CHAPTER 13 PRELIMINALY DESIGN FLOOD STUDY FOR PROPOSED DAMS

13.1 WRR-VII

13.1.1 Rainfall Analysis

(1) Annual Maximum Daily Basin Mean Rainfall

Annual maximum daily point rainfall at Mactan and Tagbilaran Synoptic Station by PAGASA is shown in Table blow.

Table D-313 Annual Maximum Daily Basin Mean Rainfall at Mactan and Tagbilaran (PAGASA)

Mactan Station (PAGASA)

No.	Year	Annual Maximum Daily Rainfall (mm/day)
1	1979	69.4
2	1980	81.9
3	1981	83.8
4	1982	141.3
5	1983	97.3
6	1984	87.8
7	1985	90.0
8	1986	74.6
9	1987	81.4
10	1988	90.9
11	1989	127.0
12	1990	276.1
13	1991	66.0
14	1992	78.8
15	1993	105.0
16	1994	174.0
17	1995	166.1
18	1996	85.2
19	1997	99.4
20	1998	47.0
21	1999	126.6
22	2000	147.2
23	2001	158.4
24	2002	78.0
25	2003	109.2
26	2004	78.2
27	2005	52.4
28	2006	100.3
29	2007	83.0
30	2008	70.6
31	2009	52.0
32	2010	82.8
33	2011	185.4
34	2012	135.0
35	2013	71.4
36	2014	118.9
37	2015	76.4
38	2016	151.9
39	2017	106.0
40	2018	85.0
41	2019	106.0
42	2020	114.2
	Maximum	276.1

Tagbilaran Station (PAGASA)

No.	Year	Annual Maximum Daily Rainfall (mm/day)
1	1979	51.8
2	1980	112.0
3	1981	57.7
4	1982	63.5
5	1983	83.0
6	1984	94.0
7	1985	120.0
8	1986	205.0
9	1987	33.0
10	1988	70.0
11	1989	38.4
12	1990	166.4
13	1991	106.6
14	1992	59.0
15	1993	51.8
16	1994	133.9
17	1995	165.7
18	1996	73.3
19	1997	54.6
20	1998	43.6
21	1999	63.0
22	2000	121.1
23	2001	213.6
24	2002	52.8
25	2003	120.2
26	2004	38.0
27	2005	87.6
28	2006	106.0
29	2007	91.2
30	2008	96.0
31	2009	77.0
32	2010	94.6
33	2011	92.2
34	2012	87.2
35	2013	61.8
	Maximum	213.6

Source: Prepared by JICA Survey Team based on Data of PAGASA

(2) Rainfall Frequency

Results of annual maximum daily rainfall analysis is shown in Figure below. For Mactan synoptic station of PAGASA, among distribution models with Standard Least Squares. Criterion (SLSC) less than 0.04, the Square Root wxponential Type Maximum distribution (SqrtEt) has the smallest Jac Jack-Knife estimation error and most fitted. Therefore, the Sqrt distribution model was selected. Provable daily point rainfall by SqrEt distribution is shown in following Table and Figure.

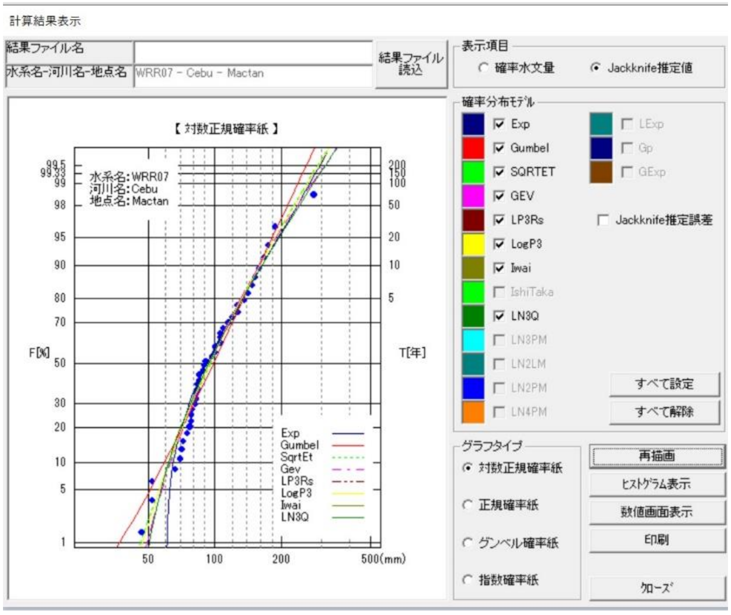
Table D-314 Probable Daily Point Rainfall at Mactan (PAGASA)

	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
X-COR(99%)	0.987	0.976	0.989	0.992	—	0.99	—	—	0.99	—	—	—	—	—	—	—
P-COR(99%)	0.96	0.988	0.993	0.994	—	0.994	—	—	0.993	—	—	—	—	—	—	—
SLSC(99%)	0.034	0.049	0.03	0.025	—	0.028	—	—	0.036	—	—	—	—	—	—	—
log-likelihood	-201.4	-209.7	-208.6	-208.6	—	-208.7	—	—	-208.9	—	—	—	—	—	—	—
pAIC	406.9	423.5	421.1	423.3	—	423.3	—	—	423.7	—	—	—	—	—	—	—
X-COR(50%)	0.981	0.978	0.984	0.987	—	0.99	—	—	0.984	—	—	—	—	—	—	—
P-COR(50%)	0.995	0.995	0.993	0.992	—	0.994	—	—	0.994	—	—	—	—	—	—	—
SLSC(50%)	0.046	0.092	0.052	0.037	—	0.038	—	—	0.036	—	—	—	—	—	—	—

JackKnife Estimated Value	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	91.4	98.3	95.4	94	—	94.8	—	—	93.3	—	—	—	—	—	—	—
	3	109.4	115.5	111.9	110.1	—	111.7	—	—	111.1	—	—	—	—	—	—	—
	5	132.2	134.7	131.6	130.1	—	132	—	—	133	—	—	—	—	—	—	—
	10	163.1	158.8	158.4	158.4	—	159.6	—	—	163.3	—	—	—	—	—	—	—
	20	193.9	181.9	186.2	189	—	188.1	—	—	194.8	—	—	—	—	—	—	—
	30	212	195.2	203.1	208.2	—	205.3	—	—	214	—	—	—	—	—	—	—
	50	234.7	211.9	225.1	233.9	—	227.6	—	—	239.1	—	—	—	—	—	—	—
	80	255.7	227.1	246.2	259.1	—	248.9	—	—	263.1	—	—	—	—	—	—	—
	100	265.6	234.3	256.5	271.5	—	259.2	—	—	274.9	—	—	—	—	—	—	—
	150	283.7	247.4	275.7	294.9	—	278.4	—	—	296.7	—	—	—	—	—	—	—
	200	296.5	256.6	289.7	312.2	—	292.2	—	—	312.6	—	—	—	—	—	—	—
	400	327.3	278.9	324.6	355.9	—	326.6	—	—	352.5	—	—	—	—	—	—	—
	500	337.3	286.1	336.2	370.6	—	338	—	—	365.8	—	—	—	—	—	—	—
	1000	368.2	308.4	373.5	417.9	—	373.8	—	—	408.7	—	—	—	—	—	—	—
	10000	470.7	382.4	510.4	585.6	—	496.7	—	—	568	—	—	—	—	—	—	—

JackKnife Estimation Error	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	5	5.8	5.3	5.6	—	5.7	—	—	5	—	—	—	—	—	—	—
	3	7.3	8.2	6.9	7.4	—	7.2	—	—	6.4	—	—	—	—	—	—	—
	5	10.8	11.2	9.3	9.9	—	9.8	—	—	10.1	—	—	—	—	—	—	—
	10	16	15.3	13	14.8	—	15.5	—	—	18	—	—	—	—	—	—	—
	20	21.3	19.2	17.2	22.4	—	23.9	—	—	28.3	—	—	—	—	—	—	—
	30	24.4	21.5	19.8	28.5	—	30.2	—	—	35.4	—	—	—	—	—	—	—
	50	28.4	24.4	23.3	38.2	—	39.6	—	—	45.4	—	—	—	—	—	—	—
	80	32	27	26.8	49.4	—	49.8	—	—	55.6	—	—	—	—	—	—	—
	100	33.7	28.3	28.5	55.6	—	55.2	—	—	60.8	—	—	—	—	—	—	—
	150	36.9	30.6	31.7	68.2	—	66	—	—	70.9	—	—	—	—	—	—	—
	200	39.1	32.2	34.1	78.5	—	74.5	—	—	78.5	—	—	—	—	—	—	—
	400	44.5	36.1	40.1	108.1	—	97.8	—	—	98.5	—	—	—	—	—	—	—
	500	46.3	37.3	42.1	119.3	—	106.3	—	—	105.4	—	—	—	—	—	—	—
	1000	51.7	41.2	48.6	159.6	—	135.8	—	—	128.6	—	—	—	—	—	—	—
	10000	69.7	54.2	73.2	374.5	—	277.2	—	—	224.6	—	—	—	—	—	—	—

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.


計算結果表示

結果ファイル名

水系名-河川名-地点名 WRR07 - Cebu - Mactan

表示項目 ○ 確率水文量 ● Jackknife推定値

確率分布モデル

☑ Exp
☑ Gumbel
☑ SQRTET
☑ GEV
☑ LP3Rs
☑ LogP3
☑ Iwai
☐ IshiTaka
☑ LN3Q
☐ LN3PM
☐ LN2LM
☐ LN2PM
☐ LN4PM
☐ LExp
☐ Gp
☐ GExp
☐ Jackknife推定誤差

グラフタイプ
● 対数正規確率紙
○ 正規確率紙
○ グンベル確率紙
○ 指数確率紙

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.

Figure D-527 Frequency Curve of Daily Point Rainfall at Mactan Station (PAGASA)

Results of annual maximum daily rainfall analysis is shown in Figure below. For Tagbilaran synoptic station of PAGASA, among distribution models with Standard Least Squares. Criterion (SLSC) less than 0.04, the Log-Pearson Type-II real Number Space Modulus (LP3Rs) distribution has the smallest Jac Jack-Knife estimation error and most fitted. Therefore, the LP3Rs distribution model was selected. Provable daily point rainfall by LP3Rs distribution is shown in following Table and Figure.

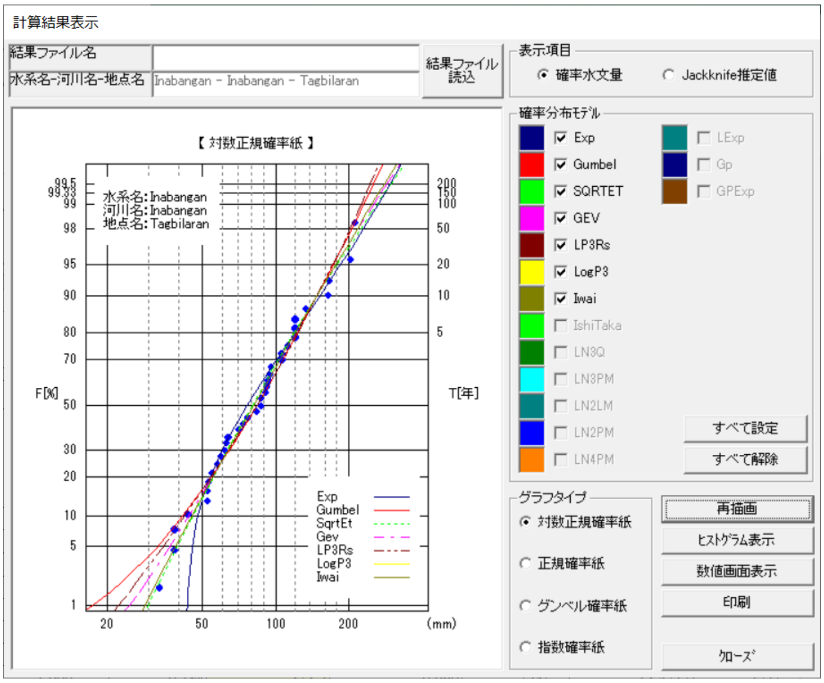
Table D-315 Probable Daily Point Rainfall at Tagbilaran (PAGASA)

	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
X-COR(99%)	0.986	0.988	0.989	0.99	0.988	—	0.991	—	—	—	—	—	—	—	—	—
P-COR(99%)	0.979	0.995	0.995	0.996	0.995	—	0.996	—	—	—	—	—	—	—	—	—
SLSC(99%)	0.034	0.032	0.025	0.026	0.031	—	0.022	—	—	—	—	—	—	—	—	—
Log-likelihood	-170.7	-177.6	-176.7	-177	-177.2	—	-176.6	—	—	—	—	—	—	—	—	—
pAIC	345.5	359.2	357.4	359.9	360.4	—	359.2	—	—	—	—	—	—	—	—	—
X-COR(50%)	0.98	0.979	0.977	0.977	0.978	—	0.978	—	—	—	—	—	—	—	—	—
P-COR(50%)	0.983	0.984	0.987	0.987	0.983	—	0.986	—	—	—	—	—	—	—	—	—
SLSC(50%)	0.05	0.059	0.047	0.047	0.059	—	0.046	—	—	—	—	—	—	—	—	—

JackKnife Estimated Value	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	76.2	83.7	79.9	81	82.3	—	73.4	—	—	—	—	—	—	—	—	—
	3	95.8	102.4	98	99.1	101.5	—	93.1	—	—	—	—	—	—	—	—	—
	5	120.5	123.2	120.1	120.6	123.3	—	120.1	—	—	—	—	—	—	—	—	—
	10	154	149.4	150.5	149.4	151	—	160.8	—	—	—	—	—	—	—	—	—
	20	187.5	174.5	182.5	179.1	177.5	—	206.6	—	—	—	—	—	—	—	—	—
	30	207.1	188.9	202.2	197	192.8	—	235.8	—	—	—	—	—	—	—	—	—
	50	231.8	207	228	220.2	211.7	—	275.3	—	—	—	—	—	—	—	—	—
	80	254.5	223.5	252.9	242.2	229.1	—	314.4	—	—	—	—	—	—	—	—	—
	100	265.3	231.3	265.1	252.9	237.2	—	333.8	—	—	—	—	—	—	—	—	—
	150	284.9	245.5	287.8	272.8	252	—	370.8	—	—	—	—	—	—	—	—	—
	200	298.8	255.6	304.5	287.1	262.5	—	398.2	—	—	—	—	—	—	—	—	—
	400	332.4	279.8	346.3	322.6	287.5	—	468.7	—	—	—	—	—	—	—	—	—
	500	343.1	287.6	360.3	334.2	295.6	—	492.8	—	—	—	—	—	—	—	—	—
	1000	376.7	311.8	405.4	371.2	320.3	—	571.8	—	—	—	—	—	—	—	—	—
	10000	488	392.1	572.5	497.9	400.7	—	884.5	—	—	—	—	—	—	—	—	—

JackKnife Estimation Error	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	6	6.7	6.5	7.1	7.5	—	7.1	—	—	—	—	—	—	—	—	—
	3	8.1	8.9	8.4	8.8	9.8	—	8.9	—	—	—	—	—	—	—	—	—
	5	11.4	11.7	11.2	11.2	12.5	—	11.3	—	—	—	—	—	—	—	—	—
	10	16.2	15.6	15.4	15.4	15.7	—	15	—	—	—	—	—	—	—	—	—
	20	21.3	19.3	20.2	21.5	18.7	—	19.5	—	—	—	—	—	—	—	—	—
	30	24.3	21.5	23.2	26.2	20.5	—	22.5	—	—	—	—	—	—	—	—	—
	50	28.2	24.3	27.2	33.6	22.8	—	26.8	—	—	—	—	—	—	—	—	—
	80	31.7	26.9	31.2	41.9	25.1	—	31.2	—	—	—	—	—	—	—	—	—
	100	33.4	28.1	33.1	46.4	26.3	—	33.5	—	—	—	—	—	—	—	—	—
	150	36.5	30.3	36.8	55.4	28.7	—	37.8	—	—	—	—	—	—	—	—	—
	200	38.6	31.9	39.6	62.6	30.5	—	41.2	—	—	—	—	—	—	—	—	—
	400	43.9	35.7	46.5	82.8	35.5	—	49.9	—	—	—	—	—	—	—	—	—
	500	45.6	36.9	48.8	90.2	37.3	—	52.9	—	—	—	—	—	—	—	—	—
	1000	50.8	40.7	56.4	116.3	43.5	—	63.1	—	—	—	—	—	—	—	—	—
	10000	68.4	53.3	85.2	242.6	71	—	105.3	—	—	—	—	—	—	—	—	—

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.



計算結果表示

結果ファイル名

水系名-河川名-地点名 Inabangan - Inabangan - Tagbilaran

表示項目
● 確率水文量 ○ Jackknife推定値

確率分布モデル
☑ Exp
☑ Gumbel
☑ SQRTET
☑ GEV
☑ LP3Rs
☑ LogP3
☑ Iwai
☐ IshiTaka
☐ LN3Q
☐ LN3PM
☐ LN2LM
☐ LN2PM
☐ LN4PM
☐ LExp
☐ Gp
☐ GPExp

グラフタイプ
● 対数正規確率紙
○ 正規確率紙
○ グンベル確率紙
○ 指数確率紙

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.

Figure D-528 Frequency Curve of Daily Point Rainfall at Tagbilaran Station (PAGASA)

(3) Probable Maximum Precipitation (PMP)

The probable maximum precipitation (PMP) for each proposed dam site were calculated by using the Hershfield's method (statistical method) as shown in Table below.

Table D-316 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Mananga-II Dam Site by Using Annual Maximum Daily Rainfall at Mactan Station

Station: Mactan, Cebu for Mananga-II Proposed Dam Site CA (km^2) = 68.0

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		69.4
2	1980		81.9
3	1981		83.8
4	1982		141.3
5	1983		97.3
6	1984		87.8
7	1985		90.0
8	1986		74.6
9	1987		81.4
10	1988		90.9
11	1989		127.0
12	1990	M	276.1
13	1991		66.0
14	1992		78.8
15	1993		105.0
16	1994		174.0
17	1995		166.1
18	1996		85.2
19	1997		99.4
20	1998		47.0
21	1999		126.6
22	2000		147.2
23	2001		158.4
24	2002		78.0
25	2003		109.2
26	2004		78.2
27	2005		52.4
28	2006		100.3
29	2007		83.0
30	2008		70.6
31	2009		52.0
32	2010		82.8
33	2011		185.4
34	2012		135.0
35	2013		71.4
36	2014		118.9
37	2015		76.4
38	2016		151.9
39	2017		106.0
40	2018		85.0
41	2019		106.0
42	2020		114.2

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	276.1
X_n	Mean Annual Maximum Rainfall	(mm)	105.0
X_{n-m}	Mean (excluding maximum)	(mm)	100.9
S_n	Standard Deviation	(mm)	43.2
S_{n-m}	Standard Dev.(w/o.max)	(mm)	34.1
X_{n-m} / X_n			0.96
S_{n-m} / S_n			0.79
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	98%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**103.2**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	88%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**38.9**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		15
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**687**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**776**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	68
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**79.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**613**
	(rounded PMP)	(mm)	**620**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

Table D-317 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Kotkot Dam Site by Using Annual Maximum Daily Rainfall at Mactan Station

Station: Mactan, Cebu for Kotkot Dam Site CA (km^2) = 19.0

No.	Year	Annual Maximum Precipitation (mm)	
			Duration (hour) 24 hr (1 day)
1	1979		69.4
2	1980		81.9
3	1981		83.8
4	1982		141.3
5	1983		97.3
6	1984		87.8
7	1985		90.0
8	1986		74.6
9	1987		81.4
10	1988		90.9
11	1989		127.0
12	1990	M	276.1
13	1991		66.0
14	1992		78.8
15	1993		105.0
16	1994		174.0
17	1995		166.1
18	1996		85.2
19	1997		99.4
20	1998		47.0
21	1999		126.6
22	2000		147.2
23	2001		158.4
24	2002		78.0
25	2003		109.2
26	2004		78.2
27	2005		52.4
28	2006		100.3
29	2007		83.0
30	2008		70.6
31	2009		52.0
32	2010		82.8
33	2011		185.4
34	2012		135.0
35	2013		71.4
36	2014		118.9
37	2015		76.4
38	2016		151.9
39	2017		106.0
40	2018		85.0
41	2019		106.0
42	2020		114.2

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	276.1
X_n	Mean Annual Maximum Rainfall	(mm)	105.0
X_{n-m}	Mean (excluding maximum)	(mm)	100.9
S_n	Standard Deviation	(mm)	43.2
S_{n-m}	Standard Dev.(w/o.max)	(mm)	34.1
X_{n-m} / X_n			0.96
S_{n-m} / S_n			0.79
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	98%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**103.2**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	88%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**38.9**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		15
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**687**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**776**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	19
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**84.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**652**
	(rounded PMP)	(mm)	**660**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

Table D-318 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Languyon Dam Site by Using Annual Maximum Daily Rainfall at Mactan Station

Station: Mactan, Cebu for Languyon Dam Site CA (km^2) = 52.5

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		69.4
2	1980		81.9
3	1981		83.8
4	1982		141.3
5	1983		97.3
6	1984		87.8
7	1985		90.0
8	1986		74.6
9	1987		81.4
10	1988		90.9
11	1989		127.0
12	1990	M	276.1
13	1991		66.0
14	1992		78.8
15	1993		105.0
16	1994		174.0
17	1995		166.1
18	1996		85.2
19	1997		99.4
20	1998		47.0
21	1999		126.6
22	2000		147.2
23	2001		158.4
24	2002		78.0
25	2003		109.2
26	2004		78.2
27	2005		52.4
28	2006		100.3
29	2007		83.0
30	2008		70.6
31	2009		52.0
32	2010		82.8
33	2011		185.4
34	2012		135.0
35	2013		71.4
36	2014		118.9
37	2015		76.4
38	2016		151.9
39	2017		106.0
40	2018		85.0
41	2019		106.0
42	2020		114.2

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	276.1
X_n	Mean Annual Maximum Rainfall	(mm)	105.0
X_{n-m}	Mean (excluding maximum)	(mm)	100.9
S_n	Standard Deviation	(mm)	43.2
S_{n-m}	Standard Dev.(w/o.max)	(mm)	34.1
X_{n-m} / X_n			0.96
S_{n-m} / S_n			0.79
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	98%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**103.2**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	88%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**38.9**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		15
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**687**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**776**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	53
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**80.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**621**
	(rounded PMP)	(mm)	**630**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

Table D-319 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Inabanga Dam Site by Using Annual Maximum Daily Rainfall at Tagbilaran Station

Station: Tagbilaran for Inabanga Dam Site CA (km^2) = 543.8

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		51.8
2	1980		112.0
3	1981		57.7
4	1982		63.5
5	1983		83.0
6	1984		94.0
7	1985		120.0
8	1986		205.0
9	1987		33.0
10	1988		70.0
11	1989		38.4
12	1990		166.4
13	1991		106.6
14	1992		59.0
15	1993		51.8
16	1994		133.9
17	1995		165.7
18	1996		73.3
19	1997		54.6
20	1998		43.6
21	1999		63.0
22	2000		121.1
23	2001	M	213.6
24	2002		52.8
25	2003		120.2
26	2004		38.0
27	2005		87.6
28	2006		106.0
29	2007		91.2
30	2008		96.0
31	2009		77.0
32	2010		94.6
33	2011		92.2
34	2012		87.2
35	2013		61.8

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	35
m	Maximum	(mm)	213.6
X_n	Mean Annual Maximum Rainfall	(mm)	91.0
X_{n-m}	Mean (excluding maximum)	(mm)	87.4
S_n	Standard Deviation	(mm)	44.5
S_{n-m}	Standard Dev.(w/o.max)	(mm)	39.6
X_{n-m} / X_n			0.96
S_{n-m} / S_n			0.89
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	98%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	101%
ADX_n	Adjusted X_n ($ADX_n = Xn * F_{x1} * F_{x2}$)	(mm)	**89.6**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	100%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n ($ADS_n = Sn * F_{s1} * Fs_2$)		**45.6**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		16
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: ($X_{m(ua)} = ADX_n + K_m * ADS_n$)	(mm)	**819**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: ($X_{m(t)} = X_{m(ua)} * F_o$)	(mm)	**925**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	544
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**69.0%**
PMP	**PMP for study area** ($PMP = X_{m(t)} * F_{CA}$)	(mm)	**638**
	(rounded PMP)	(mm)	**640**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

(4) Base Flow

For estimation of flood peak discharge at the proposed dam sites, the base flow discharge at Mananga-II, Kotkot, Languyon and Inabanga dam sites in rainy season was assumed at 3.0 m^3/s considering the average discharge in rainy season at each dam site.

13.1.2 Flood Peak Discharge by Rational Formula

The peak flood discharges estimated by the Rational Formula is used for reference. The formulas are shown below.

Rational Formula

[Rational Formula] $Q_p = \frac{1}{3.6} \times f \times r_t \times A$ [m^3/s]

where, f : runoff coefficient
r_t : rainfall intensity of time duration [mm/hour]
A : catchment area [km^2]

Rainfall Intensity

[*Ito*'s Formula] $r_t = \frac{R_{24}}{100} \times \left(\frac{34,710}{t^{1.35}} + 1,520 \right)$ [mm/hour]

[*Kawakami*'s Formula] $r_t = \frac{R_{24}}{24} \times \left(\frac{30}{t/60 + 6} \right)$ [mm/hour]

where, r_t : rainfall intensity of time duration [mm/hour]
R_{24} : daily rainfall [mm/day]
t : time of concentration [hour]

Time of Concentration

$$t = \frac{W}{L} \quad [m^3/s]$$

[*Kraven*'s Formula]

I	>1/100	1/100 - 1/200	<1/200
W	3.5 m/s	3.0 m/s	2.1 m/s

where, t : time of concentration [hour]
W : flood velocity [m/sec]
L : length of river [m]
I : slope of basin ($I=H/L$)
H : height difference of basin [m]

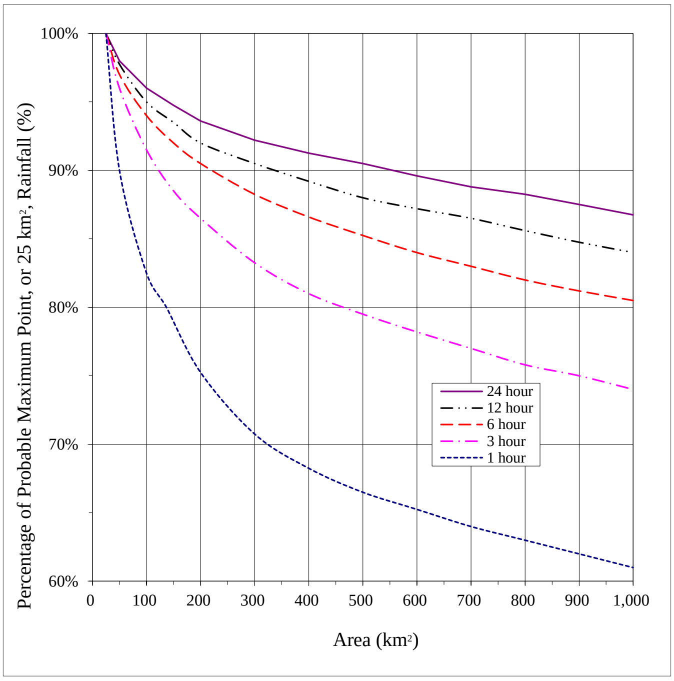
Runoff coefficient of 0.80 was applied with considering of catchment area topography as shown in Table below.

Table D-320 Runoff Coefficient

Topography.	Coefficient *F*
Steep Mountains	0.75～0.90
Tertiary Mountains or Hills	0.70～0.80
Gently Undulating Lands And Forest	0.50～0.75
Flat Cultivated Fields	0.45～0.60
Mountainous River	0.75～0.85
Small River In Flat Land	0.45～0.75
Large River In Flat Land	0.50～0.75

Source: Technical Standards for River and Sabo (draft), Ministry of Construction, River Bureau, Japan, 1997.

An areal reduction factor (ARF) to estimate the basin mean rainfall from point rainfall is used WMO-No.1045 (2009) method as shown Figure below.



Source: WMO-No.1045 (2009)

Figure D-529 Areal Reduction Factor (ARF) by WMO-No.1045 (2009)

Estimated flood peak discharge by rational formula at each proposed dam site basin are shown Table below.

Table D-321 Estimated Flood Peak Discharge by Rational Formula at Mananga-II Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor [1] of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	95.4	0.973	93	14.2286	259	0.018	1/55	3.50	1.1	16.3
5	20.0%	131.6	0.973	128	14.2286	259	0.018	1/55	3.50	1.1	22.4
10	10.0%	158.4	0.973	154	14.2286	259	0.018	1/55	3.50	1.1	27.0
20	5.0%	186.2	0.973	181	14.2286	259	0.018	1/55	3.50	1.1	31.7
50	2.0%	225.1	0.973	219	14.2286	259	0.018	1/55	3.50	1.1	38.4
100	1.0%	256.5	0.973	250	14.2286	259	0.018	1/55	3.50	1.1	43.8
200	0.5%	289.7	0.973	282	14.2286	259	0.018	1/55	3.50	1.1	49.4
1,000	0.1%	373.5	0.973	363	14.2286	259	0.018	1/55	3.50	1.1	63.6
10,000	0.0%	510.4	0.973	497	14.2286	259	0.018	1/55	3.50	1.1	87.1
PMF	-	620.0	0.973	603	14.2286	259	0.018	1/55	3.50	1.1	105.7

Catchment Area A (km^2)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f [1]	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)	Baseflow (Rainy Season) Q_p (m^3/s)	Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)
68.0	2	50.0%	0.80	272	758	449	246	3.0	2	50.0%	275	761	452	249
68.0	5	20.0%	0.80	373	1,044	618	338	3.0	5	20.0%	376	1,047	621	341
68.0	10	10.0%	0.80	449	1,256	743	408	3.0	10	10.0%	452	1,259	746	411
68.0	20	5.0%	0.80	527	1,476	875	479	3.0	20	5.0%	530	1,479	878	482
68.0	50	2.0%	0.80	639	1,786	91	580	3.0	50	2.0%	642	1,789	94	583
68.0	100	1.0%	0.80	730	2,040	1,207	662	3.0	100	1.0%	733	2,043	1,210	665
68.0	200	0.5%	0.80	822	2,300	1,363	746	3.0	200	0.5%	825	2,303	1,366	749
68.0	1000	0.1%	0.80	1,059	2,961	1,753	961	3.0	1000	0.1%	1,062	2,964	1,756	964
68.0	10000	0.0%	0.80	1,449	4,054	2,401	1,316	3.0	10000	0.0%	1,452	4,057	2,404	1,319
68.0	PMF	-	0.80	1,759	4,918	2,913	1,597	3.0	PMF	-	1,762	4,921	2,916	1,600

*1: Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

Table D-322 Estimated Flood Peak Discharge by Rational Formula at Kotkot Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor [1] of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	95.4	1.017	97	5.11955	137	0.027	1/37	3.50	0.4	18.9
5	20.0%	131.6	1.017	134	5.11955	137	0.027	1/37	3.50	0.4	26.1
10	10.0%	158.4	1.017	161	5.11955	137	0.027	1/37	3.50	0.4	31.4
20	5.0%	186.2	1.017	189	5.11955	137	0.027	1/37	3.50	0.4	36.9
50	2.0%	225.1	1.017	229	5.11955	137	0.027	1/37	3.50	0.4	44.7
100	1.0%	256.5	1.017	261	5.11955	137	0.027	1/37	3.50	0.4	50.9
200	0.5%	289.7	1.017	295	5.11955	137	0.027	1/37	3.50	0.4	57.6
1,000	0.1%	373.5	1.017	380	5.11955	137	0.027	1/37	3.50	0.4	74.1
10,000	0.0%	510.4	1.017	519	5.11955	137	0.027	1/37	3.50	0.4	101.3
PMF	-	660.0	1.017	671	5.11955	137	0.027	1/37	3.50	0.4	130.9

Catchment Area A (km^2)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f [1]	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)	Baseflow (Rainy Season) Q_p (m^3/s)	Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)
19.0	2	50.0%	0.80	91	330	259	80	3.0	2	50.0%	94	333	262	83
19.0	5	20.0%	0.80	125	456	358	110	3.0	5	20.0%	128	459	361	113
19.0	10	10.0%	0.80	150	548	430	133	3.0	10	10.0%	153	551	433	136
19.0	20	5.0%	0.80	176	644	505	156	3.0	20	5.0%	179	647	508	159
19.0	50	2.0%	0.80	213	780	25	189	3.0	50	2.0%	216	783	28	192
19.0	100	1.0%	0.80	243	889	698	215	3.0	100	1.0%	246	892	701	218
19.0	200	0.5%	0.80	275	1,004	789	244	3.0	200	0.5%	278	1,007	792	247
19.0	1000	0.1%	0.80	354	1,294	1,016	314	3.0	1000	0.1%	357	1,297	1,019	317
19.0	10000	0.0%	0.80	484	1,767	1,388	429	3.0	10000	0.0%	487	1,770	1,391	432
19.0	PMF	-	0.80	625	2,285	1,794	554	3.0	PMF	-	628	2,288	1,797	557

*1: Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

Table D-323 Estimated Flood Peak Discharge by Rational Formula at Languyon Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor ^{*1} of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	95.4	0.982	94	13.4212	171	0.013	1/78	3.50	1.1	16.6
5	20.0%	131.6	0.982	129	13.4212	171	0.013	1/78	3.50	1.1	22.8
10	10.0%	158.4	0.982	156	13.4212	171	0.013	1/78	3.50	1.1	27.6
20	5.0%	186.2	0.982	183	13.4212	171	0.013	1/78	3.50	1.1	32.4
50	2.0%	225.1	0.982	221	13.4212	171	0.013	1/78	3.50	1.1	39.1
100	1.0%	256.5	0.982	252	13.4212	171	0.013	1/78	3.50	1.1	44.6
200	0.5%	289.7	0.982	284	13.4212	171	0.013	1/78	3.50	1.1	50.2
1,000	0.1%	373.5	0.982	367	13.4212	171	0.013	1/78	3.50	1.1	64.9
10,000	0.0%	510.4	0.982	501	13.4212	171	0.013	1/78	3.50	1.1	88.6
PMF	-	630.0	0.982	619	13.4212	171	0.013	1/78	3.50	1.1	109.5

Catchment Area A (km^2)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f^{*1}	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)	Baseflow (Rainy Season) Q_p (m^3/s)	Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)
52.5	2	50.0%	0.80	215	613	364	194	3.0	2	50.0%	218	616	367	197
52.5	5	20.0%	0.80	294	840	501	266	3.0	5	20.0%	297	843	504	269
52.5	10	10.0%	0.80	356	1,017	606	322	3.0	10	10.0%	359	1,020	609	325
52.5	20	5.0%	0.80	418	1,193	710	378	3.0	20	5.0%	421	1,196	713	381
52.5	50	2.0%	0.80	504	1,440	70	456	3.0	50	2.0%	507	1,443	73	459
52.5	100	1.0%	0.80	575	1,642	978	521	3.0	100	1.0%	578	1,645	981	524
52.5	200	0.5%	0.80	648	1,851	1,102	586	3.0	200	0.5%	651	1,854	1,105	589
52.5	1000	0.1%	0.80	837	2,393	1,424	758	3.0	1000	0.1%	840	2,396	1,427	761
52.5	10000	0.0%	0.80	1,143	3,266	1,944	1,034	3.0	10000	0.0%	1,146	3,269	1,947	1,037
52.5	PMF	-	0.80	1,412	4,035	2,401	1,278	3.0	PMF	-	1,415	4,038	2,404	1,281

*1: Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

Table D-324 Estimated Flood Peak Discharge by Rational Formula at Inabanga Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor ^{*1} of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	82.3	0.900	74	55.259	500	0.009	1/111	3.00	5.1	8.3
5	20.0%	123.3	0.900	111	55.259	500	0.009	1/111	3.00	5.1	12.5
10	10.0%	151.0	0.900	136	55.259	500	0.009	1/111	3.00	5.1	15.3
20	5.0%	177.5	0.900	160	55.259	500	0.009	1/111	3.00	5.1	18.0
50	2.0%	211.7	0.900	191	55.259	500	0.009	1/111	3.00	5.1	21.5
100	1.0%	237.2	0.900	213	55.259	500	0.009	1/111	3.00	5.1	24.0
200	0.5%	262.5	0.900	236	55.259	500	0.009	1/111	3.00	5.1	26.5
1,000	0.1%	320.3	0.900	288	55.259	500	0.009	1/111	3.00	5.1	32.4
10,000	0.0%	400.7	0.900	361	55.259	500	0.009	1/111	3.00	5.1	40.6
PMF	-	640.0	0.900	576	55.259	500	0.009	1/111	3.00	5.1	64.8

Catchment Area A (km^2)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f^{*1}	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)	Baseflow (Rainy Season) Q_p (m^3/s)	Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)
543.8	2	50.0%	0.80	822	1,221	1,039	1,003	3.0	2	50.0%	825	1,224	1,042	1,006
543.8	5	20.0%	0.80	1,233	1,837	1,571	1,511	3.0	5	20.0%	1,236	1,840	1,574	1,514
543.8	10	10.0%	0.80	1,511	2,248	1,921	1,849	3.0	10	10.0%	1,514	2,251	1,924	1,852
543.8	20	5.0%	0.80	1,776	2,646	2,260	2,175	3.0	20	5.0%	1,779	2,649	2,263	2,178
543.8	50	2.0%	0.80	2,115	3,166	725	2,598	3.0	50	2.0%	2,118	3,169	728	2,601
543.8	100	1.0%	0.80	2,369	3,529	3,009	2,900	3.0	100	1.0%	2,372	3,532	3,012	2,903
543.8	200	0.5%	0.80	2,622	3,903	3,335	3,202	3.0	200	0.5%	2,625	3,906	3,338	3,205
543.8	1000	0.1%	0.80	3,190	4,761	4,060	3,915	3.0	1000	0.1%	3,193	4,764	4,063	3,918
543.8	10000	0.0%	0.80	4,000	5,970	5,088	4,906	3.0	10000	0.0%	4,003	5,973	5,091	4,909
543.8	PMF	-	0.80	6,393	9,535	8,133	7,831	3.0	PMF	-	6,396	9,538	8,136	7,834

*1: Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

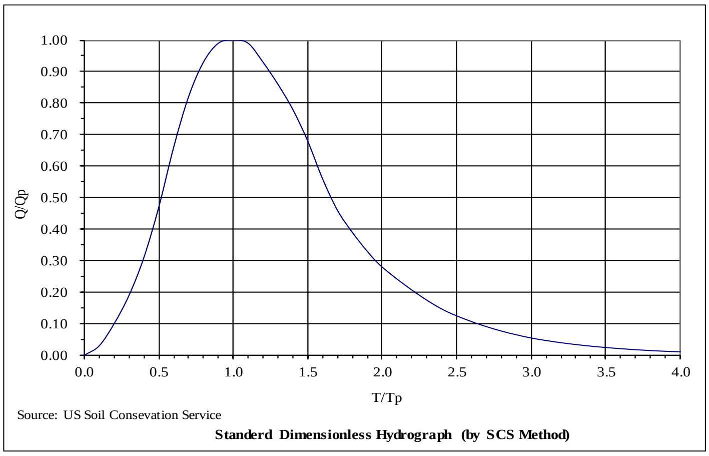
$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

13.1.3 Flood Peak Discharge by SCS Unit Hydrograph Method

(1) General

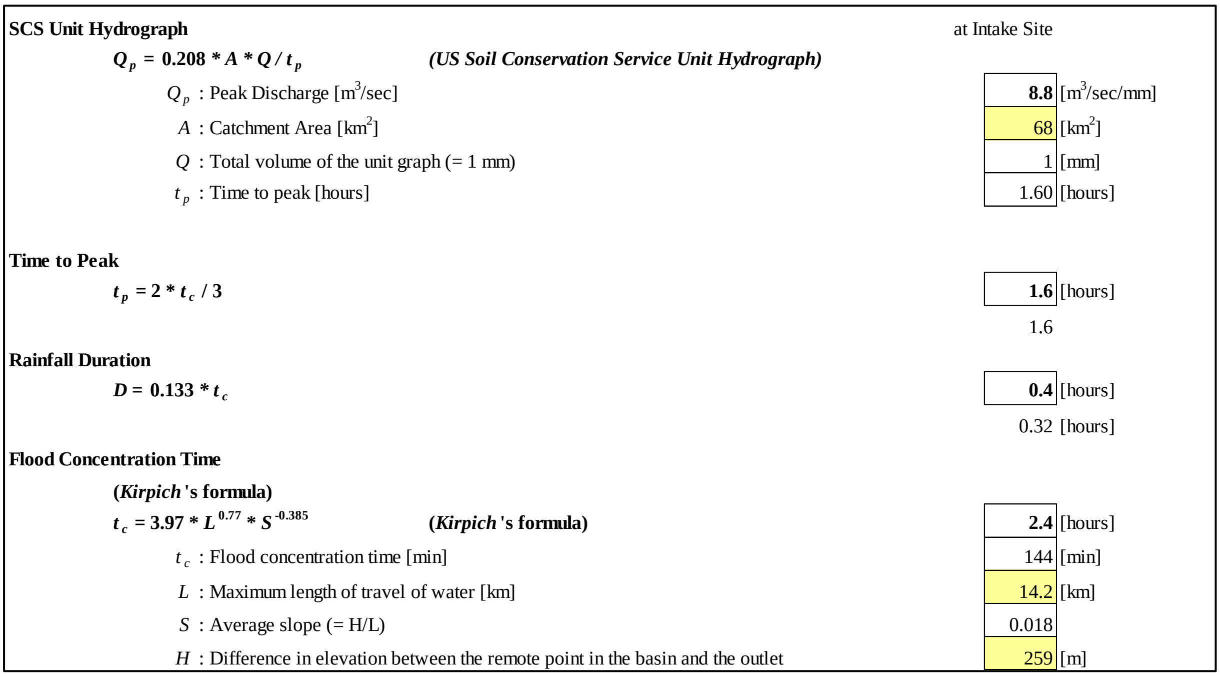
A flood hydrograph is required for the planning of the intake weir. The unit hydrograph method established by the Natural Resources Conservation Service (NRCS), formerly known as the U.S. Soil Conservation Service (SCS) of the United States Department of Agriculture (USDA), which has been employed for various water resource development projects to date, was applied to estimate the flood hydrograph simply from the probable rainfalls. The standard dimensionless unit hydrograph given by the SCS synthetic method is shown in Figure below.



Source: Natural Resources Conservation Service (NRCS) of USDA

Figure D-530 Standard Dimensionless Hydrograph by SCS

The calculation procedures to determine the SCS unit hydrograph are described below.



SCS Unit Hydrograph	at Intake Site	
Q_p = 0.208 * A * Q / t_p ***(US Soil Conservation Service Unit Hydrograph)***		
Q_p : Peak Discharge [m^3/sec]	**8.8**	[m^3/sec/mm]
A : Catchment Area [km^2]	68	[km^2]
Q : Total volume of the unit graph (= 1 mm)	1	[mm]
t_p : Time to peak [hours]	1.60	[hours]
Time to Peak		
t_p = 2 * t_c / 3	**1.6**	[hours]
	1.6	
Rainfall Duration		
D = 0.133 * t_c	**0.4**	[hours]
	0.32	[hours]
Flood Concentration Time		
(*Kirpich*'s formula)		
t_c = 3.97 * $L^{0.77}$ * $S^{-0.385}$ **(*Kirpich*'s formula)**	**2.4**	[hours]
t_c : Flood concentration time [min]	144	[min]
L : Maximum length of travel of water [km]	14.2	[km]
S : Average slope (= H/L)	0.018	
H : Difference in elevation between the remote point in the basin and the outlet	259	[m]

(2) SCS Unit Hydrograph

The SCS unit hydrograph is derived based on the flood concentration time and mean rainfall in the unit basin. The unit hydrograph is constructed for a unit rainfall of 1.0 mm. The peak discharge of the unit hydrograph is calculated as follows.

$$Q_p = 0.208 \times A \times \frac{Q}{t_p}$$

where, Q_p : Peak Discharge [m^3/sec]

A : Catchment Area [km^2]

Q : Total volume of the unit graph (= 1 mm)

t_p : Time to peak [hours]

The relationship of the time to peak (*tp*), and rainfall duration (*D*) with the time to concentration (*tc*) is given below.

$$t_p = 2 \times \left(\frac{t_c}{3} \right)$$

$$D = 0.133 \times t_c$$

(3) Flood Concentration Time

Flood concentration time is defined as the traveling time from the most remote point in the catchment to the forecast point, is given by the following formula. For example, the estimated flood concentration time of the proposed Mananga-II dam site is 2.4 hours (144 minutes).

$$t_c = 3.97 \times L^{0.77} \times S^{-0.385} \quad \textit{(Kirpich's formula)}$$

where, tc : Flood concentration time [min]

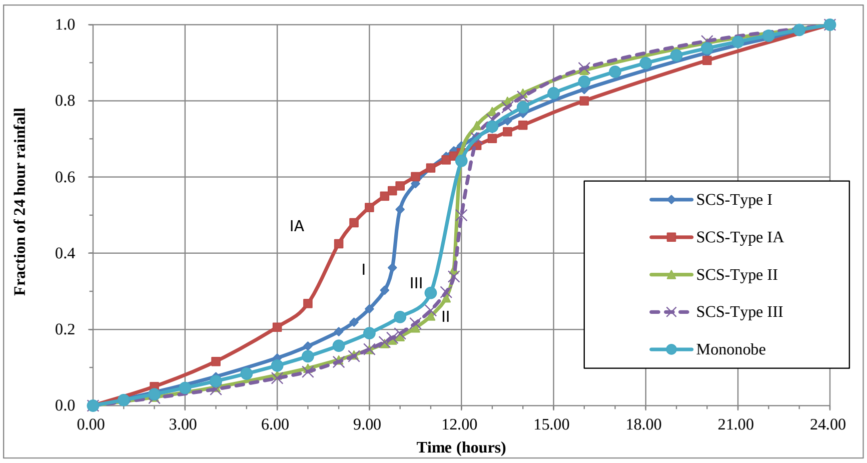
L : Maximum length of travel of water [km]

S : Average slope (= H/L)

H : Difference in elevation between the remote point in the basin and the outlet

(4) Design Hyetograph

As there are no hourly rainfall data available in the project site, the design hourly rainfall pattern hyetograph was applied following SCS Type-II due to be the most sensitive and safe hyetograph. A type of rainfall intensity pattern namely, central concentration pattern in 24 hours were assumed for the hyetograph.



Source: Natural Resources Conservation Service (NRCS) of USDA

Figure D-531 Rainfall Distribution of 24hr Rainfall by SCS Type I-III and Mononobe's Formula

(5) Base Flow

In order to estimate the direct flood runoff, the base flow should be separated from the hydrograph. The base flow was assumed at 3.0 m^3/s for each proposed dam site in rainy season due to average discharge in rainy season.

(6) Direct Runoff Coefficient

In order to estimate the flood hydrograph by mean of unit-graph, it is required to compute the excess rainfall by separating effective rainfall from storm rainfall, which generally includes losses from interception, depression, soil moisture change, evaporation and transpiration. Runoff coefficient of 0.80 was applied with considering of catchment area topography.

(7) Areal Reduction Factor (ARF)

In this review study, since the probable rainfall is calculated using the basin mean rainfall in the basin, the Areal Reduction Factor (ARF) applied to the point rainfall is not used.

(8) Design Flood Hydrographs

The design flood hydrographs were obtained using the SCS unit hydrograph, as shown in Figures below. The peak discharge for each flood is presented in following Table.

Table D-325 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Mananga-II Dam Site

Maximum length of travel of water [km]= **14.2**
Difference in elevation between the remote point in the basin and the outlet [m]= **259**
C.A.[km^2] = **68.0**

PMF at Mananga-II Proposed Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**620**	**97.3%**	**603**	**0.80**	**3.0**	**2,058**	**3,026.1**

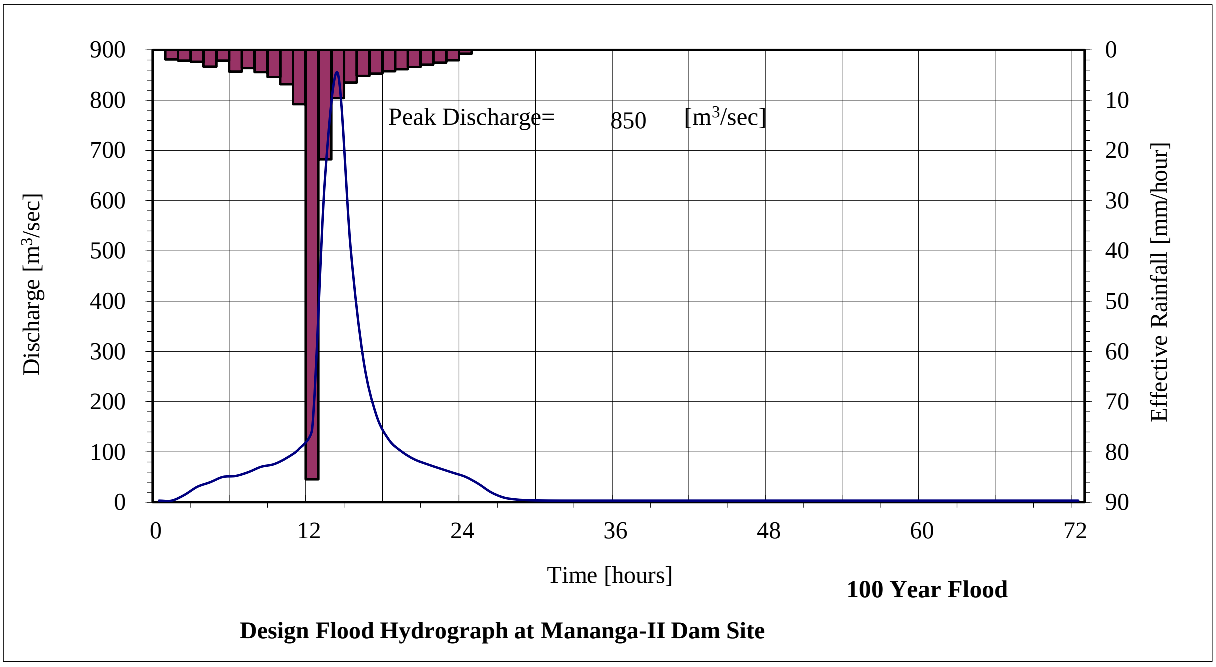
ARF by WMO-No.1045 (2009)

Design Flood at Mananga-II Proposed Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	95.4	97.3%	**92.8**	0.800	3.0	**319**	469
24 hr	5	131.6	97.3%	**128.0**	0.800	3.0	**439**	646
24 hr	10	158.4	97.3%	**154.1**	0.800	3.0	**528**	777
24 hr	20	186.2	97.3%	**181.2**	0.800	3.0	**620**	912
24 hr	50	225.1	97.3%	**219.0**	0.800	3.0	**749**	1,102
24 hr	100	256.5	97.3%	**249.6**	0.800	3.0	**850**	1,250
24 hr	200	289.7	97.3%	**281.9**	0.800	3.0	**960**	1,412
24 hr	1000	373.5	97.3%	**363.4**	0.800	3.0	**1,240**	1,824
24 hr	10000	510.4	97.3%	**496.6**	0.800	3.0	**1,700**	2,500

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-532 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Mananga-II Dam Site (1/100-years Return Period)

Table D-326 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Kotkot Dam Site

Maximum length of travel of water [km]=	**5.1**
Difference in elevation between the remote point in the basin and the outlet [m]=	**137**
C.A.[km^2] =	**19.0**

PMF at Kotkot Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**660**	**101.7%**	**671**	**0.80**	**3.0**	**758**	**3,977.5**

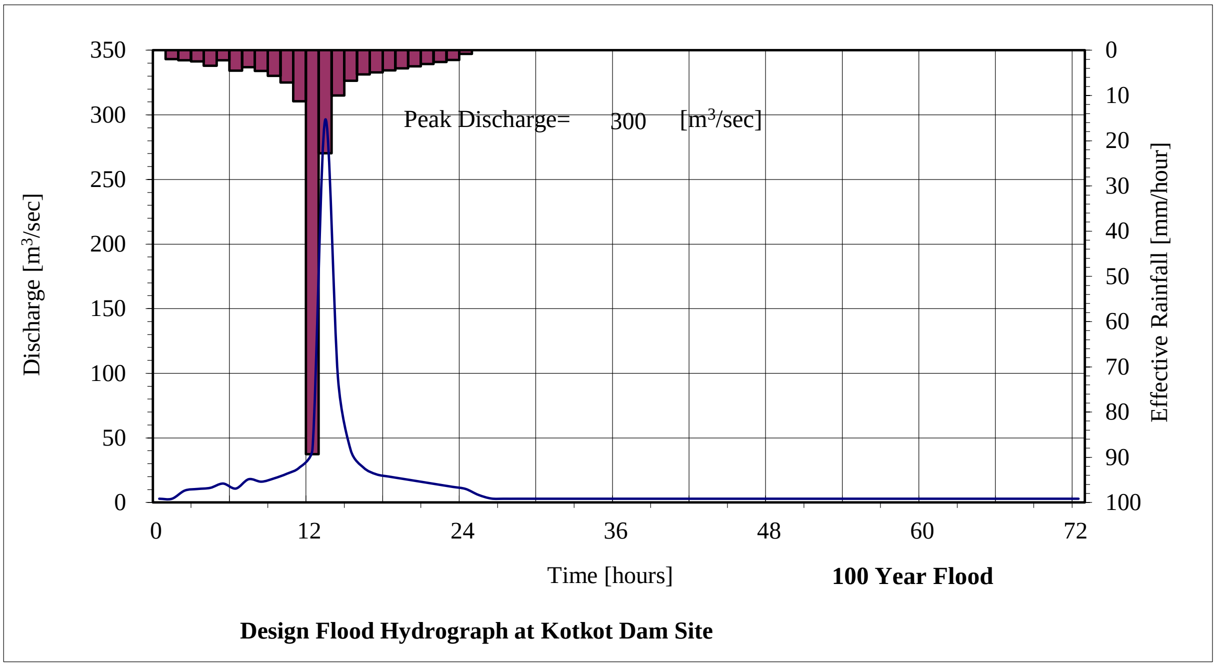
ARF by WMO-No.1045 (2009)

Design Flood at Kotkot Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	95.4	101.7%	**97.0**	0.800	3.0	**112**	588
24 hr	5	131.6	101.7%	**133.8**	0.800	3.0	**153**	806
24 hr	10	158.4	101.7%	**161.1**	0.800	3.0	**184**	967
24 hr	20	186.2	101.7%	**189.4**	0.800	3.0	**216**	1,134
24 hr	50	225.1	101.7%	**228.9**	0.800	3.0	**260**	1,367
24 hr	100	256.5	101.7%	**260.9**	0.800	3.0	**300**	1,576
24 hr	200	289.7	101.7%	**294.6**	0.800	3.0	**330**	1,733
24 hr	1000	373.5	101.7%	**379.8**	0.800	3.0	**430**	2,258
24 hr	10000	510.4	101.7%	**519.1**	0.800	3.0	**590**	3,099

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-533 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Kotkot Dam Site (1/100-years Return Period)

Table D-327 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Languyon Dam Site

Maximum length of travel of water [km]= **13.4**
Difference in elevation between the remote point in the basin and the outlet [m]= **171**
C.A.[km^2] = **52.5**

PMF at Languyon Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**630**	**98.2%**	**619**	**0.80**	**3.0**	**1,600**	**3,045.7**

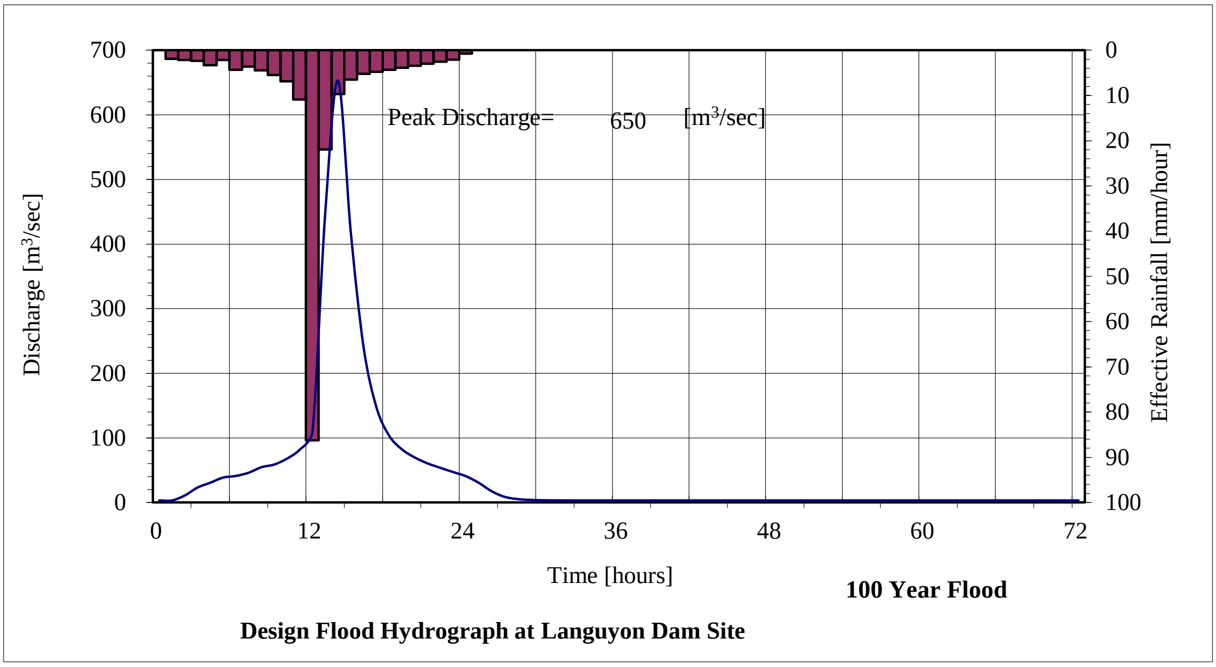
ARF by WMO-No.1045 (2009)

Design Flood at Languyon Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	95.4	98.2%	**93.7**	0.800	3.0	**245**	466
24 hr	5	131.6	98.2%	**129.2**	0.800	3.0	**336**	640
24 hr	10	158.4	98.2%	**155.5**	0.800	3.0	**404**	769
24 hr	20	186.2	98.2%	**182.8**	0.800	3.0	**475**	903
24 hr	50	225.1	98.2%	**221.0**	0.800	3.0	**573**	1,091
24 hr	100	256.5	98.2%	**251.9**	0.800	3.0	**650**	1,237
24 hr	200	289.7	98.2%	**284.5**	0.800	3.0	**740**	1,409
24 hr	1000	373.5	98.2%	**366.8**	0.800	3.0	**950**	1,808
24 hr	10000	510.4	98.2%	**501.2**	0.800	3.0	**1,300**	2,475

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-534 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Languyon Dam Site (1/100-years Return Period)

Table D-328 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Inabanga Dam Site

Maximum length of travel of water [km]= **55.3**
Difference in elevation between the remote point in the basin and the outlet [m]= **500**
C.A.[km^2] = **543.8**

PMF at Inabanga Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**640**	**90.0%**	**576**	**0.80**	**3.0**	**6,364**	**1,170.3**

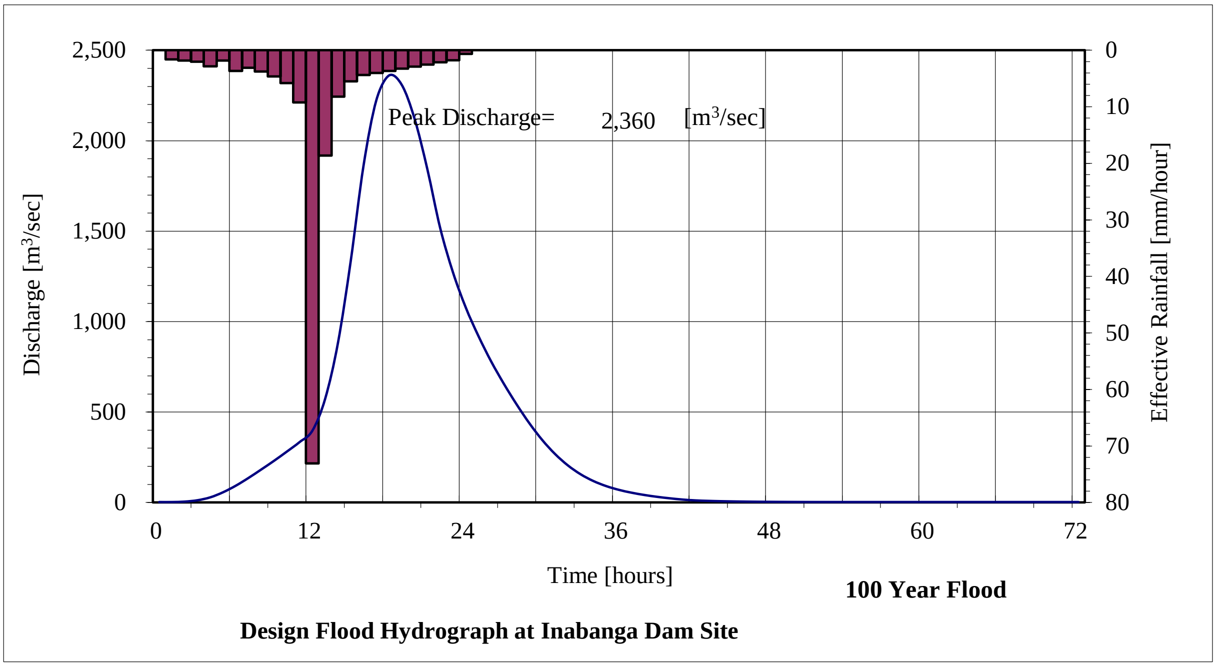
ARF by WMO-No.1045 (2009)

Design Flood at Inabanga Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	82.3	90.0%	**74.1**	0.800	3.0	**821**	151
24 hr	5	123.3	90.0%	**111.0**	0.800	3.0	**1,229**	226
24 hr	10	151.0	90.0%	**135.9**	0.800	3.0	**1,504**	277
24 hr	20	177.5	90.0%	**159.8**	0.800	3.0	**1,768**	325
24 hr	50	211.7	90.0%	**190.5**	0.800	3.0	**2,107**	387
24 hr	100	237.2	90.0%	**213.5**	0.800	3.0	**2,360**	434
24 hr	200	262.5	90.0%	**236.3**	0.800	3.0	**2,610**	480
24 hr	1000	320.3	90.0%	**288.3**	0.800	3.0	**3,190**	587
24 hr	10000	400.7	90.0%	**360.6**	0.800	3.0	**3,990**	734

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-535 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Inabanga Dam Site (1/100-years Return Period)

13.2 WRR-XI

13.2.1 Rainfall Analysis

(1) Annual Maximum Daily Basin Mean Rainfall

Annual maximum daily point rainfall at Davao Synoptic Station by PAGASA is shown in Table blow.

Table D-329 Annual Maximum Daily Basin Mean Rainfall at Davao (PAGASA)

Davao Station (PAGASA)

No.	Year	Annual Maximum Daily Rainfall (mm/day)
1	1979	83.6
2	1980	130.1
3	1981	90.0
4	1982	129.4
5	1983	86.0
6	1984	83.9
7	1985	149.6
8	1986	87.7
9	1987	85.9
10	1988	132.2
11	1989	96.9
12	1990	120.0
13	1991	74.2
14	1992	51.8
15	1993	193.0
16	1994	104.4
17	1995	68.8
18	1996	79.2
19	1997	122.6
20	1998	84.0
21	1999	106.7
22	2000	122.4
23	2001	65.6
24	2002	114.4
25	2003	109.4
26	2004	83.8
27	2005	86.8
28	2006	118.4
29	2007	86.8
30	2008	176.4
31	2009	61.2
32	2010	113.0
33	2011	137.0
34	2012	72.8
35	2013	153.7
36	2014	80.8
37	2015	113.2
38	2016	66.4
39	2017	132.2
40	2018	110.0
41	2019	102.0
42	2020	92.6
	Maximum	193.0

Source: Prepared by JICA Survey Team based on Data of PAGASA

(2) Rainfall Frequency

Results of annual maximum daily rainfall analysis is shown in Figure below. For Davao synoptic station of PAGASA, among distribution models with Standard Least Squares. Criterion (SLSC) less than 0.04, the Gumbel distribution has the smallest Jac Jack-Knife estimation error at 1/100-year return period and most fitted. Therefore, the Sqrt distribution model was selected. Provable daily point rainfall by Gumbel distribution is shown in following Table and Figure.

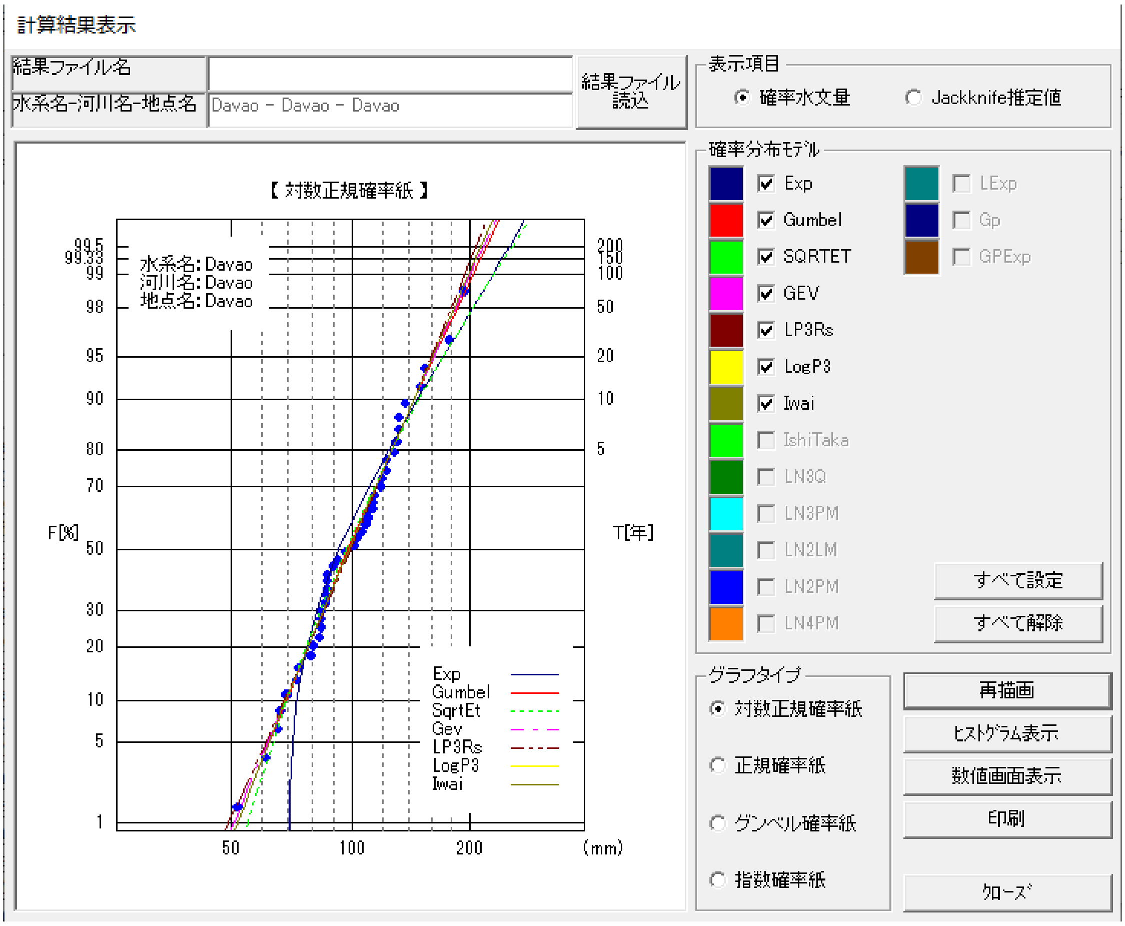
Table D-330 Probable Daily Point Rainfall at Davao (PAGASA)

	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
X-COR(99%)	0.975	0.995	0.99	0.995	0.994	—	0.995	—	—	—	—	—	—	—	—	—
P-COR(99%)	0.937	0.994	0.993	0.994	0.994	—	0.994	—	—	—	—	—	—	—	—	—
SLSC(99%)	0.045	0.02	0.029	0.02	0.023	—	0.022	—	—	—	—	—	—	—	—	—
対数尤度	-190.2	-200.1	-200.6	-200.1	—	—	-200	—	—	—	—	—	—	—	—	—
pAIC	384.4	404.2	405.2	406.2	0	—	406.1	—	—	—	—	—	—	—	—	—
X-COR(50%)	0.993	0.992	0.993	0.991	0.989	—	0.991	—	—	—	—	—	—	—	—	—
P-COR(50%)	0.991	0.994	0.993	0.994	0.994	—	0.994	—	—	—	—	—	—	—	—	—
SLSC(50%)	0.063	0.033	0.053	0.033	0.037	—	0.036	—	—	—	—	—	—	—	—	—

JackKnife Estimated Value	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	93.3	98.6	97.3	98.9	390.3	—	95.8	—	—	—	—	—	—	—	—	—
	3	107.1	111.8	111.4	112.3	441.5	—	109.7	—	—	—	—	—	—	—	—	—
	5	124.6	126.5	128.2	127.1	496.9	—	126.3	—	—	—	—	—	—	—	—	—
	10	148.2	144.9	150.8	145.3	564	—	148.3	—	—	—	—	—	—	—	—	—
	20	171.8	162.6	174	162.3	626.2	—	170.3	—	—	—	—	—	—	—	—	—
	30	185.6	172.8	188	171.8	661.3	—	183.2	—	—	—	—	—	—	—	—	—
	50	203	185.5	206.2	183.4	704.6	—	199.8	—	—	—	—	—	—	—	—	—
	80	219.1	197.2	223.6	193.6	743.8	—	215.3	—	—	—	—	—	—	—	—	—
	100	226.7	202.7	232	198.4	762.2	—	222.7	—	—	—	—	—	—	—	—	—
	150	240.5	212.7	247.7	206.7	795.5	—	236.4	—	—	—	—	—	—	—	—	—
	200	250.3	219.8	259.1	212.5	819	—	246.2	—	—	—	—	—	—	—	—	—
	400	273.9	236.9	287.5	225.6	875.3	—	270.4	—	—	—	—	—	—	—	—	—
	500	281.5	242.4	297	229.7	893.4	—	278.3	—	—	—	—	—	—	—	—	—
	1000	305.2	259.4	327.2	241.5	949.5	—	303.4	—	—	—	—	—	—	—	—	—
	10000	383.7	316.1	437.3	272.8	1136.4	—	391.9	—	—	—	—	—	—	—	—	—

JackKnife Estimation Error	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	4.1	4.4	4.3	5	165.1	—	4.4	—	—	—	—	—	—	—	—	—
	3	5	5.4	5.3	5.8	187.1	—	4.9	—	—	—	—	—	—	—	—	—
	5	6.6	6.8	7	6.8	210.5	—	6.5	—	—	—	—	—	—	—	—	—
	10	9.1	8.8	9.7	8.9	238.4	—	9.9	—	—	—	—	—	—	—	—	—
	20	11.9	10.8	12.8	12.3	263.9	—	14.4	—	—	—	—	—	—	—	—	—
	30	13.6	12	14.7	14.9	278.1	—	17.5	—	—	—	—	—	—	—	—	—
	50	15.7	13.6	17.4	19	295.5	—	21.6	—	—	—	—	—	—	—	—	—
	80	17.7	15	19.9	23.4	311.1	—	25.7	—	—	—	—	—	—	—	—	—
	100	18.6	15.7	21.2	25.7	318.4	—	27.7	—	—	—	—	—	—	—	—	—
	150	20.4	16.9	23.5	30.2	331.5	—	31.6	—	—	—	—	—	—	—	—	—
	200	21.6	17.8	25.3	33.6	340.8	—	34.4	—	—	—	—	—	—	—	—	—
	400	24.5	19.9	29.7	42.7	362.8	—	41.6	—	—	—	—	—	—	—	—	—
	500	25.5	20.6	31.2	45.9	369.8	—	44.1	—	—	—	—	—	—	—	—	—
	1000	28.5	22.7	36	56.5	391.5	—	52	—	—	—	—	—	—	—	—	—
	10000	38.4	29.8	54	99	463.1	—	81.8	—	—	—	—	—	—	—	—	—

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.



計算結果表示

結果ファイル名

水系名-河川名-地点名 Davao - Davao - Davao

表示項目
● 確率水文量 ○ Jackknife推定値

確率分布モデル
☑ Exp
☑ Gumbel
☑ SQRTET
☑ GEV
☑ LP3Rs
☑ LogP3
☑ Iwai
☐ IshiTaka
☐ LN3Q
☐ LN3PM
☐ LN2LM
☐ LN2PM
☐ LN4PM
☐ LExp
☐ Gp
☐ GPExp

グラフタイプ
● 対数正規確率紙
○ 正規確率紙
○ グンベル確率紙
○ 指数確率紙

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.

Figure D-536 Frequency Curve of Daily Point Rainfall at Davao Station (PAGASA)

(3) Probable Maximum Precipitation (PMP)

The probable maximum precipitation (PMP) for each proposed dam site were calculated by using the Hershfield's method (statistical method) as shown in Table below.

Table D-331 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Davao-II Dam Site by Using Annual Maximum Daily Rainfall at Davao Station

Station: Davao City for Davao-II Dam Site CA (km^2) = 814.0

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		83.6
2	1980		130.1
3	1981		90.0
4	1982		129.4
5	1983		86.0
6	1984		83.9
7	1985		149.6
8	1986		87.7
9	1987		85.9
10	1988		132.2
11	1989		96.9
12	1990		120.0
13	1991		74.2
14	1992		51.8
15	1993	M	193.0
16	1994		104.4
17	1995		68.8
18	1996		79.2
19	1997		122.6
20	1998		84.0
21	1999		106.7
22	2000		122.4
23	2001		65.6
24	2002		114.4
25	2003		109.4
26	2004		83.8
27	2005		86.8
28	2006		118.4
29	2007		86.8
30	2008		176.4
31	2009		61.2
32	2010		113.0
33	2011		137.0
34	2012		72.8
35	2013		153.7
36	2014		80.8
37	2015		113.2
38	2016		66.4
39	2017		132.2
40	2018		110.0
41	2019		102.0
42	2020		92.6

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	193.0
X_n	Mean Annual Maximum Rainfall	(mm)	103.8
X_{n-m}	Mean (excluding maximum)	(mm)	101.6
S_n	Standard Deviation	(mm)	30.6
S_{n-m}	Standard Dev.(w/o.max)	(mm)	27.5
X_{n-m} / X_n			0.98
S_{n-m} / S_n			0.90
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	100%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**104.0**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	100%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**31.3**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		15
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**574**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**649**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	814
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**66.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**428**
	(rounded PMP)	(mm)	**430**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

Table D-332 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Davao-III Dam Site by Using Annual Maximum Daily Rainfall at Davao Station

Station: Davao City for Davao-III Dam Site CA (km^2) = 151.1

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		83.6
2	1980		130.1
3	1981		90.0
4	1982		129.4
5	1983		86.0
6	1984		83.9
7	1985		149.6
8	1986		87.7
9	1987		85.9
10	1988		132.2
11	1989		96.9
12	1990		120.0
13	1991		74.2
14	1992		51.8
15	1993	M	193.0
16	1994		104.4
17	1995		68.8
18	1996		79.2
19	1997		122.6
20	1998		84.0
21	1999		106.7
22	2000		122.4
23	2001		65.6
24	2002		114.4
25	2003		109.4
26	2004		83.8
27	2005		86.8
28	2006		118.4
29	2007		86.8
30	2008		176.4
31	2009		61.2
32	2010		113.0
33	2011		137.0
34	2012		72.8
35	2013		153.7
36	2014		80.8
37	2015		113.2
38	2016		66.4
39	2017		132.2
40	2018		110.0
41	2019		102.0
42	2020		92.6

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	193.0
X_n	Mean Annual Maximum Rainfall	(mm)	103.8
X_{n-m}	Mean (excluding maximum)	(mm)	101.6
S_n	Standard Deviation	(mm)	30.6
S_{n-m}	Standard Dev.(w/o.max)	(mm)	27.5
X_{n-m} / X_n			0.98
S_{n-m} / S_n			0.90
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	100%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**104.0**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	100%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**31.3**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		15
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**574**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**649**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	151
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**76.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**493**
	(rounded PMP)	(mm)	**500**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

(4) Base Flow

For estimation of flood peak discharge at the proposed dam sites, the base flow discharge at Davao-II and Davao-III dam sites in rainy season was assumed at 3.0 m^3/s considering the average discharge in rainy season at each dam site.

13.2.2 Flood Peak Discharge by Rational Formula

The peak flood discharges estimated by the Rational Formula is used for reference. The formulas are shown below.

Rational Formula

[Rational Formula] $$Q_p = \frac{1}{3.6} \times f \times r_t \times A$$ [m^3/s]

where, f : runoff coefficient

r_t : rainfall intensity of time duration [mm/hour]

A : catchment area [km^2]

Rainfall Intensity

[*Ito*'s Formula] $$r_t = \frac{R_{24}}{100} \times \left(\frac{34{,}710}{t^{1.35}} + 1{,}520 \right)$$ [mm/hour]

[*Kawakami*'s Formula] $$r_t = \frac{R_{24}}{24} \times \left(\frac{30}{t/60 + 6} \right)$$ [mm/hour]

where, r_t : rainfall intensity of time duration [mm/hour]

R_{24} : daily rainfall [mm/day]

t : time of concentration [hour]

Time of Concentration

$$t = \frac{W}{L}$$ [m^3/s]

[*Kraven*'s Formula]

I	>1/100	1/100 - 1/200	<1/200
W	3.5 m/s	3.0 m/s	2.1 m/s

where, t : time of concentration [hour]

W : flood velocity [m/sec]

L : length of river [m]

I : slope of basin ($I=H/L$)

H : height difference of basin [m]

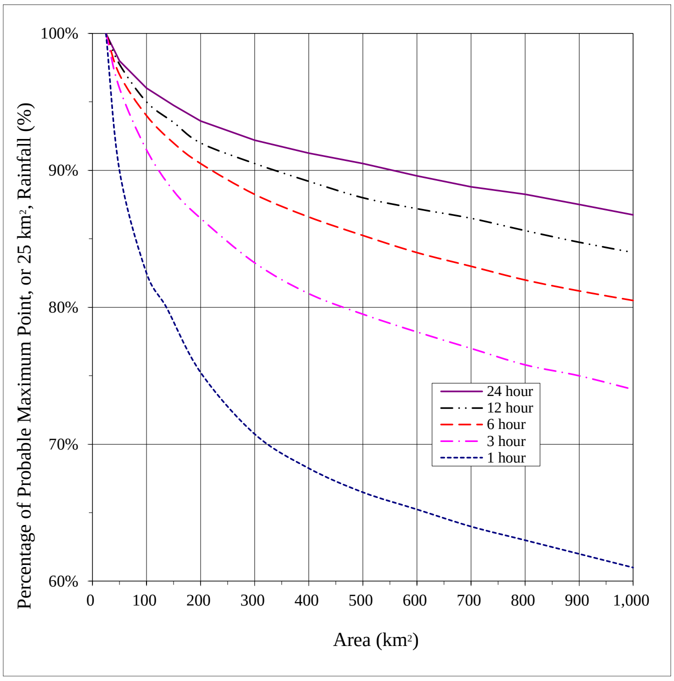
Runoff coefficient of 0.80 was applied with considering of catchment area topography as shown in Table below.

Table D-333 Runoff Coefficient

Topography.	Coefficient *F*
Steep Mountains	0.75～0.90
Tertiary Mountains or Hills	0.70～0.80
Gently Undulating Lands And Forest	0.50～0.75
Flat Cultivated Fields	0.45～0.60
Mountainous River	0.75～0.85
Small River In Flat Land	0.45～0.75
Large River In Flat Land	0.50～0.75

Source: Technical Standards for River and Sabo (draft), Ministry of Construction, River Bureau, Japan, 1997.

An areal reduction factor (ARF) to estimate the basin mean rainfall from point rainfall is used WMO-No.1045 (2009) method as shown Figure below.



Source: WMO-No.1045 (2009)

Figure D-537 Areal Reduction Factor (ARF) by WMO-No.1045 (2009)

Estimated flood peak discharge by rational formula at each proposed dam site basin are shown Table below.

Table D-334 Estimated Flood Peak Discharge by Rational Formula at Davao-II Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor *1 of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	98.6	0.886	87	77.6182	794	0.010	1/98	3.50	6.2	8.9
5	20.0%	126.5	0.886	112	77.6182	794	0.010	1/98	3.50	6.2	11.5
10	10.0%	144.9	0.886	128	77.6182	794	0.010	1/98	3.50	6.2	13.2
20	5.0%	162.6	0.886	144	77.6182	794	0.010	1/98	3.50	6.2	14.8
50	2.0%	185.5	0.886	164	77.6182	794	0.010	1/98	3.50	6.2	16.9
100	1.0%	202.7	0.886	180	77.6182	794	0.010	1/98	3.50	6.2	18.5
200	0.5%	219.8	0.886	195	77.6182	794	0.010	1/98	3.50	6.2	20.0
1,000	0.1%	259.4	0.886	230	77.6182	794	0.010	1/98	3.50	6.2	23.6
10,000	0.0%	316.1	0.886	280	77.6182	794	0.010	1/98	3.50	6.2	28.8
PMF	-	430.0	0.886	381	77.6182	794	0.010	1/98	3.50	6.2	39.2

Catchment Area A (km²)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f *1	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Mononobe] Q_p (m³/s)	Peak Discharge [Kawakami] Q_p (m³/s)	Baseflow (Rainy Season) Q_p (m³/s)
814.0	2	50.0%	0.80	1,230	1,737	1,628	1,610	3.0
814.0	5	20.0%	0.80	1,592	2,225	2,098	2,080	3.0
814.0	10	10.0%	0.80	1,809	2,551	2,388	2,388	3.0
814.0	20	5.0%	0.80	2,044	2,858	2,695	2,677	3.0
814.0	50	2.0%	0.80	2,334	3,256	1,085	3,057	3.0
814.0	100	1.0%	0.80	2,551	3,582	3,365	3,347	3.0
814.0	200	0.5%	0.80	2,768	3,889	3,636	3,618	3.0
814.0	1000	0.1%	0.80	3,256	4,577	4,287	4,269	3.0
814.0	10000	0.0%	0.80	3,962	5,572	5,228	5,210	3.0
814.0	PMF	-	0.80	5,409	7,580	7,109	7,091	3.0

Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Mononobe] Q_p (m³/s)	Peak Discharge [Kawakami] Q_p (m³/s)
2	50.0%	1,233	1,740	1,631	1,613
5	20.0%	1,595	2,228	2,101	2,083
10	10.0%	1,812	2,554	2,391	2,391
20	5.0%	2,047	2,861	2,698	2,680
50	2.0%	2,337	3,259	1,088	3,060
100	1.0%	2,554	3,585	3,368	3,350
200	0.5%	2,771	3,892	3,639	3,621
1000	0.1%	3,259	4,580	4,290	4,272
10000	0.0%	3,965	5,575	5,231	5,213
PMF	-	5,412	7,583	7,112	7,094

*1: Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

Table D-335 Estimated Flood Peak Discharge by Rational Formula at Davao-III Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor *1 of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	98.6	0.945	93	25.7234	520	0.020	1/49	3.50	2.0	14.5
5	20.0%	126.5	0.945	120	25.7234	520	0.020	1/49	3.50	2.0	18.7
10	10.0%	144.9	0.945	137	25.7234	520	0.020	1/49	3.50	2.0	21.3
20	5.0%	162.6	0.945	154	25.7234	520	0.020	1/49	3.50	2.0	23.9
50	2.0%	185.5	0.945	175	25.7234	520	0.020	1/49	3.50	2.0	27.2
100	1.0%	202.7	0.945	192	25.7234	520	0.020	1/49	3.50	2.0	29.8
200	0.5%	219.8	0.945	208	25.7234	520	0.020	1/49	3.50	2.0	32.3
1,000	0.1%	259.4	0.945	245	25.7234	520	0.020	1/49	3.50	2.0	38.1
10,000	0.0%	316.1	0.945	299	25.7234	520	0.020	1/49	3.50	2.0	46.5
PMF	-	500.0	0.945	473	25.7234	520	0.020	1/49	3.50	2.0	73.5

Catchment Area A (km²)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f *1	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Mononobe] Q_p (m³/s)	Peak Discharge [Kawakami] Q_p (m³/s)	Baseflow (Rainy Season) Q_p (m³/s)
151.1	2	50.0%	0.80	500	1,095	672	487	3.0
151.1	5	20.0%	0.80	648	1,414	870	628	3.0
151.1	10	10.0%	0.80	739	1,615	991	715	3.0
151.1	20	5.0%	0.80	829	1,813	1,115	803	3.0
151.1	50	2.0%	0.80	944	2,062	201	913	3.0
151.1	100	1.0%	0.80	1,034	2,263	1,390	1,001	3.0
151.1	200	0.5%	0.80	1,122	2,451	1,504	1,085	3.0
151.1	1000	0.1%	0.80	1,323	2,888	1,773	1,279	3.0
151.1	10000	0.0%	0.80	1,612	3,523	2,163	1,561	3.0
151.1	PMF	-	0.80	2,552	5,574	3,422	2,468	3.0

Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Ito] Q_p (m³/s)	Peak Discharge [Mononobe] Q_p (m³/s)	Peak Discharge [Kawakami] Q_p (m³/s)
2	50.0%	503	1,098	675	490
5	20.0%	651	1,417	873	631
10	10.0%	742	1,618	994	718
20	5.0%	832	1,816	1,118	806
50	2.0%	947	2,065	204	916
100	1.0%	1,037	2,266	1,393	1,004
200	0.5%	1,125	2,454	1,507	1,088
1000	0.1%	1,326	2,891	1,776	1,282
10000	0.0%	1,615	3,526	2,166	1,564
PMF	-	2,555	5,577	3,425	2,471

*1: Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

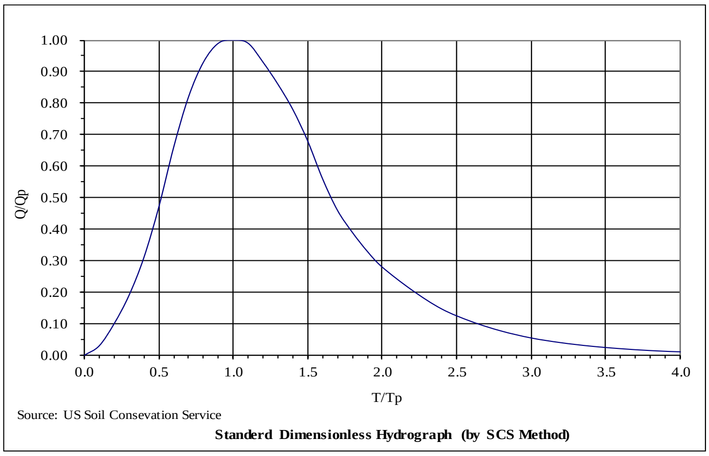
$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

13.2.3 Flood Peak Discharge by SCS Unit Hydrograph Method

(1) General

A flood hydrograph is required for the planning of the intake weir. The unit hydrograph method established by the Natural Resources Conservation Service (NRCS), formerly known as the U.S. Soil Conservation Service (SCS) of the United States Department of Agriculture (USDA), which has been employed for various water resource development projects to date, was applied to estimate the flood hydrograph simply from the probable rainfalls. The standard dimensionless unit hydrograph given by the SCS synthetic method is shown in Figure below.



Source: Natural Resources Conservation Service (NRCS) of USDA

Figure D-538 Standard Dimensionless Hydrograph by SCS

The calculation procedures to determine the SCS unit hydrograph are described below.

SCS Unit Hydrograph		at Intake Site	
Q_p = 0.208 * A * Q / t_p	***(US Soil Conservation Service Unit Hydrograph)***		
Q_p : Peak Discharge [m^3/sec]		**22.9**	[m^3/sec/mm]
A : Catchment Area [km^2]		814	[km^2]
Q : Total volume of the unit graph (= 1 mm)		1	[mm]
t_p : Time to peak [hours]		7.40	[hours]
Time to Peak			
t_p = 2 * t_c / 3		**7.4**	[hours]
		7.4	
Rainfall Duration			
D = 0.133 * t_c		**1.5**	[hours]
		1.48	[hours]
Flood Concentration Time			
(*Kirpich*'s formula)			
t_c = 3.97 * $L^{0.77}$ * $S^{-0.385}$	**(*Kirpich*'s formula)**	**11.1**	[hours]
t_c : Flood concentration time [min]		667	[min]
L : Maximum length of travel of water [km]		77.6	[km]
S : Average slope (= H/L)		0.010	
H : Difference in elevation between the remote point in the basin and the outlet		794	[m]

(2) SCS Unit Hydrograph

The SCS unit hydrograph is derived based on the flood concentration time and mean rainfall in the unit basin. The unit hydrograph is constructed for a unit rainfall of 1.0 mm. The peak discharge of the unit hydrograph is calculated as follows.

$$Q_p = 0.208 \times A \times \frac{Q}{t_p}$$

where, Q_p : Peak Discharge [m^3/sec]

A : Catchment Area [km^2]

Q : Total volume of the unit graph (= 1 mm)

t_p : Time to peak [hours]

The relationship of the time to peak (tp), and rainfall duration (D) with the time to concentration (tc) is given below.

$$t_p = 2 \times \left(\frac{t_c}{3} \right)$$

$$D = 0.133 \times t_c$$

(3) Flood Concentration Time

Flood concentration time is defined as the traveling time from the most remote point in the catchment to the forecast point, is given by the following formula. For example, the estimated flood concentration time of the proposed Davao-II dam site is 11.1 hours (667 minutes).

$$t_c = 3.97 \times L^{0.77} \times S^{-0.385} \quad \textit{(Kirpich's formula)}$$

where, tc : Flood concentration time [min]

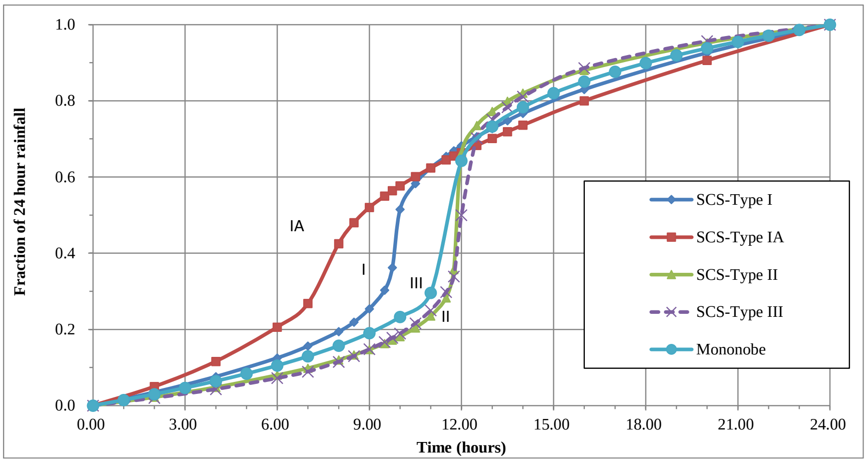
L : Maximum length of travel of water [km]

S : Average slope (= H/L)

H : Difference in elevation between the remote point in the basin and the outlet

(4) Design Hyetograph

As there are no hourly rainfall data available in the project site, the design hourly rainfall pattern hyetograph was applied following SCS Type-II due to be the most sensitive and safe hyetograph. A type of rainfall intensity pattern namely, central concentration pattern in 24 hours were assumed for the hyetograph.



Source: Natural Resources Conservation Service (NRCS) of USDA

Figure D-539 Rainfall Distribution of 24hr Rainfall by SCS Type I-III and Mononobe's Formula

(5) Base Flow

In order to estimate the direct flood runoff, the base flow should be separated from the hydrograph. The base flow was assumed at 3.0 m^3/s for each proposed dam site in rainy season due to average discharge in rainy season.

(6) Direct Runoff Coefficient

In order to estimate the flood hydrograph by mean of unit-graph, it is required to compute the excess rainfall by separating effective rainfall from storm rainfall, which generally includes losses from interception, depression, soil moisture change, evaporation and transpiration. Runoff coefficient of 0.80 was applied with considering of catchment area topography.

(7) Areal Reduction Factor (ARF)

In this review study, since the probable rainfall is calculated using the basin mean rainfall in the basin, the Areal Reduction Factor (ARF) applied to the point rainfall is not used.

(8) Design Flood Hydrographs

The design flood hydrographs were obtained using the SCS unit hydrograph, as shown in Figures below. The peak discharge for each flood is presented in following Table.

Table D-336 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Davao-II Dam Site

Maximum length of travel of water [km]= **77.6**
Difference in elevation between the remote point in the basin and the outlet [m]= **794**
C.A.[km^2] = **814.0**

PMF at Davao-II Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**430**	**88.6%**	**381**	**0.80**	**3.0**	**5,330**	**654.7**

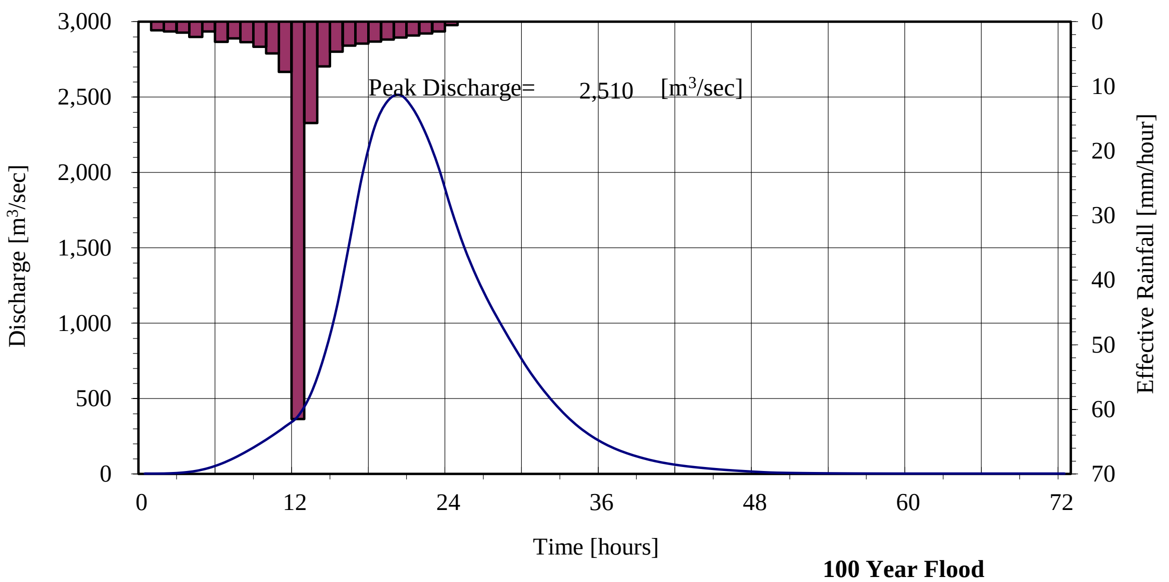
ARF by WMO-No.1045 (2009)

Design Flood at Davao-II Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	98.6	88.6%	**87.4**	0.800	3.0	**1,225**	150
24 hr	5	126.5	88.6%	**112.1**	0.800	3.0	**1,570**	193
24 hr	10	144.9	88.6%	**128.4**	0.800	3.0	**1,798**	221
24 hr	20	162.6	88.6%	**144.1**	0.800	3.0	**2,017**	248
24 hr	50	185.5	88.6%	**164.4**	0.800	3.0	**2,301**	283
24 hr	100	202.7	88.6%	**179.6**	0.800	3.0	**2,510**	308
24 hr	200	219.8	88.6%	**194.7**	0.800	3.0	**2,720**	334
24 hr	1000	259.4	88.6%	**229.8**	0.800	3.0	**3,220**	396
24 hr	10000	316.1	88.6%	**280.1**	0.800	3.0	**3,920**	482

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Design Flood Hydrograph at Davao-II Dam Site

Source: JICA Survey Team

Figure D-540 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Davao-II Dam Site (1/100-years Return Period)

Table D-337 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Davao-III Dam Site

Maximum length of travel of water [km]=	**25.7**
Difference in elevation between the remote point in the basin and the outlet [m]=	**520**
C.A.[km^2] =	**151.1**

PMF at Davao-III Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**500**	**94.5%**	**473**	**0.80**	**3.0**	**2,699**	**1,786.0**

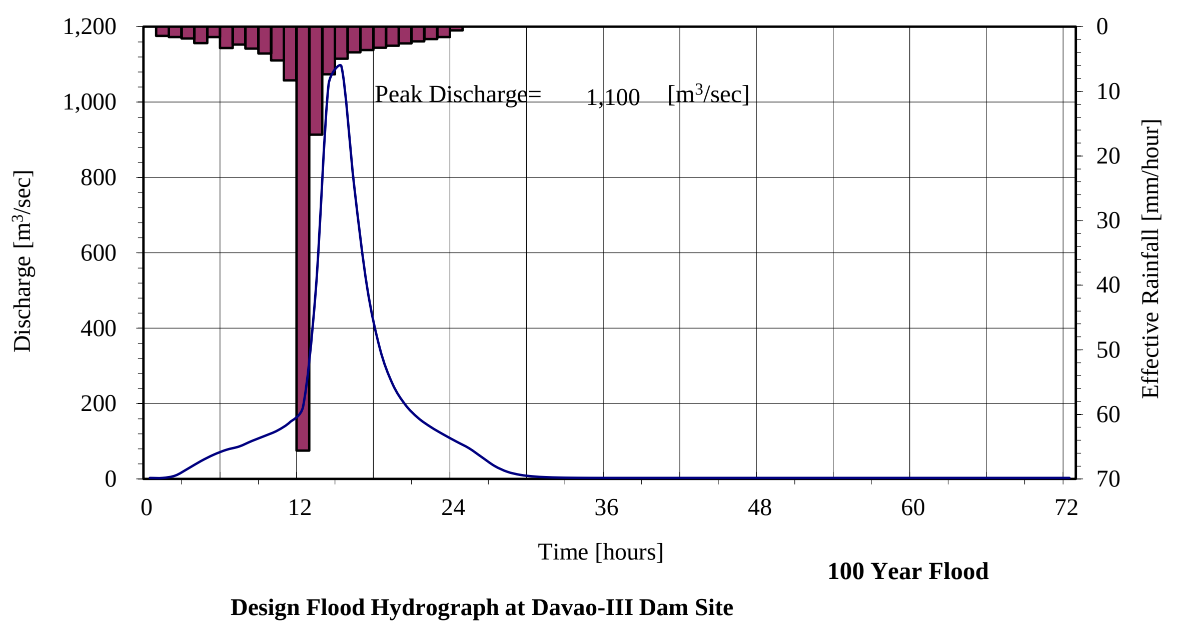
ARF by WMO-No.1045 (2009)

Design Flood at Davao-III Dam Site

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	98.6	94.5%	**93.2**	0.800	3.0	**534**	354
24 hr	5	126.5	94.5%	**119.5**	0.800	3.0	**684**	453
24 hr	10	144.9	94.5%	**136.9**	0.800	3.0	**783**	518
24 hr	20	162.6	94.5%	**153.7**	0.800	3.0	**879**	582
24 hr	50	185.5	94.5%	**175.3**	0.800	3.0	**1,002**	663
24 hr	100	202.7	94.5%	**191.6**	0.800	3.0	**1,100**	728
24 hr	200	219.8	94.5%	**207.7**	0.800	3.0	**1,190**	788
24 hr	1000	259.4	94.5%	**245.1**	0.800	3.0	**1,400**	926
24 hr	10000	316.1	94.5%	**298.7**	0.800	3.0	**1,710**	1,132

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-541 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Davao-III Dam Site (1/100-years Return Period)

13.3 WRR-V

13.3.1 Rainfall Analysis

(1) Annual Maximum Daily Basin Mean Rainfall

Annual maximum daily point rainfall at Daet, Legazpi and Masbate Synoptic Stations by PAGASA are shown in Table blow.

Table D-338 Annual Maximum Daily Basin Mean Rainfall at Daet, Legazpi and Masbate (PAGASA)

Daet Station (PAGASA)

No.	Year	Annual Maximum Daily Rainfall (mm/day)
1	1979	167.4
2	1980	316.9
3	1981	236.9
4	1982	306.7
5	1983	221.8
6	1984	151.6
7	1985	197.7
8	1986	195.9
9	1987	149.3
10	1988	144.8
11	1989	150.3
12	1990	114.4
13	1991	322.7
14	1992	102.0
15	1993	201.2
16	1994	177.7
17	1995	334.3
18	1996	125.0
19	1997	78.2
20	1998	189.5
21	1999	249.9
22	2000	507.5
23	2001	206.0
24	2002	247.4
25	2003	199.8
26	2004	228.1
27	2005	184.9
28	2006	114.5
29	2007	214.5
30	2008	275.6
31	2009	204.4
32	2010	167.7
33	2011	314.0
34	2012	152.2
35	2013	115.3
36	2014	203.4
37	2015	129.5
38	2016	199.3
39	2017	184.6
40	2018	399.2
41	2019	122.7
42	2020	270.6
	Maximum	507.5

Legazpi Station (PAGASA)

No.	Year	Annual Maximum Daily Rainfall (mm/day)
1	1979	161.2
2	1980	235.0
3	1981	220.4
4	1982	214.4
5	1983	239.4
6	1984	144.8
7	1985	81.8
8	1986	139.9
9	1987	111.0
10	1988	207.4
11	1989	254.4
12	1990	158.3
13	1991	180.0
14	1992	138.8
15	1993	147.9
16	1994	229.5
17	1995	315.2
18	1996	123.2
19	1997	149.2
20	1998	264.0
21	1999	186.7
22	2000	231.2
23	2001	146.0
24	2002	118.7
25	2003	151.0
26	2004	116.3
27	2005	119.4
28	2006	466.0
29	2007	162.5
30	2008	269.2
31	2009	215.9
32	2010	196.7
33	2011	295.6
34	2012	242.4
35	2013	178.0
36	2014	238.2
37	2015	254.1
38	2016	156.4
39	2017	164.4
40	2018	241.4
41	2019	223.5
42	2020	282.7
	Maximum	466.0

Masbate Station (PAGASA)

No.	Year	Annual Maximum Daily Rainfall (mm/day)
1	1979	198.5
2	1980	121.2
3	1981	179.3
4	1982	269.5
5	1983	242.0
6	1984	72.2
7	1985	184.8
8	1986	109.6
9	1987	237.6
10	1988	207.4
11	1989	163.4
12	1990	95.5
13	1991	145.9
14	1992	102.6
15	1993	175.4
16	1994	105.2
17	1995	219.6
18	1996	149.0
19	1997	74.1
20	1998	264.1
21	1999	147.2
22	2000	229.2
23	2001	145.6
24	2002	136.6
25	2003	146.3
26	2004	196.8
27	2005	126.4
28	2006	155.8
29	2007	121.2
30	2008	109.4
31	2009	93.2
32	2010	71.6
33	2011	180.8
34	2012	96.6
35	2013	175.0
36	2014	199.6
37	2015	169.6
38	2016	82.6
39	2017	224.4
40	2018	143.2
41	2019	179.2
42	2020	117.0
	Maximum	269.5

Source: Prepared by JICA Survey Team based on Data of PAGASA

(2) Rainfall Frequency

Results of annual maximum daily rainfall analysis is shown in Figure below. For Daet synoptic station of PAGASA, among distribution models with Standard Least Squares. Criterion (SLSC) less than 0.04, the Gumbel distribution has the smallest Jac Jack-Knife estimation error and most fitted. Therefore, the Sqrt distribution model was selected. Provable daily point rainfall by Gumbel distribution is shown in following Table and Figure.

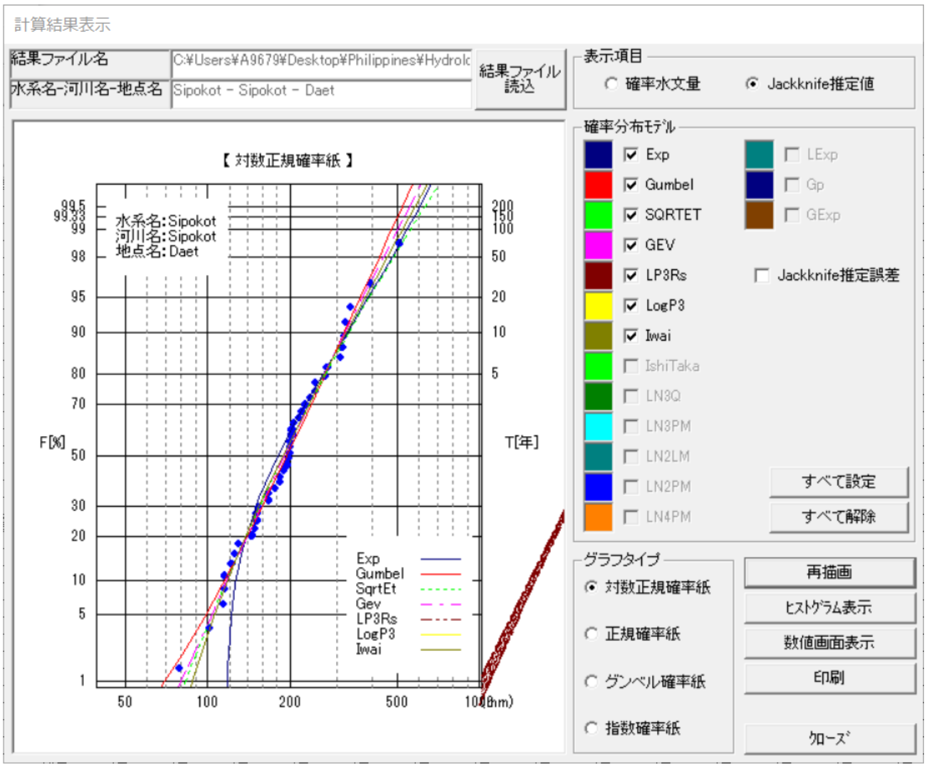
Table D-339 Probable Daily Point Rainfall at Daet (PAGASA)

	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
X-COR(99%)	0.986	0.99	0.994	0.994	0.992	—	0.992	—	—	—	—	—	—	—	—	—
P-COR(99%)	0.952	0.995	0.994	0.995	0.995	—	0.995	—	—	—	—	—	—	—	—	—
SLSC(99%)	0.034	0.03	0.022	0.022	0.023	—	0.023	—	—	—	—	—	—	—	—	—
対数尤度	-231.8	-240.8	-240.8	-240.6	—	—	-240.6	—	—	—	—	—	—	—	—	—
pAIC	467.5	485.6	485.6	487.2	0	—	487.1	—	—	—	—	—	—	—	—	—
X-COR(50%)	0.99	0.988	0.991	0.99	0.988	—	0.989	—	—	—	—	—	—	—	—	—
P-COR(50%)	0.989	0.988	0.989	0.989	0.988	—	0.989	—	—	—	—	—	—	—	—	—
SLSC(50%)	0.035	0.057	0.034	0.039	0.049	—	0.047	—	—	—	—	—	—	—	—	—

JackKnife Estimated Value	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	180.8	195	189.7	191.6	2637	—	189.1	—	—	—	—	—	—	—	—	—
	3	218	230.5	226.4	226.7	3119.1	—	225.6	—	—	—	—	—	—	—	—	—
	5	264.8	270	270.7	267.3	3666.5	—	268.6	—	—	—	—	—	—	—	—	—
	10	328.4	319.6	331.2	320.5	4366.3	—	325.2	—	—	—	—	—	—	—	—	—
	20	391.9	367.2	394.2	373.5	5049.8	—	382	—	—	—	—	—	—	—	—	—
	30	429.1	394.6	432.8	404.7	5449	—	415.6	—	—	—	—	—	—	—	—	—
	50	475.9	428.8	483.2	444.3	5955	—	458.6	—	—	—	—	—	—	—	—	—
	80	519	460.1	531.5	481.1	6425.5	—	499.1	—	—	—	—	—	—	—	—	—
	100	539.5	475	555.1	498.6	6651.1	—	518.6	—	—	—	—	—	—	—	—	—
	150	576.6	501.9	599.2	530.5	7065.1	—	554.5	—	—	—	—	—	—	—	—	—
	200	603	521	631.4	553.2	7362.4	—	580.4	—	—	—	—	—	—	—	—	—
	400	666.6	566.9	712	607.9	8092.1	—	644.5	—	—	—	—	—	—	—	—	—
	500	687	581.7	738.9	625.4	8331.3	—	665.6	—	—	—	—	—	—	—	—	—
	1000	750.6	627.6	825.2	679.4	9088.8	—	732.7	—	—	—	—	—	—	—	—	—
	10000	961.7	779.9	1143.7	847.6	11780.1	—	973.8	—	—	—	—	—	—	—	—	—

JackKnife Estimation Error	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	10.8	11.9	11.3	11.8	575.4	—	13.6	—	—	—	—	—	—	—	—	—
	3	14.1	15.6	14.3	14.4	682.3	—	15.8	—	—	—	—	—	—	—	—	—
	5	20	20.7	19.2	18.7	802	—	19.5	—	—	—	—	—	—	—	—	—
	10	28.9	27.6	27	27.6	952.7	—	27	—	—	—	—	—	—	—	—	—
	20	38.2	34.5	35.8	40.9	1097.6	—	37.3	—	—	—	—	—	—	—	—	—
	30	43.7	38.6	41.5	50.9	1181.3	—	44.4	—	—	—	—	—	—	—	—	—
	50	50.8	43.7	49	65.8	1286.4	—	54.4	—	—	—	—	—	—	—	—	—
	80	57.3	48.4	56.5	81.8	1383.3	—	64.7	—	—	—	—	—	—	—	—	—
	100	60.4	50.6	60.2	90.3	1429.5	—	69.8	—	—	—	—	—	—	—	—	—
	150	66	54.7	67.2	107	1513.9	—	79.8	—	—	—	—	—	—	—	—	—
	200	70	57.6	72.3	120	1574.2	—	87.2	—	—	—	—	—	—	—	—	—
	400	79.7	64.5	85.3	155.2	1721	—	106.5	—	—	—	—	—	—	—	—	—
	500	82.8	66.8	89.7	167.8	1768.8	—	113.1	—	—	—	—	—	—	—	—	—
	1000	92.5	73.8	104	210.7	1919.2	—	135	—	—	—	—	—	—	—	—	—
	10000	124.8	97	158.2	400.3	2443.2	—	221.5	—	—	—	—	—	—	—	—	—

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.



結果ファイル名 C:¥Users¥A9679¥Desktop¥Philippines¥Hydrolc
水系名-河川名-地点名 Sipokot - Sipokot - Daet

表示項目
○ 確率水文量 ● Jackknife推定値

確率分布モデル
☑ Exp
☑ Gumbel
☑ SQRTET
☑ GEV
☑ LP3Rs
☑ LogP3
☑ Iwai
☐ IshiTaka
☐ LN3Q
☐ LN3PM
☐ LN2LM
☐ LN2PM
☐ LN4PM
☐ LExp
☐ Gp
☐ GExp
☐ Jackknife推定誤差

グラフタイプ
● 対数正規確率紙
○ 正規確率紙
○ グンベル確率紙
○ 指数確率紙

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.

Figure D-542 Frequency Curve of Daily Point Rainfall at Daet Station (PAGASA)

For Legazpi synoptic station of PAGASA, among distribution models with Standard Least Squares. Criterion (SLSC) less than 0.04, the Square Root wxponential Type Maximum distribution (SqrtEt) distribution has the smallest Jac Jack-Knife estimation error and most fitted. Therefore, the Sqrt distribution model was selected. Provable daily point rainfall by SqrtEt distribution is shown in following Table and Figure.

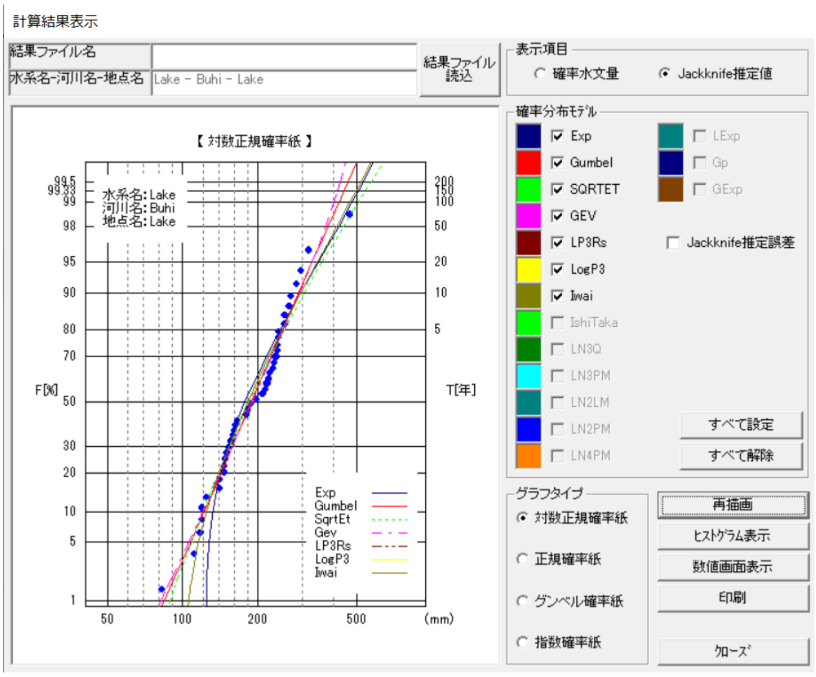
Table D-340 Probable Daily Point Rainfall at Legazpi Station (PAGASA)

	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
X-COR(99%)	0.963	0.978	0.978	0.976	—	—	0.976	—	—	—	—	—	—	—	—	—
P-COR(99%)	0.936	0.99	0.989	0.991	—	—	0.991	—	—	—	—	—	—	—	—	—
SLSC(99%)	0.055	0.043	0.04	0.051	—	—	0.034	—	—	—	—	—	—	—	—	—
Log-likelihood	-223.9	-234	-234.5	-234.1	—	—	-234	—	—	—	—	—	—	—	—	—
pAIC	451.7	471.9	473.1	474.2	—	—	473.9	—	—	—	—	—	—	—	—	—
X-COR(50%)	0.945	0.936	0.952	0.929	—	—	0.929	—	—	—	—	—	—	—	—	—
P-COR(50%)	0.972	0.981	0.975	0.982	—	—	0.982	—	—	—	—	—	—	—	—	—
SLSC(50%)	0.082	0.086	0.078	0.102	—	—	0.082	—	—	—	—	—	—	—	—	—

JackKnife Estimated Value	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	176	187.8	184.3	189.1	—	—	181.1	—	—	—	—	—	—	—	—	—
	3	206.8	217.2	216.5	219.6	—	—	212.2	—	—	—	—	—	—	—	—	—
	5	245.6	249.9	255.1	252.7	—	—	249.2	—	—	—	—	—	—	—	—	—
	10	298.3	291	307.4	292.7	—	—	298.2	—	—	—	—	—	—	—	—	—
	20	350.9	330.4	361.6	328.8	—	—	347.2	—	—	—	—	—	—	—	—	—
	30	381.7	353.1	394.7	348.5	—	—	376	—	—	—	—	—	—	—	—	—
	50	420.5	381.5	437.8	371.6	—	—	412.8	—	—	—	—	—	—	—	—	—
	80	456.2	407.5	479	391.4	—	—	447.2	—	—	—	—	—	—	—	—	—
	100	473.2	419.8	499.1	400.3	—	—	463.7	—	—	—	—	—	—	—	—	—
	150	504	442.1	536.6	415.6	—	—	494	—	—	—	—	—	—	—	—	—
	200	525.8	457.9	563.9	425.8	—	—	515.8	—	—	—	—	—	—	—	—	—
	400	578.5	495.9	632.2	447.8	—	—	569.2	—	—	—	—	—	—	—	—	—
	500	595.4	508.2	654.9	454.1	—	—	586.6	—	—	—	—	—	—	—	—	—
	1000	648.1	546.2	727.9	471.5	—	—	641.9	—	—	—	—	—	—	—	—	—
	10000	823	672.3	995.8	502.4	—	—	836.6	—	—	—	—	—	—	—	—	—

JackKnife Estimation Error	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	9.4	10	9.7	11.6	—	—	11.6	—	—	—	—	—	—	—	—	—
	3	11.5	12.6	12.1	12.9	—	—	12.9	—	—	—	—	—	—	—	—	—
	5	15.8	16.3	16.2	15.4	—	—	16	—	—	—	—	—	—	—	—	—
	10	22.6	21.7	23	23.1	—	—	23.1	—	—	—	—	—	—	—	—	—
	20	30	27.1	30.8	35.5	—	—	32.8	—	—	—	—	—	—	—	—	—
	30	34.3	30.3	35.7	44.6	—	—	39.3	—	—	—	—	—	—	—	—	—
	50	39.9	34.3	42.4	57.5	—	—	48.3	—	—	—	—	—	—	—	—	—
	80	45.1	38	48.9	70.7	—	—	57.3	—	—	—	—	—	—	—	—	—
	100	47.5	39.8	52.2	77.4	—	—	61.7	—	—	—	—	—	—	—	—	—
	150	52	43	58.2	90.1	—	—	70.2	—	—	—	—	—	—	—	—	—
	200	55.2	45.3	62.7	99.6	—	—	76.4	—	—	—	—	—	—	—	—	—
	400	62.9	50.8	74.1	123.9	—	—	92.2	—	—	—	—	—	—	—	—	—
	500	65.4	52.6	77.9	132.1	—	—	97.5	—	—	—	—	—	—	—	—	—
	1000	73.1	58.2	90.4	158.8	—	—	114.7	—	—	—	—	—	—	—	—	—
	10000	98.9	76.7	137.4	257.8	—	—	179.7	—	—	—	—	—	—	—	—	—

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.


計算結果表示

結果ファイル名

水系名-河川名-地点名: Lake - Buhi - Lake

表示項目: ○ 確率水文量 ● Jackknife推定値

確率分布ﾓﾃﾞﾙ:
☑ Exp
☑ Gumbel
☑ SQRTET
☑ GEV
☑ LP3Rs
☑ LogP3
☑ Iwai
☐ IshiTaka
☐ LN3Q
☐ LN3PM
☐ LN2LM
☐ LN2PM
☐ LN4PM
☐ LExp
☐ Gp
☐ GExp
☐ Jackknife推定誤差

ｸﾞﾗﾌﾀｲﾌﾟ:
● 対数正規確率紙
○ 正規確率紙
○ ｸﾞﾝﾍﾞﾙ確率紙
○ 指数確率紙

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.

Figure D-543 Frequency Curve of Daily Point Rainfall at Legazpi Station (PAGASA)

For Masbate synoptic station of PAGASA, among distribution models with Standard Least Squares. Criterion (SLSC) less than 0.04, the Square Root wxponential Type Maximum distribution (SqrtEt) distribution has the smallest Jac Jack-Knife estimation error and most fitted. Therefore, the Sqrt distribution model was selected. Provable daily point rainfall by SqrtEt distribution is shown in following Table and Figure.

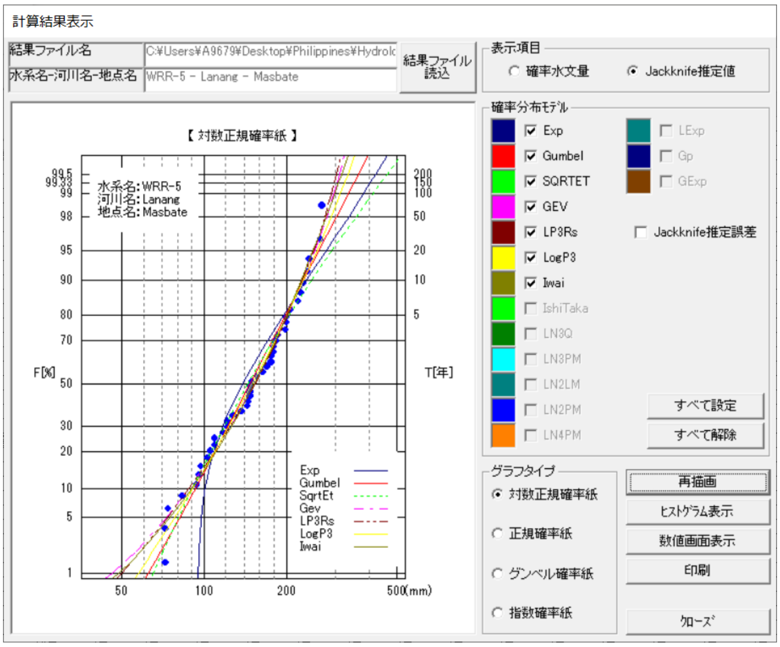
Table D-341 Probable Daily Point Rainfall at Masbate Station (PAGASA)

	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
X-COR(99%)	0.939	0.982	0.959	0.994	0.995	0.992	0.991	—	—	—	—	—	—	—	—	—
P-COR(99%)	0.942	0.994	0.99	0.997	0.997	0.996	0.996	—	—	—	—	—	—	—	—	—
SLSC(99%)	0.07	0.038	0.053	0.025	0.033	0.027	0.027	—	—	—	—	—	—	—	—	—
Log-likelihood	-215.2	-226.1	-227.2	-225.5	-225	-225.3	-225.6	—	—	—	—	—	—	—	—	—
pAIC	434.4	456.3	458.3	457.1	456	456.6	457.2	—	—	—	—	—	—	—	—	—
X-COR(50%)	0.964	0.974	0.958	0.988	0.993	0.992	0.982	—	—	—	—	—	—	—	—	—
P-COR(50%)	0.986	0.986	0.987	0.99	0.992	0.996	0.988	—	—	—	—	—	—	—	—	—
SLSC(50%)	0.103	0.072	0.102	0.044	0.041	0.048	0.05	—	—	—	—	—	—	—	—	—

JackKnife Estimated Value	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	137.3	146.9	143.9	152.2	152.7	149.7	152.2	—	—	—	—	—	—	—	—	—
	3	162.4	170.8	170.8	177	177.8	174.4	175.9	—	—	—	—	—	—	—	—	—
	5	194	197.4	203.1	202	202.6	200.3	199.9	—	—	—	—	—	—	—	—	—
	10	236.8	230.9	247.3	230	229.4	230.6	227.1	—	—	—	—	—	—	—	—	—
	20	279.6	263	293.2	253.6	251.3	257.6	250.7	—	—	—	—	—	—	—	—	—
	30	304.7	281.4	321.2	265.8	262.4	272.3	263.5	—	—	—	—	—	—	—	—	—
	50	336.3	304.5	357.9	279.8	275	289.8	278.7	—	—	—	—	—	—	—	—	—
	80	365.3	325.6	393	291.4	285.3	305.2	291.9	—	—	—	—	—	—	—	—	—
	100	379.1	335.6	410.1	296.5	289.8	312.2	298	—	—	—	—	—	—	—	—	—
	150	404.2	353.8	442.1	305.2	297.5	324.7	308.8	—	—	—	—	—	—	—	—	—
	200	421.9	366.7	465.5	310.9	302.6	333.3	316.3	—	—	—	—	—	—	—	—	—
	400	464.8	397.6	523.9	323.3	313.7	353.2	333.6	—	—	—	—	—	—	—	—	—
	500	478.6	407.6	543.4	326.9	316.9	359.4	339	—	—	—	—	—	—	—	—	—
	1000	521.4	438.5	606	337	326	378	355.3	—	—	—	—	—	—	—	—	—
	10000	663.7	541.2	836.4	360.5	348.4	433.6	405.4	—	—	—	—	—	—	—	—	—

JackKnife Estimation Error	Provability	Exp	Gumbel	SqrtEt	Gev	LP3Rs	LogP3	Iwai	IshiTaka	LN3Q	LN3PM	LN2LM	LN2PM	LN4PM	Lexp	Gp	GpExp
	2	7.9	8	8.4	10.1	9.9	9.9	9.2	—	—	—	—	—	—	—	—	—
	3	8.4	8.7	10	10.8	10.6	10.5	9.8	—	—	—	—	—	—	—	—	—
	5	9.8	10	12.5	11.1	11	11.1	10.6	—	—	—	—	—	—	—	—	—
	10	12.6	12.2	16.4	11.9	11.2	12.2	12.1	—	—	—	—	—	—	—	—	—
	20	15.9	14.6	20.9	13.9	12	14.6	14.4	—	—	—	—	—	—	—	—	—
	30	18	16.1	23.9	15.9	13	16.7	16.3	—	—	—	—	—	—	—	—	—
	50	20.7	18	27.8	19	14.7	20	18.9	—	—	—	—	—	—	—	—	—
	80	23.2	19.8	31.6	22.4	16.7	23.7	21.7	—	—	—	—	—	—	—	—	—
	100	24.4	20.6	33.5	24.2	17.7	25.5	23.1	—	—	—	—	—	—	—	—	—
	150	26.6	22.2	37.2	27.6	19.7	29.2	25.9	—	—	—	—	—	—	—	—	—
	200	28.2	23.3	39.8	30.1	21.2	32	28	—	—	—	—	—	—	—	—	—
	400	32	26	46.6	36.5	25	39.2	33.3	—	—	—	—	—	—	—	—	—
	500	33.3	26.9	48.9	38.6	26.3	41.6	35.1	—	—	—	—	—	—	—	—	—
	1000	37.2	29.7	56.3	45.2	30.2	49.6	41	—	—	—	—	—	—	—	—	—
	10000	50.2	39	84.5	67.1	42.8	79.6	63.4	—	—	—	—	—	—	—	—	—

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.



計算結果表示

結果ファイル名: C:¥Users¥A9679¥Desktop¥Philippines¥Hydrolc
水系名-河川名-地点名: WRR-5 - Lanang - Masbate

表示項目
○ 確率水文量 ● Jackknife推定値

確率分布ﾓﾃﾞﾙ
☑ Exp ☐ LExp
☑ Gumbel ☐ Gp
☑ SQRTET ☐ GExp
☑ GEV
☑ LP3Rs ☐ Jackknife推定誤差
☑ LogP3
☑ Iwai
☐ IshiTaka
☐ LN3Q
☐ LN3PM
☐ LN2LM
☐ LN2PM
☐ LN4PM

グラフタイプ
● 対数正規確率紙
○ 正規確率紙
○ グンベル確率紙
○ 指数確率紙

Source: Prepared by JICA Survey Team based on Hydrologic Frequency Analysis Utility, JICE.

Figure D-544 Frequency Curve of Daily Point Rainfall at Masbate Station (PAGASA)

(3) Probable Maximum Precipitation (PMP)

The probable maximum precipitation (PMP) for each proposed dam site were calculated by using the Hershfield's method (statistical method) as shown in Table below.

Table D-342 Probable Maximum Precipitation (PMP) by Hershfield's Method for Proposed Sipokot Dam Site by Using Annual Maximum Daily Rainfall at Daet Station

Station: Daet CA (km^2) = 469.9

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		167.4
2	1980		316.9
3	1981		236.9
4	1982		306.7
5	1983		221.8
6	1984		151.6
7	1985		197.7
8	1986		195.9
9	1987		149.3
10	1988		144.8
11	1989		150.3
12	1990		114.4
13	1991		322.7
14	1992		102.0
15	1993		201.2
16	1994		177.7
17	1995		334.3
18	1996		125.0
19	1997		78.2
20	1998		189.5
21	1999		249.9
22	2000	M	507.5
23	2001		206.0
24	2002		247.4
25	2003		199.8
26	2004		228.1
27	2005		184.9
28	2006		114.5
29	2007		214.5
30	2008		275.6
31	2009		204.4
32	2010		167.7
33	2011		314.0
34	2012		152.2
35	2013		115.3
36	2014		203.4
37	2015		129.5
38	2016		199.3
39	2017		184.6
40	2018		399.2
41	2019		122.7
42	2020		270.6

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	507.5
X_n	Mean Annual Maximum Rainfall	(mm)	208.9
X_{n-m}	Mean (excluding maximum)	(mm)	201.7
S_n	Standard Deviation	(mm)	85.4
S_{n-m}	Standard Dev.(w/o.max)	(mm)	72.1
X_{n-m} / X_n			0.97
S_{n-m} / S_n			0.84
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	99%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**207.3**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	93%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**81.4**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		12
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**1,184**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**1,338**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	470
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**70.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**937**
	(rounded PMP)	(mm)	**940**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and "Manual on Estimation of Probable Maximum Precipitation", WMO-No. 1045

Table D-343 Probable Maximum Precipitation (PMP) by Hershfield’s Method for Lake Buhi Regulation Site by Using Annual Maximum Daily Rainfall at Legazpi Station

Legazpi CA (km^2) = 75.3

Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1979		161.2
1980		235.0
1981		220.4
1982		214.4
1983		239.4
1984		144.8
1985		81.8
1986		139.9
1987		111.0
1988		207.4
1989		254.4
1990		158.3
1991		180.0
1992		138.8
1993		147.9
1994		229.5
1995		315.2
1996		123.2
1997		149.2
1998		264.0
1999		186.7
2000		231.2
2001		146.0
2002		118.7
2003		151.0
2004		116.3
2005		119.4
2006	M	466.0
2007		162.5
2008		269.2
2009		215.9
2010		196.7
2011		295.6
2012		242.4
2013		178.0
2014		238.2
2015		254.1
2016		156.4
2017		164.4
2018		241.4
2019		223.5
2020		282.7

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	466.0
X_n	Mean Annual Maximum Rainfall	(mm)	199.3
$X_{n\text{-}m}$	Mean (excluding maximum)	(mm)	192.8
S_n	Standard Deviation	(mm)	70.5
$S_{n\text{-}m}$	Standard Dev.(w/o.max)	(mm)	57.2
$X_{n\text{-}m} / X_n$			0.97
$S_{n\text{-}m} / S_n$			0.81
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	99%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**197.8**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	90%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**65.0**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		12
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**978**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**1,105**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	75
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**79.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**873**
	(rounded PMP)	(mm)	**880**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and “Manual on Estimation of Probable Maximum Precipitation”, WMO-No. 1045

Table D-344 Probable Maximum Precipitation (PMP) by Hershfield’s Method for Proposed Lanang Dam Site by Using Annual Maximum Daily Rainfall at Masbate Station

Station: Masbate for Lanang Proposed Dam Site CA (km^2) = 51.6

No.	Year		Annual Maximum Precipitation (mm) Duration (hour) 24 hr (1 day)
1	1979		198.5
2	1980		121.2
3	1981		179.3
4	1982	M	269.5
5	1983		242.0
6	1984		72.2
7	1985		184.8
8	1986		109.6
9	1987		237.6
10	1988		207.4
11	1989		163.4
12	1990		95.5
13	1991		145.9
14	1992		102.6
15	1993		175.4
16	1994		105.2
17	1995		219.6
18	1996		149.0
19	1997		74.1
20	1998		264.1
21	1999		147.2
22	2000		229.2
23	2001		145.6
24	2002		136.6
25	2003		146.3
26	2004		196.8
27	2005		126.4
28	2006		155.8
29	2007		121.2
30	2008		109.4
31	2009		93.2
32	2010		71.6
33	2011		180.8
34	2012		96.6
35	2013		175.0
36	2014		199.6
37	2015		169.6
38	2016		82.6
39	2017		224.4
40	2018		143.2
41	2019		179.2
42	2020		117.0

			Duration (hour) 24 hr (Case-1)
n	Number of Data (Length of Record)	(years)	42
m	Maximum	(mm)	269.5
X_n	Mean Annual Maximum Rainfall	(mm)	156.3
X_{n-m}	Mean (excluding maximum)	(mm)	153.5
S_n	Standard Deviation	(mm)	53.5
S_{n-m}	Standard Dev.(w/o.max)	(mm)	51.0
X_{n-m} / X_n			0.98
S_{n-m} / S_n			0.95
Adjustment of menas (X_n) for maximum observed amount and record length:			
F_{x1}	Adjustment Factor (X_n) for maximum observed amount (from **Figure 2.4.25**)	(%)	100%
F_{x2}	Adjustment Factor (X_n) for record length (from **Figure 2.4.27**)	(%)	100%
ADX_n	Adjusted X_n $(ADX_n = Xn * F_{x1} * F_{x2})$	(mm)	**156.7**
Adjustment of standard deviation for maximum observed amount and record length:			
F_{s1}	Adjustment Factor (S_n) for maximum observed amount (from **Figure 2.4.26**)	(%)	105%
F_{s2}	Adjustment Factor (S_n) for record length (from **Figure 2.4.27**)	(%)	103%
ADS_n	Adjusted S_n $(ADS_n = Sn * F_{s1} * Fs_2)$		**57.5**
K_m	Function of rainfall duration and mean of annual series (from **Figure 2.4.24**)		13
Unadjustment point values of PMP:			
$X_{m(ua)}$	Unadjustment point values of PMP: $(X_{m(ua)} = ADX_n + K_m * ADS_n)$	(mm)	**904**
Adjustment of PMP based on hourly data to true maximum values:			
T	Number of observation unit (fixed tim interval of rainfall observation)	(hour)	24
F_o	Adjustment Factor (T) for observation unit (from **Figure 2.4.28**)	(%)	113%
$X_{m(t)}$	Adjustment of PMP based on hourly data to true maximum values: $(X_{m(t)} = X_{m(ua)} * F_o)$	(mm)	**1,022**
(Note: If annual series data had been compiled from fixed observational time interval instead of hourly data, the adjustment factor for all duration would have been 1.13)			
Adjustment of point PMP to study area (catchment area):			
CA_b	Covered Area of Rainfall Data (if point rainfall : 25 km^2)	(km^2)	25
CA	Study Area (Catchment Area)	(km^2)	52
F_{CA}	Area Reduction Factor for point rainfall to area (from Depth - Area Analysis)	(%)	**81.0%**
PMP	**PMP for study area** $(PMP = X_{m(t)} * F_{CA})$	(mm)	**828**
	(rounded PMP)	(mm)	**830**

Source: Manual on Estimation of Probable Maximum Precipitation, WMO-No. 1045

Source: Prepared by JICA Survey Team based on Daily Rainfall Data by PAGASA and “Manual on Estimation of Probable Maximum Precipitation”, WMO-No. 1045

(4) Base Flow

For estimation of flood peak discharge at the proposed dam sites, the base flow discharge at proposed dam sites in rainy season was assumed at 3.0 m^3/s considering the average discharge in rainy season at each dam site.

13.3.2 Flood Peak Discharge by Rational Formula

The peak flood discharges estimated by the Rational Formula is used for reference. The formulas are shown below.

Rational Formula

[Rational Formula] $$Q_p = \frac{1}{3.6} \times f \times r_t \times A$$ [m^3/s]

where, f : runoff coefficient
r_t : rainfall intensity of time duration [mm/hour]
A : catchment area [km^2]

Rainfall Intensity

[*Ito*'s Formula] $$r_t = \frac{R_{24}}{100} \times \left(\frac{34{,}710}{t^{1.35}} + 1{,}520 \right)$$ [mm/hour]

[*Kawakami*'s Formula] $$r_t = \frac{R_{24}}{24} \times \left(\frac{30}{t/60 + 6} \right)$$ [mm/hour]

where, r_t : rainfall intensity of time duration [mm/hour]
R_{24} : daily rainfall [mm/day]
t : time of concentration [hour]

Time of Concentration

$$t = \frac{W}{L}$$ [m^3/s]

[*Kraven*'s Formula]

I	>1/100	1/100 - 1/200	<1/200
W	3.5 m/s	3.0 m/s	2.1 m/s

where, t : time of concentration [hour]
W : flood velocity [m/sec]
L : length of river [m]
I : slope of basin ($I=H/L$)
H : height difference of basin [m]

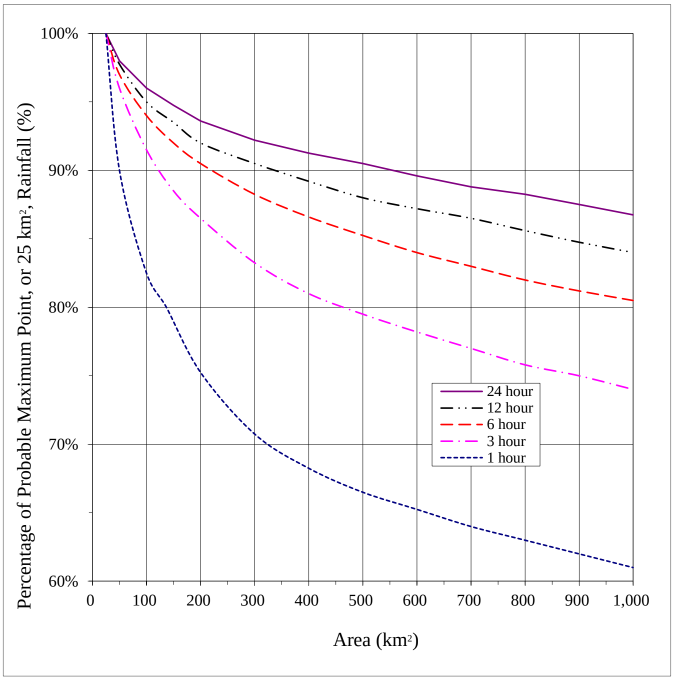
Runoff coefficient of 0.80 was applied with considering of catchment area topography as shown in Table below.

Table D-345 Runoff Coefficient

Topography.	Coefficient *F*
Steep Mountains	0.75～0.90
Tertiary Mountains or Hills	0.70～0.80
Gently Undulating Lands And Forest	0.50～0.75
Flat Cultivated Fields	0.45～0.60
Mountainous River	0.75～0.85
Small River In Flat Land	0.45～0.75
Large River In Flat Land	0.50～0.75

Source: Technical Standards for River and Sabo (draft), Ministry of Construction, River Bureau, Japan, 1997.

An areal reduction factor (ARF) to estimate the basin mean rainfall from point rainfall is used WMO-No.1045 (2009) method as shown Figure below.



Source: WMO-No.1045 (2009)

Figure D-545 Areal Reduction Factor (ARF) by WMO-No.1045 (2009)

Estimated flood peak discharge by rational formula at each proposed dam site basin are shown Table below.

Table D-346 Estimated Flood Peak Discharge by Rational Formula at Sipocot Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor [*1] of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	195.0	0.905	176	44.7755	551	0.012	1/81	3.50	3.6	23.0
5	20.0%	270.0	0.905	244	44.7755	551	0.012	1/81	3.50	3.6	31.9
10	10.0%	319.6	0.905	289	44.7755	551	0.012	1/81	3.50	3.6	37.8
20	5.0%	367.2	0.905	332	44.7755	551	0.012	1/81	3.50	3.6	43.4
50	2.0%	428.8	0.905	388	44.7755	551	0.012	1/81	3.50	3.6	50.8
100	1.0%	475.0	0.905	430	44.7755	551	0.012	1/81	3.50	3.6	56.3
200	0.5%	521.0	0.905	472	44.7755	551	0.012	1/81	3.50	3.6	61.8
1,000	0.1%	627.6	0.905	568	44.7755	551	0.012	1/81	3.50	3.6	74.3
10,000	0.0%	779.9	0.905	706	44.7755	551	0.012	1/81	3.50	3.6	92.4
PMF	-	940.0	0.905	851	44.7755	551	0.012	1/81	3.50	3.6	111.3

Catchment Area A (km^2)	Return Period (Year)	Excess Probability (%)	Runoff Coefficient f [*1]	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)	Baseflow (Rainy Season) Q_p (m^3/s)	Return Period (Year)	Excess Probability (%)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Ito] Q_p (m^3/s)	Peak Discharge [Mononobe] Q_p (m^3/s)	Peak Discharge [Kawakami] Q_p (m^3/s)
469.9	2	50.0%	0.80	2,203	3,780	2,736	2,402	3.0	2	50.0%	2,206	3,783	2,739	2,405
469.9	5	20.0%	0.80	3,059	5,231	3,790	3,331	3.0	5	20.0%	3,062	5,234	3,793	3,334
469.9	10	10.0%	0.80	3,623	6,202	4,490	3,947	3.0	10	10.0%	3,626	6,205	4,493	3,950
469.9	20	5.0%	0.80	4,156	7,121	5,158	4,532	3.0	20	5.0%	4,159	7,124	5,161	4,535
469.9	50	2.0%	0.80	4,855	8,322	626	5,304	3.0	50	2.0%	4,858	8,325	629	5,307
469.9	100	1.0%	0.80	5,388	9,220	6,683	5,879	3.0	100	1.0%	5,391	9,223	6,686	5,882
469.9	200	0.5%	0.80	5,910	10,128	7,340	6,453	3.0	200	0.5%	5,913	10,131	7,343	6,456
469.9	1000	0.1%	0.80	7,111	12,185	8,834	7,758	3.0	1000	0.1%	7,114	12,188	8,837	7,761
469.9	10000	0.0%	0.80	8,844	15,140	10,974	9,648	3.0	10000	0.0%	8,847	15,143	10,977	9,651
469.9	PMF	-	0.80	10,650	18,252	13,229	11,621	3.0	PMF	-	10,653	18,255	13,232	11,624

[*1] Nagaho Mononobe (1933)

Q_p = *1/3.6*f*r_t*A* [Rational Formula]

Q_p = *1/3.6*f*r_t*A* [Rational Formula]

Source: JICA Survey Team

Table D-347 Estimated Flood Peak Discharge by Rational Formula at Lake Buhi Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor [*1] of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	184.3	0.969	179	13.1195	268	0.020	1/49	3.50	1.0	31.8
5	20.0%	255.1	0.969	247	13.1195	268	0.020	1/49	3.50	1.0	43.8
10	10.0%	307.4	0.969	298	13.1195	268	0.020	1/49	3.50	1.0	52.9
20	5.0%	361.6	0.969	350	13.1195	268	0.020	1/49	3.50	1.0	62.1
50	2.0%	437.8	0.969	424	13.1195	268	0.020	1/49	3.50	1.0	75.3
100	1.0%	499.1	0.969	484	13.1195	268	0.020	1/49	3.50	1.0	85.9
200	0.5%	563.9	0.969	546	13.1195	268	0.020	1/49	3.50	1.0	96.9
1,000	0.1%	727.9	0.969	705	13.1195	268	0.020	1/49	3.50	1.0	125.2
10,000	0.0%	995.8	0.969	965	13.1195	268	0.020	1/49	3.50	1.0	171.3
PMF	-	880.0	0.969	853	13.1195	268	0.020	1/49	3.50	1.0	151.4

Area A (km^2)	Period (Year)	Probability (%)	Coefficient f [*1]	Discharge [Ito] Q_p (m^3/s)	Discharge [Ito] Q_p (m^3/s)	Discharge [Mononobe] Q_p (m^3/s)	Discharge [Kawakami] Q_p (m^3/s)	(Rainy Season) Q_p (m^3/s)	Period (Year)	Probability (%)	Discharge [Ito] Q_p (m^3/s)	Discharge [Ito] Q_p (m^3/s)	Discharge [Mononobe] Q_p (m^3/s)	Discharge [Kawakami] Q_p (m^3/s)
75.3	2	50.0%	0.80	589	1,695	1,011	532	3.0	2	50.0%	592	1,698	1,014	535
75.3	5	20.0%	0.80	812	2,338	1,396	733	3.0	5	20.0%	815	2,341	1,399	736
75.3	10	10.0%	0.80	979	2,822	1,684	885	3.0	10	10.0%	982	2,825	1,687	888
75.3	20	5.0%	0.80	1,150	3,314	1,976	1,039	3.0	20	5.0%	1,153	3,317	1,979	1,042
75.3	50	2.0%	0.80	1,394	4,013	100	1,260	3.0	50	2.0%	1,397	4,016	103	1,263
75.3	100	1.0%	0.80	1,590	4,582	2,733	1,438	3.0	100	1.0%	1,593	4,585	2,736	1,441
75.3	200	0.5%	0.80	1,794	5,168	3,084	1,622	3.0	200	0.5%	1,797	5,171	3,087	1,625
75.3	1000	0.1%	0.80	2,316	6,674	3,981	2,095	3.0	1000	0.1%	2,319	6,677	3,984	2,098
75.3	10000	0.0%	0.80	3,171	9,136	5,451	2,867	3.0	10000	0.0%	3,174	9,139	5,454	2,870
75.3	PMF	-	0.80	2,803	8,075	4,818	2,534	3.0	PMF	-	2,806	8,078	4,821	2,537

[*1] Nagaho Mononobe (1933)

Q_p = *1/3.6*f*r_t*A* [Rational Formula]

Q_p = *1/3.6*f*r_t*A* [Rational Formula]

Source: JICA Survey Team

Table D-348 Estimated Flood Peak Discharge by Rational Formula at Lanang Dam Site

Return Period (Year)	Excess Probability (%)	Daily Basin Mean Rainfall R_{24} (mm)	Area Reduction Factor [*1] of Point Rainfall to Basin Rainfall	Daily Basin Rainfall R_{24} (mm)	Length of River (main stream) L (km)	Height Difference of Basin H (m)	Slope of Basin I (1/I)	Slope of Basin I (1/I)	Flood Velocity by Kraven Formula W (m/s)	Time of Concentration $t = L / W$ t (hour)	Rainfall Intensity of Time Duration [Kawakami Formula] r_t (mm/hr)
2	50.0%	152.7	0.982	150	13.379	206	0.015	1/65	3.50	1.1	26.6
5	20.0%	202.6	0.982	199	13.379	206	0.015	1/65	3.50	1.1	35.2
10	10.0%	229.4	0.982	225	13.379	206	0.015	1/65	3.50	1.1	39.8
20	5.0%	251.3	0.982	247	13.379	206	0.015	1/65	3.50	1.1	43.7
50	2.0%	275.0	0.982	270	13.379	206	0.015	1/65	3.50	1.1	47.8
100	1.0%	289.8	0.982	285	13.379	206	0.015	1/65	3.50	1.1	50.4
200	0.5%	302.6	0.982	297	13.379	206	0.015	1/65	3.50	1.1	52.6
1,000	0.1%	326.0	0.982	320	13.379	206	0.015	1/65	3.50	1.1	56.6
10,000	0.0%	348.4	0.982	342	13.379	206	0.015	1/65	3.50	1.1	60.5
PMF	-	830.0	0.982	815	13.379	206	0.015	1/65	3.50	1.1	144.3

Area A (km^2)	Period (Year)	Probability (%)	Coefficient f [*1]	Discharge [Ito] Q_p (m^3/s)	Discharge [Ito] Q_p (m^3/s)	Discharge [Mononobe] Q_p (m^3/s)	Discharge [Kawakami] Q_p (m^3/s)	(Rainy Season) Q_p (m^3/s)	Period (Year)	Probability (%)	Discharge [Ito] Q_p (m^3/s)	Discharge [Ito] Q_p (m^3/s)	Discharge [Mononobe] Q_p (m^3/s)	Discharge [Kawakami] Q_p (m^3/s)
51.6	2	50.0%	0.80	336	963	574	305	3.0	2	50.0%	339	966	577	308
51.6	5	20.0%	0.80	446	1,277	761	404	3.0	5	20.0%	449	1,280	764	407
51.6	10	10.0%	0.80	505	1,444	859	457	3.0	10	10.0%	508	1,447	862	460
51.6	20	5.0%	0.80	554	1,586	944	501	3.0	20	5.0%	557	1,589	947	504
51.6	50	2.0%	0.80	606	1,734	69	548	3.0	50	2.0%	609	1,737	72	551
51.6	100	1.0%	0.80	639	1,829	1,089	578	3.0	100	1.0%	642	1,832	1,092	581
51.6	200	0.5%	0.80	667	1,907	1,135	603	3.0	200	0.5%	670	1,910	1,138	606
51.6	1000	0.1%	0.80	718	2,054	1,223	649	3.0	1000	0.1%	721	2,057	1,226	652
51.6	10000	0.0%	0.80	768	2,195	1,307	694	3.0	10000	0.0%	771	2,198	1,310	697
51.6	PMF	-	0.80	1,829	5,232	3,115	1,656	3.0	PMF	-	1,832	5,235	3,118	1,659

[*1] Nagaho Mononobe (1933)

$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

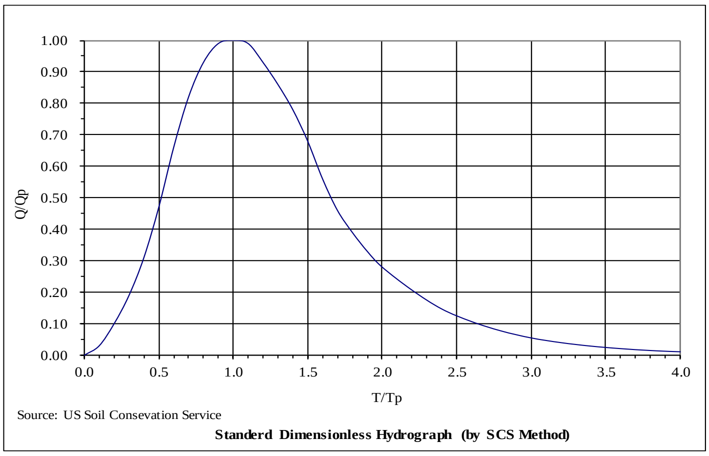
$Q_p = 1/3.6*f*r_t*A$ [Rational Formula]

Source: JICA Survey Team

13.3.3 Flood Peak Discharge by SCS Unit Hydrograph Method

(1) General

A flood hydrograph is required for the planning of the intake weir. The unit hydrograph method established by the Natural Resources Conservation Service (NRCS), formerly known as the U.S. Soil Conservation Service (SCS) of the United States Department of Agriculture (USDA), which has been employed for various water resource development projects to date, was applied to estimate the flood hydrograph simply from the probable rainfalls. The standard dimensionless unit hydrograph given by the SCS synthetic method is shown in Figure below.



Source: Natural Resources Conservation Service (NRCS) of USDA

Figure D-546 Standard Dimensionless Hydrograph by SCS

The calculation procedures to determine the SCS unit hydrograph are described below.

SCS Unit Hydrograph	at Intake Site	
Q_p = 0.208 * A * Q / t_p ***(US Soil Conservation Service Unit Hydrograph)***		
Q_p : Peak Discharge [m^3/sec]	**21.7**	[m^3/sec/mm]
A : Catchment Area [km^2]	470	[km^2]
Q : Total volume of the unit graph (= 1 mm)	1	[mm]
t_p : Time to peak [hours]	4.50	[hours]
Time to Peak		
t_p = 2 * t_c / 3	**4.5**	[hours]
	4.5333	
Rainfall Duration		
D = 0.133 * t_c	**1.0**	[hours]
	0.90	[hours]
Flood Concentration Time		
(*Kirpich*'s formula)		
t_c = 3.97 * $L^{0.77}$ * $S^{-0.385}$ **(*Kirpich*'s formula)**	**6.8**	[hours]
t_c : Flood concentration time [min]	407	[min]
L : Maximum length of travel of water [km]	44.8	[km]
S : Average slope (= H/L)	0.012	
H : Difference in elevation between the remote point in the basin and the outlet	551	[m]

(2) SCS Unit Hydrograph

The SCS unit hydrograph is derived based on the flood concentration time and mean rainfall in the unit basin. The unit hydrograph is constructed for a unit rainfall of 1.0 mm. The peak discharge of the unit hydrograph is calculated as follows.

$$Q_p = 0.208 \times A \times \frac{Q}{t_p}$$

where, Q_p : Peak Discharge [m^3/sec]

A : Catchment Area [km^2]

Q : Total volume of the unit graph (= 1 mm)

t_p : Time to peak [hours]

The relationship of the time to peak (*tp*), and rainfall duration (*D*) with the time to concentration (*tc*) is given below.

$$t_p = 2 \times \left(\frac{t_c}{3}\right)$$

$$D = 0.133 \times t_c$$

(3) Flood Concentration Time

Flood concentration time is defined as the traveling time from the most remote point in the catchment to the forecast point, is given by the following formula. For example, the estimated flood concentration time of the proposed Sipocot dam site is 6.8 hours (407 minutes).

$$t_c = 3.97 \times L^{0.77} \times S^{-0.385} \quad (\mathit{Kirpich's\ formula})$$

where, tc : Flood concentration time [min]

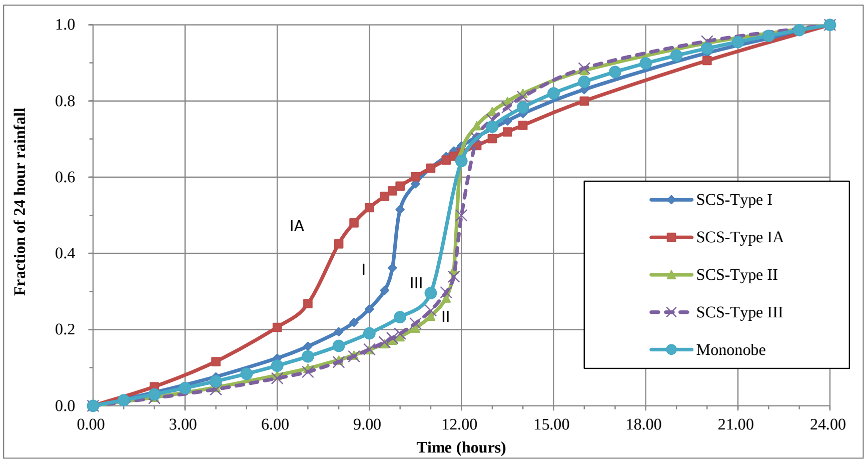
L : Maximum length of travel of water [km]

S : Average slope (= H/L)

H : Difference in elevation between the remote point in the basin and the outlet

(4) Design Hyetograph

As there are no hourly rainfall data available in the project site, the design hourly rainfall pattern hyetograph was applied following SCS Type-II due to be the most sensitive and safe hyetograph. A type of rainfall intensity pattern namely, central concentration pattern in 24 hours were assumed for the hyetograph.



Source: Natural Resources Conservation Service (NRCS) of USDA

Figure D-547 Rainfall Distribution of 24hr Rainfall by SCS Type I-III and Mononobe's Formula

(5) Base Flow

In order to estimate the direct flood runoff, the base flow should be separated from the hydrograph. The base flow was assumed at 3.0 m^3/s for each proposed dam site in rainy season due to average discharge in rainy season.

(6) Direct Runoff Coefficient

In order to estimate the flood hydrograph by mean of unit-graph, it is required to compute the excess rainfall by separating effective rainfall from storm rainfall, which generally includes losses from interception, depression, soil moisture change, evaporation and transpiration. Runoff coefficient of 0.80 was applied with considering of catchment area topography.

(7) Areal Reduction Factor (ARF)

In this review study, since the probable rainfall is calculated using the basin mean rainfall in the basin, the Areal Reduction Factor (ARF) applied to the point rainfall is not used.

(8) Design Flood Hydrographs

The design flood hydrographs were obtained using the SCS unit hydrograph, as shown in Figures below. The peak discharge for each flood is presented in following Table.

Table D-349 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Sipocot Dam Site

Maximum length of travel of water [km]= **44.8**
Difference in elevation between the remote point in the basin and the outlet [m]= **551**

PMF at Proposed Dam Site at Sipokot (Luzon)

C.A.[km^2] = **469.9**

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**940**	**90.5%**	**851**	**0.80**	**3.0**	**9,946**	**2,116.7**

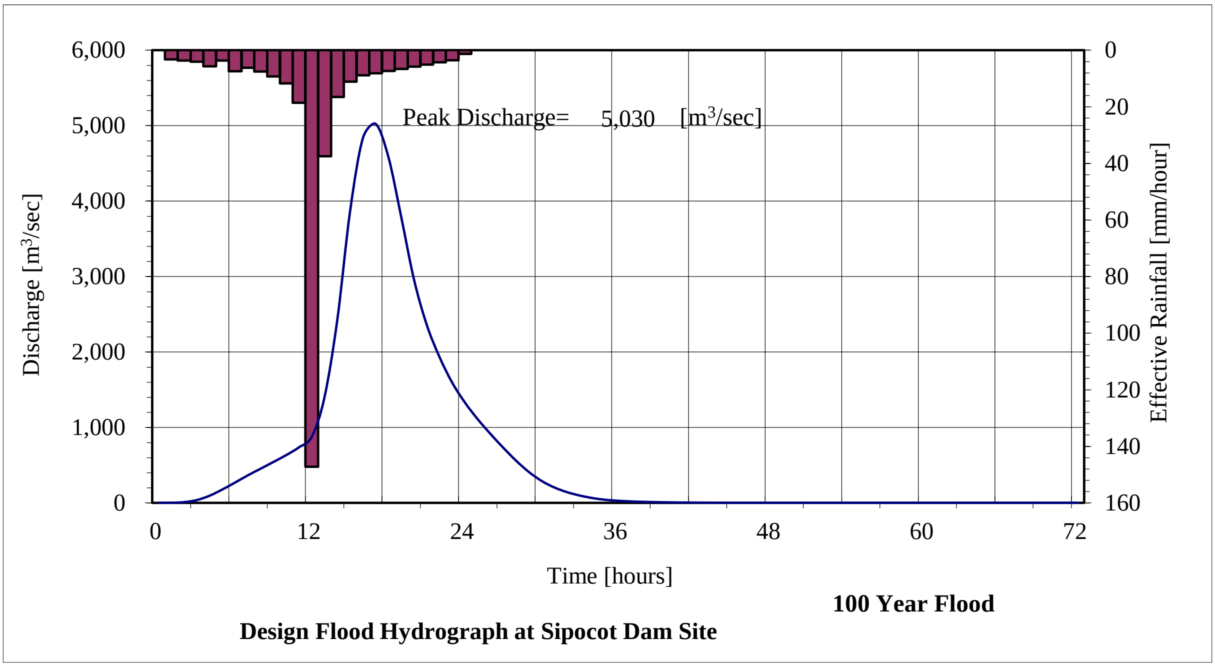
ARF by WMO-No.1045 (2009)

Design Flood at Proposed Dam Site at Sipokot (Luzon)

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	195.0	90.5%	**176.5**	0.800	3.0	**2,065**	440
24 hr	5	270.0	90.5%	**244.4**	0.800	3.0	**2,858**	608
24 hr	10	319.6	90.5%	**289.2**	0.800	3.0	**3,382**	720
24 hr	20	367.2	90.5%	**332.3**	0.800	3.0	**3,885**	827
24 hr	50	428.8	90.5%	**388.1**	0.800	3.0	**4,537**	966
24 hr	100	475.0	90.5%	**429.9**	0.800	3.0	**5,030**	1,071
24 hr	200	521.0	90.5%	**471.5**	0.800	3.0	**5,510**	1,173
24 hr	1000	627.6	90.5%	**568.0**	0.800	3.0	**6,640**	1,413
24 hr	10000	779.9	90.5%	**705.8**	0.800	3.0	**8,250**	1,756

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-548 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Sipocot Dam Site (1/100-years Return Period)

Table D-350 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Lake Buhi Regulation Site

Maximum length of travel of water [km]=	**13.1**
Difference in elevation between the remote point in the basin and the outlet [m]=	**268**
C.A.[km^2] =	**75.3**

PMF at Lake Buhi (Luzon)

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**880**	**96.9%**	**853**	**0.80**	**3.0**	**3,267**	**4,337.3**

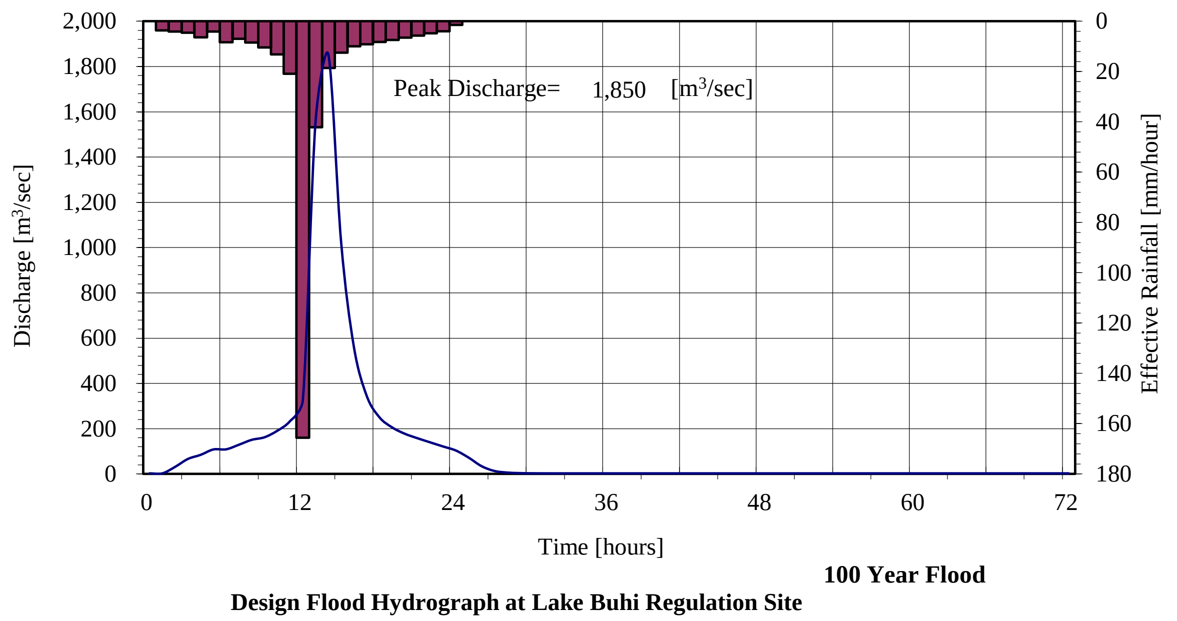
ARF by WMO-No.1045 (2009)

Design Flood at at Lake Buhi (Luzon)

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	184.3	96.9%	**178.6**	0.800	3.0	**686**	911
24 hr	5	255.1	96.9%	**247.2**	0.800	3.0	**949**	1,260
24 hr	10	307.4	96.9%	**297.9**	0.800	3.0	**1,143**	1,517
24 hr	20	361.6	96.9%	**350.4**	0.800	3.0	**1,344**	1,784
24 hr	50	437.8	96.9%	**424.2**	0.800	3.0	**1,626**	2,159
24 hr	100	499.1	96.9%	**483.6**	0.800	3.0	**1,850**	2,457
24 hr	200	563.9	96.9%	**546.4**	0.800	3.0	**2,090**	2,775
24 hr	1000	727.9	96.9%	**705.3**	0.800	3.0	**2,700**	3,585
24 hr	10000	995.8	96.9%	**964.9**	0.800	3.0	**3,690**	4,900

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-549 Design Flood Hydrograph by SCS Unit Hydrograph Method at Lake Buhi Regulation Site (1/100-years Return Period)

Table D-351 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Lanang Dam Site

Maximum length of travel of water [km]= **13.4**

Difference in elevation between the remote point in the basin and the outlet [m]= **206**

PMF at Proposed Dam Site at Lanang (Masbate) C.A.[km^2] = **51.6**

Duration of Rainfall [hours]	Return Period (Year)	24hr Point Rainfall [mm]	Areal Reduction Factor [%]	24hr Basin Rainfall [mm]	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	PMF Peak Discharge [m^3/sec]	PMF Specific yield [m^3/sec/100km^2]
24 hr	**PMP**	**830**	**98.2%**	**815**	**0.80**	**3.0**	**2,073**	**4,016.9**

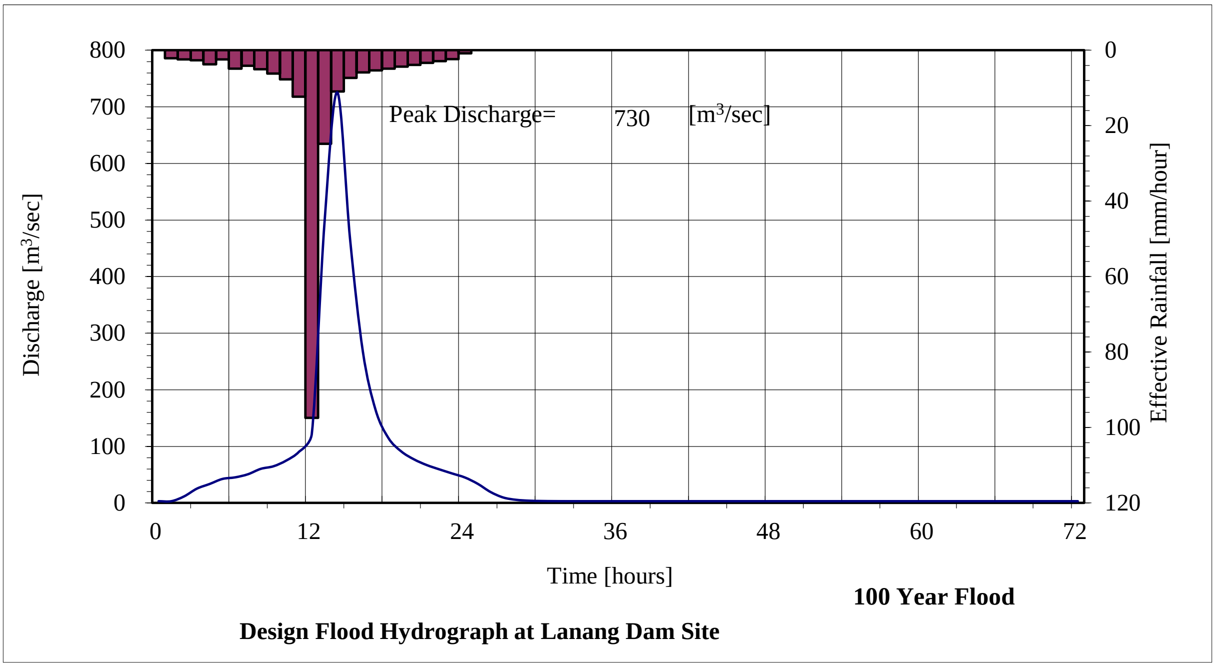
ARF by WMO-No.1045 (2009)

Design Flood at Proposed Dam Site at Lanang (Masbate)

Duration of Rainfall [hours]	Return Period (Year)	24hr Basin Rainfall R_{24} (mm)	Areal Reduction Factor [%]	24hr Basin Rainfall R_{24} (mm)	Direct Runoff Coefficient (assumed)	Base flow (assumed) [m^3/sec]	Flood Peak Discharge [m^3/sec]	Flood Specific yield [m^3/sec/100km^2]
24 hr	2	152.7	98.2%	**150.0**	0.800	3.0	**384**	744
24 hr	5	202.6	98.2%	**199.0**	0.800	3.0	**508**	985
24 hr	10	229.4	98.2%	**225.3**	0.800	3.0	**575**	1,115
24 hr	20	251.3	98.2%	**246.8**	0.800	3.0	**630**	1,220
24 hr	50	275.0	98.2%	**270.1**	0.800	3.0	**689**	1,335
24 hr	100	289.8	98.2%	**284.6**	0.800	3.0	**730**	1,415
24 hr	200	302.6	98.2%	**297.2**	0.800	3.0	**760**	1,473
24 hr	1000	326.0	98.2%	**320.1**	0.800	3.0	**820**	1,589
24 hr	10000	348.4	98.2%	**342.1**	0.800	3.0	**870**	1,686

ARF by WMO-No.1045 (2009)

Source: JICA Survey Team



Source: JICA Survey Team

Figure D-550 Design Flood Hydrograph by SCS Unit Hydrograph Method at Proposed Lanang Dam Site (1/100-years Return Period)

13.4 Summary of Estimated Design Flood Peak Discharge

13.4.1 Summary of Estimated Flood Peak Discharge

The peak flood discharges estimated by using SCS Unit Hydrograph method are shown in Table below.

Table D-352 Summary of Estimated Flood Peak Discharge by SCS Unit Hydrograph at Proposed Dam Sites

Dam	WRR	Island	Catchment Area	River Length	Elevation diff.	PAGASA Rainfall Station	Probability Distribution	PMP (rounded)	PMF Peak Discharge	100-Yr Design Flood Discharge	100-Yr Design Flood Discharge
			[km^2]	[km]	[m]			[mm]	[m^3/sec]	[m^3/sec]	[m^3/sec/km^2]
Lanang	WRR-5	Masbate	51.63	13.38	206	Masbate	LP3Rs	830	2,073	730	14.1
Sipokot	WRR-5	Luzon	469.87	44.78	551	Daet	Gumbel	940	9,946	5,030	10.7
Lake Buhi	WRR-5	Luzon	75.31	13.12	268	Legazpi	SqrtEt	880	3,267	1,850	24.6
Mananga-II	WRR-7	Cebu	67.99	14.23	259	Mactan	SqrtEt	620	2,058	850	12.5
Kotkot	WRR-7	Cebu	19.04	5.12	137	Mactan	SqrtEt	660	758	300	15.8
Languyon	WRR-7	Cebu	52.53	13.42	171	Mactan	SqrtEt	630	1,600	650	12.4
Inabanga	WRR-7	Bohol	543.8	55.26	500	Tagbilaran	LP3Rs	640	6,364	2,360	4.3
Davao-II	WRR-11	Mindanao	814.04	77.62	794	Davao City	Gumbel	430	5,330	2,510	3.1
Davao-III	WRR-11	Mindanao	151.11	25.72	520	Davao City	Gumbel	500	2,699	1,100	7.3

Source: JICA Survey Team

13.4.2 Creager's Curve of Estimated Flood Peak Discharge

The peak flood discharges estimated above are plotted to see the distribution on the Creager's Curve, which gives a comprehensive range of the regional characteristics of floods. Meanwhile, the Creager's coefficient is determined from the following equations:

[Creager's Curve]

$$Q_p = 0.503 \times \mathrm{C} \times \left(\frac{\mathrm{A}}{2.59}\right)^{\mathrm{a}}$$

$$\mathrm{a} = 0.894 \times \left(\frac{A}{2.59}\right)^{-0.048} -1$$

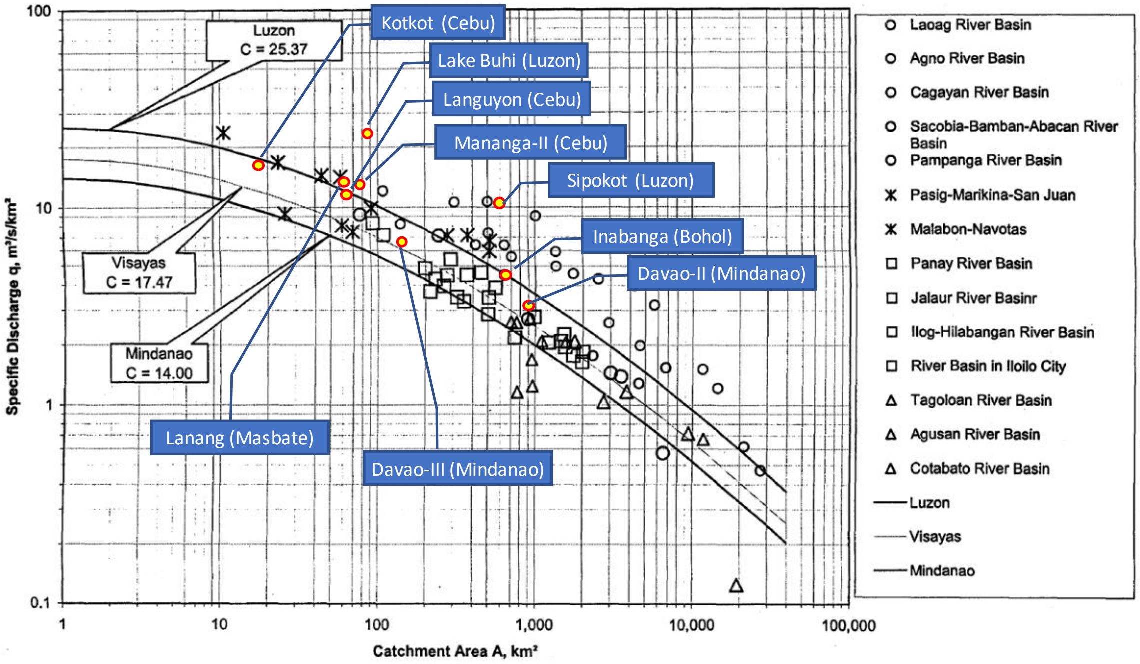
Where, Q_p : Peak discharge [m^3/sec]

C : Creager's coefficient

A: : Catchment area [km^2]

An increase in flood peak discharge diffusion with drainage area effectively means that the peak discharge per unit of drainage area will be inversely related to the drainage area. This factual observation was discovered early by Jarvis and Creager, as quoted in Creager et al. (1945). Despite the passage of time, the Creager curves remain the most comprehensive collection to date of flood peak data vs. drainage area. Diffusion is explicit in the Creager curves; only by diffusion can the reduction of peak discharge [per unit of drainage area] be explained. In which C = a coefficient that varies in the range $30 \leq C \leq 100$. The indicated range of C effectively envelopes most of the data compiled by Creager. The C = 100 value includes all maximum, i.e., infrequent floods, while C = 30 value corresponds to the more frequent floods. While Creager did not estimate flood frequency in his formula, the lower value of C may be loosely associated with 2- to 5-yr return periods, while the higher value of C may be tied to the 50- to 100-yr return periods and higher. The Creager curves are reinterpreted in light of the theory of flood discharge diffusion. Experience shows that greater flood discharge diffusion corresponds with larger drainage areas. Thus, the trend of the Creager curves admirably reflects the flood discharge diffusion that is likely to be present in the real world.

Figure below shows the relationship between peak flood discharge and catchment area estimated for the Project, together with those of other projects in Philippines. It is understood that the estimated floods at the proposed intake site are within a reasonable range as compared with other projects in the region.



Source: DPWH/JICA, “Specific Discharge Curve, Rainfall Intensity Curve, Isohyet of Probable 1-day Rainfall”, March, 2003.

Figure D-551 Creager's Curve for Determining Flood Discharges in Philippines (1/100-year Flood Return Period)

ANNEX D

Databook - Hydrology

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CHAPTER 1 SUB-BASIN-WISE WATER DEMAND ESTIMATION FOR DETAILED PRIORITY WRRS

1.1 WRR-VII (Central Visayas)

1.1.1 Irrigation Water Demand

(1) Area [km^2] of Sub-Basin in Municipality

Table DBH-1 Area [km^2] of Sub-Basin in Municipality [WRR-VII] (1/6)

Polygon ID	Sub=Basin	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol
		Albuquerque	Alicia	Anda	Antequera	Baclayon	Balilihan	Batuan	Bien Unido	Bilar	Buenavista	Calape	Candijay	Carmen-Bohol	Catigbian	Clarin	Corella	Cortes	Dagohoy	Danao	Dauis	Dimiao	Duero	Garcia Hernandez	Guindulman	Inabanga	Jagna	Jetafe	Lila	Loay	Loboc	Loon	Mabini	Maribojoc	Panglao	Pilar	Sagbayan	San Isidro	San Miguel	Sevilla	Sierra Bullones	Sikatuna	Tagbilaran City	Talibon	Trinidad	Tubigon	Ubay	Valencia-Bohol
0	C0																																															
1	C1																																															
2	C2																																															
3	C3																																															
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169	C169																																															
170	C170																																															
175	C175																																															
177	C177																																															
180	C180																																															
181	C181																																															
194	C194																											4.16																36.88				
196	C196																																															
197	C197																																															
199	C199																																															
202	C202																																															
204	C204										10.57																	11.33																				
205	C205																																															
208	C208																																															
210	C210								0.02																														0.08						20.92		15.26	
211	C211																																															
216	C216								1.90																																			6.76	23.28			
221	C221																																															
223	C223																																															
226	C226																																															
227	C227										50.17									1.84						33.09																						
229	C229																																															
231	C231																																														45.98	
240	C240																																															
243	C243																																															
247	C247																																														29.54	
250	C250																																															
251	C251																																															
256	C256																																															
261	C261		0.84																0.02	2.74																8.83			104.55						57.36		17.42	
262	C262																																															
271	C271															0.26										11.41																						
272	C272																																															
274	C274																																														32.05	
279	C279																																															
283	C283																																															
284	C284																																															
285	C285																																															
292	C292															38.95										5.22											11.65									28.26		
297	C297																		12.69	2.55																			0.76									
298	C298																																															
303	C303																																															
305	C305																																															
307	C307																																															
309	C309		0.02																														25.58														10.66	
312	C312		91.29																														0.87			1.99			0.16								42.50	
314	C314																		3.32																				3.47									
315	C315																		0.72																	3.16			3.99									
318	C318																																															
319	C319																																															
320	C320													14.01						22.27						0.01											14.60											
325	C325											24.45																										1.95								7.76		
326	C326		19.64										29.41																				29.39															
328	C328																																															
329	C329																																															
331	C331		0.08																																	5.37												
333	C333							3.04						36.94						0.06																	8.32											
334	C334																																															
335	C335																																			5.58												
336	C336																																															
337	C337		2.67																																	12.86												
338	C338																																															
346	C346																																															
351	C351											22.16																				6.71																
355	C355																																															
356	C356																																															
358	C358				0.06		8.26					1.05			29.50	9.87																					24.26	43.94								9.89		
362	C362																						9.03				3.12									45.06					12.74							
363	C363																																															
369	C369																																															
373	C373																																															
375	C375		3.83										12.98										2.24		6.70											11.80												
378	C378																																															
381	C381			4.83									12.75																																			
384	C384																																															
387	C387			1.31									21.89												1.56																							
388	C388																																															
389	C389																															27.63																
395	C395				4.68							4.38																				20.56		2.15														
396	C396																																															
402	C402																																															
403	C403																																															
408	C408																																															
410	C410			0.42									7.51												48.12																							
414	C414																																															
423	C423																						12.74		6.13																							
427	C427																																															
429	C429				18.05		20.40								1.63			0.39																				2.85										
438	C438																						19.69		4.30																							
444	C444																																															
448	C448																																															
450	C450						55.51										3.02	5.90																						9.37		8.28						
456	C456			32.13																					6.04																							
458	C458																																															
464	C464																																															
465	C465																																															
469	C469																																															
470	C470																																															
479	C479																																															
480	C480																						15.01																									
486	C486																																															
488	C488																							6.71			22.08																					
491	C491	0.32			2.26	1.02	0.06										25.86	21.38																10.91								0.72						
499	C499																					8.11		2.88																								53.71
502	C502					12.07											11.24	2.27																									17.19					
512	C512																										11.01																					
514	C514																																															
516	C516																																															
524	C524																																															
526	C526																																															
527	C527																																															
531	C531																																															
534	C534																							17.01																								3.48
536	C536	0.06								2.07																				9.43	48.19									22.13		1.47						
539	C539																												0.41	4.35	3.56																	
540	C540																																															
542	C542																				1.14														10.21													
543	C543																				8.34														0.45													
544	C544																																															
552	C552																																															
554	C554																																															
556	C556																																		12.04													
557	C557																																															
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592	C592																																															
595	C595																																															
598	C598																																															

Source: JICA Survey Team

Table DBH-2 Area [km^2] of Sub-Basin in Municipality [WRR-VII] (2/6)

Polygon ID	Sub=Basin	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol	Bohol
		Albuquerque	Alicia	Anda	Antequera	Baclayon	Balilihan	Batuan	Bien Unido	Bilar	Buenavista	Calape	Candijay	Carmen-Bohol	Catigbian	Clarin	Corella	Cortes	Dagohoy	Danao	Dauis	Dimiao	Duero	Garcia Hernand	Guindulman	Inabanga	Jagna	Jetafe	Lila	Loay	Loboc	Loon	Mabini	Maribojoc	Panglao	Pilar	Sagbayan	San Isidro	San Migue	Sevilla	Sierra Bullone	Sikatuna	Tagbilaran City	Talibon	Trinidad	Tubigon	Ubay	Valencia-Bohol
601	C601																																															
603	C603																																															
604	C604																																															
610	C610																																															
620	C620																																															
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626	C626																																															
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630	C630																																															
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740	C740																																															
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749	C749																																															
756	C756																										15.08																					
757	C757																																															
759	C759																						8.21				15.56																					
761	C761																																															
764	C764																																															
767	C767				1.78																											0.04		17.86														
769	C769																																															
787	C787																																															
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790	C790																																															
806	C806																																															
809	C809																																															
814	C814																																															
817	C817						39.29	64.81		134.59				17.91	53.29							13.45		2.31							0.45						18.57			34.94	0.64							22.30
818	C818																																															
820	C820																																															
821	C821																																															
827	C827																																															
829	C829																																			0.08												
835	C835																																															
836	C836																								10.14																							
840	C840																		3.19																	7.59			0.45									
846	C846																																															
847	C847													0.12										1.39			11.79									2.04					53.29							
851	C851																																															
856	C856																																															
863	C863																											0.43																31.19	4.95			
864	C864																																															
865	C865																																															
866	C866																																															
873	C873																																															
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880	C880																																															
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884	C884																																															
887	C887																																															
888	C888																																															
893	C893									1.33												27.54							12.31		0.57																	0.40
896	C896																							35.58			1.31														0.08							4.77
898	C898	17.82				1.03																								5.68	0.48									1.97		11.42						
907	C907																																															
909	C909																																															
912	C912																																															
914	C914																																															
916	C916																																															
917	C917													40.08					12.95																						8.13							
918	C918																						1.06				4.74																					
920	C920																																															
925	C925																																															
929	C929																																															
934	C934																																															
935	C935																																											14.52				
938	C938																																															
940	C940																																															
943	C943																																															
945	C945																																															
948	C948																																															
950	C950																																															
955	C955																		5.41																													
956	C956																							18.35			4.60																					
959	C959																																															
960	C960																																															
962	C962																																															
963	C963																																															
970	C970																																				0.01											
975	C975																																															
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990	C990																																															
992	C992																																															
996	C996																																															
998	C998													78.61																											4.15							
999	C999																																															
1000	C1000																		5.54																													
1005	C1005				27.74							8.30						0.14														0.29		2.84				11.22										
1008	C1008																																															
1014	C1014																																															
1020	C1020																																															
1023	C1023										1.92																	46.81																5.12				
1025	C1025																																															
1027	C1027																																															
1028	C1028										0.18																																					
1032	C1032																																															
1035	C1035																																															
1036	C1036										0.04																																					
1041	C1041																																															
1043	C1043																																															
1047	C1047																																															
1048	C1048																																															
1056	C1056																																															
1060	C1060							22.46						32.39										0.13																	1.15							0.11
1063	C1063																																															
1068	C1068																																															
1070	C1070																																															
1072	C1072																																															
1075	C1075																																															
1079	C1079																																															
1084	C1084																																															
1089	C1089																																															
1095	C1095																		10.95																	17.10					5.77							
1096	C1096																																															
1098	C1098																																															
1107	C1107																		1.67																													
1108	C1108																																															
1110	C1110																		0.00																													
1111	C1111																		0.04																													
1120	C1120																																															
1128	C1128																																															
1131	C1131																																															
1132	C1132																																															
1136	C1136																																															
1140	C1140																																															
1144	C1144																																	0.05														
1147	C1147										34.78			1.43					17.45	98.59								1.03											1.12					9.48	8.67			
1152	C1152																																															
1158	C1158																																															
1160	C1160																			16.55						5.24											0.01											
1163	C1163																																															
1169	C1169																									16.79											16.72											
1173	C1173																									18.93																						
1175	C1175																													0.33																		
	TOTAL	18.20	118.37	38.69	54.56	14.12	123.52	90.31	1.92	137.99	97.65	60.33	84.54	221.49	84.42	49.09	40.12	30.08	73.93	144.58	9.48	49.10	67.97	84.37	83.00	90.68	89.29	63.75	12.73	19.79	53.25	55.23	55.84	33.81	22.70	121.45	94.12	59.97	114.57	68.41	85.95	21.89	17.19	103.93	115.17	45.91	193.41	84.78

Source: JICA Survey Team

Table DBH-3 Area [km^2] of Sub-Basin in Municipality [WRR-VII] (3/6)

Polygon ID	Sub=Basin	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu
		Alcantara	Alcoy	Alegria	Aloguinsan	Argao	Asturias	Badian	Balamban	Bantayan	Barili	Bogo City	Boljoon	Borbon	Carcar	Carmen-Cebu	Catmon	Cebu City	Compostela	Consolacion	Daanbantayan	Dalaguete	Danao City	Danao Lake	Dumanjug	Ginatilan	Lapu-Lapu City	Liloan	Madridejos	Malabuyoc	Mandaue City	Medellin	Minglanilla	Moalboal	Naga City	Oslob	Pinamungahan	Poro	Ronda	Samboan	San Fernando	San Francisco	San Remigio	Santa Fe	Santander	Sibonga	Sogod	Tabogon	Tabuelan	Talisay City	Toledo City	Tuburan	Tudela
0	C0																				10.76																																
1	C1									9.75																			1.82																								
2	C2									7.31																																											
3	C3									7.67																																											
4	C4																				7.96																																
5	C5									5.64																																											
6	C6																				19.62											1.75																					
7	C7									1.66																																		8.66									
8	C8									9.38																																		2.58									
12	C12											2.29																				3.18											0.90										
14	C14											4.41																															13.91										
15	C15											9.08																																									
17	C17											17.20																																				3.03					
20	C20																																															18.68					
21	C21											5.21																															9.91					14.13					
22	C22																																															11.58					
23	C23													0.20																													28.00					2.75	2.70				
27	C27													1.54																																		10.13					
30	C30													13.71																																		5.15					
31	C31													7.68																																		0.01	8.40				
32	C32																																																13.86				
34	C34													19.25																																		0.83					
36	C36													5.16																																							
37	C37																																																28.07			0.31	
42	C42													1.18																																	10.24						
45	C45																																																			14.63	
46	C46																																														26.77					5.14	
48	C48																																																			15.17	
49	C49																																																			10.20	
50	C50																																																			19.80	
51	C51																																														2.85					30.30	
52	C52						0.00									1.71	38.49																																				
53	C53																																					8.76															1.43
54	C54						18.60																																													21.37	
55	C55																							0.52																		5.43											
56	C56																																																				6.80
57	C57						4.14										9.08																														7.17					2.90	
58	C58																							4.92																		27.69											
61	C61																																					13.38															
62	C62						21.66																																													11.70	
63	C63						0.52																																													4.73	
67	C67																																									13.40											
68	C68																																																				5.65
69	C69						9.89																																													17.71	
72	C72															0.04	27.94																																				
77	C77						3.07									37.18	1.95						8.45																														
79	C79						18.40																																														
81	C81															6.06							17.48																														
82	C82						19.05																0.08																														
84	C84						16.98		15.86																																												
88	C88																						40.97																														
91	C91																		0.88				16.27																														
92	C92																						5.57																														
93	C93						0.21		23.39																																												
95	C95								5.18																																												
97	C97																	36.50	13.82				1.75					1.65																									
99	C99								46.81																																												
101	C101																		16.65				10.29																														
103	C103								32.59																																												
107	C107								17.61									4.83																																			
108	C108																	34.93																																			
109	C109								21.79																																										7.94		
110	C110																	11.73																																			
114	C114																																																		6.25		
116	C116																	2.75		12.51								11.89																									
120	C120																	11.50																																			
121	C121								0.07																																										15.50		
122	C122																	12.49																																			
126	C126																	0.08		4.59											6.88																						
127	C127																	14.96		0.01											0.38																						
128	C128																	8.66																																			
129	C129																	6.87																																			
131	C131																																																		16.83		
132	C132																																																				
139	C139																	8.62													4.58																						
140	C140																																				3.59														9.69		
141	C141																	5.38																																			
142	C142																																																				
145	C145																	47.53																																			
148	C148																	9.67																																3.48			
149	C149																																																				
150	C150																										9.37																										
151	C151																																				8.82																
153	C153																																		45.55																1.84		
154	C154																																10.50		16.10																		
155	C155																																16.80																	14.00			
161	C161																																		7.29		29.75														19.37		
162	C162																																																				
164	C164																																																				
165	C165				0.19																																35.85				0.10												
166	C166				5.18																																11.67																
169	C169																																																				
170	C170				1.28										17.06																				2.68		2.84				32.52												
175	C175																																																				
177	C177																																																				
180	C180																																		11.74						20.08												
181	C181				28.43						4.21				0.52																						0.00				0.16												
194	C194																																																				
196	C196										6.52																																										
197	C197																																																				
199	C199				0.09						6.81				24.78																																						
202	C202														4.23																										10.82												
204	C204																																																				
205	C205																																																				
208	C208										0.32				16.94																															1.56							
210	C210																																																				
211	C211										37.93																																			6.82							
216	C216																																																				
221	C221														1.17																															14.96							
223	C223																																																				
226	C226										1.36														11.00																												
227	C227																																																				
229	C229										6.84														10.87																					2.01							
231	C231																																																				
240	C240																								8.10														0.17														
243	C243																																													20.59							
247	C247																																																				
250	C250																																																				
251	C251	0.56																							6.16														18.18														
256	C256																																																				
261	C261																																																				
262	C262																																																				
271	C271																																																				
272	C272																																																				
274	C274																																																				
279	C279																																																				
283	C283	3.16				12.30																			20.05									0.05					5.40							23.16							
284	C284					17.45																																								15.84							
285	C285	15.93				0.63																												4.65					6.86														
292	C292																																																				
297	C297																																																				
298	C298	1.47																																11.84																			
303	C303					32.39																																								3.66							
305	C305					0.00																												19.66																			
307	C307					13.92																																															
309	C309																																																				
312	C312																																																				
314	C314																																																				
315	C315																																																				
318	C318							0.34																										15.76																			
319	C319																																																				
320	C320																																																				
325	C325																																																				
326	C326																																																				
328	C328					13.94																																															
329	C329																																																				
331	C331																																																				
333	C333																																																				
334	C334							8.25																										3.35																			
335	C335																																																				
336	C336					29.24																																															
337	C337																																																				
338	C338																																																				
346	C346							11.74																																													
351	C351																																																				
355	C355					23.84																0.36																															
356	C356																																																				
358	C358																																																				
362	C362																																																				
363	C363							24.24																																													
369	C369					17.35		8.73														15.72												2.14																			
373	C373																																																				
375	C375																																																				
378	C378			7.72				21.93														1.10																															
381	C381																																																				
384	C384		0.80					3.23														31.33																															
387	C387																																																				
388	C388																																																				
389	C389																																																				
395	C395																																																				
396	C396																																																				
402	C402					0.77																32.85																															
403	C403																																																				
408	C408																																																				
410	C410																																																				
414	C414			5.34																																																	
423	C423																																																				
427	C427																																																				
429	C429																																																				
438	C438																																																				
444	C444		10.40																			9.26																															
448	C448		18.11	8.62									2.23									0.16				2.45				27.67																							
450	C450																																																				
456	C456																																																				
458	C458																																																				
464	C464																																																				
465	C465			8.25																										12.42																							
469	C469																																																				
470	C470																																																				
479	C479		2.29	32.82				0.01														2.13								2.46																							
480	C480																																																				
486	C486		21.84										0.29																																								
488	C488																																																				
491	C491																																																				
499	C499																																																				
502	C502																																																				
512	C512																																																				
514	C514																									2.01				20.06																							
516	C516																																																				
524	C524																																																				
526	C526												9.68													0.06				5.00																							
527	C527		0.21										20.31																																								
531	C531																																																				
534	C534																																																				
536	C536																																																				
539	C539																																																				
540	C540																									15.20				0.08																							
542	C542																																																				
543	C543																																																				
544	C544																																																				
552	C552																																																				
554	C554												4.11																							12.69																	
556	C556																																																				
557	C557																																																				
558	C558																																																				
561	C561																									23.47										0.02				11.14													
562	C562																																																				
565	C565																																																				
568	C568												0.14													2.93				0.03						22.89				0.13													
577	C577																																																				
579	C579																																																				
582	C582																																																				
584	C584																																			0.01				5.72													
592	C592																																																				
595	C595																																																				
598	C598																																																				

Source: JICA Survey Team

Table DBH-4 Area [km^2] of Sub-Basin in Municipality [WRR-VII] (4/6)

Polygon ID	Sub=Basin	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu	Cebu
		Alcantara	Alcoy	Alegria	Aloguinsan	Argao	Asturias	Badian	Balamban	Bantayan	Barili	Bogo City	Boljoon	Borbon	Carcar	Carmen-Cebu	Catmon	Cebu City	Compostela	Consolacion	Daanbantayan	Dalaguete	Danao City	Danao Lake	Dumanjug	Ginatilan	Lapu-Lapu City	Liloan	Madridejos	Malabuyoc	Mandaue City	Medellin	Minglanilla	Moalboal	Naga City	Oslob	Pinamungahan	Poro	Ronda	Samboan	San Fernand	San Francisc	San Remigi	Santa Fe	Santander	Sibonga	Sogod	Tabogon	Tabuelan	Talisay City	Toledo City	Tuburan	Tudela
601	C601																																																				
603	C603																																			15.43				2.62					0.13								
604	C604																																							5.48					0.14								
610	C610																																																				
620	C620																																																				
624	C624																																																				
626	C626																																																				
627	C627																																			0.43				0.23					11.08								
630	C630																																																				
636	C636																																																				
640	C640																																																				
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718	C718																																																				
720	C720																																																				
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730	C730																																																				
732	C732																																																				
737	C737																																																				
739	C739																																																				
740	C740																																																				
748	C748																																																				
749	C749																																																				
756	C756																																																				
757	C757						27.14																																														
759	C759																																																				
761	C761																																																				
764	C764																																															13.91					
767	C767																																																				
769	C769																																																				
787	C787				0.05						26.72																																										
788	C788																																																				
790	C790																																													3.11							
806	C806																																																3.14			18.19	
809	C809																	5.95															8.81																		15.24		
814	C814							0.66																																													
817	C817																																																				
818	C818												27.14																							2.27																	
820	C820													5.46																																							
821	C821																	0.95																																			
827	C827																					0.04																															
829	C829																																																				
835	C835								17.59									5.79																																	12.53		
836	C836																																																				
840	C840																																																				
846	C846																																																				
847	C847																																																				
851	C851																																																				
856	C856																					0.29																															
863	C863																																																				
864	C864																	0.27																																			
865	C865				26.54						0.39																																										
866	C866																																																				
873	C873																																																				
875	C875																	17.91															0.67																	3.13			
876	C876																																																				
880	C880													18.38																																	12.60		8.72			1.74	
881	C881																																			11.35																	
884	C884																																																		3.84		
887	C887			15.99				0.17																																													
888	C888																																																				
893	C893																																																				
896	C896																																																				
898	C898																																																				
907	C907						29.11									3.31	0.08																																			10.71	
909	C909																				0.26											27.11																					
912	C912																																													6.85							
914	C914																																																				
916	C916																																										0.29										
917	C917																																																				
918	C918																																																				
920	C920																																																				
925	C925																																																				
929	C929																																																				
934	C934																																																				
935	C935																																																				
938	C938																																																				
940	C940																																																				
943	C943																																																				
945	C945										21.66																				0.91											4.90					0.04					
948	C948																																																				
950	C950																																																				
955	C955																																																				
956	C956																																																				
959	C959									10.61																																											
960	C960																																																				
962	C962																	1.38															7.80		1.53																32.96		
963	C963																																																				
970	C970																																																				
975	C975						27.31																																														
977	C977																								8.83																												
981	C981																																						1.65														
983	C983																	10.76																																0.29			
985	C985																																																				
988	C988																																																		16.39		
989	C989																					2.83																															
990	C990																			8.25								10.35			0.65																						
992	C992																																																			22.50	
996	C996																																																				
998	C998																																																				
999	C999																																				8.36														2.22		
1000	C1000																																																				
1005	C1005																																																				
1008	C1008																	3.26													9.92																						
1014	C1014																																																				
1020	C1020																																																			10.92	
1023	C1023																																																				
1025	C1025														6.37																																						
1027	C1027																	0.85																																16.52			
1028	C1028																																																				
1032	C1032																								5.52																												
1035	C1035																	1.07	11.13				0.18					17.87																									
1036	C1036																																																				
1041	C1041																																																				
1043	C1043																																																0.07				
1047	C1047																																																				
1048	C1048																																																			1.21	
1056	C1056																																																		29.85		
1060	C1060																																																				
1063	C1063																						14.78																														
1068	C1068																																																				
1070	C1070																																																				
1072	C1072																																																				
1075	C1075																																																				
1079	C1079						7.06																																														
1084	C1084																																																				
1089	C1089																																																		4.34		
1095	C1095																																																				
1096	C1096																																																				
1098	C1098																																																				
1107	C1107																																																				
1108	C1108																																																				
1110	C1110																																																				
1111	C1111																																																				
1120	C1120						18.56		40.61									15.12	2.65				13.10																														
1128	C1128																																																				
1131	C1131																																																				
1132	C1132																																																				
1136	C1136																																																				
1140	C1140																																																				
1144	C1144																																																				
1147	C1147																																																				
1152	C1152						5.78		2.68																																												
1158	C1158																																																				
1160	C1160																																																				
1163	C1163																																																				
1169	C1169																																																				
1173	C1173																																																				
1175	C1175																																																				
	TOTAL	21.11	53.65	78.74	61.76	161.83	227.46	79.28	224.17	41.41	101.69	59.86	63.90	72.55	71.07	48.29	77.54	279.78	45.11	25.36	38.60	96.06	128.92	5.43	70.51	46.11	9.37	41.77	1.82	67.72	22.42	32.95	44.57	57.45	84.89	65.09	100.88	22.15	32.26	25.33	63.68	46.52	57.93	11.25	11.35	98.54	59.62	80.25	64.96	37.42	194.79	219.23	13.88

Source: JICA Survey Team

Table DBH-5 Area [km^2] of Sub-Basin in Municipality [WRR-VII] (5/6)

Polygon ID	Sub=Basin	Negros Occidental	Negros Occidental	Negros Occidental	Negros Occidental	Negros Occidental	Negros Occidental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Siquijor	Siquijor	Siquijor	Siquijor	Siquijor	Siquijor	TOTAL
		Binalbagan	Candoni	Hinoba-An	Ilog	Kabankalan City	Sipalay City	Amlan	Ayungon	Bacong	Bais City	Basay	Bayawan City	Bindoy	Canlaon City	Dauin	Dumaguete City	Guihulngan City	Jimalalud	La Liberta	Mabinay	Manjuyod	Pamplona	San Jose	Santa Catalin	Siaton	Sibulan	Tanjay City	Tayasan	Valencia-Negros_Oriental	Vallehermoso	Zamboanguita	Enrique Villanue	Larena	Lazi	Maria	San Juan	Siquijor	
0	C0																																						10.76
1	C1																																						11.57
2	C2																																						7.31
3	C3																																						7.67
4	C4																																						7.96
5	C5																																						5.64
6	C6																																						21.37
7	C7																																						10.33
8	C8																																						11.96
12	C12																																						6.37
14	C14																																						18.33
15	C15																																						9.08
17	C17																																						20.23
20	C20																																						18.68
21	C21																																						29.25
22	C22																																						11.58
23	C23																																						33.65
27	C27																																						11.67
30	C30																																						18.86
31	C31																																						16.08
32	C32																																						13.86
34	C34																																						20.08
36	C36																																						5.16
37	C37																																						28.38
42	C42																																						11.42
45	C45																																						14.63
46	C46																																						31.90
48	C48																																						15.17
49	C49																																						10.20
50	C50																																						19.80
51	C51																																						33.14
52	C52																																						40.20
53	C53																																						10.19
54	C54																																						39.97
55	C55																																						5.95
56	C56																																						6.80
57	C57																																						23.28
58	C58																																						32.61
61	C61																																						13.38
62	C62																																						33.36
63	C63																																						5.25
67	C67																																						13.40
68	C68																																						5.65
69	C69																																						27.60
72	C72																																						27.98
77	C77																																						50.65
79	C79																																						18.40
81	C81																																						23.55
82	C82																																						19.13
84	C84																																						32.84
88	C88																																						40.97
91	C91																																						17.15
92	C92																																						5.57
93	C93																																						23.59
95	C95																																						5.18
97	C97																																						53.72
99	C99																																						46.81
101	C101																																						26.93
103	C103																																						32.59
107	C107																																						22.44
108	C108																																						34.93
109	C109																																						29.73
110	C110																																						11.73
114	C114																																						6.25
116	C116																																						27.15
120	C120																																						11.50
121	C121																																						15.57
122	C122																																						12.49
126	C126																																						11.55
127	C127																																						15.35
128	C128																																						8.66
129	C129																																						6.87
131	C131																																						16.83
132	C132																														17.17								17.17
139	C139																																						13.20
140	C140																																						13.27
141	C141																																						5.38
142	C142																														15.84								15.84
145	C145																																						47.53
148	C148																																						13.15
149	C149														1.85																32.09								33.94
150	C150																																						9.37
151	C151																																						8.82
153	C153																																						47.39
154	C154																																						26.61
155	C155																																						30.80
161	C161																																						56.41
162	C162														0.63			20.09													11.50								32.23
164	C164																	14.86																					14.86
165	C165																																						36.14
166	C166																																						16.85
169	C169																	21.30																					21.30
170	C170																																						56.37
175	C175																	20.02																					20.02
177	C177																	60.50																					60.50
180	C180																																						31.82
181	C181																																						33.32
194	C194																																						41.03
196	C196																																						6.52
197	C197																	17.12																					17.12
199	C199																																						31.68
202	C202																																						15.05
204	C204																																						21.90
205	C205																	7.59																					7.59
208	C208																																						18.81
210	C210																																						36.28
211	C211																																						44.75
216	C216																																						31.93
221	C221																																						16.13
223	C223																	4.55		9.47																			14.02
226	C226																																						12.35
227	C227																																						85.10
229	C229																																						19.72
231	C231																																						45.98
240	C240																																						8.27
243	C243																																						20.59
247	C247																																						29.54
250	C250	0.20																13.40	24.23	73.69																			111.51
251	C251																																						24.89
256	C256																		27.08	14.30																			41.39
261	C261																																						191.75
262	C262																		12.07	0.04																			12.11
271	C271																																						11.67
272	C272																		10.49																				10.49
274	C274																																						32.05
279	C279																		7.14										7.19										14.33
283	C283																																						64.12
284	C284																																						33.29
285	C285																																						28.07
292	C292																																						84.08
297	C297																																						16.00
298	C298																																						13.30
303	C303																																						36.04
305	C305																																						19.66
307	C307																																						13.92
309	C309																																						36.26
312	C312																																						136.80
314	C314																																						6.79
315	C315																																						7.87
318	C318																																						16.11
319	C319								1.44																				14.17										15.61
320	C320																																						50.89
325	C325																																						34.16
326	C326																																						78.44
328	C328																																						13.94
329	C329								8.97																				29.81										38.78
331	C331																																						5.44
333	C333																																						48.35
334	C334																																						11.60
335	C335																																						5.58
336	C336																																						29.24
337	C337																																						15.53
338	C338								9.45																				0.69										10.15
346	C346																																						11.74
351	C351																																						28.87
355	C355																																						24.20
356	C356								21.72																														21.72
358	C358																																						126.84
362	C362																																						69.94
363	C363																																						24.24
369	C369																																						43.94
373	C373								19.40					1.83																									21.23
375	C375																																						37.55
378	C378																																						30.75
381	C381																																						17.58
384	C384																																						35.36
387	C387																																						24.76
388	C388								5.17					1.81																									6.97
389	C389																																						27.63
395	C395																																						31.76
396	C396													19.30																									19.30
402	C402																																						33.62
403	C403								0.57					4.67																									5.24
408	C408													9.69																									9.69
410	C410																																						56.05
414	C414																																						5.34
423	C423																																						18.87
427	C427													13.85																									13.85
429	C429																																						43.31
438	C438																																						23.99
444	C444																																						19.66
448	C448																																						59.24
450	C450																																						82.09
456	C456																																						38.17
458	C458													5.21																									5.21
464	C464													0.43								6.91																	7.34
465	C465																																						20.67
469	C469													1.86								3.44																	5.29
470	C470													6.98								3.48																	10.46
479	C479																																						39.70
480	C480																																						15.01
486	C486																																						22.14
488	C488																																						28.79
491	C491																																						62.52
499	C499																																						64.70
502	C502																																						42.77
512	C512																																						11.01
514	C514																																						22.07
516	C516										8.99											3.10																	12.09
524	C524		2.42	60.23																																			62.65
526	C526																																						14.74
527	C527																																						20.52
531	C531		71.37	78.20	0.71																																		150.28
534	C534																																						20.49
536	C536																																						83.35
539	C539																																						8.32
540	C540																																						15.28
542	C542																																						11.35
543	C543																																						8.80
544	C544										19.58																												19.58
552	C552			24.23	2.54																																		26.77
554	C554																																						16.80
556	C556																																						12.04
557	C557			12.43																																			12.43
558	C558										6.71																												6.71
561	C561																																						34.63
562	C562										47.48										0.06							0.02											47.55
565	C565			7.16	4.67							28.03	28.55																										68.41
568	C568																																						26.12
577	C577										22.15												1.64					40.67											64.46
579	C579												80.85															1.29											82.14
582	C582			10.22																																			10.22
584	C584																																						5.73
592	C592							5.46															11.96				4.59	25.97											47.98
595	C595																						6.12					11.42											17.54
598	C598			15.20																																			15.20

Source: JICA Survey Team

Table DBH-6 Area [km^2] of Sub-Basin in Municipality [WRR-VII] (6/6)

Polygon ID	Sub=Basin	Negros Occidental	Negros Occidental	Negros Occidental	Negros Occidental	Negros Occidental	Negros Occidental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Negros Oriental	Siquijor	Siquijor	Siquijor	Siquijor	Siquijor	Siquijor	TOTAL
		Binalbagan	Candoni	Hinoba-An	Ilog	Kabankalan City	Sipalay City	Amlan	Ayungon	Bacong	Bais City	Basay	Bayawan City	Bindoy	Canlaon City	Dauin	Dumaguete City	Guihulngan City	Jimalalud	La Libertad	Mabinay	Manjuyod	Pamplona	San Jose	Santa Catalina	Siaton	Sibulan	Tanjay City	Tayasan	Valencia-Negros_Oriental	Vallehermoso	Zamboanguita	Enrique Villanueva	Larena	Lazi	Maria	San Juan	Siquijor	
601	C601												30.30																										30.30
603	C603																																						18.19
604	C604																																						5.63
610	C610			7.76																																			7.76
620	C620												65.98																										65.98
624	C624											39.59	18.78																										58.37
626	C626										1.82		53.47										59.34		22.21			73.77											210.62
627	C627																																						11.73
630	C630							0.38																26.42															26.80
636	C636												12.48																										12.48
640	C640											31.14																											31.14
644	C644											8.73																											8.73
645	C645												11.05																										11.05
647	C647												0.49										17.01		45.02		1.41												63.94
648	C648																							8.09			17.37												25.46
651	C651												5.74																										5.74
652	C652							15.70																4.85			14.34			0.00									34.89
659	C659																0.90										4.24												5.13
663	C663																							0.06			25.71			0.23									26.00
665	C665																								50.17		3.89			4.70									58.75
666	C666																								15.77		8.19												23.96
667	C667															0.00									1.91		3.75			44.75									50.41
668	C668																4.16										0.01			2.15									6.31
670	C670																								0.27					5.73									6.00
672	C672									0.03							16.12													14.97									31.11
675	C675																													26.18									26.18
679	C679																								17.77														17.77
681	C681																								20.26														20.26
688	C688																								17.75														17.75
689	C689																								25.87														25.87
690	C690																																5.17	3.24					8.40
691	C691																																	6.62					6.62
692	C692									6.63						0.96														13.99									21.58
693	C693																								6.80														6.80
695	C695									5.38						9.66														1.87									16.91
696	C696															4.78									1.88					0.53		19.56							26.74
701	C701																																4.62	4.52		2.41			11.55
703	C703																																	15.63				10.14	25.77
705	C705																								40.81														40.81
707	C707															12.87														0.74		2.66							16.27
712	C712																																	4.80		9.08		0.03	13.91
713	C713																																				4.10	9.17	13.26
718	C718															30.94														0.45									31.40
720	C720																								0.78	39.17													39.94
721	C721																																				5.13	11.01	16.14
722	C722																																	0.79	16.33	5.87		4.98	27.97
723	C723																								3.16	23.47													26.63
725	C725																															13.20							13.20
726	C726															0.64																18.88							19.52
730	C730																																		12.57			13.93	26.50
732	C732																								30.49	14.63													45.12
737	C737																																		0.28	5.56			5.84
739	C739																																		7.13				7.13
740	C740																									0.61						31.72							32.33
748	C748																									9.85													9.85
749	C749																									13.43						15.00							28.43
756	C756																																						15.08
757	C757																																						27.14
759	C759																																						23.76
761	C761																									14.57													14.57
764	C764																																						13.91
767	C767																																						19.68
769	C769			18.30																																			18.30
787	C787																																						26.77
788	C788										9.00											36.25																	45.25
790	C790																																						3.11
806	C806																																						21.33
809	C809																																						30.00
814	C814																																						0.66
817	C817																																						402.55
818	C818																																						29.41
820	C820																																						5.46
821	C821																																						0.95
827	C827																																						0.04
829	C829																																						0.08
835	C835																																						35.91
836	C836																																						10.14
840	C840																																						11.24
846	C846															0.01																4.46							4.46
847	C847																																						68.64
851	C851																		13.96																				13.96
856	C856																																						0.29
863	C863																																						36.56
864	C864																																						0.27
865	C865																																						26.93
866	C866																								29.23														29.23
873	C873													19.54							23.01	11.70																	54.24
875	C875																																						21.71
876	C876																															11.84							11.84
880	C880																																						41.45
881	C881																																						11.35
884	C884																																						3.84
887	C887																																						16.15
888	C888										0.09												13.34					49.59											63.01
893	C893																																						42.16
896	C896																																						41.75
898	C898																																						38.39
907	C907																																						43.21
909	C909																																						27.37
912	C912																																						6.85
914	C914										11.96																												11.96
916	C916																																						0.29
917	C917																																						61.16
918	C918																																						5.80
920	C920												0.85												38.54														39.39
925	C925																								85.54					1.48									87.02
929	C929																					10.85																	10.85
934	C934			30.63			1.16																																31.79
935	C935																																						14.52
938	C938								4.45																														4.45
940	C940																									22.00													22.00
943	C943													0.05																									0.05
945	C945																																						27.52
948	C948													0.02																									0.02
950	C950													27.26								2.57																	29.83
955	C955																																						5.41
956	C956																																						22.95
959	C959																																						10.61
960	C960																4.40										3.60			6.16									14.15
962	C962																																						43.67
963	C963							35.31																				12.07											47.38
970	C970																																						0.01
975	C975																																						27.31
977	C977																																						8.83
981	C981																																						1.65
983	C983																																						11.05
985	C985																								6.39	27.68						15.84							49.91
988	C988																																						16.39
989	C989																																						2.83
990	C990																																						19.25
992	C992																																						22.50
996	C996																0.29										13.53			12.81									26.63
998	C998																																						82.76
999	C999																																						10.58
1000	C1000																																						5.54
1005	C1005																																						50.53
1008	C1008																																						13.18
1014	C1014			56.32								0.00																											56.32
1020	C1020																																						10.92
1023	C1023																																						53.85
1025	C1025																																						6.37
1027	C1027																																						17.37
1028	C1028																																						0.18
1032	C1032																																						5.52
1035	C1035																																						30.25
1036	C1036																																						0.04
1041	C1041		11.50	4.57	42.17	7.65							4.70																										70.60
1043	C1043																																						0.07
1047	C1047	2.76																74.79		2.49																			80.03
1048	C1048																																						1.21
1056	C1056																																						29.85
1060	C1060																																						56.23
1063	C1063																																						14.78
1068	C1068													1.39																									1.39
1070	C1070																									47.57													47.57
1072	C1072																	0.19		21.80																			21.99
1075	C1075				0.62								88.07																										88.68
1079	C1079																																						7.06
1084	C1084																								16.91														16.91
1089	C1089																																						4.34
1095	C1095																																						33.83
1096	C1096																								41.07	27.82													68.88
1098	C1098							0.76															105.85		0.09		55.22	0.92		7.24									170.08
1107	C1107																																						1.67
1108	C1108			9.36								15.88																											25.24
1110	C1110																																						0.00
1111	C1111																																						0.04
1120	C1120																																						90.03
1128	C1128												21.82												7.56														29.38
1131	C1131																									35.23													35.23
1132	C1132			70.01								2.67																											72.68
1136	C1136												1.83												1.33														3.16
1140	C1140												35.07																										35.07
1144	C1144																																						0.05
1147	C1147																																						172.53
1152	C1152																																						8.47
1158	C1158												25.03																										25.03
1160	C1160																																						21.79
1163	C1163												33.67																										33.67
1169	C1169																																						33.50
1173	C1173																																						18.93
1175	C1175																																						0.33
	TOTAL	2.95	85.30	404.63	50.70	7.65	1.16	57.61	71.17	12.04	127.77	126.03	518.72	113.88	2.48	59.86	25.86	254.39	94.96	121.79	23.06	78.29	215.26	39.42	527.57	276.01	155.82	215.71	51.86	143.97	76.61	133.15	9.78	35.60	36.31	22.92	9.23	49.24	11,388.66

Source: JICA Survey Team

(2) Municipality-wise Irrigation Area

Table DBH-7 Municipality-wise Irrigation Area [ha] by NIA Irrigation Inventory in 2020 [WRR-VII]

Irrigation Area (ha), SW, Wet Season
Unit: ha

Municipality	Province			
Name	Bohol	Cebu	Negros Oriental	Siquijor
Albuquerque	0.00	0.00	0.00	0.00
Alicia	597.00	0.00	0.00	0.00
Anda	6.00	0.00	0.00	0.00
Antequera	117.00	0.00	0.00	0.00
Baclayon	0.00	0.00	0.00	0.00
Balilihan	87.00	0.00	0.00	0.00
Batuan	243.00	0.00	0.00	0.00
Bien Unido	0.00	0.00	0.00	0.00
Bilar	962.00	0.00	0.00	0.00
Buenavista	45.00	0.00	0.00	0.00
Calape	132.00	0.00	0.00	0.00
Candijay	1,310.00	0.00	0.00	0.00
Carmen-Bohol	0.00	0.00	0.00	0.00
Catigbian	68.00	0.00	0.00	0.00
Clarin	247.00	0.00	0.00	0.00
Corella	0.00	0.00	0.00	0.00
Cortes	15.00	0.00	0.00	0.00
Dagohoy	1,757.16	0.00	0.00	0.00
Danao	135.00	0.00	0.00	0.00
Dauis	0.00	0.00	0.00	0.00
Dimiao	282.00	0.00	0.00	0.00
Duero	569.00	0.00	0.00	0.00
Garcia Hernandez	404.00	0.00	0.00	0.00
Guindulman	489.50	0.00	0.00	0.00
Inabanga	150.00	0.00	0.00	0.00
Jagna	417.00	0.00	0.00	0.00
Jetafe	0.00	0.00	0.00	0.00
Lila	88.00	0.00	0.00	0.00
Loay	52.00	0.00	0.00	0.00
Loboc	145.00	0.00	0.00	0.00
Loon	0.00	0.00	0.00	0.00
Mabini	192.00	0.00	0.00	0.00
Maribojoc	87.00	0.00	0.00	0.00
Panglao	0.00	0.00	0.00	0.00
Pilar	2,039.74	0.00	0.00	0.00
Sagbayan	25.00	0.00	0.00	0.00
San Isidro	61.00	0.00	0.00	0.00
San Miguel	1,587.50	0.00	0.00	0.00
Sevilla	0.00	0.00	0.00	0.00
Sierra Bullones	549.00	0.00	0.00	0.00
Sikatuna	0.00	0.00	0.00	0.00
Tagbilaran City	0.00	0.00	0.00	0.00
Talibon	640.00	0.00	0.00	0.00
Trinidad	226.00	0.00	0.00	0.00
Tubigon	303.00	0.00	0.00	0.00
Ubay	3,072.58	0.00	0.00	0.00
Valencia-Bohol	0.00	0.00	0.00	0.00
Alcantara	0.00	0.00	0.00	0.00
Alcoy	0.00	0.00	0.00	0.00
Alegria	0.00	114.00	0.00	0.00
Aloguinsan	0.00	15.00	0.00	0.00
Argao	0.00	246.00	0.00	0.00
Asturias	0.00	423.00	0.00	0.00
Badian	0.00	78.00	0.00	0.00
Balamban	0.00	168.00	0.00	0.00
Bantayan	0.00	0.00	0.00	0.00
Barili	0.00	198.00	0.00	0.00
Bogo City	0.00	0.00	0.00	0.00
Boljoon	0.00	15.00	0.00	0.00
Borbon	0.00	0.00	0.00	0.00
Carcar	0.00	0.00	0.00	0.00
Carmen-Cebu	0.00	0.00	0.00	0.00
Catmon	0.00	0.00	0.00	0.00
Cebu City	0.00	152.00	0.00	0.00
Compostela	0.00	0.00	0.00	0.00
Consolacion	0.00	0.00	0.00	0.00
Daanbantayan	0.00	0.00	0.00	0.00
Dalaguete	0.00	190.00	0.00	0.00
Danao City	0.00	0.00	0.00	0.00
Danao Lake	0.00	0.00	0.00	0.00
Dumanjug	0.00	170.00	0.00	0.00
Ginatilan	0.00	0.00	0.00	0.00
Lapu-Lapu City	0.00	0.00	0.00	0.00
Liloan	0.00	0.00	0.00	0.00
Madridejos	0.00	0.00	0.00	0.00
Malabuyoc	0.00	22.00	0.00	0.00
Mandaue City	0.00	0.00	0.00	0.00
Medellin	0.00	0.00	0.00	0.00
Minglanilla	0.00	15.00	0.00	0.00
Moalboal	0.00	174.00	0.00	0.00
Naga City	0.00	89.00	0.00	0.00
Oslob	0.00	10.00	0.00	0.00
Pinamungahan	0.00	0.00	0.00	0.00
Poro	0.00	0.00	0.00	0.00
Ronda	0.00	13.00	0.00	0.00
Samboan	0.00	13.00	0.00	0.00
San Fernando	0.00	72.00	0.00	0.00
San Francisco	0.00	0.00	0.00	0.00
San Remigio	0.00	0.00	0.00	0.00
Santa Fe	0.00	0.00	0.00	0.00
Santander	0.00	0.00	0.00	0.00
Sibonga	0.00	371.00	0.00	0.00
Sogod	0.00	18.00	0.00	0.00
Tabogon	0.00	0.00	0.00	0.00
Tabuelan	0.00	0.00	0.00	0.00
Talisay City	0.00	61.00	0.00	0.00
Toledo City	0.00	90.00	0.00	0.00
Tuburan	0.00	18.00	0.00	0.00
Tudela	0.00	0.00	0.00	0.00
Binalbagan	0.00	0.00	0.00	0.00
Candoni	0.00	0.00	0.00	0.00
Hinoba-An	0.00	0.00	0.00	0.00
Ilog	0.00	0.00	0.00	0.00
Kabankalan City	0.00	0.00	0.00	0.00
Sipalay City	0.00	0.00	0.00	0.00
Amlan	0.00	0.00	50.00	0.00
Ayungon	0.00	0.00	774.00	0.00
Bacong	0.00	0.00	7.00	0.00
Bais City	0.00	0.00	107.00	0.00
Basay	0.00	0.00	123.00	0.00
Bayawan City	0.00	0.00	1,805.50	0.00
Bindoy	0.00	0.00	45.00	0.00
Canlaon City	0.00	0.00	1,070.00	0.00
Dauin	0.00	0.00	950.00	0.00
Dumaguete City	0.00	0.00	10.00	0.00
Guihulngan City	0.00	0.00	0.00	0.00
Jimalalud	0.00	0.00	96.00	0.00
La Libertad	0.00	0.00	355.00	0.00
Mabinay	0.00	0.00	275.00	0.00
Manjuyod	0.00	0.00	25.00	0.00
Pamplona	0.00	0.00	410.00	0.00
San Jose	0.00	0.00	0.00	0.00
Santa Catalina	0.00	0.00	0.00	0.00
Siaton	0.00	0.00	903.00	0.00
Sibulan	0.00	0.00	150.00	0.00
Tanjay City	0.00	0.00	650.00	0.00
Tayasan	0.00	0.00	170.00	0.00
Valencia-Negros_Orien	0.00	0.00	0.00	0.00
Vallehermoso	0.00	0.00	38.00	0.00
Zamboanguita	0.00	0.00	1,150.00	0.00
Enrique Villanueva	0.00	0.00	0.00	10.00
Larena	0.00	0.00	0.00	51.50
Lazi	0.00	0.00	0.00	151.00
Maria	0.00	0.00	0.00	48.00
San Juan	0.00	0.00	0.00	30.00
Siquijor	0.00	0.00	0.00	48.00
Total [ha]	17,100.48	2,735.00	9,163.50	338.50

Province Area [ha]	340,162.00	374,828.20	352,329.10	16,307.40
Paddy Area [%]	5.03%	0.73%	2.60%	2.08%

Irrigation Area (ha), SW, Dry Season
Unit: ha

Municipality	Province			
Name	Bohol	Cebu	Negros Oriental	Siquijor
Albuquerque	0.00	0.00	0.00	0.00
Alicia	571.66	0.00	0.00	0.00
Anda	60.00	0.00	0.00	0.00
Antequera	117.00	0.00	0.00	0.00
Baclayon	0.00	0.00	0.00	0.00
Balilihan	95.00	0.00	0.00	0.00
Batuan	193.00	0.00	0.00	0.00
Bien Unido	0.00	0.00	0.00	0.00
Bilar	891.00	0.00	0.00	0.00
Buenavista	45.00	0.00	0.00	0.00
Calape	167.00	0.00	0.00	0.00
Candijay	1,310.00	0.00	0.00	0.00
Carmen-Bohol	0.00	0.00	0.00	0.00
Catigbian	65.00	0.00	0.00	0.00
Clarin	239.00	0.00	0.00	0.00
Corella	0.00	0.00	0.00	0.00
Cortes	15.00	0.00	0.00	0.00
Dagohoy	1,645.14	0.00	0.00	0.00
Danao	153.00	0.00	0.00	0.00
Dauis	0.00	0.00	0.00	0.00
Dimiao	189.00	0.00	0.00	0.00
Duero	543.00	0.00	0.00	0.00
Garcia Hernandez	400.00	0.00	0.00	0.00
Guindulman	508.00	0.00	0.00	0.00
Inabanga	152.00	0.00	0.00	0.00
Jagna	409.00	0.00	0.00	0.00
Jetafe	0.00	0.00	0.00	0.00
Lila	102.00	0.00	0.00	0.00
Loay	50.00	0.00	0.00	0.00
Loboc	133.00	0.00	0.00	0.00
Loon	0.00	0.00	0.00	0.00
Mabini	182.00	0.00	0.00	0.00
Maribojoc	99.00	0.00	0.00	0.00
Panglao	0.00	0.00	0.00	0.00
Pilar	1,937.74	0.00	0.00	0.00
Sagbayan	18.00	0.00	0.00	0.00
San Isidro	61.00	0.00	0.00	0.00
San Miguel	1,058.56	0.00	0.00	0.00
Sevilla	0.00	0.00	0.00	0.00
Sierra Bullones	542.00	0.00	0.00	0.00
Sikatuna	0.00	0.00	0.00	0.00
Tagbilaran City	0.00	0.00	0.00	0.00
Talibon	472.00	0.00	0.00	0.00
Trinidad	244.00	0.00	0.00	0.00
Tubigon	201.00	0.00	0.00	0.00
Ubay	2,358.17	0.00	0.00	0.00
Valencia-Bohol	0.00	0.00	0.00	0.00
Alcantara	0.00	0.00	0.00	0.00
Alcoy	0.00	0.00	0.00	0.00
Alegria	0.00	40.00	0.00	0.00
Aloguinsan	0.00	15.00	0.00	0.00
Argao	0.00	246.00	0.00	0.00
Asturias	0.00	423.00	0.00	0.00
Badian	0.00	78.00	0.00	0.00
Balamban	0.00	168.00	0.00	0.00
Bantayan	0.00	0.00	0.00	0.00
Barili	0.00	198.00	0.00	0.00
Bogo City	0.00	0.00	0.00	0.00
Boljoon	0.00	15.00	0.00	0.00
Borbon	0.00	0.00	0.00	0.00
Carcar	0.00	0.00	0.00	0.00
Carmen-Cebu	0.00	0.00	0.00	0.00
Catmon	0.00	0.00	0.00	0.00
Cebu City	0.00	152.00	0.00	0.00
Compostela	0.00	0.00	0.00	0.00
Consolacion	0.00	0.00	0.00	0.00
Daanbantayan	0.00	0.00	0.00	0.00
Dalaguete	0.00	185.00	0.00	0.00
Danao City	0.00	0.00	0.00	0.00
Danao Lake	0.00	0.00	0.00	0.00
Dumanjug	0.00	170.00	0.00	0.00
Ginatilan	0.00	0.00	0.00	0.00
Lapu-Lapu City	0.00	0.00	0.00	0.00
Liloan	0.00	0.00	0.00	0.00
Madridejos	0.00	0.00	0.00	0.00
Malabuyoc	0.00	22.00	0.00	0.00
Mandaue City	0.00	0.00	0.00	0.00
Medellin	0.00	0.00	0.00	0.00
Minglanilla	0.00	15.00	0.00	0.00
Moalboal	0.00	174.00	0.00	0.00
Naga City	0.00	77.00	0.00	0.00
Oslob	0.00	10.00	0.00	0.00
Pinamungahan	0.00	0.00	0.00	0.00
Poro	0.00	0.00	0.00	0.00
Ronda	0.00	13.00	0.00	0.00
Samboan	0.00	13.00	0.00	0.00
San Fernando	0.00	72.00	0.00	0.00
San Francisco	0.00	0.00	0.00	0.00
San Remigio	0.00	0.00	0.00	0.00
Santa Fe	0.00	0.00	0.00	0.00
Santander	0.00	0.00	0.00	0.00
Sibonga	0.00	332.00	0.00	0.00
Sogod	0.00	18.00	0.00	0.00
Tabogon	0.00	0.00	0.00	0.00
Tabuelan	0.00	0.00	0.00	0.00
Talisay City	0.00	61.00	0.00	0.00
Toledo City	0.00	90.00	0.00	0.00
Tuburan	0.00	18.00	0.00	0.00
Tudela	0.00	0.00	0.00	0.00
Binalbagan	0.00	0.00	0.00	0.00
Candoni	0.00	0.00	0.00	0.00
Hinoba-An	0.00	0.00	0.00	0.00
Ilog	0.00	0.00	0.00	0.00
Kabankalan City	0.00	0.00	0.00	0.00
Sipalay City	0.00	0.00	0.00	0.00
Amlan	0.00	0.00	50.00	0.00
Ayungon	0.00	0.00	774.00	0.00
Bacong	0.00	0.00	7.00	0.00
Bais City	0.00	0.00	107.00	0.00
Basay	0.00	0.00	123.00	0.00
Bayawan City	0.00	0.00	1,789.50	0.00
Bindoy	0.00	0.00	45.00	0.00
Canlaon City	0.00	0.00	1,070.00	0.00
Dauin	0.00	0.00	950.00	0.00
Dumaguete City	0.00	0.00	10.00	0.00
Guihulngan City	0.00	0.00	0.00	0.00
Jimalalud	0.00	0.00	96.00	0.00
La Libertad	0.00	0.00	372.00	0.00
Mabinay	0.00	0.00	275.00	0.00
Manjuyod	0.00	0.00	25.00	0.00
Pamplona	0.00	0.00	410.00	0.00
San Jose	0.00	0.00	0.00	0.00
Santa Catalina	0.00	0.00	0.00	0.00
Siaton	0.00	0.00	897.00	0.00
Sibulan	0.00	0.00	150.00	0.00
Tanjay City	0.00	0.00	650.00	0.00
Tayasan	0.00	0.00	170.00	0.00
Valencia-Negros_Orien	0.00	0.00	0.00	0.00
Vallehermoso	0.00	0.00	38.00	0.00
Zamboanguita	0.00	0.00	1,150.00	0.00
Enrique Villanueva	0.00	0.00	0.00	0.00
Larena	0.00	0.00	0.00	23.00
Lazi	0.00	0.00	0.00	68.00
Maria	0.00	0.00	0.00	25.00
San Juan	0.00	0.00	0.00	14.00
Siquijor	0.00	0.00	0.00	26.00
Total [ha]	15,226.27	2,605.00	9,158.50	156.00

Province Area [ha]	340,162.00	374,828.20	352,329.10	16,307.40
Paddy Area [%]	4.48%	0.69%	2.60%	0.96%

Irrigation Area (ha), GW, Wet Season
Unit: ha

Municipality	Province			
Name	Bohol	Cebu	Negros Oriental	Siquijor
Albuquerque	0.00	0.00	0.00	0.00
Alicia	0.00	0.00	0.00	0.00
Anda	0.00	0.00	0.00	0.00
Antequera	0.00	0.00	0.00	0.00
Baclayon	0.00	0.00	0.00	0.00
Balilihan	0.00	0.00	0.00	0.00
Batuan	0.00	0.00	0.00	0.00
Bien Unido	0.00	0.00	0.00	0.00
Bilar	0.00	0.00	0.00	0.00
Buenavista	0.00	0.00	0.00	0.00
Calape	0.00	0.00	0.00	0.00
Candijay	0.00	0.00	0.00	0.00
Carmen-Bohol	0.00	0.00	0.00	0.00
Catigbian	0.00	0.00	0.00	0.00
Clarin	0.00	0.00	0.00	0.00
Corella	0.00	0.00	0.00	0.00
Cortes	0.00	0.00	0.00	0.00
Dagohoy	0.00	0.00	0.00	0.00
Danao	0.00	0.00	0.00	0.00
Dauis	0.00	0.00	0.00	0.00
Dimiao	0.00	0.00	0.00	0.00
Duero	0.00	0.00	0.00	0.00
Garcia Hernandez	0.00	0.00	0.00	0.00
Guindulman	50.00	0.00	0.00	0.00
Inabanga	0.00	0.00	0.00	0.00
Jagna	0.00	0.00	0.00	0.00
Jetafe	0.00	0.00	0.00	0.00
Lila	0.00	0.00	0.00	0.00
Loay	0.00	0.00	0.00	0.00
Loboc	0.00	0.00	0.00	0.00
Loon	0.00	0.00	0.00	0.00
Mabini	0.00	0.00	0.00	0.00
Maribojoc	0.00	0.00	0.00	0.00
Panglao	0.00	0.00	0.00	0.00
Pilar	0.00	0.00	0.00	0.00
Sagbayan	0.00	0.00	0.00	0.00
San Isidro	0.00	0.00	0.00	0.00
San Miguel	0.00	0.00	0.00	0.00
Sevilla	0.00	0.00	0.00	0.00
Sierra Bullones	0.00	0.00	0.00	0.00
Sikatuna	0.00	0.00	0.00	0.00
Tagbilaran City	0.00	0.00	0.00	0.00
Talibon	0.00	0.00	0.00	0.00
Trinidad	0.00	0.00	0.00	0.00
Tubigon	0.00	0.00	0.00	0.00
Ubay	0.00	0.00	0.00	0.00
Valencia-Bohol	0.00	0.00	0.00	0.00
Alcantara	0.00	0.00	0.00	0.00
Alcoy	0.00	0.00	0.00	0.00
Alegria	0.00	31.00	0.00	0.00
Aloguinsan	0.00	0.00	0.00	0.00
Argao	0.00	212.00	0.00	0.00
Asturias	0.00	0.00	0.00	0.00
Badian	0.00	0.00	0.00	0.00
Balamban	0.00	8.00	0.00	0.00
Bantayan	0.00	0.00	0.00	0.00
Barili	0.00	127.00	0.00	0.00
Bogo City	0.00	0.00	0.00	0.00
Boljoon	0.00	0.00	0.00	0.00
Borbon	0.00	0.00	0.00	0.00
Carcar	0.00	0.00	0.00	0.00
Carmen-Cebu	0.00	0.00	0.00	0.00
Catmon	0.00	0.00	0.00	0.00
Cebu City	0.00	901.00	0.00	0.00
Compostela	0.00	105.00	0.00	0.00
Consolacion	0.00	112.00	0.00	0.00
Daanbantayan	0.00	0.00	0.00	0.00
Dalaguete	0.00	105.00	0.00	0.00
Danao City	0.00	0.00	0.00	0.00
Danao Lake	0.00	0.00	0.00	0.00
Dumanjug	0.00	0.00	0.00	0.00
Ginatilan	0.00	0.00	0.00	0.00
Lapu-Lapu City	0.00	0.00	0.00	0.00
Liloan	0.00	33.00	0.00	0.00
Madridejos	0.00	0.00	0.00	0.00
Malabuyoc	0.00	20.00	0.00	0.00
Mandaue City	0.00	0.00	0.00	0.00
Medellin	0.00	70.00	0.00	0.00
Minglanilla	0.00	46.00	0.00	0.00
Moalboal	0.00	10.00	0.00	0.00
Naga City	0.00	90.00	0.00	0.00
Oslob	0.00	0.00	0.00	0.00
Pinamungahan	0.00	0.00	0.00	0.00
Poro	0.00	0.00	0.00	0.00
Ronda	0.00	82.00	0.00	0.00
Samboan	0.00	0.00	0.00	0.00
San Fernando	0.00	100.00	0.00	0.00
San Francisco	0.00	0.00	0.00	0.00
San Remigio	0.00	0.00	0.00	0.00
Santa Fe	0.00	0.00	0.00	0.00
Santander	0.00	0.00	0.00	0.00
Sibonga	0.00	21.00	0.00	0.00
Sogod	0.00	53.00	0.00	0.00
Tabogon	0.00	0.00	0.00	0.00
Tabuelan	0.00	0.00	0.00	0.00
Talisay City	0.00	12.00	0.00	0.00
Toledo City	0.00	78.00	0.00	0.00
Tuburan	0.00	63.00	0.00	0.00
Tudela	0.00	0.00	0.00	0.00
Binalbagan	0.00	0.00	0.00	0.00
Candoni	0.00	0.00	0.00	0.00
Hinoba-An	0.00	0.00	0.00	0.00
Ilog	0.00	0.00	0.00	0.00
Kabankalan City	0.00	0.00	0.00	0.00
Sipalay City	0.00	0.00	0.00	0.00
Amlan	0.00	0.00	0.00	0.00
Ayungon	0.00	0.00	0.00	0.00
Bacong	0.00	0.00	5.00	0.00
Bais City	0.00	0.00	0.00	0.00
Basay	0.00	0.00	0.00	0.00
Bayawan City	0.00	0.00	0.00	0.00
Bindoy	0.00	0.00	0.00	0.00
Canlaon City	0.00	0.00	0.00	0.00
Dauin	0.00	0.00	0.00	0.00
Dumaguete City	0.00	0.00	0.00	0.00
Guihulngan City	0.00	0.00	0.00	0.00
Jimalalud	0.00	0.00	0.00	0.00
La Libertad	0.00	0.00	0.00	0.00
Mabinay	0.00	0.00	0.00	0.00
Manjuyod	0.00	0.00	0.00	0.00
Pamplona	0.00	0.00	0.00	0.00
San Jose	0.00	0.00	0.00	0.00
Santa Catalina	0.00	0.00	0.00	0.00
Siaton	0.00	0.00	0.00	0.00
Sibulan	0.00	0.00	0.00	0.00
Tanjay City	0.00	0.00	0.00	0.00
Tayasan	0.00	0.00	0.00	0.00
Valencia-Negros_Orien	0.00	0.00	0.00	0.00
Vallehermoso	0.00	0.00	0.00	0.00
Zamboanguita	0.00	0.00	0.00	0.00
Enrique Villanueva	0.00	0.00	0.00	0.00
Larena	0.00	0.00	0.00	0.00
Lazi	0.00	0.00	0.00	0.00
Maria	0.00	0.00	0.00	0.00
San Juan	0.00	0.00	0.00	0.00
Siquijor	0.00	0.00	0.00	0.00
Total [ha]	50.00	2,279.00	5.00	0.00

Province Area [ha]	340,162.00	374,828.20	352,329.10	16,307.40
Paddy Area [%]	0.01%	0.61%	0.00%	0.00%

Irrigation Area (ha), GW, Dry Season
Unit: ha

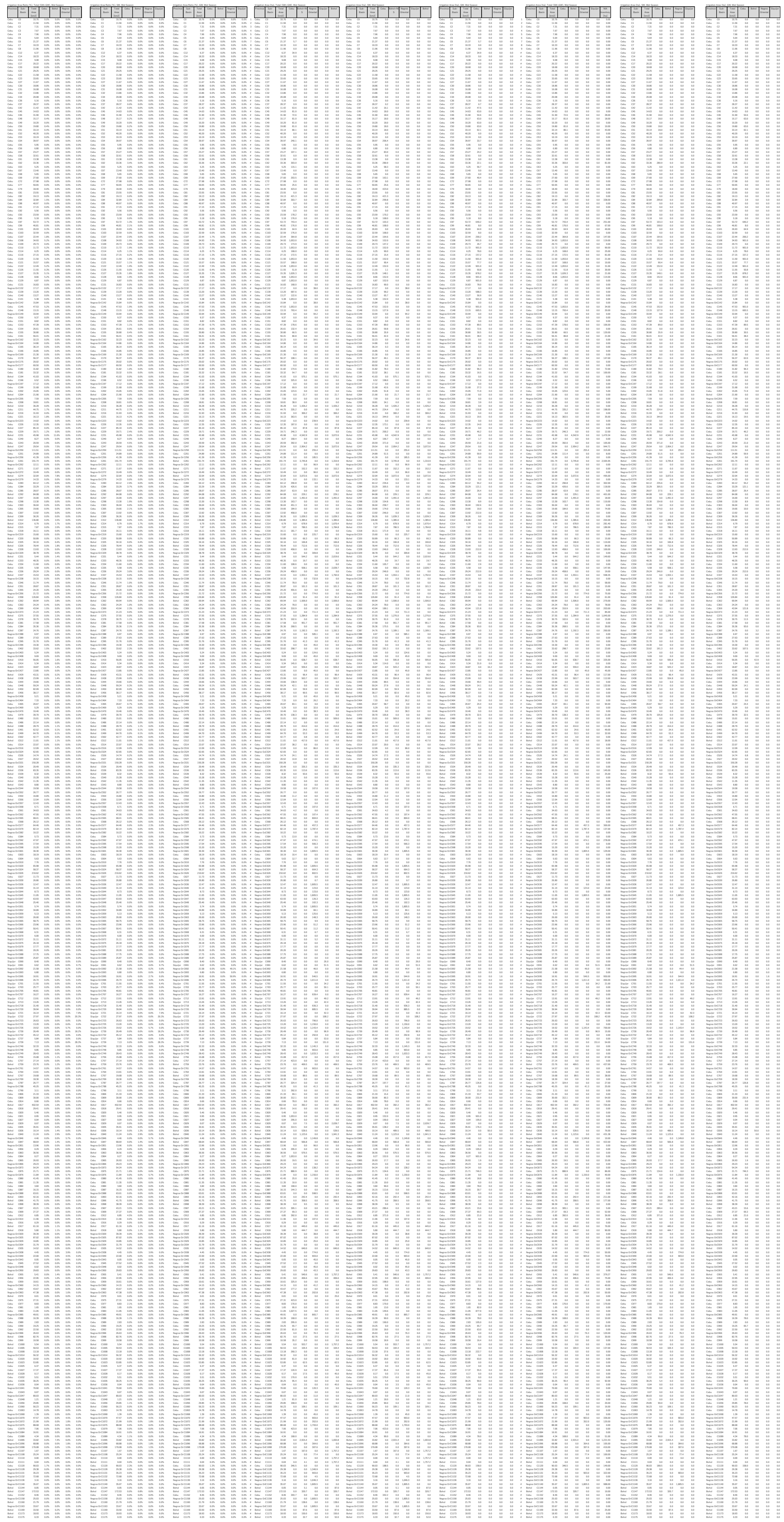
Municipality	Province			
Name	Bohol	Cebu	Negros Oriental	Siquijor
Albuquerque	0.00	0.00	0.00	0.00
Alicia	0.00	0.00	0.00	0.00
Anda	0.00	0.00	0.00	0.00
Antequera	0.00	0.00	0.00	0.00
Baclayon	0.00	0.00	0.00	0.00
Balilihan	16.00	0.00	0.00	0.00
Batuan	0.00	0.00	0.00	0.00
Bien Unido	0.00	0.00	0.00	0.00
Bilar	0.00	0.00	0.00	0.00
Buenavista	0.00	0.00	0.00	0.00
Calape	0.00	0.00	0.00	0.00
Candijay	0.00	0.00	0.00	0.00
Carmen-Bohol	0.00	0.00	0.00	0.00
Catigbian	0.00	0.00	0.00	0.00
Clarin	0.00	0.00	0.00	0.00
Corella	0.00	0.00	0.00	0.00
Cortes	0.00	0.00	0.00	0.00
Dagohoy	0.00	0.00	0.00	0.00
Danao	0.00	0.00	0.00	0.00
Dauis	0.00	0.00	0.00	0.00
Dimiao	0.00	0.00	0.00	0.00
Duero	0.00	0.00	0.00	0.00
Garcia Hernandez	0.00	0.00	0.00	0.00
Guindulman	60.00	0.00	0.00	0.00
Inabanga	0.00	0.00	0.00	0.00
Jagna	4.00	0.00	0.00	0.00
Jetafe	0.00	0.00	0.00	0.00
Lila	0.00	0.00	0.00	0.00
Loay	0.00	0.00	0.00	0.00
Loboc	0.00	0.00	0.00	0.00
Loon	0.00	0.00	0.00	0.00
Mabini	0.00	0.00	0.00	0.00
Maribojoc	0.00	0.00	0.00	0.00
Panglao	0.00	0.00	0.00	0.00
Pilar	0.00	0.00	0.00	0.00
Sagbayan	0.00	0.00	0.00	0.00
San Isidro	0.00	0.00	0.00	0.00
San Miguel	0.00	0.00	0.00	0.00
Sevilla	0.00	0.00	0.00	0.00
Sierra Bullones	0.00	0.00	0.00	0.00
Sikatuna	0.00	0.00	0.00	0.00
Tagbilaran City	0.00	0.00	0.00	0.00
Talibon	0.00	0.00	0.00	0.00
Trinidad	0.00	0.00	0.00	0.00
Tubigon	0.00	0.00	0.00	0.00
Ubay	0.00	0.00	0.00	0.00
Valencia-Bohol	0.00	0.00	0.00	0.00
Alcantara	0.00	0.00	0.00	0.00
Alcoy	0.00	0.00	0.00	0.00
Alegria	0.00	11.00	0.00	0.00
Aloguinsan	0.00	0.00	0.00	0.00
Argao	0.00	185.00	0.00	0.00
Asturias	0.00	0.00	0.00	0.00
Badian	0.00	0.00	0.00	0.00
Balamban	0.00	0.00	0.00	0.00
Bantayan	0.00	0.00	0.00	0.00
Barili	0.00	0.00	0.00	0.00
Bogo City	0.00	0.00	0.00	0.00
Boljoon	0.00	0.00	0.00	0.00
Borbon	0.00	0.00	0.00	0.00
Carcar	0.00	0.00	0.00	0.00
Carmen-Cebu	0.00	0.00	0.00	0.00
Catmon	0.00	0.00	0.00	0.00
Cebu City	0.00	638.00	0.00	0.00
Compostela	0.00	105.00	0.00	0.00
Consolacion	0.00	112.00	0.00	0.00
Daanbantayan	0.00	0.00	0.00	0.00
Dalaguete	0.00	105.00	0.00	0.00
Danao City	0.00	0.00	0.00	0.00
Danao Lake	0.00	0.00	0.00	0.00
Dumanjug	0.00	0.00	0.00	0.00
Ginatilan	0.00	0.00	0.00	0.00
Lapu-Lapu City	0.00	0.00	0.00	0.00
Liloan	0.00	18.00	0.00	0.00
Madridejos	0.00	0.00	0.00	0.00
Malabuyoc	0.00	15.00	0.00	0.00
Mandaue City	0.00	0.00	0.00	0.00
Medellin	0.00	70.00	0.00	0.00
Minglanilla	0.00	39.00	0.00	0.00
Moalboal	0.00	10.00	0.00	0.00
Naga City	0.00	41.00	0.00	0.00
Oslob	0.00	0.00	0.00	0.00
Pinamungahan	0.00	0.00	0.00	0.00
Poro	0.00	0.00	0.00	0.00
Ronda	0.00	71.00	0.00	0.00
Samboan	0.00	0.00	0.00	0.00
San Fernando	0.00	100.00	0.00	0.00
San Francisco	0.00	0.00	0.00	0.00
San Remigio	0.00	0.00	0.00	0.00
Santa Fe	0.00	0.00	0.00	0.00
Santander	0.00	0.00	0.00	0.00
Sibonga	0.00	21.00	0.00	0.00
Sogod	0.00	43.00	0.00	0.00
Tabogon	0.00	0.00	0.00	0.00
Tabuelan	0.00	0.00	0.00	0.00
Talisay City	0.00	12.00	0.00	0.00
Toledo City	0.00	78.00	0.00	0.00
Tuburan	0.00	27.00	0.00	0.00
Tudela	0.00	0.00	0.00	0.00
Binalbagan	0.00	0.00	0.00	0.00
Candoni	0.00	0.00	0.00	0.00
Hinoba-An	0.00	0.00	0.00	0.00
Ilog	0.00	0.00	0.00	0.00
Kabankalan City	0.00	0.00	0.00	0.00
Sipalay City	0.00	0.00	0.00	0.00
Amlan	0.00	0.00	0.00	0.00
Ayungon	0.00	0.00	0.00	0.00
Bacong	0.00	0.00	5.00	0.00
Bais City	0.00	0.00	0.00	0.00
Basay	0.00	0.00	0.00	0.00
Bayawan City	0.00	0.00	0.00	0.00
Bindoy	0.00	0.00	0.00	0.00
Canlaon City	0.00	0.00	0.00	0.00
Dauin	0.00	0.00	0.00	0.00
Dumaguete City	0.00	0.00	0.00	0.00
Guihulngan City	0.00	0.00	0.00	0.00
Jimalalud	0.00	0.00	0.00	0.00
La Libertad	0.00	0.00	0.00	0.00
Mabinay	0.00	0.00	0.00	0.00
Manjuyod	0.00	0.00	0.00	0.00
Pamplona	0.00	0.00	0.00	0.00
San Jose	0.00	0.00	0.00	0.00
Santa Catalina	0.00	0.00	0.00	0.00
Siaton	0.00	0.00	0.00	0.00
Sibulan	0.00	0.00	0.00	0.00
Tanjay City	0.00	0.00	0.00	0.00
Tayasan	0.00	0.00	0.00	0.00
Valencia-Negros_Orien	0.00	0.00	0.00	0.00
Vallehermoso	0.00	0.00	0.00	0.00
Zamboanguita	0.00	0.00	0.00	0.00
Enrique Villanueva	0.00	0.00	0.00	0.00
Larena	0.00	0.00	0.00	0.00
Lazi	0.00	0.00	0.00	0.00
Maria	0.00	0.00	0.00	0.00
San Juan	0.00	0.00	0.00	0.00
Siquijor	0.00	0.00	0.00	0.00
Total [ha]	80.00	1,701.00	5.00	0.00

Province Area [ha]	340,162.00	374,828.20	352,329.10	16,307.40
Paddy Area [%]	0.02%	0.45%	0.00%	0.00%

Source: JICA Survey Team

(3) Irrigation Area Ratio of Sub-Basin in Province

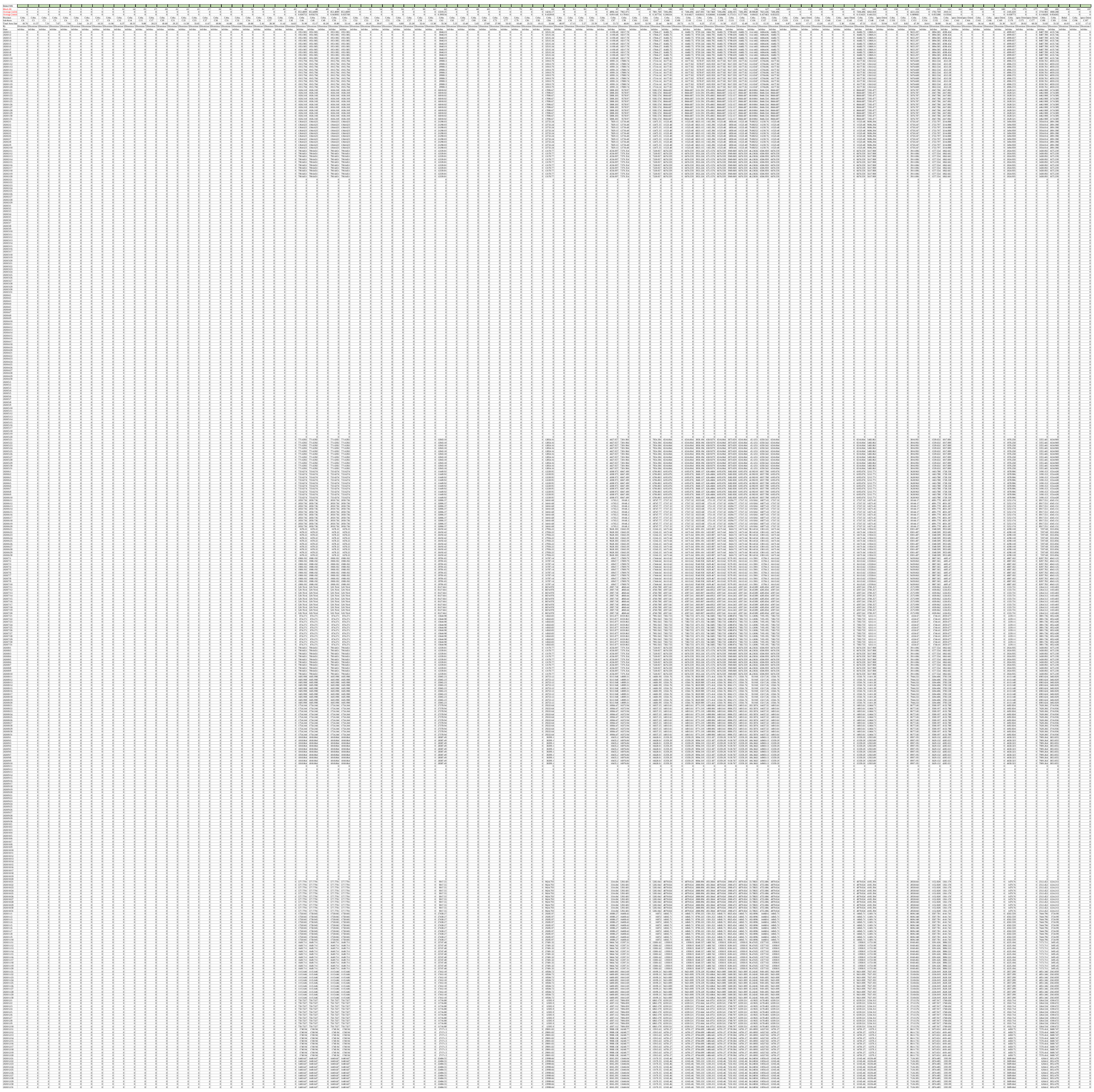
Table DBH-8 Irrigation Area Ratio of Sub-Basin in Province [WRR-VII]



Source: JICA Survey Team

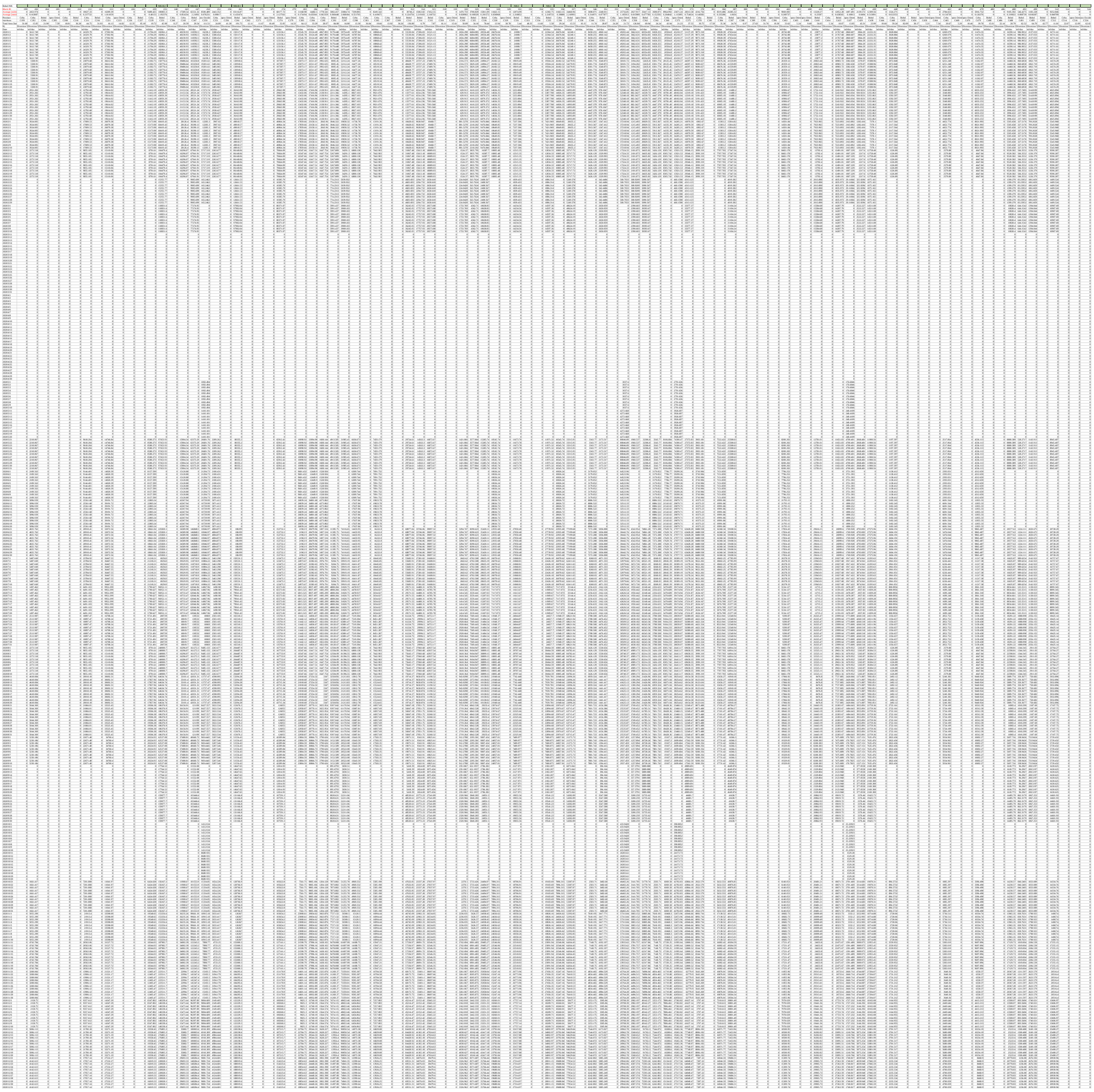
(4) Estimated Irrigation Water Demand by Sub-Basin

Table DBH-9 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-VII] (1/4)



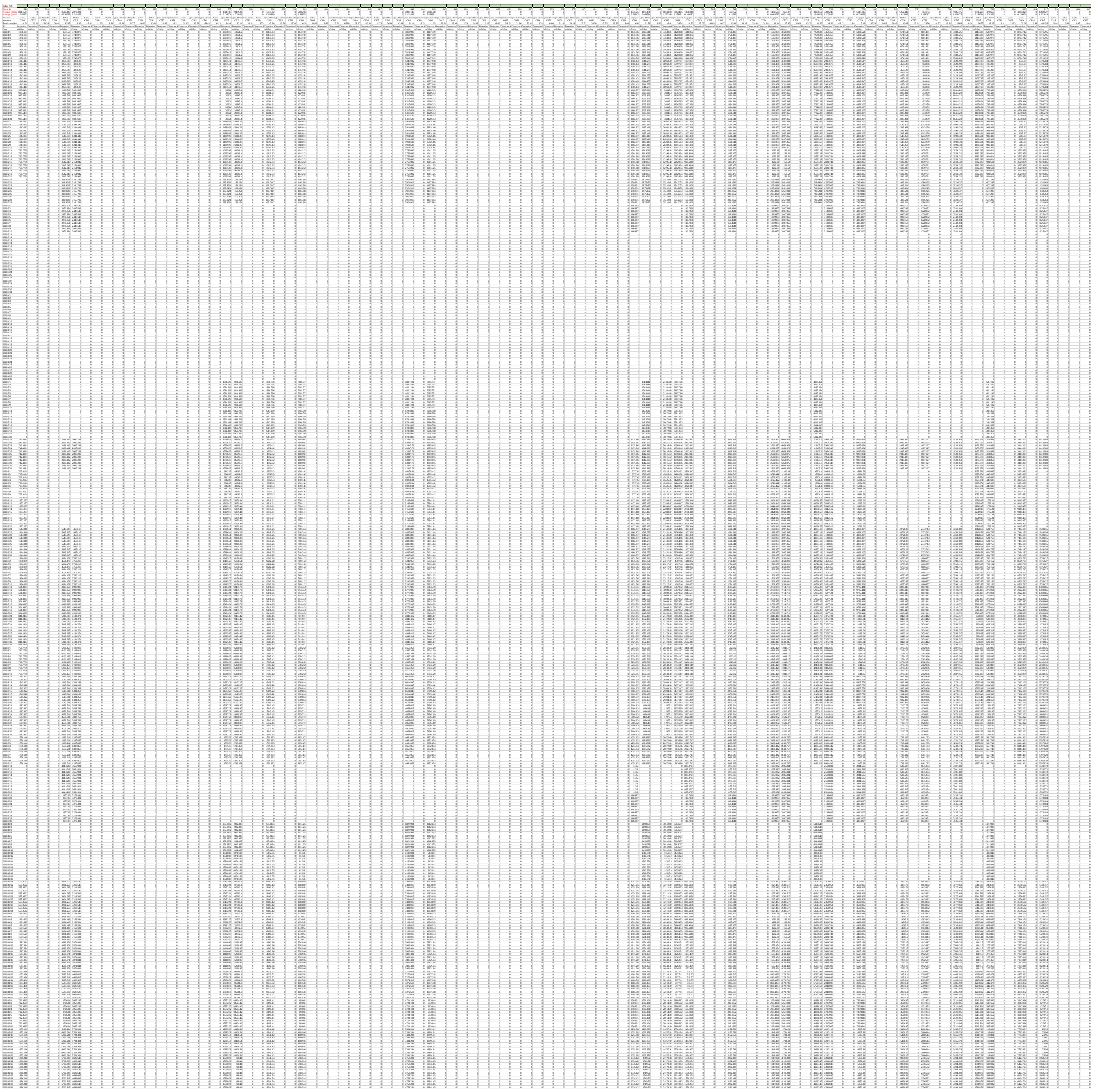
Source: JICA Survey Team

Table DBH-10 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-VII] (2/4)



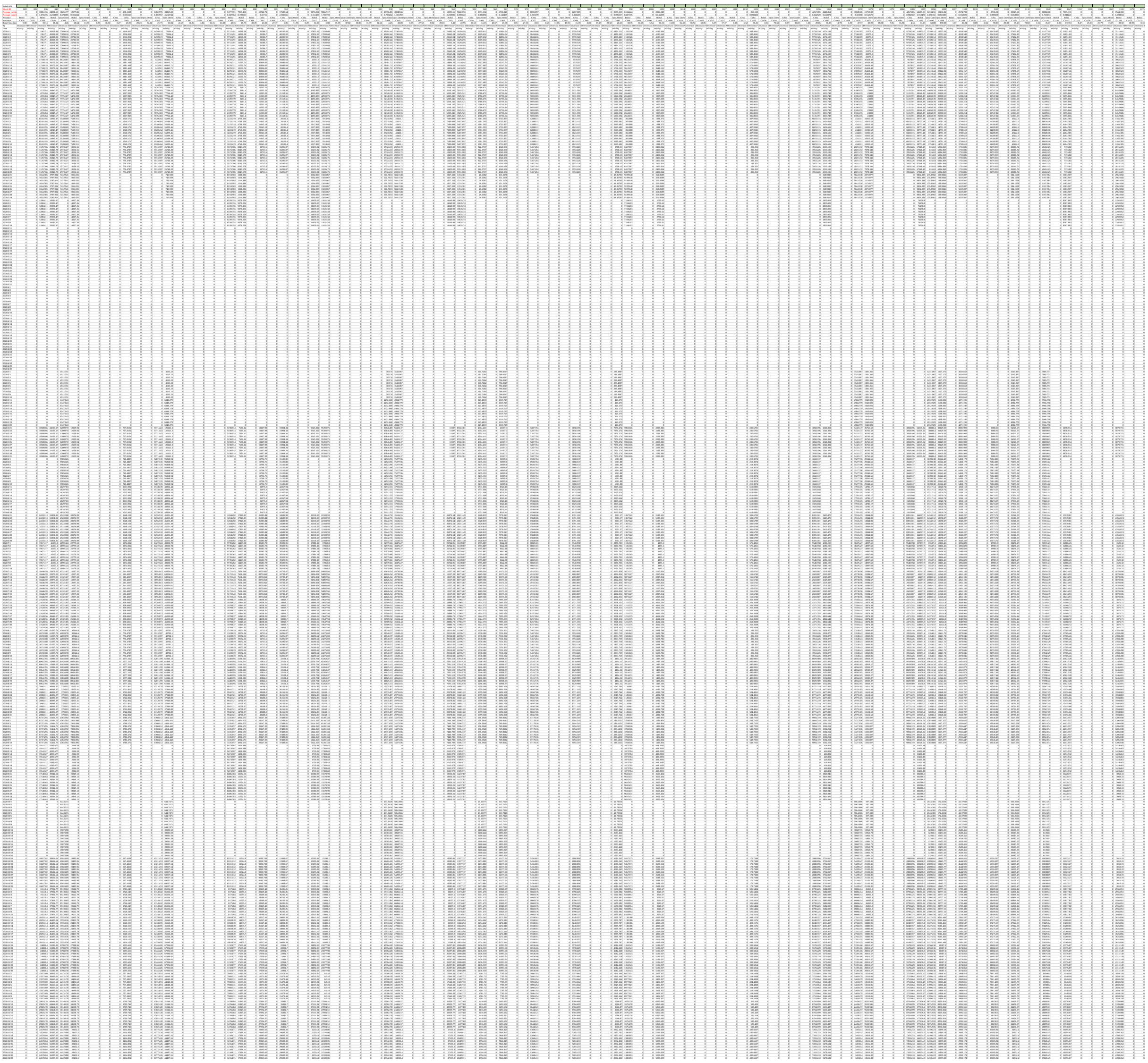
Source: JICA Survey Team

Table DBH-11 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-VII] (3/4)



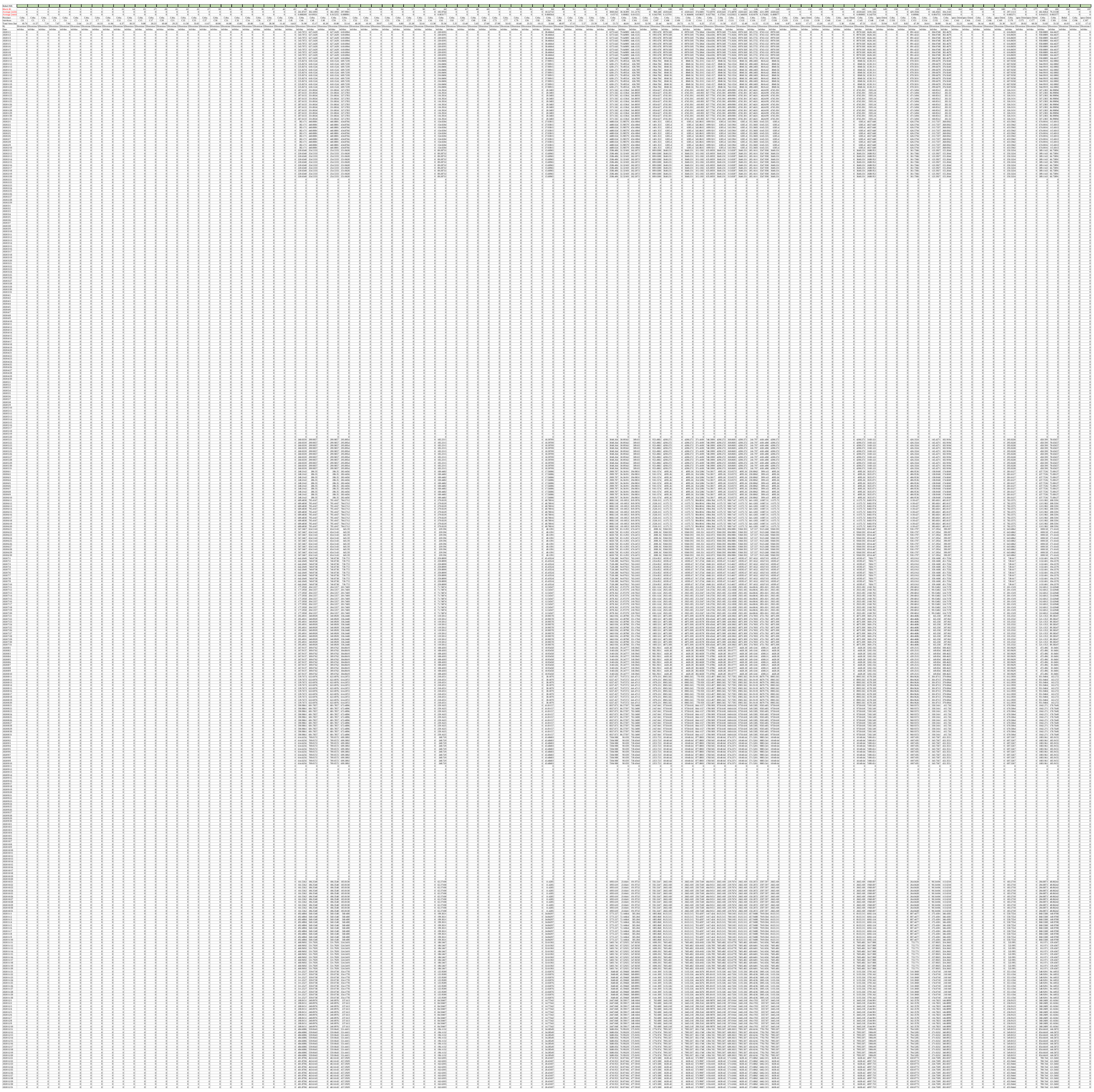
Source: JICA Survey Team

Table DBH-12 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-VII] (4/4)



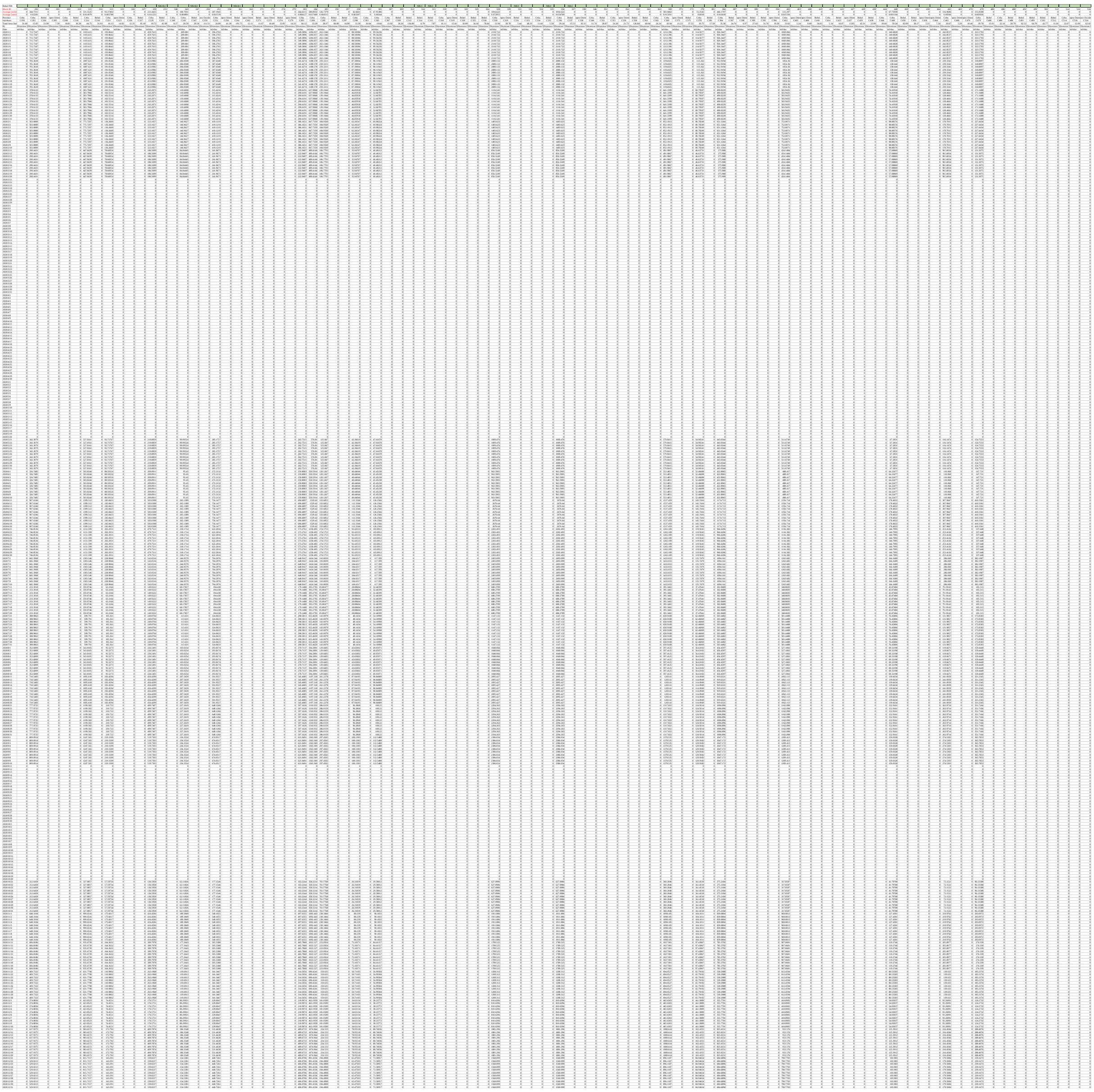
Source: JICA Survey Team

Table DBH-13 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-VII] (1/4)



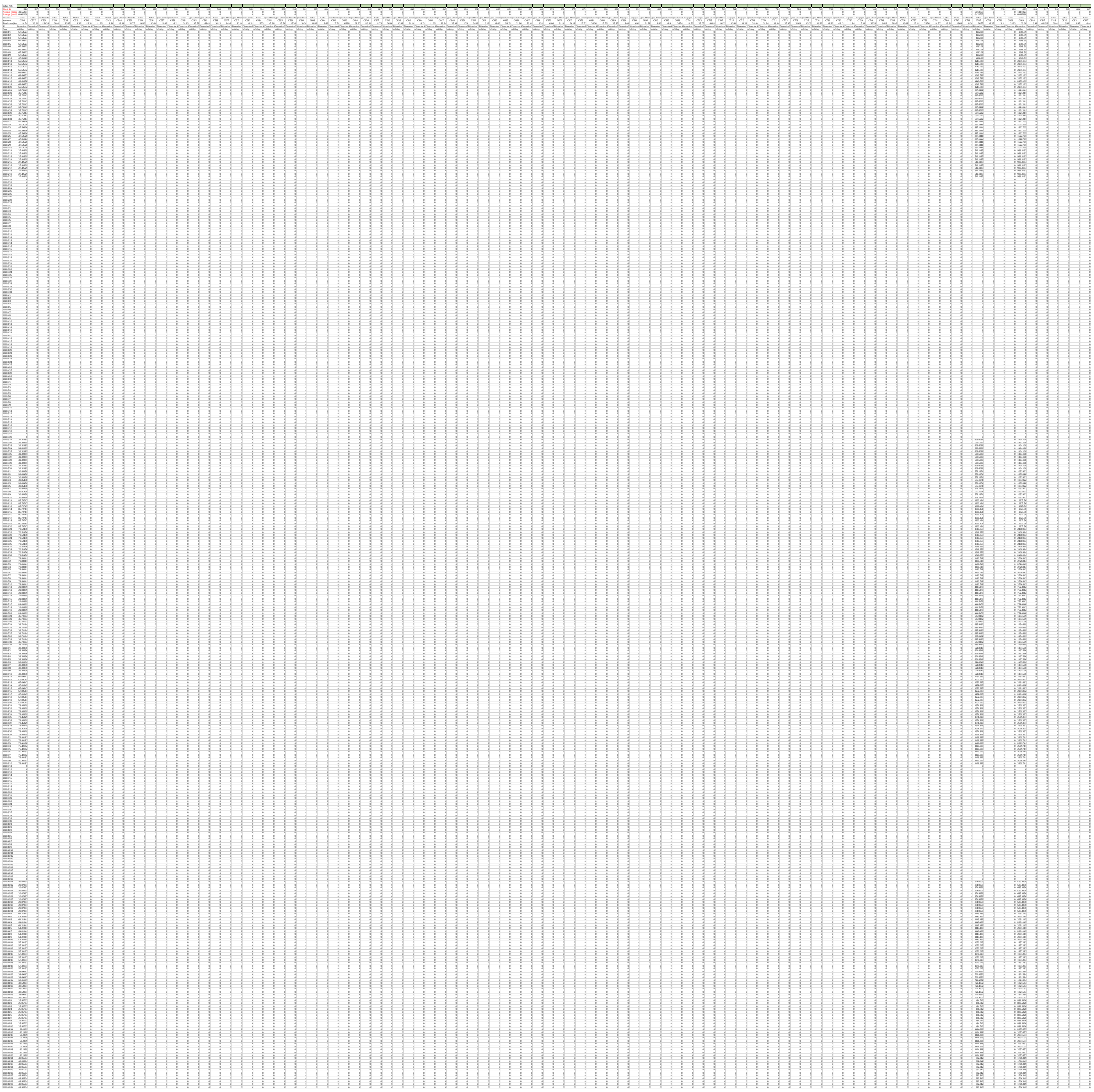
Source: JICA Survey Team

Table DBH-14 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-VII] (2/4)



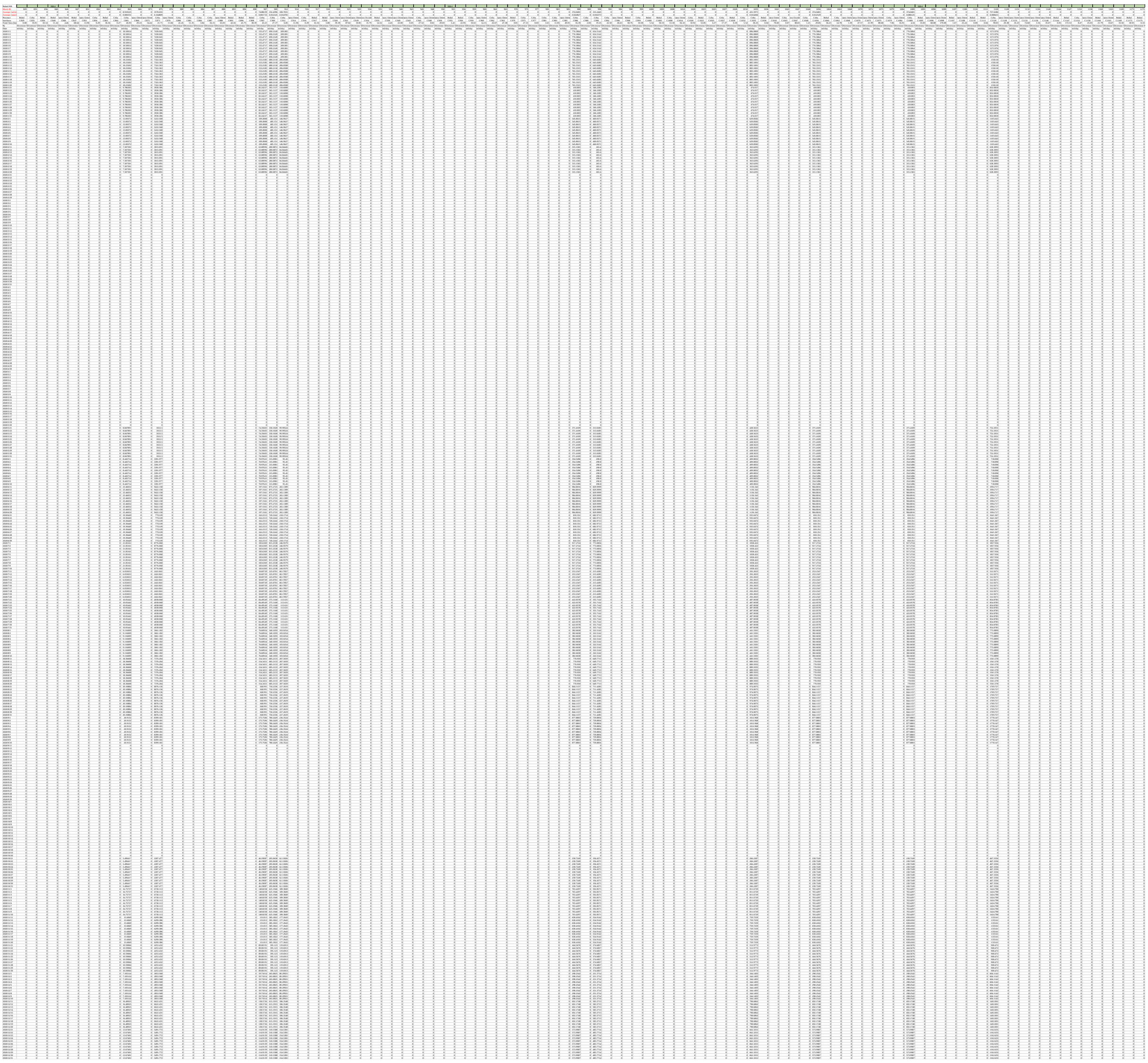
Source: JICA Survey Team

Table DBH-15 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-VII] (3/4)



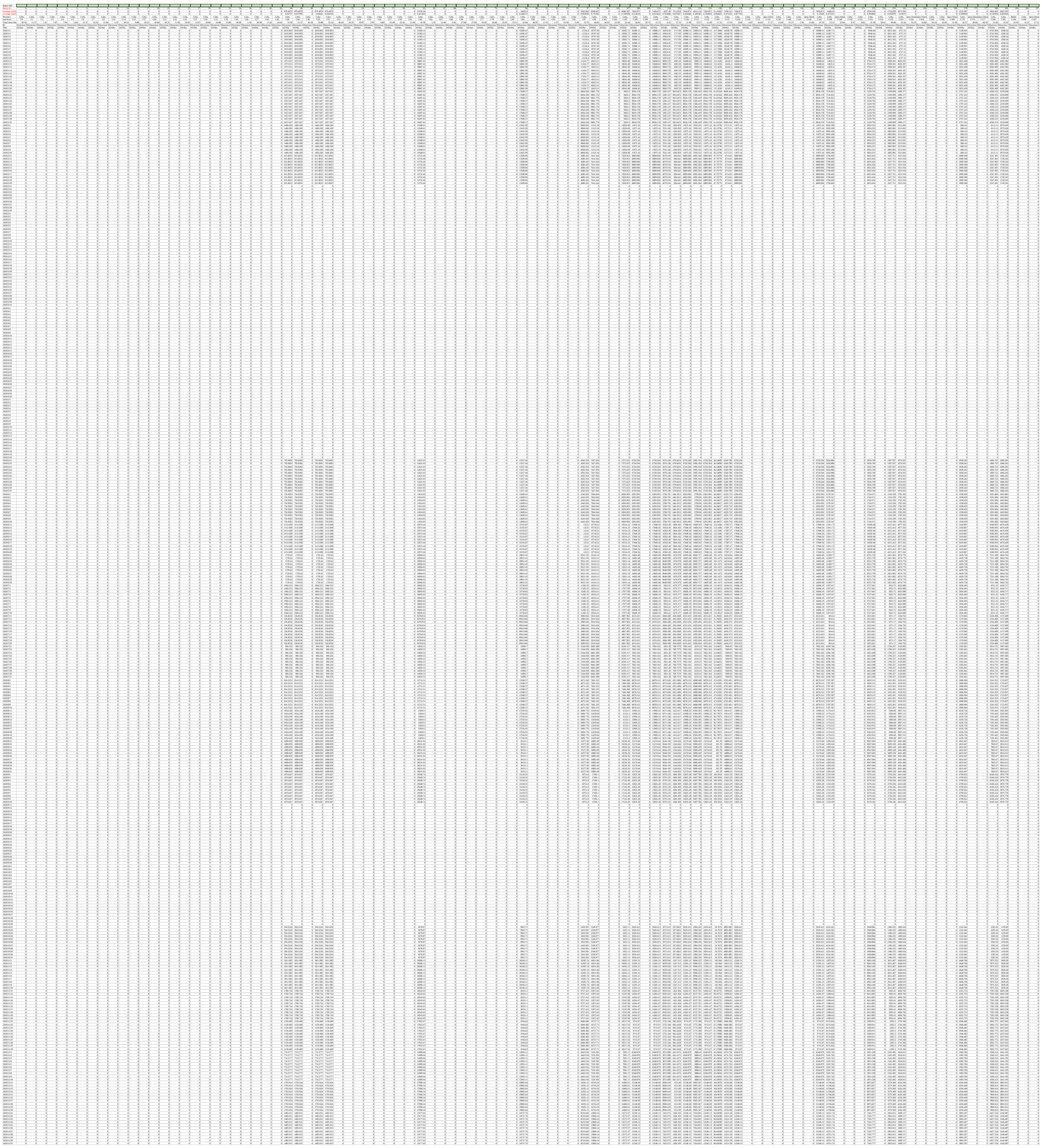
Source: JICA Survey Team

Table DBH-16 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-VII] (4/4)



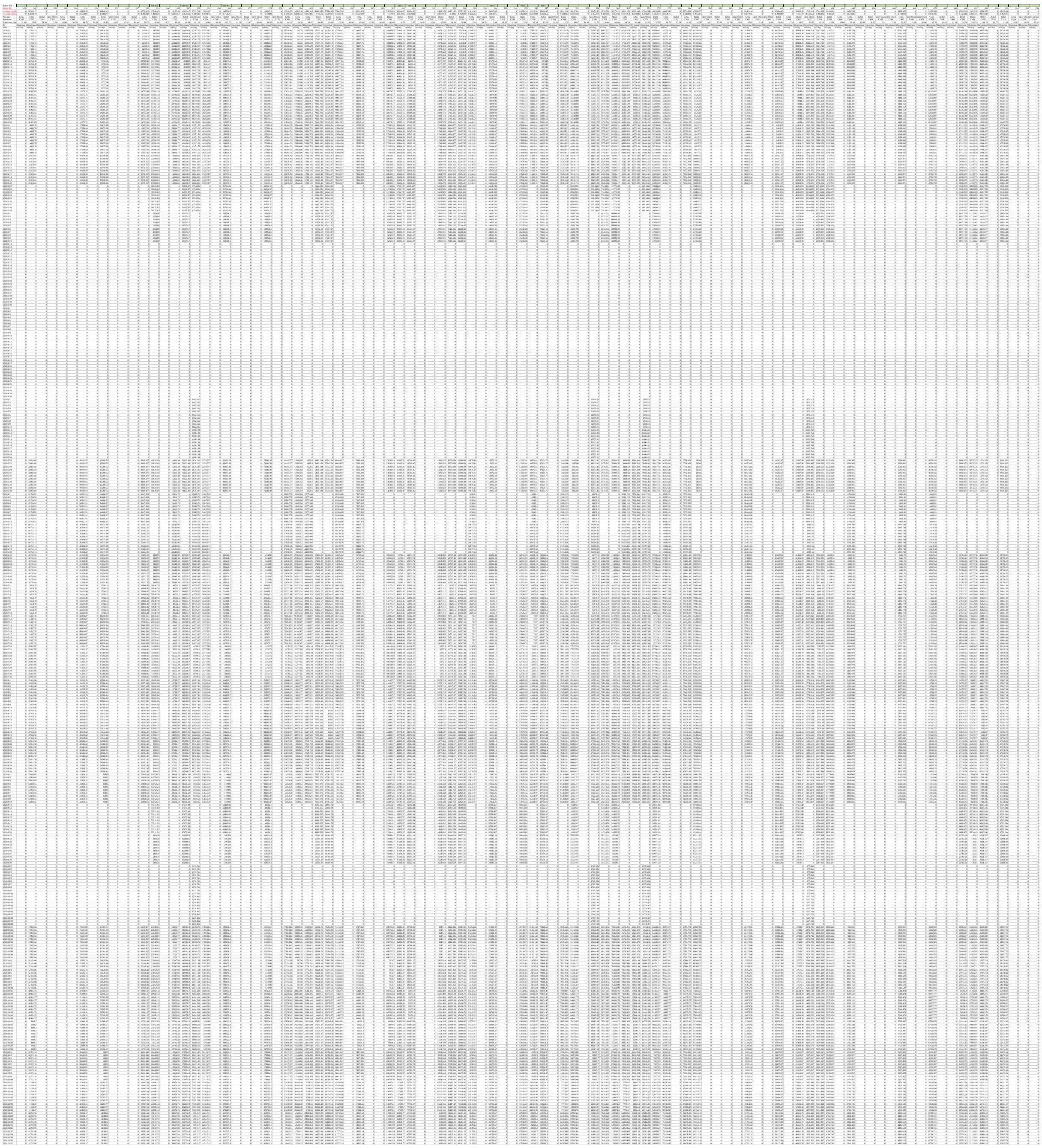
Source: JICA Survey Team

Table DBH-17 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-VII] (1/4)



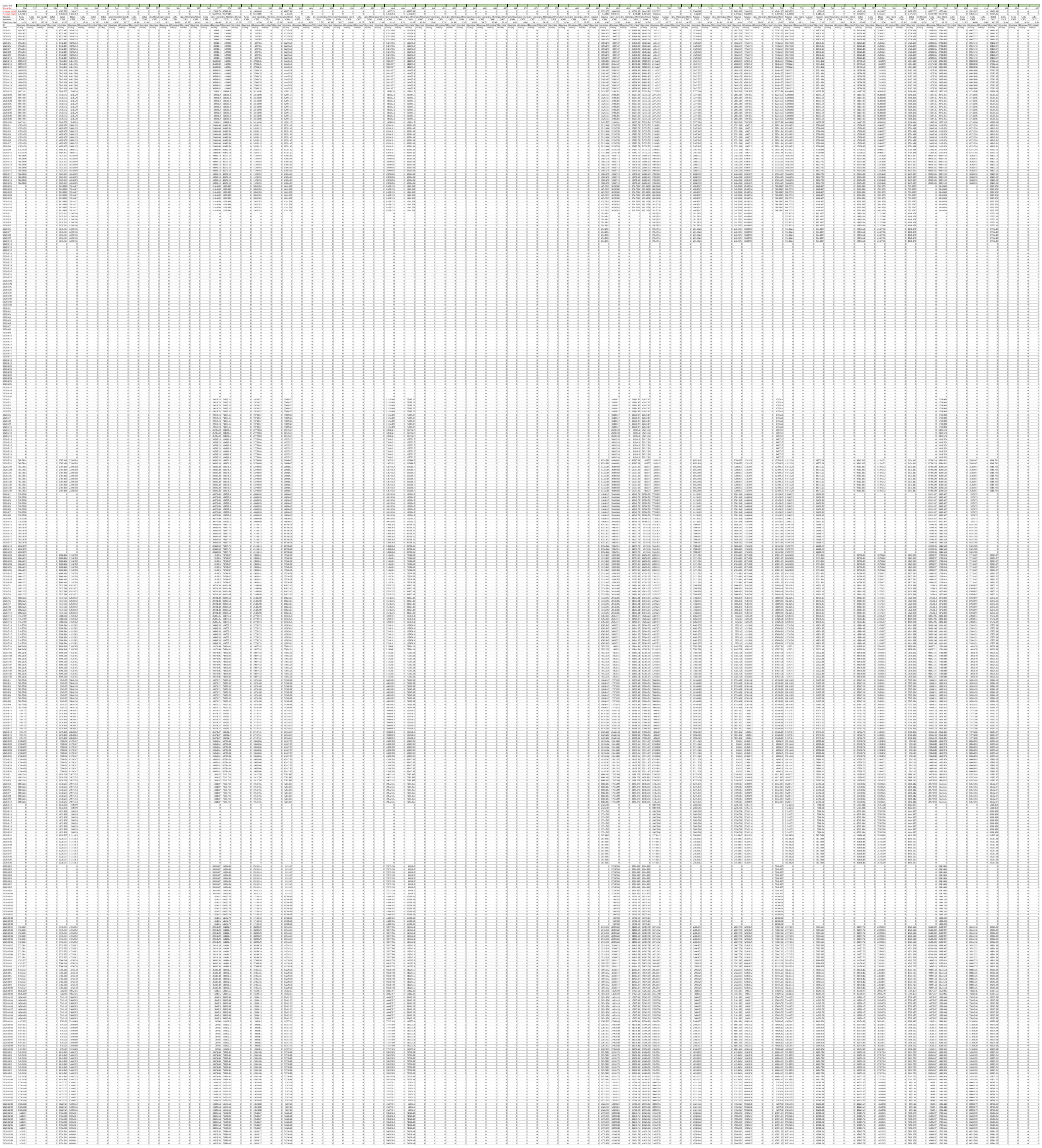
Source: JICA Survey Team

Table DBH-18 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-VII] (2/4)



Source: JICA Survey Team

Table DBH-19 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-VII] (3/4)

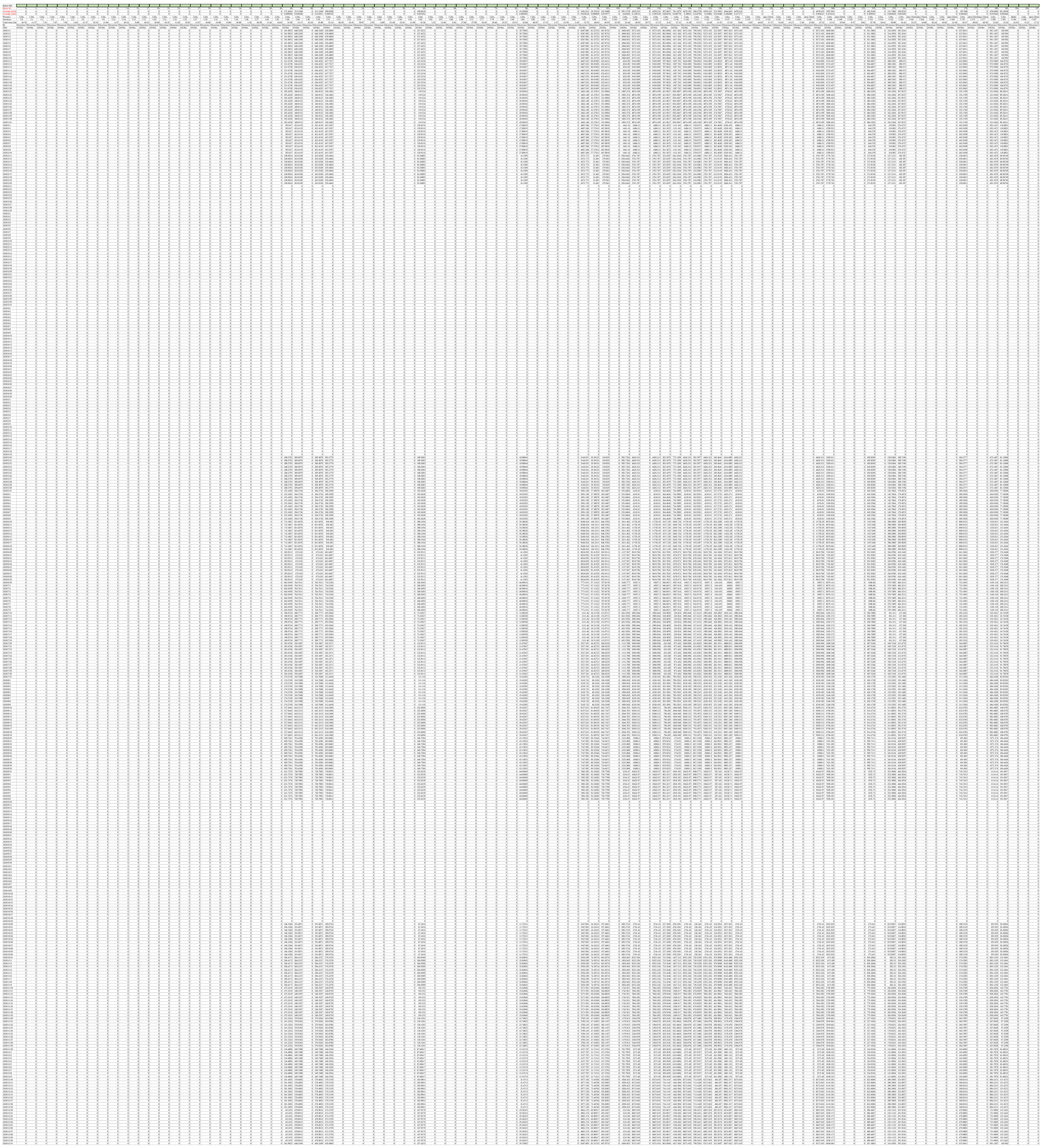


Source: JICA Survey Team

Table DBH-20 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-VII] (4/4)

Source: JICA Survey Team

Table DBH-21 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-VII] (1/4)

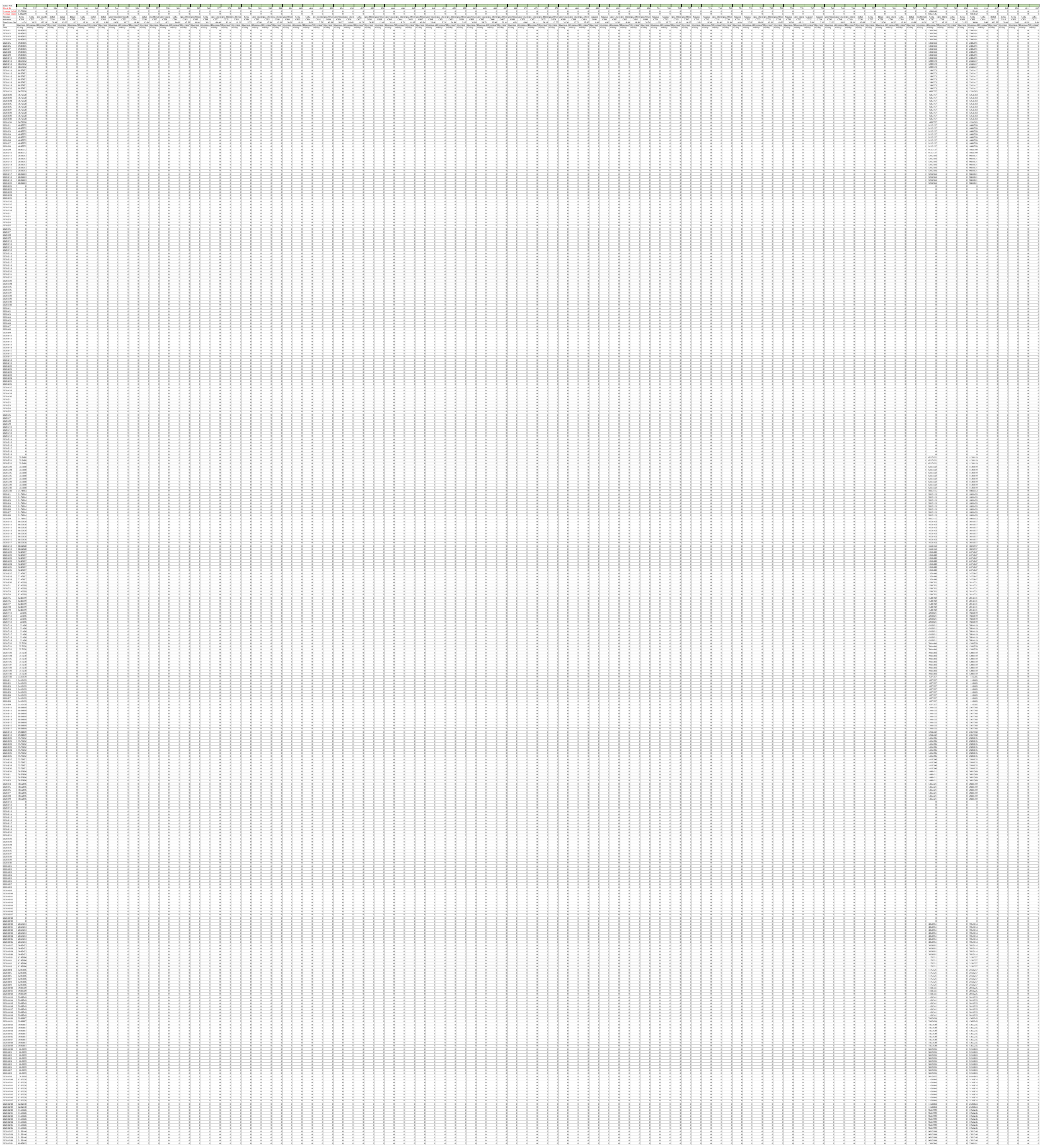


Source: JICA Survey Team

Table DBH-22 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-VII] (2/4)

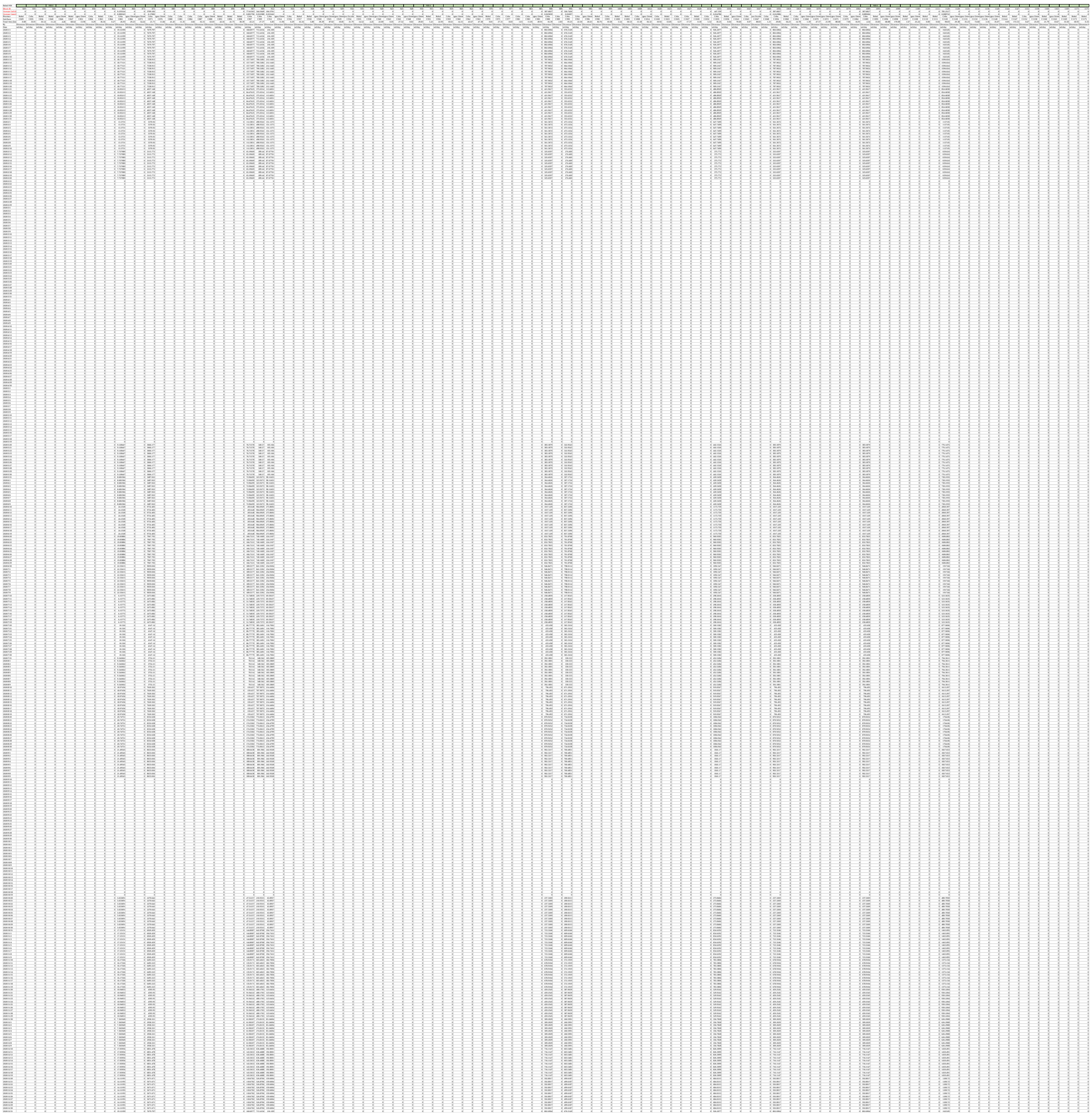
Source: JICA Survey Team

Table DBH-23 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-VII] (3/4)



Source: JICA Survey Team

Table DBH-24 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-VII] (4/4)



Source: JICA Survey Team

1.1.2 Livestock Water Demand

(1) Provincial-wise Livestock & Poultry Water Demands

Table DBH-25 Provincial-wise Livestock & Poultry Water Demands in WRR V, VII & XI

Region/ Province	Area Rate	Water Demand in Year (MCM)			
		2020	2030	2040	2050
WRR-V		**10.722**	**12.148**	**13.327**	**14.099**
Quezon	0.053	0.166	0.188	0.206	0.218
Albay	1.000	2.190	2.481	2.722	2.879
Camarines Norte	1.000	1.649	1.868	2.050	2.169
Camarines Sur	1.000	3.237	3.667	4.023	4.256
Catanduanes	1.000	0.589	0.667	0.732	0.774
Masbate	1.000	1.808	2.049	2.248	2.378
Sorsogon	1.000	1.084	1.228	1.347	1.425
WRR-VII		**12.660**	**14.344**	**15.737**	**16.648**
Negros Occidental	0.076	0.393	0.445	0.489	0.517
Bohol	1.000	3.891	4.408	4.836	5.116
Cebu	1.000	5.346	6.057	6.645	7.030
Negros Oriental	0.769	2.463	2.791	3.062	3.239
Siquijor	1.000	0.568	0.643	0.705	0.746
WRR-XI		**12.391**	**14.039**	**15.402**	**16.294**
Bukidnon	0.046	0.288	0.327	0.358	0.379
Davao de Oro (Compostela Valley)	0.477	0.616	0.698	0.766	0.810
Davao del Norte	0.989	4.022	4.557	4.999	5.289
Davao del Sur	0.998	3.105	3.518	3.859	4.083
Davao Oriental	0.949	1.301	1.474	1.617	1.710
Sarangani	0.869	0.703	0.796	0.873	0.924
South Cotabato	0.340	1.491	1.689	1.853	1.960
North Cotabato	0.038	0.115	0.130	0.143	0.151
Sultan Kudarat	0.052	0.072	0.082	0.090	0.095
Agusan del Norte	0.027	0.018	0.021	0.023	0.024
Agusan del Sur	0.109	0.083	0.094	0.103	0.109
Surigao del Sur	0.896	0.577	0.654	0.718	0.759

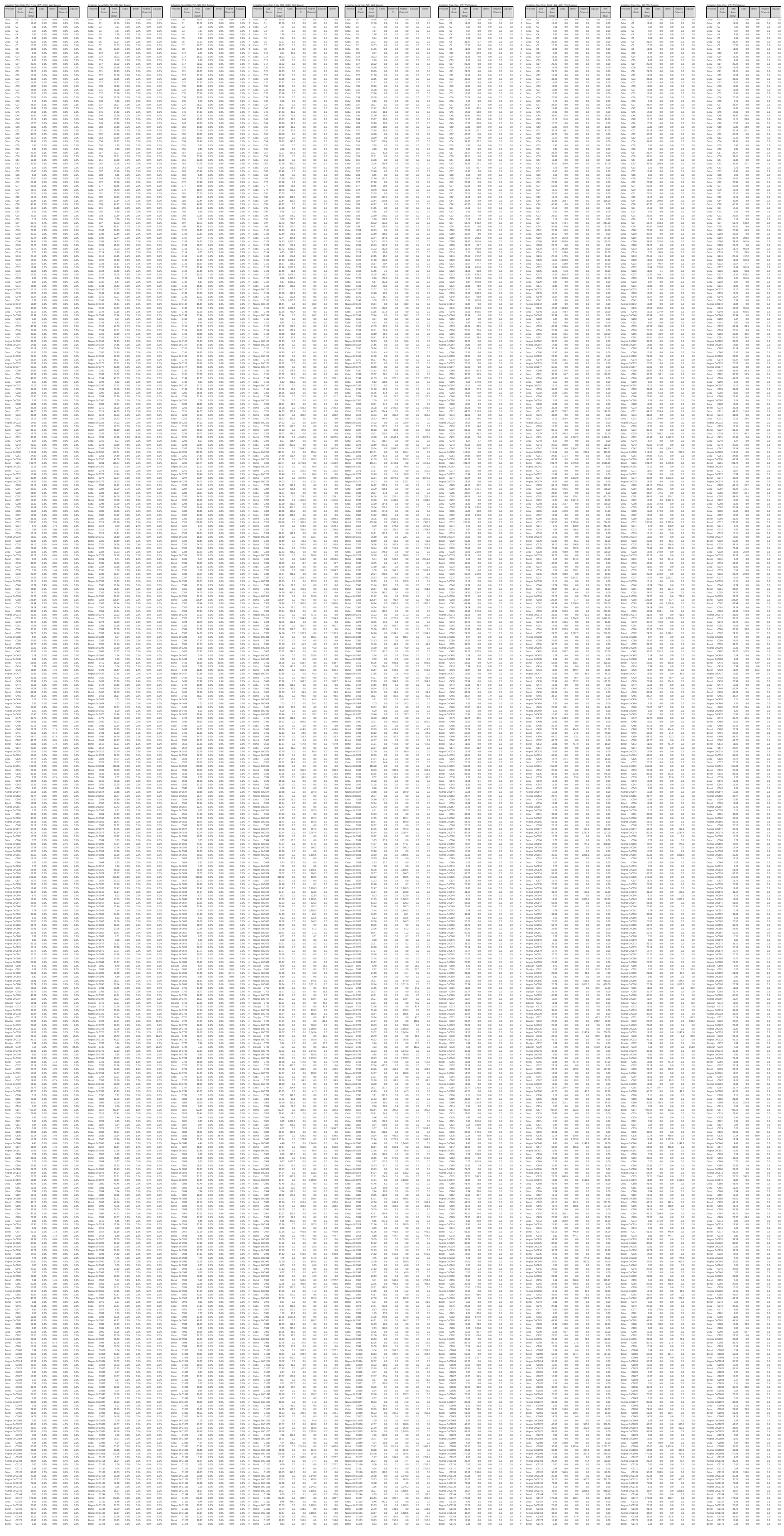
Source: JICA Survey team

Remarks: Water demands in 2030, 2040 and 2050 are estimated based on population increase ratio

(2030)=(2020) x (1.133)
(2040)=(2020) x (1.243)
(2050)=(2020) x (1.315)

(2) Irrigation Area Ratio of Sub-Basin in Province

Table DBH-26 Irrigation Area Ratio of Sub-Basin in Province [WRR-VII]



Source: JICA Survey Team

(3) Estimated Sub-Basin-wise Livestock & Poultry Water Demands

Table DBH-27 Estimated Sub-Basin-wise Livestock & Poultry Water Demands (SW) [WRR VII] (m^3/day)

	Province	Sub-Basin	Total Area [km2]		Year	2020	2030	2040	2050
1	Cebu	C0	10.760	Livestock WD	m3/day	-	-	-	-
2	Cebu	C1	11.564	Livestock WD	m3/day	-	-	-	-
3	Cebu	C2	7.314	Livestock WD	m3/day	-	-	-	-
4	Cebu	C3	7.670	Livestock WD	m3/day	-	-	-	-
5	Cebu	C4	7.956	Livestock WD	m3/day	-	-	-	-
6	Cebu	C5	5.638	Livestock WD	m3/day	-	-	-	-
7	Cebu	C6	21.370	Livestock WD	m3/day	-	-	-	-
8	Cebu	C7	10.327	Livestock WD	m3/day	-	-	-	-
9	Cebu	C8	11.959	Livestock WD	m3/day	-	-	-	-
10	Cebu	C12	6.373	Livestock WD	m3/day	-	-	-	-
11	Cebu	C14	18.327	Livestock WD	m3/day	-	-	-	-
12	Cebu	C15	9.084	Livestock WD	m3/day	-	-	-	-
13	Cebu	C17	20.225	Livestock WD	m3/day	-	-	-	-
14	Cebu	C20	18.684	Livestock WD	m3/day	-	-	-	-
15	Cebu	C21	29.246	Livestock WD	m3/day	-	-	-	-
16	Cebu	C22	11.579	Livestock WD	m3/day	-	-	-	-
17	Cebu	C23	33.647	Livestock WD	m3/day	-	-	-	-
18	Cebu	C27	11.666	Livestock WD	m3/day	-	-	-	-
19	Cebu	C30	18.863	Livestock WD	m3/day	-	-	-	-
20	Cebu	C31	16.084	Livestock WD	m3/day	-	-	-	-
21	Cebu	C32	13.864	Livestock WD	m3/day	-	-	-	-
22	Cebu	C34	20.082	Livestock WD	m3/day	-	-	-	-
23	Cebu	C36	5.155	Livestock WD	m3/day	-	-	-	-
24	Cebu	C37	28.375	Livestock WD	m3/day	-	-	-	-
25	Cebu	C42	11.422	Livestock WD	m3/day	-	-	-	-
26	Cebu	C45	14.628	Livestock WD	m3/day	-	-	-	-
27	Cebu	C46	31.900	Livestock WD	m3/day	0.14	0.74	0.83	0.91
28	Cebu	C48	15.165	Livestock WD	m3/day	0.07	0.35	0.40	0.43
29	Cebu	C49	10.201	Livestock WD	m3/day	-	-	-	-
30	Cebu	C50	19.804	Livestock WD	m3/day	0.09	0.46	0.52	0.57
31	Cebu	C51	33.143	Livestock WD	m3/day	0.14	0.76	0.87	0.95
32	Cebu	C52	40.203	Livestock WD	m3/day	-	-	-	-
33	Cebu	C53	10.190	Livestock WD	m3/day	-	-	-	-
34	Cebu	C54	39.968	Livestock WD	m3/day	-	-	-	-
35	Cebu	C55	5.950	Livestock WD	m3/day	-	-	-	-
36	Cebu	C56	6.804	Livestock WD	m3/day	-	-	-	-
37	Cebu	C57	23.275	Livestock WD	m3/day	-	-	-	-
38	Cebu	C58	32.607	Livestock WD	m3/day	-	-	-	-
39	Cebu	C61	13.382	Livestock WD	m3/day	-	-	-	-
40	Cebu	C62	33.362	Livestock WD	m3/day	246.53	1,317.89	1,493.17	1,638.14
41	Cebu	C63	5.253	Livestock WD	m3/day	-	-	-	-
42	Cebu	C67	13.398	Livestock WD	m3/day	-	-	-	-
43	Cebu	C68	5.650	Livestock WD	m3/day	-	-	-	-
44	Cebu	C69	27.603	Livestock WD	m3/day	-	-	-	-
45	Cebu	C72	27.980	Livestock WD	m3/day	-	-	-	-
46	Cebu	C77	50.647	Livestock WD	m3/day	-	-	-	-
47	Cebu	C79	18.398	Livestock WD	m3/day	-	-	-	-
48	Cebu	C81	23.546	Livestock WD	m3/day	25.54	99.35	112.57	123.49
49	Cebu	C82	19.125	Livestock WD	m3/day	-	-	-	-
50	Cebu	C84	32.838	Livestock WD	m3/day	269.12	1,438.65	1,629.99	1,788.25
51	Cebu	C88	40.968	Livestock WD	m3/day	-	-	-	-
52	Cebu	C91	17.146	Livestock WD	m3/day	-	-	-	-
53	Cebu	C92	5.565	Livestock WD	m3/day	-	-	-	-
54	Cebu	C93	23.594	Livestock WD	m3/day	-	-	-	-
55	Cebu	C95	5.181	Livestock WD	m3/day	-	-	-	-
56	Cebu	C97	53.716	Livestock WD	m3/day	1.33	7.10	8.05	8.83
57	Cebu	C99	46.809	Livestock WD	m3/day	150.79	806.06	913.26	1,001.93
58	Cebu	C101	26.933	Livestock WD	m3/day	-	-	-	-
59	Cebu	C103	32.593	Livestock WD	m3/day	-	-	-	-
60	Cebu	C107	22.436	Livestock WD	m3/day	118.50	633.46	717.71	787.39
61	Cebu	C108	34.928	Livestock WD	m3/day	1.27	6.80	7.70	8.45
62	Cebu	C109	29.726	Livestock WD	m3/day	-	-	-	-
63	Cebu	C110	11.725	Livestock WD	m3/day	0.43	2.28	2.58	2.84
64	Cebu	C114	6.251	Livestock WD	m3/day	0.13	0.72	0.82	0.90
65	Cebu	C116	27.145	Livestock WD	m3/day	0.10	0.53	0.61	0.66
66	Cebu	C120	11.503	Livestock WD	m3/day	0.42	2.24	2.54	2.78
67	Cebu	C121	15.570	Livestock WD	m3/day	1.03	5.50	6.23	6.84
68	Cebu	C122	12.486	Livestock WD	m3/day	0.45	2.43	2.75	3.02
69	Cebu	C126	11.552	Livestock WD	m3/day	0.00	0.02	0.02	0.02
70	Cebu	C127	15.353	Livestock WD	m3/day	0.54	2.91	3.30	3.62
71	Cebu	C128	8.659	Livestock WD	m3/day	0.32	1.68	1.91	2.09
72	Cebu	C129	6.871	Livestock WD	m3/day	-	-	-	-
73	Cebu	C131	16.828	Livestock WD	m3/day	-	-	-	-
74	Negros Oriental	C132	17.174	Livestock WD	m3/day	-	-	-	-
75	Cebu	C139	13.202	Livestock WD	m3/day	-	-	-	-
76	Cebu	C140	13.273	Livestock WD	m3/day	-	-	-	-
77	Cebu	C141	5.376	Livestock WD	m3/day	-	-	-	-
78	Negros Oriental	C142	15.838	Livestock WD	m3/day	-	-	-	-
79	Cebu	C145	47.529	Livestock WD	m3/day	1.73	9.25	10.48	11.49
80	Cebu	C148	13.147	Livestock WD	m3/day	0.40	2.15	2.44	2.68
81	Negros Oriental	C149	33.938	Livestock WD	m3/day	-	-	-	-
82	Cebu	C150	9.368	Livestock WD	m3/day	-	-	-	-
83	Cebu	C151	8.824	Livestock WD	m3/day	-	-	-	-
84	Cebu	C153	47.388	Livestock WD	m3/day	1.01	5.40	6.12	6.71
85	Cebu	C154	26.605	Livestock WD	m3/day	-	-	-	-
86	Cebu	C155	30.798	Livestock WD	m3/day	0.26	1.42	1.60	1.76
87	Cebu	C161	56.412	Livestock WD	m3/day	0.57	3.06	3.47	3.81
88	Negros Oriental	C162	32.232	Livestock WD	m3/day	-	-	-	-
89	Negros Oriental	C164	14.860	Livestock WD	m3/day	-	-	-	-
90	Cebu	C165	36.141	Livestock WD	m3/day	-	-	-	-
91	Cebu	C166	16.853	Livestock WD	m3/day	-	-	-	-
92	Negros Oriental	C169	21.298	Livestock WD	m3/day	-	-	-	-
93	Cebu	C170	56.370	Livestock WD	m3/day	0.92	4.94	5.59	6.14
94	Negros Oriental	C175	20.017	Livestock WD	m3/day	-	-	-	-
95	Negros Oriental	C177	60.504	Livestock WD	m3/day	-	-	-	-
96	Cebu	C180	31.819	Livestock WD	m3/day	0.60	3.19	3.61	3.96
97	Cebu	C181	33.323	Livestock WD	m3/day	33.92	181.31	205.42	225.37
98	Bohol	C194	41.033	Livestock WD	m3/day	-	-	-	-
99	Cebu	C196	6.515	Livestock WD	m3/day	-	-	-	-
100	Negros Oriental	C197	17.115	Livestock WD	m3/day	-	-	-	-
101	Cebu	C199	31.678	Livestock WD	m3/day	-	-	-	-
102	Cebu	C202	15.046	Livestock WD	m3/day	0.19	1.00	1.13	1.24
103	Bohol	C204	21.904	Livestock WD	m3/day	-	-	-	-
104	Negros Oriental	C205	7.586	Livestock WD	m3/day	-	-	-	-
105	Cebu	C208	18.810	Livestock WD	m3/day	-	-	-	-
106	Bohol	C210	36.279	Livestock WD	m3/day	-	-	-	-
107	Cebu	C211	44.747	Livestock WD	m3/day	151.24	808.46	915.99	1,004.92
108	Bohol	C216	31.934	Livestock WD	m3/day	-	-	-	-
109	Cebu	C221	16.131	Livestock WD	m3/day	1.33	7.10	8.05	8.83
110	Negros Oriental	C223	14.017	Livestock WD	m3/day	-	-	-	-
111	Cebu	C226	12.354	Livestock WD	m3/day	-	-	-	-
112	Bohol	C227	85.103	Livestock WD	m3/day	-	-	-	-
113	Cebu	C229	19.714	Livestock WD	m3/day	62.25	332.79	377.05	413.65
114	Bohol	C231	45.979	Livestock WD	m3/day	295.13	1,148.24	1,300.95	1,427.26
115	Cebu	C240	8.271	Livestock WD	m3/day	-	-	-	-
116	Cebu	C243	20.591	Livestock WD	m3/day	1.83	9.78	11.08	12.15
117	Bohol	C247	29.542	Livestock WD	m3/day	189.62	737.75	835.88	917.03
118	Negros Occidental	C250	111.510	Livestock WD	m3/day	1.72	5.51	6.24	6.85
119	Cebu	C251	24.889	Livestock WD	m3/day	0.31	1.64	1.86	2.04
120	Negros Oriental	C256	41.386	Livestock WD	m3/day	-	-	-	-
121	Bohol	C261	191.745	Livestock WD	m3/day	490.23	1,907.30	2,160.97	2,370.77
122	Negros Oriental	C262	12.110	Livestock WD	m3/day	-	-	-	-
123	Bohol	C271	11.669	Livestock WD	m3/day	-	-	-	-
124	Negros Oriental	C272	10.486	Livestock WD	m3/day	-	-	-	-
125	Bohol	C274	32.045	Livestock WD	m3/day	5.65	21.98	24.91	27.33
126	Negros Oriental	C279	14.331	Livestock WD	m3/day	-	-	-	-
127	Cebu	C283	64.118	Livestock WD	m3/day	45.26	241.94	274.12	300.73
128	Cebu	C284	33.289	Livestock WD	m3/day	117.16	626.31	709.61	778.50
129	Cebu	C285	28.071	Livestock WD	m3/day	5.15	27.53	31.19	34.22
130	Bohol	C292	84.079	Livestock WD	m3/day	1.11	4.30	4.87	5.34
131	Bohol	C297	15.997	Livestock WD	m3/day	1.37	5.33	6.03	6.62
132	Cebu	C298	13.304	Livestock WD	m3/day	0.49	2.64	2.99	3.28
133	Cebu	C303	36.044	Livestock WD	m3/day	-	-	-	-
134	Cebu	C305	19.657	Livestock WD	m3/day	0.82	4.38	4.96	5.44
135	Cebu	C307	13.922	Livestock WD	m3/day	-	-	-	-
136	Bohol	C309	36.262	Livestock WD	m3/day	-	-	-	-
137	Bohol	C312	136.798	Livestock WD	m3/day	85.52	332.73	376.98	413.58
138	Bohol	C314	6.789	Livestock WD	m3/day	55.58	216.25	245.01	268.80
139	Bohol	C315	7.865	Livestock WD	m3/day	37.89	147.43	167.04	183.25
140	Cebu	C318	16.107	Livestock WD	m3/day	-	-	-	-
141	Negros Oriental	C319	15.605	Livestock WD	m3/day	-	-	-	-
142	Bohol	C320	50.888	Livestock WD	m3/day	27.50	106.99	121.22	132.99
143	Bohol	C325	34.163	Livestock WD	m3/day	18.58	72.29	81.91	89.86
144	Bohol	C326	78.439	Livestock WD	m3/day	125.38	487.79	552.67	606.33
145	Cebu	C328	13.935	Livestock WD	m3/day	220.79	1,180.30	1,337.28	1,467.11
146	Negros Oriental	C329	38.777	Livestock WD	m3/day	-	-	-	-
147	Bohol	C331	5.442	Livestock WD	m3/day	31.46	122.42	138.70	152.17
148	Bohol	C333	48.354	Livestock WD	m3/day	-	-	-	-
149	Cebu	C334	11.601	Livestock WD	m3/day	-	-	-	-
150	Bohol	C335	5.581	Livestock WD	m3/day	29.53	114.90	130.19	142.83
151	Cebu	C336	29.239	Livestock WD	m3/day	220.79	1,180.30	1,337.28	1,467.11
152	Bohol	C337	15.531	Livestock WD	m3/day	138.32	538.17	609.75	668.94
153	Negros Oriental	C338	10.147	Livestock WD	m3/day	-	-	-	-
154	Cebu	C346	11.741	Livestock WD	m3/day	70.01	374.24	424.01	465.18
155	Bohol	C351	28.866	Livestock WD	m3/day	19.78	76.94	87.18	95.64
156	Cebu	C355	24.196	Livestock WD	m3/day	-	-	-	-
157	Negros Oriental	C356	21.719	Livestock WD	m3/day	164.61	527.28	597.41	655.41
158	Bohol	C358	126.836	Livestock WD	m3/day	1.95	7.57	8.58	9.41
159	Bohol	C362	69.943	Livestock WD	m3/day	6.04	23.52	26.65	29.23
160	Cebu	C363	24.235	Livestock WD	m3/day	70.01	374.24	424.01	465.18
161	Cebu	C369	43.937	Livestock WD	m3/day	101.91	544.76	617.21	677.14
162	Negros Oriental	C373	21.228	Livestock WD	m3/day	151.28	484.58	549.03	602.34
163	Bohol	C375	37.550	Livestock WD	m3/day	101.95	396.65	449.41	493.04
164	Cebu	C378	30.751	Livestock WD	m3/day	75.66	404.48	458.27	502.76
165	Bohol	C381	17.584	Livestock WD	m3/day	-	-	-	-
166	Cebu	C384	35.358	Livestock WD	m3/day	7.81	41.75	47.30	51.90
167	Bohol	C387	24.760	Livestock WD	m3/day	226.14	879.83	996.85	1,093.63
168	Negros Oriental	C388	6.972	Livestock WD	m3/day	-	-	-	-
169	Bohol	C389	27.628	Livestock WD	m3/day	-	-	-	-
170	Bohol	C395	31.762	Livestock WD	m3/day	-	-	-	-
171	Negros Oriental	C396	19.302	Livestock WD	m3/day	-	-	-	-
172	Cebu	C402	33.622	Livestock WD	m3/day	6.56	35.09	39.76	43.62
173	Negros Oriental	C403	5.241	Livestock WD	m3/day	-	-	-	-
174	Negros Oriental	C408	9.687	Livestock WD	m3/day	-	-	-	-
175	Bohol	C410	56.048	Livestock WD	m3/day	35.62	138.58	157.01	172.26
176	Cebu	C414	5.341	Livestock WD	m3/day	-	-	-	-
177	Bohol	C423	18.875	Livestock WD	m3/day	0.59	2.29	2.59	2.85
178	Negros Oriental	C427	13.849	Livestock WD	m3/day	9.57	30.66	34.73	38.11
179	Bohol	C429	43.310	Livestock WD	m3/day	17.53	68.20	77.28	84.78
180	Bohol	C438	23.991	Livestock WD	m3/day	0.76	2.97	3.37	3.69
181	Cebu	C444	19.659	Livestock WD	m3/day	-	-	-	-
182	Cebu	C448	59.244	Livestock WD	m3/day	15.55	83.11	94.17	103.31
183	Bohol	C450	82.087	Livestock WD	m3/day	-	-	-	-
184	Bohol	C456	38.171	Livestock WD	m3/day	-	-	-	-
185	Negros Oriental	C458	5.212	Livestock WD	m3/day	-	-	-	-
186	Negros Oriental	C464	7.335	Livestock WD	m3/day	-	-	-	-
187	Cebu	C465	20.667	Livestock WD	m3/day	40.92	218.76	247.85	271.91
188	Negros Oriental	C469	5.291	Livestock WD	m3/day	-	-	-	-
189	Negros Oriental	C470	10.460	Livestock WD	m3/day	-	-	-	-
190	Cebu	C479	39.697	Livestock WD	m3/day	84.71	452.83	513.05	562.87
191	Bohol	C480	15.009	Livestock WD	m3/day	-	-	-	-
192	Cebu	C486	22.136	Livestock WD	m3/day	-	-	-	-
193	Bohol	C488	28.793	Livestock WD	m3/day	0.68	2.66	3.02	3.31
194	Bohol	C491	62.522	Livestock WD	m3/day	0.91	3.56	4.03	4.42
195	Bohol	C499	64.701	Livestock WD	m3/day	1.85	7.06	8.00	8.78
196	Bohol	C502	42.771	Livestock WD	m3/day	-	-	-	-
197	Bohol	C512	11.006	Livestock WD	m3/day	0.26	1.02	1.16	1.27
198	Cebu	C514	22.066	Livestock WD	m3/day	-	-	-	-
199	Negros Oriental	C516	12.088	Livestock WD	m3/day	-	-	-	-
200	Negros Occidental	C524	62.652	Livestock WD	m3/day	-	-	-	-
201	Cebu	C526	14.740	Livestock WD	m3/day	8.87	47.42	53.72	58.94
202	Cebu	C527	20.517	Livestock WD	m3/day	-	-	-	-
203	Negros Occidental	C531	150.282	Livestock WD	m3/day	-	-	-	-
204	Bohol	C534	20.493	Livestock WD	m3/day	-	-	-	-
205	Bohol	C536	83.352	Livestock WD	m3/day	5.09	19.78	22.42	24.59
206	Bohol	C539	8.323	Livestock WD	m3/day	0.04	0.17	0.20	0.22
207	Cebu	C540	15.278	Livestock WD	m3/day	-	-	-	-
208	Bohol	C542	11.346	Livestock WD	m3/day	-	-	-	-
209	Bohol	C543	8.797	Livestock WD	m3/day	-	-	-	-
210	Negros Oriental	C544	19.576	Livestock WD	m3/day	-	-	-	-
211	Negros Occidental	C552	26.771	Livestock WD	m3/day	-	-	-	-
212	Cebu	C554	16.798	Livestock WD	m3/day	-	-	-	-
213	Bohol	C556	12.040	Livestock WD	m3/day	-	-	-	-
214	Negros Occidental	C557	12.433	Livestock WD	m3/day	-	-	-	-
215	Negros Oriental	C558	6.707	Livestock WD	m3/day	-	-	-	-
216	Cebu	C561	34.634	Livestock WD	m3/day	-	-	-	-
217	Negros Oriental	C562	47.549	Livestock WD	m3/day	-	-	-	-
218	Negros Occidental	C565	68.410	Livestock WD	m3/day	-	-	-	-
219	Cebu	C568	26.121	Livestock WD	m3/day	-	-	-	-
220	Negros Oriental	C577	64.463	Livestock WD	m3/day	9.46	30.29	34.32	37.65
221	Negros Oriental	C579	82.142	Livestock WD	m3/day	378.01	1,210.85	1,371.89	1,505.09
222	Negros Occidental	C582	10.216	Livestock WD	m3/day	-	-	-	-
223	Cebu	C584	5.730	Livestock WD	m3/day	-	-	-	-
224	Negros Oriental	C592	47.975	Livestock WD	m3/day	2.57	8.22	9.31	10.22
225	Negros Oriental	C595	17.537	Livestock WD	m3/day	-	-	-	-
226	Negros Occidental	C598	15.201	Livestock WD	m3/day	-	-	-	-
227	Negros Oriental	C601	30.295	Livestock WD	m3/day	383.98	1,229.98	1,393.57	1,528.87
228	Cebu	C603	18.188	Livestock WD	m3/day	-	-	-	-
229	Cebu	C604	5.628	Livestock WD	m3/day	-	-	-	-
230	Negros Occidental	C610	7.760	Livestock WD	m3/day	-	-	-	-
231	Negros Oriental	C620	65.977	Livestock WD	m3/day	-	-	-	-
232	Negros Oriental	C624	58.370	Livestock WD	m3/day	-	-	-	-
233	Negros Oriental	C626	210.618	Livestock WD	m3/day	-	-	-	-
234	Cebu	C627	11.731	Livestock WD	m3/day	-	-	-	-
235	Negros Oriental	C630	26.801	Livestock WD	m3/day	-	-	-	-
236	Negros Oriental	C636	12.475	Livestock WD	m3/day	-	-	-	-
237	Negros Oriental	C640	31.140	Livestock WD	m3/day	26.16	83.79	94.94	104.15
238	Negros Oriental	C644	8.728	Livestock WD	m3/day	-	-	-	-
239	Negros Oriental	C645	11.048	Livestock WD	m3/day	383.98	1,229.98	1,393.57	1,528.87
240	Negros Oriental	C647	63.935	Livestock WD	m3/day	-	-	-	-
241	Negros Oriental	C648	25.459	Livestock WD	m3/day	-	-	-	-
242	Negros Oriental	C651	5.738	Livestock WD	m3/day	-	-	-	-
243	Negros Oriental	C652	34.889	Livestock WD	m3/day	-	-	-	-
244	Negros Oriental	C659	5.131	Livestock WD	m3/day	-	-	-	-
245	Negros Oriental	C663	26.000	Livestock WD	m3/day	0.24	0.77	0.87	0.96
246	Negros Oriental	C665	58.753	Livestock WD	m3/day	-	-	-	-
247	Negros Oriental	C666	23.958	Livestock WD	m3/day	-	-	-	-
248	Negros Oriental	C667	50.407	Livestock WD	m3/day	-	-	-	-
249	Negros Oriental	C668	6.309	Livestock WD	m3/day	-	-	-	-
250	Negros Oriental	C670	6.001	Livestock WD	m3/day	-	-	-	-
251	Negros Oriental	C672	31.115	Livestock WD	m3/day	-	-	-	-
252	Negros Oriental	C675	26.181	Livestock WD	m3/day	0.81	3.07	3.48	3.81
253	Negros Oriental	C679	17.769	Livestock WD	m3/day	-	-	-	-
254	Negros Oriental	C681	20.264	Livestock WD	m3/day	-	-	-	-
255	Negros Oriental	C688	17.747	Livestock WD	m3/day	-	-	-	-
256	Negros Oriental	C689	25.872	Livestock WD	m3/day	-	-	-	-
257	Siquijor	C690	8.402	Livestock WD	m3/day	-	-	-	-
258	Siquijor	C691	6.624	Livestock WD	m3/day	106.55	60.47	68.51	75.17
259	Negros Oriental	C692	21.583	Livestock WD	m3/day	0.95	3.29	3.72	4.09
260	Negros Oriental	C693	6.804	Livestock WD	m3/day	-	-	-	-
261	Negros Oriental	C695	16.910	Livestock WD	m3/day	1.08	3.50	3.97	4.35
262	Negros Oriental	C696	26.743	Livestock WD	m3/day	1.65	5.29	5.99	6.57
263	Siquijor	C701	11.547	Livestock WD	m3/day	123.23	69.94	79.24	86.93
264	Siquijor	C703	25.765	Livestock WD	m3/day	-	-	-	-
265	Negros Oriental	C705	40.808	Livestock WD	m3/day	-	-	-	-
266	Negros Oriental	C707	16.270	Livestock WD	m3/day	-	-	-	-
267	Siquijor	C712	13.905	Livestock WD	m3/day	213.72	121.30	137.43	150.77
268	Siquijor	C713	13.260	Livestock WD	m3/day	-	-	-	-
269	Negros Oriental	C718	31.398	Livestock WD	m3/day	-	-	-	-
270	Negros Oriental	C720	39.941	Livestock WD	m3/day	-	-	-	-
271	Siquijor	C721	16.136	Livestock WD	m3/day	213.06	120.92	137.01	150.31
272	Siquijor	C722	27.971	Livestock WD	m3/day	945.60	536.66	608.04	667.07
273	Negros Oriental	C723	26.626	Livestock WD	m3/day	-	-	-	-
274	Negros Oriental	C725	13.195	Livestock WD	m3/day	-	-	-	-
275	Negros Oriental	C726	19.519	Livestock WD	m3/day	1.35	4.32	4.89	5.36
276	Siquijor	C730	26.495	Livestock WD	m3/day	801.49	454.88	515.38	565.42
277	Negros Oriental	C732	45.118	Livestock WD	m3/day	-	-	-	-
278	Siquijor	C737	5.842	Livestock WD	m3/day	-	-	-	-
279	Siquijor	C739	7.126	Livestock WD	m3/day	336.07	190.73	216.10	237.08
280	Negros Oriental	C740	32.331	Livestock WD	m3/day	-	-	-	-
281	Negros Oriental	C748	9.848	Livestock WD	m3/day	-	-	-	-
282	Negros Oriental	C749	28.428	Livestock WD	m3/day	-	-	-	-
283	Bohol	C756	15.081	Livestock WD	m3/day	0.36	1.40	1.59	1.75
284	Cebu	C757	27.140	Livestock WD	m3/day	-	-	-	-
285	Bohol	C759	23.763	Livestock WD	m3/day	0.64	2.49	2.82	3.10
286	Negros Oriental	C761	14.566	Livestock WD	m3/day	-	-	-	-
287	Cebu	C764	13.913	Livestock WD	m3/day	-	-	-	-
288	Bohol	C767	19.676	Livestock WD	m3/day	2.15	8.38	9.49	10.41
289	Negros Occidental	C769	18.299	Livestock WD	m3/day	-	-	-	-
290	Cebu	C787	26.770	Livestock WD	m3/day	177.40	948.35	1,074.48	1,178.80
291	Negros Oriental	C788	45.246	Livestock WD	m3/day	4.58	14.67	16.62	18.24
292	Cebu	C790	3.113	Livestock WD	m3/day	-	-	-	-
293	Cebu	C806	21.334	Livestock WD	m3/day	-	-	-	-
294	Cebu	C809	29.998	Livestock WD	m3/day	0.58	3.08	3.49	3.83
295	Cebu	C814	0.661	Livestock WD	m3/day	-	-	-	-
296	Bohol	C817	402.543	Livestock WD	m3/day	77.71	302.28	342.48	375.73
297	Cebu	C818	29.412	Livestock WD	m3/day	-	-	-	-
298	Cebu	C820	5.459	Livestock WD	m3/day	-	-	-	-
299	Cebu	C821	0.952	Livestock WD	m3/day	-	-	-	-
300	Cebu	C827	0.037	Livestock WD	m3/day	-	-	-	-
301	Bohol	C829	0.075	Livestock WD	m3/day	-	-	-	-
302	Cebu	C835	35.905	Livestock WD	m3/day	-	-	-	-
303	Bohol	C836	10.137	Livestock WD	m3/day	0.28	1.11	1.26	1.38
304	Bohol	C840	11.236	Livestock WD	m3/day	85.46	332.49	376.72	413.29
305	Negros Oriental	C846	4.465	Livestock WD	m3/day	0.31	0.99	1.12	1.23
306	Bohol	C847	68.640	Livestock WD	m3/day	2.40	9.33	10.58	11.60
307	Negros Oriental	C851	13.957	Livestock WD	m3/day	-	-	-	-
308	Cebu	C856	0.291	Livestock WD	m3/day	-	-	-	-
309	Bohol	C863	36.557	Livestock WD	m3/day	-	-	-	-
310	Cebu	C864	0.274	Livestock WD	m3/day	-	-	-	-
311	Cebu	C865	26.929	Livestock WD	m3/day	15.87	84.81	96.09	105.42
312	Negros Oriental	C866	29.234	Livestock WD	m3/day	-	-	-	-
313	Negros Oriental	C873	54.242	Livestock WD	m3/day	-	-	-	-
314	Cebu	C875	21.713	Livestock WD	m3/day	0.70	3.74	4.24	4.65
315	Negros Oriental	C876	11.838	Livestock WD	m3/day	0.82	2.63	2.98	3.27
316	Cebu	C880	41.446	Livestock WD	m3/day	-	-	-	-
317	Cebu	C881	11.350	Livestock WD	m3/day	-	-	-	-
318	Cebu	C884	3.843	Livestock WD	m3/day	-	-	-	-
319	Cebu	C887	16.154	Livestock WD	m3/day	-	-	-	-
320	Negros Oriental	C888	63.010	Livestock WD	m3/day	-	-	-	-
321	Bohol	C893	42.156	Livestock WD	m3/day	6.47	25.16	28.50	31.27
322	Bohol	C896	41.746	Livestock WD	m3/day	1.01	3.90	4.42	4.85
323	Bohol	C898	38.394	Livestock WD	m3/day	-	-	-	-
324	Cebu	C907	43.212	Livestock WD	m3/day	263.42	1,397.11	1,582.93	1,736.61
325	Cebu	C909	27.372	Livestock WD	m3/day	-	-	-	-
326	Cebu	C912	6.848	Livestock WD	m3/day	0.61	3.25	3.68	4.04
327	Negros Oriental	C914	11.960	Livestock WD	m3/day	-	-	-	-
328	Cebu	C916	0.294	Livestock WD	m3/day	-	-	-	-
329	Bohol	C917	61.160	Livestock WD	m3/day	66.40	258.35	292.71	321.13
330	Bohol	C918	5.800	Livestock WD	m3/day	0.15	0.58	0.65	0.72
331	Negros Oriental	C920	39.388	Livestock WD	m3/day	-	-	-	-
332	Negros Oriental	C925	87.016	Livestock WD	m3/day	-	-	-	-
333	Negros Oriental	C929	10.849	Livestock WD	m3/day	-	-	-	-
334	Negros Occidental	C934	31.792	Livestock WD	m3/day	-	-	-	-
335	Bohol	C935	14.516	Livestock WD	m3/day	-	-	-	-
336	Negros Oriental	C938	4.446	Livestock WD	m3/day	164.61	527.28	597.41	655.41
337	Negros Oriental	C940	22.002	Livestock WD	m3/day	1.20	3.84	4.35	4.77
338	Negros Oriental	C943	0.051	Livestock WD	m3/day	-	-	-	-
339	Cebu	C945	27.522	Livestock WD	m3/day	-	-	-	-
340	Negros Oriental	C948	0.024	Livestock WD	m3/day	-	-	-	-
341	Negros Oriental	C950	29.828	Livestock WD	m3/day	-	-	-	-
342	Bohol	C955	5.406	Livestock WD	m3/day	74.58	290.17	328.76	360.68
343	Bohol	C956	22.949	Livestock WD	m3/day	0.54	2.08	2.36	2.59
344	Cebu	C959	10.614	Livestock WD	m3/day	-	-	-	-
345	Negros Oriental	C960	14.152	Livestock WD	m3/day	0.23	0.84	0.95	1.04
346	Cebu	C962	43.666	Livestock WD	m3/day	-	-	-	-
347	Negros Oriental	C963	47.379	Livestock WD	m3/day	8.40	26.90	30.48	33.44
348	Bohol	C970	0.009	Livestock WD	m3/day	-	-	-	-
349	Cebu	C975	27.308	Livestock WD	m3/day	-	-	-	-
350	Cebu	C977	8.826	Livestock WD	m3/day	0.36	1.92	2.18	2.39
351	Cebu	C981	1.649	Livestock WD	m3/day	-	-	-	-
352	Cebu	C983	11.048	Livestock WD	m3/day	-	-	-	-
353	Negros Oriental	C985	49.909	Livestock WD	m3/day	-	-	-	-
354	Cebu	C988	16.386	Livestock WD	m3/day	0.35	1.89	2.14	2.35
355	Cebu	C989	2.825	Livestock WD	m3/day	-	-	-	-
356	Cebu	C990	19.254	Livestock WD	m3/day	-	-	-	-
357	Cebu	C992	22.498	Livestock WD	m3/day	-	-	-	-
358	Negros Oriental	C996	26.633	Livestock WD	m3/day	0.50	1.84	2.09	2.29
359	Bohol	C998	82.756	Livestock WD	m3/day	94.31	366.95	415.75	456.11
360	Cebu	C999	10.580	Livestock WD	m3/day	-	-	-	-
361	Bohol	C1000	5.537	Livestock WD	m3/day	-	-	-	-
362	Bohol	C1005	50.531	Livestock WD	m3/day	16.82	65.46	74.16	81.36
363	Cebu	C1008	13.182	Livestock WD	m3/day	-	-	-	-
364	Negros Occidental	C1014	56.322	Livestock WD	m3/day	-	-	-	-
365	Cebu	C1020	10.919	Livestock WD	m3/day	-	-	-	-
366	Bohol	C1023	53.852	Livestock WD	m3/day	-	-	-	-
367	Cebu	C1025	6.366	Livestock WD	m3/day	-	-	-	-
368	Cebu	C1027	17.365	Livestock WD	m3/day	-	-	-	-
369	Bohol	C1028	0.175	Livestock WD	m3/day	-	-	-	-
370	Cebu	C1032	5.515	Livestock WD	m3/day	-	-	-	-
371	Cebu	C1035	30.254	Livestock WD	m3/day	0.04	0.21	0.24	0.26
372	Bohol	C1036	0.035	Livestock WD	m3/day	-	-	-	-
373	Negros Occidental	C1041	70.596	Livestock WD	m3/day	-	-	-	-
374	Cebu	C1043	0.066	Livestock WD	m3/day	-	-	-	-
375	Negros Occidental	C1047	80.030	Livestock WD	m3/day	-	-	-	-
376	Cebu	C1048	1.211	Livestock WD	m3/day	-	-	-	-
377	Cebu	C1056	29.854	Livestock WD	m3/day	0.64	3.44	3.90	4.28
378	Bohol	C1060	56.229	Livestock WD	m3/day	76.11	296.10	335.48	368.06
379	Cebu	C1063	14.783	Livestock WD	m3/day	-	-	-	-
380	Negros Oriental	C1068	1.393	Livestock WD	m3/day	-	-	-	-
381	Negros Oriental	C1070	47.571	Livestock WD	m3/day	2.59	8.31	9.41	10.32
382	Negros Oriental	C1072	21.989	Livestock WD	m3/day	0.47	1.50	1.70	1.86
383	Negros Occidental	C1075	88.683	Livestock WD	m3/day	-	-	-	-
384	Cebu	C1079	7.059	Livestock WD	m3/day	-	-	-	-
385	Negros Oriental	C1084	16.912	Livestock WD	m3/day	-	-	-	-
386	Cebu	C1089	4.343	Livestock WD	m3/day	0.09	0.50	0.57	0.62
387	Bohol	C1095	33.825	Livestock WD	m3/day	241.74	940.52	1,065.61	1,169.06
388	Negros Oriental	C1096	68.883	Livestock WD	m3/day	1.52	4.86	5.50	6.04
389	Negros Oriental	C1098	170.082	Livestock WD	m3/day	3.42	11.08	12.55	13.77
390	Bohol	C1107	1.670	Livestock WD	m3/day	-	-	-	-
391	Negros Occidental	C1108	25.238	Livestock WD	m3/day	16.45	52.71	59.72	65.51
392	Bohol	C1110	0.001	Livestock WD	m3/day	-	-	-	-
393	Bohol	C1111	0.041	Livestock WD	m3/day	-	-	-	-
394	Cebu	C1120	90.033	Livestock WD	m3/day	146.82	784.85	889.23	975.56
395	Negros Oriental	C1128	29.382	Livestock WD	m3/day	-	-	-	-
396	Negros Oriental	C1131	35.228	Livestock WD	m3/day	1.92	6.15	6.97	7.65
397	Negros Occidental	C1132	72.682	Livestock WD	m3/day	-	-	-	-
398	Negros Oriental	C1136	3.159	Livestock WD	m3/day	-	-	-	-
399	Negros Oriental	C1140	35.071	Livestock WD	m3/day	383.98	1,229.98	1,393.57	1,528.87
400	Bohol	C1144	0.051	Livestock WD	m3/day	-	-	-	-
401	Bohol	C1147	172.530	Livestock WD	m3/day	5.68	22.09	25.03	27.46
402	Cebu	C1152	8.465	Livestock WD	m3/day	-	-	-	-
403	Negros Oriental	C1158	25.026	Livestock WD	m3/day	-	-	-	-
404	Bohol	C1160	21.789	Livestock WD	m3/day	-	-	-	-
405	Negros Oriental	C1163	33.667	Livestock WD	m3/day	-	-	-	-
406	Bohol	C1169	33.504	Livestock WD	m3/day	0.17	0.66	0.74	0.81
407	Bohol	C1173	18.930	Livestock WD	m3/day	-	-	-	-
408	Bohol	C1175	0.327	Livestock WD	m3/day	-	-	-	-

Source: JICA Survey Team

Table DBH-28 Estimated Sub-Basin-wise Livestock & Poultry Water Demands (GW) [WRR VII] (m^3/day)

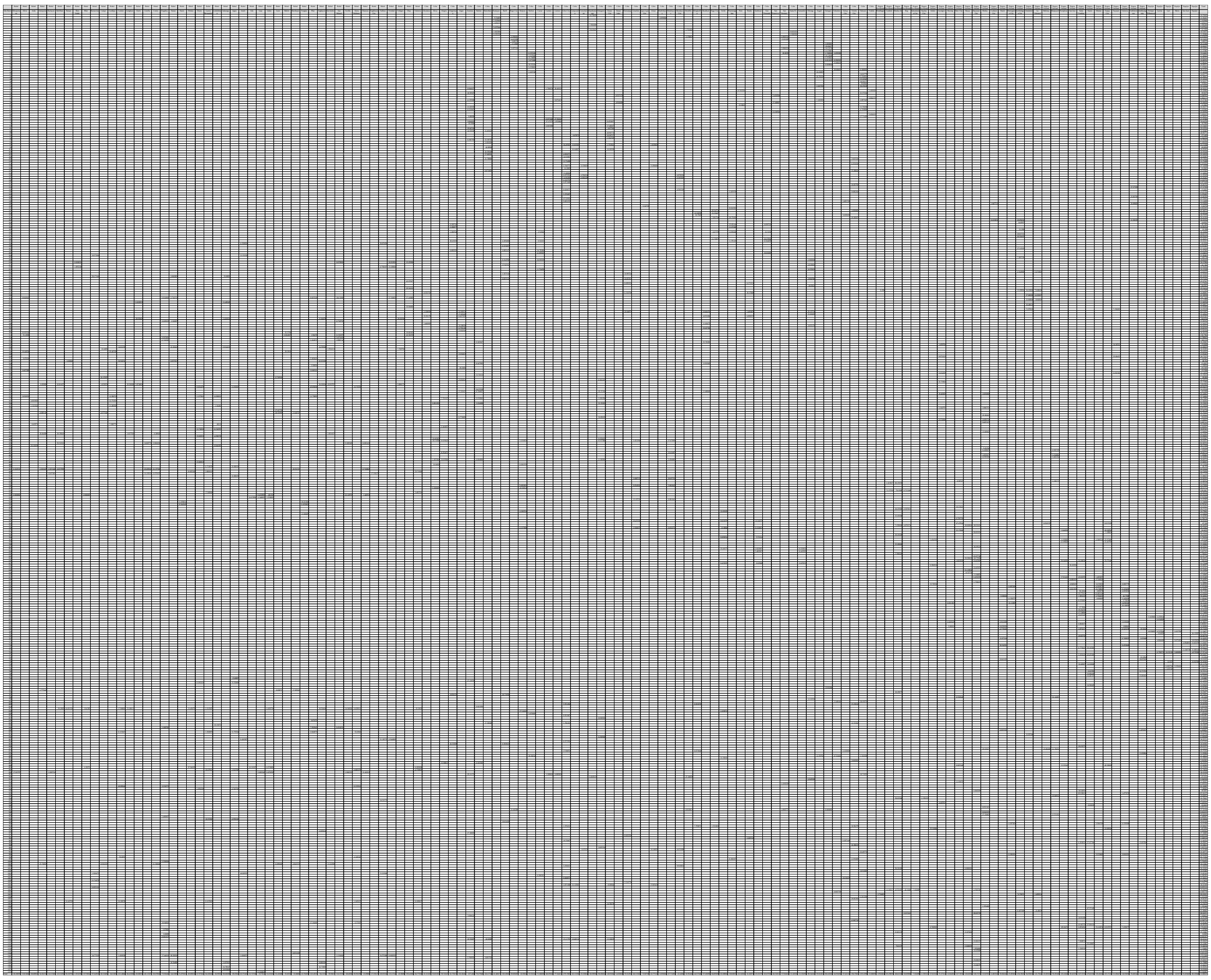
	Province	Sub-Basin	Total Area [km2]		Year	2020	2030	2040	2050
1	Cebu	C0	10.760	Livestock WD	m3/day	-	-	-	-
2	Cebu	C1	11.564	Livestock WD	m3/day	-	-	-	-
3	Cebu	C2	7.314	Livestock WD	m3/day	-	-	-	-
4	Cebu	C3	7.670	Livestock WD	m3/day	-	-	-	-
5	Cebu	C4	7.956	Livestock WD	m3/day	-	-	-	-
6	Cebu	C5	5.638	Livestock WD	m3/day	-	-	-	-
7	Cebu	C6	21.370	Livestock WD	m3/day	-	-	-	-
8	Cebu	C7	10.327	Livestock WD	m3/day	-	-	-	-
9	Cebu	C8	11.959	Livestock WD	m3/day	-	-	-	-
10	Cebu	C12	6.373	Livestock WD	m3/day	-	-	-	-
11	Cebu	C14	18.327	Livestock WD	m3/day	-	-	-	-
12	Cebu	C15	9.084	Livestock WD	m3/day	-	-	-	-
13	Cebu	C17	20.225	Livestock WD	m3/day	-	-	-	-
14	Cebu	C20	18.684	Livestock WD	m3/day	-	-	-	-
15	Cebu	C21	29.246	Livestock WD	m3/day	-	-	-	-
16	Cebu	C22	11.579	Livestock WD	m3/day	-	-	-	-
17	Cebu	C23	33.647	Livestock WD	m3/day	-	-	-	-
18	Cebu	C27	11.666	Livestock WD	m3/day	-	-	-	-
19	Cebu	C30	18.863	Livestock WD	m3/day	-	-	-	-
20	Cebu	C31	16.084	Livestock WD	m3/day	-	-	-	-
21	Cebu	C32	13.864	Livestock WD	m3/day	-	-	-	-
22	Cebu	C34	20.082	Livestock WD	m3/day	-	-	-	-
23	Cebu	C36	5.155	Livestock WD	m3/day	-	-	-	-
24	Cebu	C37	28.375	Livestock WD	m3/day	-	-	-	-
25	Cebu	C42	11.422	Livestock WD	m3/day	-	-	-	-
26	Cebu	C45	14.628	Livestock WD	m3/day	-	-	-	-
27	Cebu	C46	31.900	Livestock WD	m3/day	1.09	5.84	6.62	7.26
28	Cebu	C48	15.165	Livestock WD	m3/day	0.60	3.20	3.63	3.98
29	Cebu	C49	10.201	Livestock WD	m3/day	-	-	-	-
30	Cebu	C50	19.804	Livestock WD	m3/day	0.78	4.18	4.74	5.20
31	Cebu	C51	33.143	Livestock WD	m3/day	1.29	6.90	7.82	8.58
32	Cebu	C52	40.203	Livestock WD	m3/day	-	-	-	-
33	Cebu	C53	10.190	Livestock WD	m3/day	-	-	-	-
34	Cebu	C54	39.968	Livestock WD	m3/day	-	-	-	-
35	Cebu	C55	5.950	Livestock WD	m3/day	-	-	-	-
36	Cebu	C56	6.804	Livestock WD	m3/day	-	-	-	-
37	Cebu	C57	23.275	Livestock WD	m3/day	-	-	-	-
38	Cebu	C58	32.607	Livestock WD	m3/day	-	-	-	-
39	Cebu	C61	13.382	Livestock WD	m3/day	-	-	-	-
40	Cebu	C62	33.362	Livestock WD	m3/day	0.46	2.47	2.80	3.07
41	Cebu	C63	5.253	Livestock WD	m3/day	-	-	-	-
42	Cebu	C67	13.398	Livestock WD	m3/day	-	-	-	-
43	Cebu	C68	5.650	Livestock WD	m3/day	-	-	-	-
44	Cebu	C69	27.603	Livestock WD	m3/day	-	-	-	-
45	Cebu	C72	27.980	Livestock WD	m3/day	-	-	-	-
46	Cebu	C77	50.647	Livestock WD	m3/day	-	-	-	-
47	Cebu	C79	18.398	Livestock WD	m3/day	-	-	-	-
48	Cebu	C81	23.546	Livestock WD	m3/day	12.10	64.70	73.31	80.42
49	Cebu	C82	19.125	Livestock WD	m3/day	-	-	-	-
50	Cebu	C84	32.838	Livestock WD	m3/day	9.08	48.54	54.99	60.33
51	Cebu	C88	40.968	Livestock WD	m3/day	-	-	-	-
52	Cebu	C91	17.146	Livestock WD	m3/day	-	-	-	-
53	Cebu	C92	5.565	Livestock WD	m3/day	-	-	-	-
54	Cebu	C93	23.594	Livestock WD	m3/day	-	-	-	-
55	Cebu	C95	5.181	Livestock WD	m3/day	-	-	-	-
56	Cebu	C97	53.716	Livestock WD	m3/day	21.56	115.25	130.58	143.26
57	Cebu	C99	46.809	Livestock WD	m3/day	18.80	100.50	113.87	124.92
58	Cebu	C101	26.933	Livestock WD	m3/day	1.10	5.86	6.64	7.28
59	Cebu	C103	32.593	Livestock WD	m3/day	-	-	-	-
60	Cebu	C107	22.436	Livestock WD	m3/day	17.48	93.45	105.88	116.16
61	Cebu	C108	34.928	Livestock WD	m3/day	19.73	105.48	119.50	131.11
62	Cebu	C109	29.726	Livestock WD	m3/day	-	-	-	-
63	Cebu	C110	11.725	Livestock WD	m3/day	6.62	35.41	40.12	44.01
64	Cebu	C114	6.251	Livestock WD	m3/day	0.31	1.63	1.85	2.03
65	Cebu	C116	27.145	Livestock WD	m3/day	2.67	14.30	16.20	17.77
66	Cebu	C120	11.503	Livestock WD	m3/day	6.50	34.74	39.36	43.18
67	Cebu	C121	15.570	Livestock WD	m3/day	0.84	4.52	5.12	5.61
68	Cebu	C122	12.486	Livestock WD	m3/day	7.05	37.71	42.72	46.87
69	Cebu	C126	11.552	Livestock WD	m3/day	0.37	1.97	2.23	2.44
70	Cebu	C127	15.353	Livestock WD	m3/day	8.45	45.19	51.20	56.17
71	Cebu	C128	8.659	Livestock WD	m3/day	4.89	26.15	29.63	32.50
72	Cebu	C129	6.871	Livestock WD	m3/day	-	-	-	-
73	Cebu	C131	16.828	Livestock WD	m3/day	-	-	-	-
74	Negros Oriental	C132	17.174	Livestock WD	m3/day	-	-	-	-
75	Cebu	C139	13.202	Livestock WD	m3/day	-	-	-	-
76	Cebu	C140	13.273	Livestock WD	m3/day	-	-	-	-
77	Cebu	C141	5.376	Livestock WD	m3/day	-	-	-	-
78	Negros Oriental	C142	15.838	Livestock WD	m3/day	-	-	-	-
79	Cebu	C145	47.529	Livestock WD	m3/day	26.85	143.53	162.62	178.41
80	Cebu	C148	13.147	Livestock WD	m3/day	5.49	29.33	33.23	36.45
81	Negros Oriental	C149	33.938	Livestock WD	m3/day	-	-	-	-
82	Cebu	C150	9.368	Livestock WD	m3/day	-	-	-	-
83	Cebu	C151	8.824	Livestock WD	m3/day	-	-	-	-
84	Cebu	C153	47.388	Livestock WD	m3/day	2.66	14.22	16.11	17.68
85	Cebu	C154	26.605	Livestock WD	m3/day	-	-	-	-
86	Cebu	C155	30.798	Livestock WD	m3/day	0.59	3.15	3.57	3.92
87	Cebu	C161	56.412	Livestock WD	m3/day	1.36	7.26	8.23	9.03
88	Negros Oriental	C162	32.232	Livestock WD	m3/day	-	-	-	-
89	Negros Oriental	C164	14.860	Livestock WD	m3/day	-	-	-	-
90	Cebu	C165	36.141	Livestock WD	m3/day	-	-	-	-
91	Cebu	C166	16.853	Livestock WD	m3/day	-	-	-	-
92	Negros Oriental	C169	21.298	Livestock WD	m3/day	-	-	-	-
93	Cebu	C170	56.370	Livestock WD	m3/day	2.19	11.71	13.26	14.55
94	Negros Oriental	C175	20.017	Livestock WD	m3/day	-	-	-	-
95	Negros Oriental	C177	60.504	Livestock WD	m3/day	-	-	-	-
96	Cebu	C180	31.819	Livestock WD	m3/day	1.92	10.27	11.64	12.77
97	Cebu	C181	33.323	Livestock WD	m3/day	37.68	201.41	228.20	250.35
98	Bohol	C194	41.033	Livestock WD	m3/day	-	-	-	-
99	Cebu	C196	6.515	Livestock WD	m3/day	-	-	-	-
100	Negros Oriental	C197	17.115	Livestock WD	m3/day	-	-	-	-
101	Cebu	C199	31.678	Livestock WD	m3/day	-	-	-	-
102	Cebu	C202	15.046	Livestock WD	m3/day	0.68	3.63	4.11	4.51
103	Bohol	C204	21.904	Livestock WD	m3/day	-	-	-	-
104	Negros Oriental	C205	7.586	Livestock WD	m3/day	-	-	-	-
105	Cebu	C208	18.810	Livestock WD	m3/day	-	-	-	-
106	Bohol	C210	36.279	Livestock WD	m3/day	-	-	-	-
107	Cebu	C211	44.747	Livestock WD	m3/day	253.07	1,352.82	1,532.74	1,681.55
108	Bohol	C216	31.934	Livestock WD	m3/day	-	-	-	-
109	Cebu	C221	16.131	Livestock WD	m3/day	0.20	1.05	1.19	1.31
110	Negros Oriental	C223	14.017	Livestock WD	m3/day	-	-	-	-
111	Cebu	C226	12.354	Livestock WD	m3/day	-	-	-	-
112	Bohol	C227	85.103	Livestock WD	m3/day	-	-	-	-
113	Cebu	C229	19.714	Livestock WD	m3/day	103.54	553.47	627.08	687.96
114	Bohol	C231	45.979	Livestock WD	m3/day	-	-	-	-
115	Cebu	C240	8.271	Livestock WD	m3/day	-	-	-	-
116	Cebu	C243	20.591	Livestock WD	m3/day	0.27	1.45	1.64	1.80
117	Bohol	C247	29.542	Livestock WD	m3/day	-	-	-	-
118	Negros Occidental	C250	111.510	Livestock WD	m3/day	-	-	-	-
119	Cebu	C251	24.889	Livestock WD	m3/day	0.93	5.00	5.66	6.21
120	Negros Oriental	C256	41.386	Livestock WD	m3/day	-	-	-	-
121	Bohol	C261	191.745	Livestock WD	m3/day	-	-	-	-
122	Negros Oriental	C262	12.110	Livestock WD	m3/day	-	-	-	-
123	Bohol	C271	11.669	Livestock WD	m3/day	-	-	-	-
124	Negros Oriental	C272	10.486	Livestock WD	m3/day	-	-	-	-
125	Bohol	C274	32.045	Livestock WD	m3/day	-	-	-	-
126	Negros Oriental	C279	14.331	Livestock WD	m3/day	-	-	-	-
127	Cebu	C283	64.118	Livestock WD	m3/day	96.18	514.16	582.54	639.10
128	Cebu	C284	33.289	Livestock WD	m3/day	261.41	1,397.40	1,583.25	1,736.97
129	Cebu	C285	28.071	Livestock WD	m3/day	11.52	61.56	69.75	76.52
130	Bohol	C292	84.079	Livestock WD	m3/day	-	-	-	-
131	Bohol	C297	15.997	Livestock WD	m3/day	-	-	-	-
132	Cebu	C298	13.304	Livestock WD	m3/day	0.07	0.40	0.45	0.49
133	Cebu	C303	36.044	Livestock WD	m3/day	-	-	-	-
134	Cebu	C305	19.657	Livestock WD	m3/day	0.12	0.66	0.75	0.82
135	Cebu	C307	13.922	Livestock WD	m3/day	-	-	-	-
136	Bohol	C309	36.262	Livestock WD	m3/day	-	-	-	-
137	Bohol	C312	136.798	Livestock WD	m3/day	-	-	-	-
138	Bohol	C314	6.789	Livestock WD	m3/day	-	-	-	-
139	Bohol	C315	7.865	Livestock WD	m3/day	-	-	-	-
140	Cebu	C318	16.107	Livestock WD	m3/day	-	-	-	-
141	Negros Oriental	C319	15.605	Livestock WD	m3/day	-	-	-	-
142	Bohol	C320	50.888	Livestock WD	m3/day	12.94	69.18	78.39	86.00
143	Bohol	C325	34.163	Livestock WD	m3/day	-	-	-	-
144	Bohol	C326	78.439	Livestock WD	m3/day	-	-	-	-
145	Cebu	C328	13.935	Livestock WD	m3/day	498.22	2,663.31	3,017.54	3,310.50
146	Negros Oriental	C329	38.777	Livestock WD	m3/day	-	-	-	-
147	Bohol	C331	5.442	Livestock WD	m3/day	-	-	-	-
148	Bohol	C333	48.354	Livestock WD	m3/day	-	-	-	-
149	Cebu	C334	11.601	Livestock WD	m3/day	-	-	-	-
150	Bohol	C335	5.581	Livestock WD	m3/day	-	-	-	-
151	Cebu	C336	29.239	Livestock WD	m3/day	498.22	2,663.31	3,017.54	3,310.50
152	Bohol	C337	15.531	Livestock WD	m3/day	-	-	-	-
153	Negros Oriental	C338	10.147	Livestock WD	m3/day	-	-	-	-
154	Cebu	C346	11.741	Livestock WD	m3/day	-	-	-	-
155	Bohol	C351	28.866	Livestock WD	m3/day	-	-	-	-
156	Cebu	C355	24.196	Livestock WD	m3/day	-	-	-	-
157	Negros Oriental	C356	21.719	Livestock WD	m3/day	-	-	-	-
158	Bohol	C358	126.836	Livestock WD	m3/day	-	-	-	-
159	Bohol	C362	69.943	Livestock WD	m3/day	-	-	-	-
160	Cebu	C363	24.235	Livestock WD	m3/day	-	-	-	-
161	Cebu	C369	43.937	Livestock WD	m3/day	197.81	1,057.41	1,198.04	1,314.36
162	Negros Oriental	C373	21.228	Livestock WD	m3/day	-	-	-	-
163	Bohol	C375	37.550	Livestock WD	m3/day	238.50	927.92	1,051.34	1,153.41
164	Cebu	C378	30.751	Livestock WD	m3/day	18.36	98.17	111.23	122.03
165	Bohol	C381	17.584	Livestock WD	m3/day	-	-	-	-
166	Cebu	C384	35.358	Livestock WD	m3/day	2.06	11.03	12.49	13.71
167	Bohol	C387	24.760	Livestock WD	m3/day	55.64	216.48	245.27	269.09
168	Negros Oriental	C388	6.972	Livestock WD	m3/day	-	-	-	-
169	Bohol	C389	27.628	Livestock WD	m3/day	-	-	-	-
170	Bohol	C395	31.762	Livestock WD	m3/day	-	-	-	-
171	Negros Oriental	C396	19.302	Livestock WD	m3/day	-	-	-	-
172	Cebu	C402	33.622	Livestock WD	m3/day	13.60	72.71	82.38	90.38
173	Negros Oriental	C403	5.241	Livestock WD	m3/day	-	-	-	-
174	Negros Oriental	C408	9.687	Livestock WD	m3/day	-	-	-	-
175	Bohol	C410	56.048	Livestock WD	m3/day	1,713.24	6,665.59	7,552.12	8,285.33
176	Cebu	C414	5.341	Livestock WD	m3/day	-	-	-	-
177	Bohol	C423	18.875	Livestock WD	m3/day	218.40	849.73	962.75	1,056.22
178	Negros Oriental	C427	13.849	Livestock WD	m3/day	-	-	-	-
179	Bohol	C429	43.310	Livestock WD	m3/day	-	-	-	-
180	Bohol	C438	23.991	Livestock WD	m3/day	153.04	595.41	674.60	740.10
181	Cebu	C444	19.659	Livestock WD	m3/day	-	-	-	-
182	Cebu	C448	59.244	Livestock WD	m3/day	10.96	58.57	66.36	72.81
183	Bohol	C450	82.087	Livestock WD	m3/day	-	-	-	-
184	Bohol	C456	38.171	Livestock WD	m3/day	-	-	-	-
185	Negros Oriental	C458	5.212	Livestock WD	m3/day	-	-	-	-
186	Negros Oriental	C464	7.335	Livestock WD	m3/day	-	-	-	-
187	Cebu	C465	20.667	Livestock WD	m3/day	29.25	156.34	177.13	194.33
188	Negros Oriental	C469	5.291	Livestock WD	m3/day	-	-	-	-
189	Negros Oriental	C470	10.460	Livestock WD	m3/day	-	-	-	-
190	Cebu	C479	39.697	Livestock WD	m3/day	60.40	322.88	365.83	401.34
191	Bohol	C480	15.009	Livestock WD	m3/day	-	-	-	-
192	Cebu	C486	22.136	Livestock WD	m3/day	-	-	-	-
193	Bohol	C488	28.793	Livestock WD	m3/day	-	-	-	-
194	Bohol	C491	62.522	Livestock WD	m3/day	-	-	-	-
195	Bohol	C499	64.701	Livestock WD	m3/day	-	-	-	-
196	Bohol	C502	42.771	Livestock WD	m3/day	-	-	-	-
197	Bohol	C512	11.006	Livestock WD	m3/day	-	-	-	-
198	Cebu	C514	22.066	Livestock WD	m3/day	-	-	-	-
199	Negros Oriental	C516	12.088	Livestock WD	m3/day	-	-	-	-
200	Negros Occidental	C524	62.652	Livestock WD	m3/day	-	-	-	-
201	Cebu	C526	14.740	Livestock WD	m3/day	0.06	0.34	0.38	0.42
202	Cebu	C527	20.517	Livestock WD	m3/day	-	-	-	-
203	Negros Occidental	C531	150.282	Livestock WD	m3/day	-	-	-	-
204	Bohol	C534	20.493	Livestock WD	m3/day	-	-	-	-
205	Bohol	C536	83.352	Livestock WD	m3/day	-	-	-	-
206	Bohol	C539	8.323	Livestock WD	m3/day	-	-	-	-
207	Cebu	C540	15.278	Livestock WD	m3/day	-	-	-	-
208	Bohol	C542	11.346	Livestock WD	m3/day	-	-	-	-
209	Bohol	C543	8.797	Livestock WD	m3/day	-	-	-	-
210	Negros Oriental	C544	19.576	Livestock WD	m3/day	-	-	-	-
211	Negros Occidental	C552	26.771	Livestock WD	m3/day	-	-	-	-
212	Cebu	C554	16.798	Livestock WD	m3/day	-	-	-	-
213	Bohol	C556	12.040	Livestock WD	m3/day	-	-	-	-
214	Negros Occidental	C557	12.433	Livestock WD	m3/day	-	-	-	-
215	Negros Oriental	C558	6.707	Livestock WD	m3/day	-	-	-	-
216	Cebu	C561	34.634	Livestock WD	m3/day	-	-	-	-
217	Negros Oriental	C562	47.549	Livestock WD	m3/day	-	-	-	-
218	Negros Occidental	C565	68.410	Livestock WD	m3/day	-	-	-	-
219	Cebu	C568	26.121	Livestock WD	m3/day	-	-	-	-
220	Negros Oriental	C577	64.463	Livestock WD	m3/day	-	-	-	-
221	Negros Oriental	C579	82.142	Livestock WD	m3/day	-	-	-	-
222	Negros Occidental	C582	10.216	Livestock WD	m3/day	-	-	-	-
223	Cebu	C584	5.730	Livestock WD	m3/day	-	-	-	-
224	Negros Oriental	C592	47.975	Livestock WD	m3/day	-	-	-	-
225	Negros Oriental	C595	17.537	Livestock WD	m3/day	-	-	-	-
226	Negros Occidental	C598	15.201	Livestock WD	m3/day	-	-	-	-
227	Negros Oriental	C601	30.295	Livestock WD	m3/day	-	-	-	-
228	Cebu	C603	18.188	Livestock WD	m3/day	-	-	-	-
229	Cebu	C604	5.628	Livestock WD	m3/day	-	-	-	-
230	Negros Occidental	C610	7.760	Livestock WD	m3/day	-	-	-	-
231	Negros Oriental	C620	65.977	Livestock WD	m3/day	-	-	-	-
232	Negros Oriental	C624	58.370	Livestock WD	m3/day	-	-	-	-
233	Negros Oriental	C626	210.618	Livestock WD	m3/day	-	-	-	-
234	Cebu	C627	11.731	Livestock WD	m3/day	-	-	-	-
235	Negros Oriental	C630	26.801	Livestock WD	m3/day	-	-	-	-
236	Negros Oriental	C636	12.475	Livestock WD	m3/day	-	-	-	-
237	Negros Oriental	C640	31.140	Livestock WD	m3/day	-	-	-	-
238	Negros Oriental	C644	8.728	Livestock WD	m3/day	-	-	-	-
239	Negros Oriental	C645	11.048	Livestock WD	m3/day	-	-	-	-
240	Negros Oriental	C647	63.935	Livestock WD	m3/day	-	-	-	-
241	Negros Oriental	C648	25.459	Livestock WD	m3/day	-	-	-	-
242	Negros Oriental	C651	5.738	Livestock WD	m3/day	-	-	-	-
243	Negros Oriental	C652	34.889	Livestock WD	m3/day	-	-	-	-
244	Negros Oriental	C659	5.131	Livestock WD	m3/day	-	-	-	-
245	Negros Oriental	C663	26.000	Livestock WD	m3/day	-	-	-	-
246	Negros Oriental	C665	58.753	Livestock WD	m3/day	-	-	-	-
247	Negros Oriental	C666	23.958	Livestock WD	m3/day	-	-	-	-
248	Negros Oriental	C667	50.407	Livestock WD	m3/day	-	-	-	-
249	Negros Oriental	C668	6.309	Livestock WD	m3/day	-	-	-	-
250	Negros Oriental	C670	6.001	Livestock WD	m3/day	-	-	-	-
251	Negros Oriental	C672	31.115	Livestock WD	m3/day	-	-	-	-
252	Negros Oriental	C675	26.181	Livestock WD	m3/day	-	-	-	-
253	Negros Oriental	C679	17.769	Livestock WD	m3/day	-	-	-	-
254	Negros Oriental	C681	20.264	Livestock WD	m3/day	-	-	-	-
255	Negros Oriental	C688	17.747	Livestock WD	m3/day	-	-	-	-
256	Negros Oriental	C689	25.872	Livestock WD	m3/day	-	-	-	-
257	Siquijor	C690	8.402	Livestock WD	m3/day	-	-	-	-
258	Siquijor	C691	6.624	Livestock WD	m3/day	-	-	-	-
259	Negros Oriental	C692	21.583	Livestock WD	m3/day	1,034.62	3,314.16	3,754.94	4,119.50
260	Negros Oriental	C693	6.804	Livestock WD	m3/day	-	-	-	-
261	Negros Oriental	C695	16.910	Livestock WD	m3/day	1,072.22	3,434.60	3,891.41	4,269.21
262	Negros Oriental	C696	26.743	Livestock WD	m3/day	-	-	-	-
263	Siquijor	C701	11.547	Livestock WD	m3/day	-	-	-	-
264	Siquijor	C703	25.765	Livestock WD	m3/day	-	-	-	-
265	Negros Oriental	C705	40.808	Livestock WD	m3/day	-	-	-	-
266	Negros Oriental	C707	16.270	Livestock WD	m3/day	-	-	-	-
267	Siquijor	C712	13.905	Livestock WD	m3/day	-	-	-	-
268	Siquijor	C713	13.260	Livestock WD	m3/day	-	-	-	-
269	Negros Oriental	C718	31.398	Livestock WD	m3/day	-	-	-	-
270	Negros Oriental	C720	39.941	Livestock WD	m3/day	-	-	-	-
271	Siquijor	C721	16.136	Livestock WD	m3/day	-	-	-	-
272	Siquijor	C722	27.971	Livestock WD	m3/day	-	-	-	-
273	Negros Oriental	C723	26.626	Livestock WD	m3/day	-	-	-	-
274	Negros Oriental	C725	13.195	Livestock WD	m3/day	-	-	-	-
275	Negros Oriental	C726	19.519	Livestock WD	m3/day	-	-	-	-
276	Siquijor	C730	26.495	Livestock WD	m3/day	-	-	-	-
277	Negros Oriental	C732	45.118	Livestock WD	m3/day	-	-	-	-
278	Siquijor	C737	5.842	Livestock WD	m3/day	-	-	-	-
279	Siquijor	C739	7.126	Livestock WD	m3/day	-	-	-	-
280	Negros Oriental	C740	32.331	Livestock WD	m3/day	-	-	-	-
281	Negros Oriental	C748	9.848	Livestock WD	m3/day	-	-	-	-
282	Negros Oriental	C749	28.428	Livestock WD	m3/day	-	-	-	-
283	Bohol	C756	15.081	Livestock WD	m3/day	-	-	-	-
284	Cebu	C757	27.140	Livestock WD	m3/day	-	-	-	-
285	Bohol	C759	23.763	Livestock WD	m3/day	-	-	-	-
286	Negros Oriental	C761	14.566	Livestock WD	m3/day	-	-	-	-
287	Cebu	C764	13.913	Livestock WD	m3/day	-	-	-	-
288	Bohol	C767	19.676	Livestock WD	m3/day	-	-	-	-
289	Negros Occidental	C769	18.299	Livestock WD	m3/day	-	-	-	-
290	Cebu	C787	26.770	Livestock WD	m3/day	297.90	1,592.49	1,804.29	1,979.46
291	Negros Oriental	C788	45.246	Livestock WD	m3/day	-	-	-	-
292	Cebu	C790	3.113	Livestock WD	m3/day	-	-	-	-
293	Cebu	C806	21.334	Livestock WD	m3/day	-	-	-	-
294	Cebu	C809	29.998	Livestock WD	m3/day	4.36	23.31	26.41	28.98
295	Cebu	C814	0.661	Livestock WD	m3/day	-	-	-	-
296	Bohol	C817	402.543	Livestock WD	m3/day	2.09	11.18	12.66	13.89
297	Cebu	C818	29.412	Livestock WD	m3/day	-	-	-	-
298	Cebu	C820	5.459	Livestock WD	m3/day	-	-	-	-
299	Cebu	C821	0.952	Livestock WD	m3/day	-	-	-	-
300	Cebu	C827	0.037	Livestock WD	m3/day	-	-	-	-
301	Bohol	C829	0.075	Livestock WD	m3/day	-	-	-	-
302	Cebu	C835	35.905	Livestock WD	m3/day	-	-	-	-
303	Bohol	C836	10.137	Livestock WD	m3/day	360.90	1,404.14	1,590.89	1,745.35
304	Bohol	C840	11.236	Livestock WD	m3/day	-	-	-	-
305	Negros Oriental	C846	4.465	Livestock WD	m3/day	-	-	-	-
306	Bohol	C847	68.640	Livestock WD	m3/day	0.08	0.42	0.48	0.52
307	Negros Oriental	C851	13.957	Livestock WD	m3/day	-	-	-	-
308	Cebu	C856	0.291	Livestock WD	m3/day	-	-	-	-
309	Bohol	C863	36.557	Livestock WD	m3/day	-	-	-	-
310	Cebu	C864	0.274	Livestock WD	m3/day	-	-	-	-
311	Cebu	C865	26.929	Livestock WD	m3/day	4.37	23.34	26.44	29.01
312	Negros Oriental	C866	29.234	Livestock WD	m3/day	-	-	-	-
313	Negros Oriental	C873	54.242	Livestock WD	m3/day	-	-	-	-
314	Cebu	C875	21.713	Livestock WD	m3/day	10.16	54.31	61.53	67.51
315	Negros Oriental	C876	11.838	Livestock WD	m3/day	-	-	-	-
316	Cebu	C880	41.446	Livestock WD	m3/day	-	-	-	-
317	Cebu	C881	11.350	Livestock WD	m3/day	-	-	-	-
318	Cebu	C884	3.843	Livestock WD	m3/day	-	-	-	-
319	Cebu	C887	16.154	Livestock WD	m3/day	-	-	-	-
320	Negros Oriental	C888	63.010	Livestock WD	m3/day	-	-	-	-
321	Bohol	C893	42.156	Livestock WD	m3/day	-	-	-	-
322	Bohol	C896	41.746	Livestock WD	m3/day	-	-	-	-
323	Bohol	C898	38.394	Livestock WD	m3/day	-	-	-	-
324	Cebu	C907	43.212	Livestock WD	m3/day	4.02	21.50	24.36	26.72
325	Cebu	C909	27.372	Livestock WD	m3/day	1.19	6.36	7.21	7.91
326	Cebu	C912	6.848	Livestock WD	m3/day	0.09	0.48	0.55	0.60
327	Negros Oriental	C914	11.960	Livestock WD	m3/day	-	-	-	-
328	Cebu	C916	0.294	Livestock WD	m3/day	-	-	-	-
329	Bohol	C917	61.160	Livestock WD	m3/day	30.80	164.66	186.56	204.67
330	Bohol	C918	5.800	Livestock WD	m3/day	-	-	-	-
331	Negros Oriental	C920	39.388	Livestock WD	m3/day	-	-	-	-
332	Negros Oriental	C925	87.016	Livestock WD	m3/day	-	-	-	-
333	Negros Oriental	C929	10.849	Livestock WD	m3/day	-	-	-	-
334	Negros Occidental	C934	31.792	Livestock WD	m3/day	-	-	-	-
335	Bohol	C935	14.516	Livestock WD	m3/day	-	-	-	-
336	Negros Oriental	C938	4.446	Livestock WD	m3/day	-	-	-	-
337	Negros Oriental	C940	22.002	Livestock WD	m3/day	-	-	-	-
338	Negros Oriental	C943	0.051	Livestock WD	m3/day	-	-	-	-
339	Cebu	C945	27.522	Livestock WD	m3/day	-	-	-	-
340	Negros Oriental	C948	0.024	Livestock WD	m3/day	-	-	-	-
341	Negros Oriental	C950	29.828	Livestock WD	m3/day	-	-	-	-
342	Bohol	C955	5.406	Livestock WD	m3/day	-	-	-	-
343	Bohol	C956	22.949	Livestock WD	m3/day	-	-	-	-
344	Cebu	C959	10.614	Livestock WD	m3/day	-	-	-	-
345	Negros Oriental	C960	14.152	Livestock WD	m3/day	-	-	-	-
346	Cebu	C962	43.666	Livestock WD	m3/day	-	-	-	-
347	Negros Oriental	C963	47.379	Livestock WD	m3/day	-	-	-	-
348	Bohol	C970	0.009	Livestock WD	m3/day	-	-	-	-
349	Cebu	C975	27.308	Livestock WD	m3/day	-	-	-	-
350	Cebu	C977	8.826	Livestock WD	m3/day	-	-	-	-
351	Cebu	C981	1.649	Livestock WD	m3/day	-	-	-	-
352	Cebu	C983	11.048	Livestock WD	m3/day	-	-	-	-
353	Negros Oriental	C985	49.909	Livestock WD	m3/day	-	-	-	-
354	Cebu	C988	16.386	Livestock WD	m3/day	0.80	4.28	4.85	5.32
355	Cebu	C989	2.825	Livestock WD	m3/day	-	-	-	-
356	Cebu	C990	19.254	Livestock WD	m3/day	0.79	4.24	4.81	5.27
357	Cebu	C992	22.498	Livestock WD	m3/day	-	-	-	-
358	Negros Oriental	C996	26.633	Livestock WD	m3/day	-	-	-	-
359	Bohol	C998	82.756	Livestock WD	m3/day	44.65	238.67	270.41	296.66
360	Cebu	C999	10.580	Livestock WD	m3/day	-	-	-	-
361	Bohol	C1000	5.537	Livestock WD	m3/day	-	-	-	-
362	Bohol	C1005	50.531	Livestock WD	m3/day	-	-	-	-
363	Cebu	C1008	13.182	Livestock WD	m3/day	-	-	-	-
364	Negros Occidental	C1014	56.322	Livestock WD	m3/day	-	-	-	-
365	Cebu	C1020	10.919	Livestock WD	m3/day	-	-	-	-
366	Bohol	C1023	53.852	Livestock WD	m3/day	-	-	-	-
367	Cebu	C1025	6.366	Livestock WD	m3/day	-	-	-	-
368	Cebu	C1027	17.365	Livestock WD	m3/day	-	-	-	-
369	Bohol	C1028	0.175	Livestock WD	m3/day	-	-	-	-
370	Cebu	C1032	5.515	Livestock WD	m3/day	-	-	-	-
371	Cebu	C1035	30.254	Livestock WD	m3/day	1.71	9.13	10.34	11.34
372	Bohol	C1036	0.035	Livestock WD	m3/day	-	-	-	-
373	Negros Occidental	C1041	70.596	Livestock WD	m3/day	-	-	-	-
374	Cebu	C1043	0.066	Livestock WD	m3/day	-	-	-	-
375	Negros Occidental	C1047	80.030	Livestock WD	m3/day	-	-	-	-
376	Cebu	C1048	1.211	Livestock WD	m3/day	-	-	-	-
377	Cebu	C1056	29.854	Livestock WD	m3/day	1.46	7.80	8.84	9.70
378	Bohol	C1060	56.229	Livestock WD	m3/day	27.07	144.73	163.98	179.90
379	Cebu	C1063	14.783	Livestock WD	m3/day	-	-	-	-
380	Negros Oriental	C1068	1.393	Livestock WD	m3/day	-	-	-	-
381	Negros Oriental	C1070	47.571	Livestock WD	m3/day	-	-	-	-
382	Negros Oriental	C1072	21.989	Livestock WD	m3/day	-	-	-	-
383	Negros Occidental	C1075	88.683	Livestock WD	m3/day	-	-	-	-
384	Cebu	C1079	7.059	Livestock WD	m3/day	-	-	-	-
385	Negros Oriental	C1084	16.912	Livestock WD	m3/day	-	-	-	-
386	Cebu	C1089	4.343	Livestock WD	m3/day	0.21	1.14	1.29	1.41
387	Bohol	C1095	33.825	Livestock WD	m3/day	-	-	-	-
388	Negros Oriental	C1096	68.883	Livestock WD	m3/day	-	-	-	-
389	Negros Oriental	C1098	170.082	Livestock WD	m3/day	-	-	-	-
390	Bohol	C1107	1.670	Livestock WD	m3/day	-	-	-	-
391	Negros Occidental	C1108	25.238	Livestock WD	m3/day	-	-	-	-
392	Bohol	C1110	0.001	Livestock WD	m3/day	-	-	-	-
393	Bohol	C1111	0.041	Livestock WD	m3/day	-	-	-	-
394	Cebu	C1120	90.033	Livestock WD	m3/day	17.19	91.92	104.14	114.25
395	Negros Oriental	C1128	29.382	Livestock WD	m3/day	-	-	-	-
396	Negros Oriental	C1131	35.228	Livestock WD	m3/day	-	-	-	-
397	Negros Occidental	C1132	72.682	Livestock WD	m3/day	-	-	-	-
398	Negros Oriental	C1136	3.159	Livestock WD	m3/day	-	-	-	-
399	Negros Oriental	C1140	35.071	Livestock WD	m3/day	-	-	-	-
400	Bohol	C1144	0.051	Livestock WD	m3/day	-	-	-	-
401	Bohol	C1147	172.530	Livestock WD	m3/day	0.39	2.08	2.36	2.59
402	Cebu	C1152	8.465	Livestock WD	m3/day	-	-	-	-
403	Negros Oriental	C1158	25.026	Livestock WD	m3/day	-	-	-	-
404	Bohol	C1160	21.789	Livestock WD	m3/day	-	-	-	-
405	Negros Oriental	C1163	33.667	Livestock WD	m3/day	-	-	-	-
406	Bohol	C1169	33.504	Livestock WD	m3/day	-	-	-	-
407	Bohol	C1173	18.930	Livestock WD	m3/day	-	-	-	-
408	Bohol	C1175	0.327	Livestock WD	m3/day	-	-	-	-

Source: JICA Survey Team

1.1.3 Municipal and Industrial Water Demand

(1) Area [km^2] of Sub-Basin in Municipality

Table DBH-29 Area [km^2] of Sub-Basin in Municipality [WRR-VII]



Source: JICA Survey Team

(2) Estimated Municipality-wise Municipal and Industrial Water Demand

Table DBH-30 Estimated Municipality-wise Municipal and Industrial Water Demand (SW+GW=Total) [WRR-VII] (m^3/day)

Province	Municipality	Year	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Bohol	Albuquerque	Bohol-Albuquerque	798	821	844	866	889	912	935	958	981	1,003	1,026	1,049	1,072	1,095	1,118	1,141	1,163	1,186	1,209	1,232	1,255	1,278	1,301	1,323	1,346	1,369	1,392	1,415	1,438	1,461	1,483	1,506	1,529	1,552	1,575	1,598	1,621	1,643	1,666	1,689	1,712	1,803	1,856	1,887	2,034	2,179	2,321	2,463
Bohol	Alicia	Bohol-Alicia	1,728	1,777	1,827	1,876	1,925	1,975	2,024	2,074	2,123	2,173	2,222	2,272	2,321	2,371	2,420	2,470	2,519	2,569	2,618	2,668	2,717	2,767	2,816	2,866	2,915	2,965	3,014	3,064	3,113	3,163	3,212	3,262	3,311	3,360	3,410	3,459	3,509	3,558	3,608	3,657	3,707	3,905	4,019	4,086	4,405	4,717	5,025	5,333
Bohol	Anda	Bohol-Anda	1,262	1,298	1,334	1,370	1,406	1,443	1,479	1,515	1,551	1,587	1,623	1,659	1,696	1,732	1,768	1,804	1,840	1,876	1,912	1,949	1,985	2,021	2,057	2,093	2,129	2,165	2,201	2,238	2,274	2,310	2,346	2,382	2,418	2,454	2,491	2,527	2,563	2,599	2,635	2,671	2,707	2,852	2,936	2,984	3,218	3,445	3,670	3,895
Bohol	Antequera	Bohol-Antequera	1,063	1,093	1,124	1,154	1,184	1,215	1,245	1,276	1,306	1,337	1,367	1,397	1,428	1,458	1,489	1,519	1,550	1,580	1,610	1,641	1,671	1,702	1,732	1,763	1,793	1,824	1,854	1,884	1,915	1,945	1,976	2,006	2,037	2,067	2,097	2,128	2,158	2,189	2,219	2,250	2,280	2,402	2,472	2,513	2,709	2,901	3,091	3,280
Bohol	Baclayon	Bohol-Baclayon	503	715	926	1,137	1,349	1,560	1,771	1,983	2,194	2,406	2,617	2,828	3,040	3,251	3,462	3,674	3,885	4,097	4,308	4,519	4,731	4,942	5,153	5,365	5,576	5,787	5,999	6,210	6,422	6,633	6,844	7,056	7,267	7,478	7,690	7,901	8,113	8,324	8,535	8,747	8,958	9,541	9,821	11,241	12,119	13,661	14,553	15,443
Bohol	Balilihan	Bohol-Balilihan	1,325	1,363	1,401	1,439	1,477	1,515	1,553	1,591	1,629	1,667	1,705	1,743	1,781	1,819	1,857	1,895	1,933	1,971	2,009	2,047	2,084	2,122	2,160	2,198	2,236	2,274	2,312	2,350	2,388	2,426	2,464	2,502	2,540	2,578	2,616	2,654	2,692	2,730	2,768	2,806	2,844	2,996	3,084	3,135	3,380	3,619	3,855	4,091
Bohol	Batuan	Bohol-Batuan	983	1,011	1,039	1,067	1,095	1,123	1,152	1,180	1,208	1,236	1,264	1,292	1,321	1,349	1,377	1,405	1,433	1,461	1,489	1,518	1,546	1,574	1,602	1,630	1,658	1,687	1,715	1,743	1,771	1,799	1,827	1,855	1,884	1,912	1,940	1,968	1,996	2,024	2,052	2,081	2,109	2,221	2,287	2,324	2,506	2,684	2,859	3,034
Bohol	Bien Unido	Bohol-Bien Unido	1,888	1,942	1,996	2,050	2,104	2,158	2,212	2,266	2,320	2,374	2,428	2,482	2,536	2,590	2,644	2,698	2,752	2,806	2,860	2,914	2,968	3,022	3,076	3,130	3,184	3,238	3,292	3,346	3,400	3,454	3,508	3,562	3,616	3,670	3,724	3,778	3,832	3,886	3,940	3,994	4,048	4,264	4,389	4,462	4,810	5,151	5,487	5,823
Bohol	Bilar	Bohol-Bilar	1,313	1,350	1,388	1,426	1,463	1,501	1,538	1,576	1,614	1,651	1,689	1,726	1,764	1,802	1,839	1,877	1,914	1,952	1,990	2,027	2,065	2,102	2,140	2,178	2,215	2,253	2,290	2,328	2,366	2,403	2,441	2,478	2,516	2,554	2,591	2,629	2,666	2,704	2,742	2,779	2,817	2,967	3,054	3,105	3,347	3,584	3,819	4,052
Bohol	Buenavista	Bohol-Buenavista	2,110	2,170	2,230	2,291	2,351	2,412	2,472	2,532	2,593	2,653	2,714	2,774	2,835	2,895	2,955	3,016	3,076	3,137	3,197	3,257	3,318	3,378	3,439	3,499	3,559	3,620	3,680	3,741	3,801	3,862	3,922	3,982	4,043	4,103	4,164	4,224	4,284	4,345	4,405	4,466	4,526	4,768	4,908	4,989	5,378	5,759	6,136	6,511
Bohol	Calape	Bohol-Calape	2,347	2,415	2,482	2,549	2,616	2,684	2,751	2,818	2,885	2,953	3,020	3,087	3,154	3,221	3,289	3,356	3,423	3,490	3,558	3,625	3,692	3,759	3,826	3,894	3,961	4,028	4,095	4,163	4,230	4,297	4,364	4,431	4,499	4,566	4,633	4,700	4,768	4,835	4,902	4,969	5,036	5,305	5,461	5,551	5,985	6,409	6,828	7,245
Bohol	Candijay	Bohol-Candijay	2,134	2,195	2,256	2,317	2,378	2,439	2,501	2,562	2,623	2,684	2,745	2,806	2,867	2,928	2,989	3,051	3,112	3,173	3,234	3,295	3,356	3,417	3,478	3,540	3,601	3,662	3,723	3,784	3,845	3,906	3,967	4,028	4,090	4,151	4,212	4,273	4,334	4,395	4,456	4,517	4,578	4,823	4,964	5,047	5,441	5,826	6,207	6,587
Bohol	Carmen	Bohol-Carmen	3,490	3,590	3,690	3,789	3,889	3,989	4,089	4,189	4,289	4,389	4,489	4,589	4,689	4,789	4,889	4,989	5,089	5,189	5,289	5,389	5,488	5,588	5,688	5,788	5,888	5,988	6,088	6,188	6,288	6,388	6,488	6,588	6,688	6,788	6,888	6,988	7,088	7,187	7,287	7,387	7,487	7,887	8,118	8,253	8,898	9,528	10,150	10,771
Bohol	Catigbian	Bohol-Catigbian	1,689	1,737	1,785	1,834	1,882	1,930	1,979	2,027	2,075	2,124	2,172	2,220	2,269	2,317	2,365	2,414	2,462	2,510	2,559	2,607	2,655	2,704	2,752	2,800	2,849	2,897	2,945	2,994	3,042	3,090	3,139	3,187	3,235	3,284	3,332	3,380	3,429	3,477	3,525	3,574	3,622	3,815	3,927	3,992	4,304	4,609	4,910	5,210
Bohol	Clarin	Bohol-Clarin	1,500	1,543	1,586	1,629	1,672	1,715	1,758	1,801	1,844	1,887	1,930	1,973	2,016	2,059	2,102	2,145	2,188	2,231	2,273	2,316	2,359	2,402	2,445	2,488	2,531	2,574	2,617	2,660	2,703	2,746	2,789	2,832	2,875	2,918	2,961	3,004	3,047	3,090	3,133	3,175	3,218	3,390	3,490	3,547	3,824	4,095	4,363	4,630
Bohol	Corella	Bohol-Corella	213	302	391	481	570	659	748	838	927	1,016	1,106	1,195	1,284	1,373	1,463	1,552	1,641	1,730	1,820	1,909	1,998	2,087	2,177	2,266	2,355	2,445	2,534	2,623	2,712	2,802	2,891	2,980	3,069	3,159	3,248	3,337	3,426	3,516	3,605	3,694	3,783	4,029	4,148	4,748	5,118	5,769	6,146	6,522
Bohol	Cortes	Bohol-Cortes	1,302	1,339	1,377	1,414	1,451	1,489	1,526	1,563	1,601	1,638	1,675	1,712	1,750	1,787	1,824	1,862	1,899	1,936	1,973	2,011	2,048	2,085	2,123	2,160	2,197	2,234	2,272	2,309	2,346	2,384	2,421	2,458	2,496	2,533	2,570	2,607	2,645	2,682	2,719	2,757	2,794	2,943	3,029	3,080	3,320	3,555	3,788	4,019
Bohol	Dagohoy	Bohol-Dagohoy	1,409	1,449	1,490	1,530	1,570	1,611	1,651	1,691	1,732	1,772	1,812	1,853	1,893	1,933	1,974	2,014	2,054	2,095	2,135	2,175	2,216	2,256	2,296	2,337	2,377	2,418	2,458	2,498	2,539	2,579	2,619	2,660	2,700	2,740	2,781	2,821	2,861	2,902	2,942	2,982	3,023	3,184	3,277	3,332	3,592	3,846	4,098	4,348
Bohol	Danao	Bohol-Danao	1,439	1,480	1,522	1,563	1,604	1,645	1,686	1,728	1,769	1,810	1,851	1,893	1,934	1,975	2,016	2,057	2,099	2,140	2,181	2,222	2,263	2,305	2,346	2,387	2,428	2,470	2,511	2,552	2,593	2,634	2,676	2,717	2,758	2,799	2,840	2,882	2,923	2,964	3,005	3,047	3,088	3,252	3,348	3,404	3,669	3,929	4,186	4,442
Bohol	Dauis	Bohol-Dauis	1,181	1,676	2,171	2,665	3,160	3,655	4,149	4,644	5,139	5,634	6,128	6,623	7,118	7,612	8,107	8,602	9,097	9,591	10,086	10,581	11,075	11,570	12,065	12,559	13,054	13,549	14,044	14,538	15,033	15,528	16,022	16,517	17,012	17,507	18,001	18,496	18,991	19,485	19,980	20,475	20,970	22,334	22,990	26,313	28,368	31,976	34,065	36,149
Bohol	Dimiao	Bohol-Dimiao	1,055	1,085	1,116	1,146	1,176	1,206	1,237	1,267	1,297	1,327	1,358	1,388	1,418	1,448	1,478	1,509	1,539	1,569	1,599	1,630	1,660	1,690	1,720	1,751	1,781	1,811	1,841	1,871	1,902	1,932	1,962	1,992	2,023	2,053	2,083	2,113	2,143	2,174	2,204	2,234	2,264	2,385	2,455	2,496	2,691	2,882	3,070	3,258
Bohol	Duero	Bohol-Duero	1,338	1,376	1,414	1,453	1,491	1,529	1,568	1,606	1,644	1,683	1,721	1,759	1,798	1,836	1,874	1,912	1,951	1,989	2,027	2,066	2,104	2,142	2,181	2,219	2,257	2,296	2,334	2,372	2,411	2,449	2,487	2,525	2,564	2,602	2,640	2,679	2,717	2,755	2,794	2,832	2,870	3,023	3,112	3,164	3,411	3,653	3,891	4,129
Bohol	Garcia Hernandez	Bohol-Garcia Hernandez	1,730	1,780	1,829	1,879	1,928	1,978	2,027	2,077	2,126	2,176	2,226	2,275	2,325	2,374	2,424	2,473	2,523	2,572	2,622	2,672	2,721	2,771	2,820	2,870	2,919	2,969	3,018	3,068	3,117	3,167	3,217	3,266	3,316	3,365	3,415	3,464	3,514	3,563	3,613	3,663	3,712	3,910	4,025	4,092	4,411	4,724	5,032	5,340
Bohol	Guindulman	Bohol-Guindulman	2,419	2,488	2,557	2,627	2,696	2,765	2,834	2,904	2,973	3,042	3,112	3,181	3,250	3,319	3,389	3,458	3,527	3,596	3,666	3,735	3,804	3,873	3,943	4,012	4,081	4,150	4,220	4,289	4,358	4,428	4,497	4,566	4,635	4,705	4,774	4,843	4,912	4,982	5,051	5,120	5,189	5,466	5,627	5,720	6,167	6,603	7,035	7,465
Bohol	Inabanga	Bohol-Inabanga	3,443	3,541	3,640	3,738	3,837	3,936	4,034	4,133	4,231	4,330	4,429	4,527	4,626	4,724	4,823	4,922	5,020	5,119	5,217	5,316	5,415	5,513	5,612	5,710	5,809	5,907	6,006	6,105	6,203	6,302	6,400	6,499	6,598	6,696	6,795	6,893	6,992	7,091	7,189	7,288	7,386	7,780	8,009	8,142	8,778	9,399	10,013	10,626
Bohol	Jagna	Bohol-Jagna	2,542	2,615	2,687	2,760	2,833	2,906	2,978	3,051	3,124	3,197	3,270	3,342	3,415	3,488	3,561	3,634	3,706	3,779	3,852	3,925	3,997	4,070	4,143	4,216	4,289	4,361	4,434	4,507	4,580	4,653	4,725	4,798	4,871	4,944	5,016	5,089	5,162	5,235	5,308	5,380	5,453	5,744	5,913	6,011	6,480	6,939	7,392	7,845
Bohol	Jetafe	Bohol-Jetafe	2,372	2,440	2,508	2,576	2,644	2,712	2,780	2,848	2,916	2,984	3,052	3,120	3,188	3,256	3,324	3,391	3,459	3,527	3,595	3,663	3,731	3,799	3,867	3,935	4,003	4,071	4,139	4,207	4,275	4,343	4,411	4,478	4,546	4,614	4,682	4,750	4,818	4,886	4,954	5,022	5,090	5,361	5,519	5,610	6,048	6,477	6,900	7,322
Bohol	Lila	Bohol-Lila	866	891	916	940	965	990	1,015	1,040	1,065	1,089	1,114	1,139	1,164	1,189	1,214	1,238	1,263	1,288	1,313	1,338	1,362	1,387	1,412	1,437	1,462	1,487	1,511	1,536	1,561	1,586	1,611	1,636	1,660	1,685	1,710	1,735	1,760	1,785	1,809	1,834	1,859	1,958	2,016	2,049	2,209	2,366	2,520	2,675
Bohol	Loay	Bohol-Loay	1,267	1,303	1,340	1,376	1,412	1,449	1,485	1,521	1,557	1,594	1,630	1,666	1,703	1,739	1,775	1,811	1,848	1,884	1,920	1,957	1,993	2,029	2,065	2,102	2,138	2,174	2,211	2,247	2,283	2,319	2,356	2,392	2,428	2,464	2,501	2,537	2,573	2,610	2,646	2,682	2,718	2,863	2,948	2,996	3,230	3,459	3,685	3,911
Bohol	Loboc	Bohol-Loboc	1,237	1,272	1,307	1,343	1,378	1,414	1,449	1,485	1,520	1,555	1,591	1,626	1,662	1,697	1,732	1,768	1,803	1,839	1,874	1,910	1,945	1,980	2,016	2,051	2,087	2,122	2,157	2,193	2,228	2,264	2,299	2,335	2,370	2,405	2,441	2,476	2,512	2,547	2,582	2,618	2,653	2,795	2,877	2,925	3,153	3,376	3,597	3,817
Bohol	Loon	Bohol-Loon	3,134	3,224	3,314	3,403	3,493	3,583	3,673	3,762	3,852	3,942	4,032	4,121	4,211	4,301	4,391	4,480	4,570	4,660	4,750	4,839	4,929	5,019	5,109	5,198	5,288	5,378	5,467	5,557	5,647	5,737	5,826	5,916	6,006	6,096	6,185	6,275	6,365	6,455	6,544	6,634	6,724	7,083	7,291	7,411	7,990	8,556	9,115	9,673
Bohol	Mabini	Bohol-Mabini	2,036	2,094	2,152	2,211	2,269	2,327	2,386	2,444	2,502	2,560	2,619	2,677	2,735	2,794	2,852	2,910	2,969	3,027	3,085	3,143	3,202	3,260	3,318	3,377	3,435	3,493	3,552	3,610	3,668	3,726	3,785	3,843	3,901	3,960	4,018	4,076	4,135	4,193	4,251	4,310	4,368	4,601	4,736	4,814	5,190	5,558	5,921	6,284
Bohol	Maribojoc	Bohol-Maribojoc	1,574	1,619	1,664	1,709	1,754	1,799	1,845	1,890	1,935	1,980	2,025	2,070	2,115	2,160	2,205	2,250	2,295	2,340	2,385	2,430	2,475	2,520	2,566	2,611	2,656	2,701	2,746	2,791	2,836	2,881	2,926	2,971	3,016	3,061	3,106	3,151	3,196	3,242	3,287	3,332	3,377	3,557	3,661	3,722	4,013	4,297	4,577	4,857
Bohol	Panglao	Bohol-Panglao	2,836	2,917	2,998	3,080	3,161	3,242	3,323	3,405	3,486	3,567	3,648	3,730	3,811	3,892	3,973	4,054	4,136	4,217	4,298	4,379	4,461	4,542	4,623	4,704	4,785	4,867	4,948	5,029	5,110	5,192	5,273	5,354	5,435	5,516	5,598	5,679	5,760	5,841	5,923	6,004	6,085	6,410	6,598	6,707	7,231	7,743	8,249	8,754
Bohol	Pilar	Bohol-Pilar	2,035	2,093	2,151	2,210	2,268	2,326	2,385	2,443	2,501	2,559	2,618	2,676	2,734	2,792	2,851	2,909	2,967	3,026	3,084	3,142	3,200	3,259	3,317	3,375	3,434	3,492	3,550	3,608	3,667	3,725	3,783	3,841	3,900	3,958	4,016	4,075	4,133	4,191	4,249	4,308	4,366	4,599	4,734	4,812	5,188	5,556	5,919	6,281
Bohol	Sagbayan	Bohol-Sagbayan	1,728	1,777	1,827	1,876	1,926	1,975	2,025	2,074	2,124	2,173	2,223	2,272	2,322	2,371	2,420	2,470	2,519	2,569	2,618	2,668	2,717	2,767	2,816	2,866	2,915	2,965	3,014	3,064	3,113	3,163	3,212	3,262	3,311	3,361	3,410	3,460	3,509	3,559	3,608	3,658	3,707	3,905	4,020	4,086	4,405	4,717	5,025	5,333
Bohol	San Isidro	Bohol-San Isidro	705	725	745	765	785	805	826	846	866	886	906	926	947	967	987	1,007	1,027	1,047	1,068	1,088	1,108	1,128	1,148	1,169	1,189	1,209	1,229	1,249	1,269	1,290	1,310	1,330	1,350	1,370	1,390	1,411	1,431	1,451	1,471	1,491	1,511	1,592	1,639	1,666	1,796	1,923	2,049	2,174
Bohol	San Miguel	Bohol-San Miguel	1,798	1,849	1,901	1,952	2,004	2,055	2,107	2,158	2,210	2,261	2,313	2,364	2,416	2,467	2,519	2,570	2,622	2,673	2,725	2,776	2,828	2,879	2,931	2,982	3,034	3,085	3,137	3,188	3,240	3,291	3,343	3,394	3,446	3,497	3,549	3,600	3,652	3,703	3,755	3,806	3,858	4,064	4,183	4,253	4,585	4,909	5,230	5,550
Bohol	Sevilla	Bohol-Sevilla	807	830	853	876	899	923	946	969	992	1,015	1,038	1,061	1,084	1,108	1,131	1,154	1,177	1,200	1,223	1,246	1,269	1,292	1,316	1,339	1,362	1,385	1,408	1,431	1,454	1,477	1,501	1,524	1,547	1,570	1,593	1,616	1,639	1,662	1,686	1,709	1,732	1,824	1,878	1,909	2,058	2,204	2,348	2,492
Bohol	Sierra Bullones	Bohol-Sierra Bullones	1,851	1,904	1,957	2,010	2,063	2,116	2,169	2,222	2,275	2,328	2,381	2,434	2,487	2,540	2,593	2,646	2,699	2,752	2,805	2,858	2,911	2,964	3,017	3,070	3,123	3,176	3,229	3,282	3,335	3,388	3,441	3,494	3,547	3,600	3,653	3,706	3,759	3,812	3,865	3,918	3,971	4,183	4,306	4,377	4,719	5,053	5,383	5,712
Bohol	Sikatuna	Bohol-Sikatuna	490	504	518	532	546	560	574	588	602	616	630	644	658	672	686	700	714	728	742	756	770	784	798	812	826	840	854	868	882	896	910	924	938	952	966	980	994	1,008	1,022	1,036	1,050	1,106	1,138	1,157	1,247	1,336	1,423	1,510
Bohol	Tagbilaran City	Bohol-Tagbilaran City	2,348	3,333	4,318	5,303	6,288	7,273	8,258	9,242	10,227	11,212	12,197	13,182	14,167	15,152	16,137	17,121	18,106	19,091	20,076	21,061	22,046	23,031	24,016	25,001	25,985	26,970	27,955	28,940	29,925	30,910	31,895	32,880	33,864	34,849	35,834	36,819	37,804	38,789	39,774	40,759	41,743	44,459	45,765	52,381	56,472	63,655	67,814	71,963
Bohol	Talibon	Bohol-Talibon	5,057	5,201	5,346	5,491	5,636	5,781	5,925	6,070	6,215	6,360	6,505	6,649	6,794	6,939	7,084	7,229	7,374	7,518	7,663	7,808	7,953	8,098	8,242	8,387	8,532	8,677	8,822	8,966	9,111	9,256	9,401	9,546	9,690	9,835	9,980	10,125	10,270	10,414	10,559	10,704	10,849	11,428	11,763	11,958	12,892	13,805	14,707	15,607
Bohol	Trinidad	Bohol-Trinidad	2,495	2,566	2,638	2,709	2,781	2,852	2,923	2,995	3,066	3,138	3,209	3,280	3,352	3,423	3,495	3,566	3,638	3,709	3,780	3,852	3,923	3,995	4,066	4,137	4,209	4,280	4,352	4,423	4,494	4,566	4,637	4,709	4,780	4,852	4,923	4,994	5,066	5,137	5,209	5,280	5,351	5,637	5,802	5,898	6,359	6,809	7,254	7,698
Bohol	Tubigon	Bohol-Tubigon	3,396	3,493	3,590	3,688	3,785	3,882	3,979	4,076	4,174	4,271	4,368	4,465	4,563	4,660	4,757	4,854	4,951	5,049	5,146	5,243	5,340	5,437	5,535	5,632	5,729	5,826	5,923	6,021	6,118	6,215	6,312	6,409	6,507	6,604	6,701	6,798	6,896	6,993	7,090	7,187	7,284	7,673	7,898	8,029	8,656	9,269	9,875	10,479
Bohol	Ubay	Bohol-Ubay	7,485	7,699	7,913	8,128	8,342	8,556	8,771	8,985	9,199	9,414	9,628	9,842	10,057	10,271	10,485	10,700	10,914	11,128	11,343	11,557	11,771	11,986	12,200	12,414	12,629	12,843	13,057	13,272	13,486	13,700	13,915	14,129	14,343	14,558	14,772	14,986	15,201	15,415	15,629	15,844	16,058	16,915	17,412	17,700	19,082	20,434	21,769	23,101
Bohol	Valencia	Bohol-Valencia	2,014	2,072	2,129	2,187	2,245	2,302	2,360	2,418	2,475	2,533	2,590	2,648	2,706	2,763	2,821	2,879	2,936	2,994	3,051	3,109	3,167	3,224	3,282	3,340	3,397	3,455	3,513	3,570	3,628	3,685	3,743	3,801	3,858	3,916	3,974	4,031	4,089	4,146	4,204	4,262	4,319	4,550	4,683	4,761	5,132	5,496	5,855	6,213
Cebu	Alcantara	Cebu-Alcantara	2,169	2,184	2,198	2,213	2,227	2,242	2,256	2,271	2,285	2,300	2,314	2,329	2,343	2,358	2,372	2,387	2,401	2,416	2,430	2,445	2,459	2,473	2,488	2,502	2,517	2,531	2,546	2,560	2,575	2,589	2,604	2,618	2,633	2,647	2,662	2,676	2,691	2,705	2,720	2,734	2,749	2,715	2,903	2,871	2,991	3,079	3,137	3,166
Cebu	Alcoy	Cebu-Alcoy	2,462	2,479	2,495	2,512	2,528	2,544	2,561	2,577	2,594	2,610	2,627	2,643	2,660	2,676	2,692	2,709	2,725	2,742	2,758	2,775	2,791	2,807	2,824	2,840	2,857	2,873	2,890	2,906	2,923	2,939	2,955	2,972	2,988	3,005	3,021	3,038	3,054	3,070	3,087	3,103	3,120	3,082	3,295	3,258	3,395	3,495	3,560	3,594
Cebu	Alegria	Cebu-Alegria	3,285	3,307	3,329	3,351	3,373	3,395	3,417	3,439	3,461	3,483	3,504	3,526	3,548	3,570	3,592	3,614	3,636	3,658	3,680	3,702	3,724	3,746	3,768	3,790	3,812	3,833	3,855	3,877	3,899	3,921	3,943	3,965	3,987	4,009	4,031	4,053	4,075	4,097	4,119	4,141	4,162	4,112	4,397	4,348	4,530	4,663	4,750	4,795
Cebu	Aloguinsan	Cebu-Aloguinsan	4,416	4,445	4,475	4,504	4,534	4,563	4,593	4,622	4,652	4,681	4,711	4,740	4,770	4,799	4,829	4,858	4,888	4,917	4,947	4,976	5,006	5,035	5,065	5,094	5,124	5,153	5,183	5,212	5,241	5,271	5,300	5,330	5,359	5,389	5,418	5,448	5,477	5,507	5,536	5,566	5,595	5,528	5,910	5,844	6,089	6,268	6,386	6,446
Cebu	Argao	Cebu-Argao	10,020	10,087	10,154	10,220	10,287	10,354	10,421	10,488	10,555	10,622	10,689	10,756	10,823	10,889	10,956	11,023	11,090	11,157	11,224	11,291	11,358	11,425	11,492	11,558	11,625	11,692	11,759	11,826	11,893	11,960	12,027	12,094	12,161	12,227	12,294	12,361	12,428	12,495	12,562	12,629	12,696	12,543	13,410	13,260	13,815	14,222	14,488	14,625
Cebu	Asturias	Cebu-Asturias	7,114	7,162	7,209	7,257	7,304	7,352	7,399	7,447	7,494	7,542	7,589	7,637	7,684	7,732	7,779	7,827	7,874	7,922	7,969	8,017	8,064	8,112	8,159	8,207	8,255	8,302	8,350	8,397	8,445	8,492	8,540	8,587	8,635	8,682	8,730	8,777	8,825	8,872	8,920	8,967	9,015	8,906	9,522	9,416	9,810	10,099	10,288	10,385
Cebu	Badian	Cebu-Badian	5,616	5,653	5,691	5,728	5,766	5,803	5,841	5,878	5,916	5,953	5,991	6,028	6,066	6,103	6,141	6,178	6,216	6,254	6,291	6,329	6,366	6,404	6,441	6,479	6,516	6,554	6,591	6,629	6,666	6,704	6,741	6,779	6,816	6,854	6,891	6,929	6,966	7,004	7,041	7,079	7,116	7,030	7,516	7,433	7,744	7,972	8,121	8,198
Cebu	Balamban	Cebu-Balamban	12,195	12,277	12,358	12,440	12,521	12,603	12,684	12,765	12,847	12,928	13,010	13,091	13,173	13,254	13,335	13,417	13,498	13,580	13,661	13,743	13,824	13,906	13,987	14,068	14,150	14,231	14,313	14,394	14,476	14,557	14,638	14,720	14,801	14,883	14,964	15,046	15,127	15,208	15,290	15,371	15,453	15,266	16,322	16,140	16,815	17,311	17,635	17,801
Cebu	Bantayan	Cebu-Bantayan	11,056	11,129	11,203	11,277	11,351	11,425	11,499	11,572	11,646	11,720	11,794	11,868	11,942	12,015	12,089	12,163	12,237	12,311	12,385	12,458	12,532	12,606	12,680	12,754	12,827	12,901	12,975	13,049	13,123	13,197	13,270	13,344	13,418	13,492	13,566	13,640	13,713	13,787	13,861	13,935	14,009	13,840	14,797	14,632	15,244	15,693	15,987	16,138
Cebu	Barili	Cebu-Barili	10,347	10,416	10,486	10,555	10,624	10,693	10,762	10,831	10,900	10,969	11,038	11,107	11,176	11,246	11,315	11,384	11,453	11,522	11,591	11,660	11,729	11,798	11,867	11,936	12,006	12,075	12,144	12,213	12,282	12,351	12,420	12,489	12,558	12,627	12,696	12,766	12,835	12,904	12,973	13,042	13,111	12,953	13,848	13,694	14,267	14,688	14,962	15,103
Cebu	Bogo City	Cebu-Bogo City	11,407	11,483	11,559	11,635	11,712	11,788	11,864	11,940	12,016	12,092	12,168	12,245	12,321	12,397	12,473	12,549	12,625	12,702	12,778	12,854	12,930	13,006	13,082	13,159	13,235	13,311	13,387	13,463	13,539	13,616	13,692	13,768	13,844	13,920	13,996	14,073	14,149	14,225	14,301	14,377	14,453	14,279	15,266	15,096	15,728	16,192	16,494	16,650
Cebu	Boljoon	Cebu-Boljoon	2,245	2,260	2,275	2,290	2,305	2,320	2,335	2,350	2,365	2,380	2,395	2,410	2,425	2,440	2,455	2,470	2,485	2,500	2,515	2,530	2,545	2,560	2,575	2,590	2,605	2,620	2,635	2,650	2,665	2,680	2,695	2,710	2,725	2,740	2,755	2,770	2,785	2,800	2,815	2,830	2,845	2,811	3,005	2,971	3,096	3,187	3,247	3,277
Cebu	Borbon	Cebu-Borbon	4,893	4,925	4,958	4,991	5,023	5,056	5,089	5,121	5,154	5,187	5,219	5,252	5,285	5,317	5,350	5,383	5,415	5,448	5,481	5,513	5,546	5,579	5,611	5,644	5,677	5,709	5,742	5,775	5,807	5,840	5,873	5,905	5,938	5,971	6,004	6,036	6,069	6,102	6,134	6,167	6,200	6,125	6,548	6,475	6,746	6,945	7,075	7,142
Cebu	Carcar	Cebu-Carcar	35,032	35,266	35,500	35,734	35,968	36,202	36,436	36,670	36,904	37,138	37,372	37,605	37,839	38,073	38,307	38,541	38,775	39,009	39,243	39,477	39,711	39,945	40,178	40,412	40,646	40,880	41,114	41,348	41,582	41,816	42,050	42,284	42,518	42,752	42,985	43,219	43,453	43,687	43,921	44,155	44,389	43,853	46,886	46,362	48,302	49,727	50,657	51,134
Cebu	Carmen	Cebu-Carmen	7,430	7,479	7,529	7,578	7,628	7,678	7,727	7,777	7,826	7,876	7,926	7,975	8,025	8,075	8,124	8,174	8,223	8,273	8,323	8,372	8,422	8,471	8,521	8,571	8,620	8,670	8,719	8,769	8,819	8,868	8,918	8,968	9,017	9,067	9,116	9,166	9,216	9,265	9,315	9,364	9,414	9,300	9,944	9,833	10,244	10,546	10,743	10,845
Cebu	Catmon	Cebu-Catmon	4,328	4,357	4,386	4,415	4,444	4,472	4,501	4,530	4,559	4,588	4,617	4,646	4,675	4,704	4,733	4,761	4,790	4,819	4,848	4,877	4,906	4,935	4,964	4,993	5,021	5,050	5,079	5,108	5,137	5,166	5,195	5,224	5,253	5,281	5,310	5,339	5,368	5,397	5,426	5,455	5,484	5,418	5,792	5,727	5,967	6,143	6,258	6,317
Cebu	Cebu City	Cebu-Cebu City	300,223	302,839	305,456	308,072	310,689	313,305	315,922	318,538	321,155	323,771	326,388	329,004	331,621	334,237	336,854	339,470	342,087	344,703	347,320	349,937	352,553	355,170	357,786	360,403	363,019	365,636	368,252	370,869	373,485	376,102	378,718	381,335	383,951	386,568	389,184	391,801	394,417	397,034	399,651	402,267	404,884	389,529	437,984	433,096	451,217	464,527	473,210	477,672
Cebu	Compostela	Cebu-Compostela	17,459	17,611	17,763	17,915	18,067	18,220	18,372	18,524	18,676	18,828	18,980	19,133	19,285	19,437	19,589	19,741	19,893	20,046	20,198	20,350	20,502	20,654	20,806	20,958	21,111	21,263	21,415	21,567	21,719	21,871	22,024	22,176	22,328	22,480	22,632	22,784	22,936	23,089	23,241	23,393	23,545	22,652	25,470	25,186	26,240	27,013	27,519	27,778
Cebu	Consolacion	Cebu-Consolacion	46,197	46,600	47,003	47,405	47,808	48,211	48,613	49,016	49,419	49,821	50,224	50,627	51,029	51,432	51,834	52,237	52,640	53,042	53,445	53,848	54,250	54,653	55,056	55,458	55,861	56,264	56,666	57,069	57,471	57,874	58,277	58,679	59,082	59,485	59,887	60,290	60,693	61,095	61,498	61,900	62,303	59,940	67,397	66,644	69,433	71,481	72,817	73,504
Cebu	Daanbantayan	Cebu-Daanbantayan	11,992	12,072	12,152	12,232	12,312	12,392	12,472	12,552	12,632	12,712	12,792	12,872	12,953	13,033	13,113	13,193	13,273	13,353	13,433	13,513	13,593	13,673	13,753	13,833	13,913	13,993	14,074	14,154	14,234	14,314	14,394	14,474	14,554	14,634	14,714	14,794	14,874	14,954	15,034	15,114	15,195	15,011	16,049	15,870	16,534	17,022	17,340	17,504
Cebu	Dalaguete	Cebu-Dalaguete	9,566	9,630	9,694	9,758	9,822	9,886	9,950	10,014	10,077	10,141	10,205	10,269	10,333	10,397	10,461	10,525	10,588	10,652	10,716	10,780	10,844	10,908	10,972	11,036	11,099	11,163	11,227	11,291	11,355	11,419	11,483	11,547	11,610	11,674	11,738	11,802	11,866	11,930	11,994	12,058	12,121	11,975	12,803	12,660	13,190	13,579	13,833	13,963
Cebu	Danao City	Cebu-Danao City	40,138	40,406	40,674	40,942	41,210	41,478	41,746	42,014	42,282	42,550	42,818	43,086	43,354	43,622	43,890	44,158	44,426	44,694	44,962	45,230	45,499	45,767	46,035	46,303	46,571	46,839	47,107	47,375	47,643	47,911	48,179	48,447	48,715	48,983	49,251	49,519	49,787	50,055	50,323	50,591	50,859	50,245	53,720	53,120	55,343	56,975	58,040	58,588
Cebu	Danao Lake	Cebu-Danao Lake	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cebu	Dumanjug	Cebu-Dumanjug	7,420	7,470	7,519	7,569	7,619	7,668	7,718	7,767	7,817	7,866	7,916	7,965	8,015	8,064	8,114	8,164	8,213	8,263	8,312	8,362	8,411	8,461	8,510	8,560	8,609	8,659	8,709	8,758	8,808	8,857	8,907	8,956	9,006	9,055	9,105	9,154	9,204	9,254	9,303	9,353	9,402	9,289	9,931	9,820	10,231	10,533	10,730	10,831
Cebu	Ginatilan	Cebu-Ginatilan	2,165	2,180	2,194	2,209	2,223	2,237	2,252	2,266	2,281	2,295	2,310	2,324	2,339	2,353	2,368	2,382	2,397	2,411	2,425	2,440	2,454	2,469	2,483	2,498	2,512	2,527	2,541	2,556	2,570	2,585	2,599	2,613	2,628	2,642	2,657	2,671	2,686	2,700	2,715	2,729	2,744	2,711	2,898	2,866	2,986	3,074	3,131	3,161
Cebu	Lapu-Lapu City	Cebu-Lapu-Lapu City	155,685	157,042	158,399	159,756	161,113	162,470	163,827	165,183	166,540	167,897	169,254	170,611	171,968	173,325	174,682	176,038	177,395	178,752	180,109	181,466	182,823	184,180	185,536	186,893	188,250	189,607	190,964	192,321	193,678	195,034	196,391	197,748	199,105	200,462	201,819	203,176	204,532	205,889	207,246	208,603	209,960	201,998	227,125	224,590	233,988	240,889	245,392	247,706
Cebu	Liloan	Cebu-Liloan	48,007	48,425	48,843	49,262	49,680	50,099	50,517	50,935	51,354	51,772	52,190	52,609	53,027	53,446	53,864	54,282	54,701	55,119	55,537	55,956	56,374	56,793	57,211	57,629	58,048	58,466	58,884	59,303	59,721	60,140	60,558	60,976	61,395	61,813	62,232	62,650	63,068	63,487	63,905	64,323	64,742	62,287	70,035	69,253	72,150	74,279	75,667	76,381
Cebu	Madridejos	Cebu-Madridejos	5,398	5,435	5,471	5,507	5,543	5,579	5,615	5,651	5,687	5,723	5,759	5,795	5,831	5,867	5,903	5,939	5,975	6,011	6,047	6,083	6,119	6,155	6,191	6,228	6,264	6,300	6,336	6,372	6,408	6,444	6,480	6,516	6,552	6,588	6,624	6,660	6,696	6,732	6,768	6,804	6,840	6,758	7,225	7,144	7,443	7,663	7,806	7,880
Cebu	Malabuyoc	Cebu-Malabuyoc	2,529	2,546	2,562	2,579	2,596	2,613	2,630	2,647	2,664	2,681	2,698	2,714	2,731	2,748	2,765	2,782	2,799	2,816	2,833	2,850	2,866	2,883	2,900	2,917	2,934	2,951	2,968	2,985	3,001	3,018	3,035	3,052	3,069	3,086	3,103	3,120	3,137	3,153	3,170	3,187	3,204	3,165	3,384	3,347	3,487	3,589	3,657	3,691
Cebu	Mandaue City	Cebu-Mandaue City	113,222	114,209	115,196	116,183	117,169	118,156	119,143	120,130	121,117	122,103	123,090	124,077	125,064	126,050	127,037	128,024	129,011	129,998	130,984	131,971	132,958	133,945	134,931	135,918	136,905	137,892	138,879	139,865	140,852	141,839	142,826	143,813	144,799	145,786	146,773	147,760	148,746	149,733	150,720	151,707	152,694	146,903	165,177	163,333	170,168	175,187	178,462	180,145
Cebu	Medellin	Cebu-Medellin	7,638	7,689	7,740	7,791	7,842	7,893	7,944	7,995	8,046	8,097	8,148	8,199	8,250	8,301	8,352	8,403	8,454	8,505	8,556	8,607	8,658	8,709	8,760	8,811	8,862	8,913	8,964	9,015	9,066	9,117	9,168	9,219	9,270	9,321	9,372	9,423	9,474	9,525	9,576	9,627	9,678	9,561	10,222	10,108	10,531	10,841	11,044	11,148
Cebu	Minglanilla	Cebu-Minglanilla	38,770	39,029	39,288	39,546	39,805	40,064	40,323	40,582	40,841	41,100	41,359	41,618	41,876	42,135	42,394	42,653	42,912	43,171	43,430	43,689	43,947	44,206	44,465	44,724	44,983	45,242	45,501	45,760	46,018	46,277	46,536	46,795	47,054	47,313	47,572	47,831	48,090	48,348	48,607	48,866	49,125	48,532	51,888	51,309	53,456	55,033	56,062	56,590
Cebu	Moalboal	Cebu-Moalboal	4,746	4,778	4,810	4,841	4,873	4,905	4,937	4,968	5,000	5,032	5,063	5,095	5,127	5,158	5,190	5,222	5,253	5,285	5,317	5,349	5,380	5,412	5,444	5,475	5,507	5,539	5,570	5,602	5,634	5,665	5,697	5,729	5,760	5,792	5,824	5,856	5,887	5,919	5,951	5,982	6,014	5,941	6,352	6,281	6,544	6,737	6,863	6,928
Cebu	Naga City	Cebu-Naga City	34,203	34,431	34,660	34,888	35,116	35,345	35,573	35,801	36,030	36,258	36,487	36,715	36,943	37,172	37,400	37,628	37,857	38,085	38,313	38,542	38,770	38,999	39,227	39,455	39,684	39,912	40,140	40,369	40,597	40,825	41,054	41,282	41,511	41,739	41,967	42,196	42,424	42,652	42,881	43,109	43,337	42,815	45,775	45,264	47,158	48,549	49,456	49,923
Cebu	Oslob	Cebu-Oslob	3,747	3,772	3,797	3,822	3,847	3,872	3,897	3,922	3,947	3,972	3,997	4,022	4,047	4,072	4,097	4,122	4,147	4,172	4,197	4,222	4,247	4,272	4,297	4,322	4,347	4,372	4,397	4,422	4,447	4,472	4,497	4,522	4,547	4,572	4,597	4,622	4,647	4,672	4,697	4,722	4,747	4,690	5,014	4,958	5,166	5,318	5,417	5,469
Cebu	Pinamungahan	Cebu-Pinamungahan	9,644	9,709	9,773	9,837	9,902	9,966	10,031	10,095	10,159	10,224	10,288	10,353	10,417	10,481	10,546	10,610	10,675	10,739	10,803	10,868	10,932	10,996	11,061	11,125	11,190	11,254	11,318	11,383	11,447	11,512	11,576	11,640	11,705	11,769	11,834	11,898	11,962	12,027	12,091	12,155	12,220	12,072	12,907	12,763	13,297	13,689	13,945	14,077
Cebu	Poro	Cebu-Poro	3,357	3,380	3,402	3,425	3,447	3,469	3,492	3,514	3,537	3,559	3,582	3,604	3,626	3,649	3,671	3,694	3,716	3,739	3,761	3,783	3,806	3,828	3,851	3,873	3,895	3,918	3,940	3,963	3,985	4,008	4,030	4,052	4,075	4,097	4,120	4,142	4,165	4,187	4,209	4,232	4,254	4,203	4,494	4,443	4,629	4,766	4,855	4,901
Cebu	Ronda	Cebu-Ronda	2,687	2,705	2,723	2,741	2,759	2,777	2,795	2,813	2,831	2,849	2,867	2,885	2,903	2,921	2,939	2,957	2,975	2,993	3,011	3,029	3,046	3,064	3,082	3,100	3,118	3,136	3,154	3,172	3,190	3,208	3,226	3,244	3,262	3,280	3,298	3,316	3,334	3,352	3,370	3,388	3,406	3,364	3,597	3,557	3,706	3,815	3,887	3,923
Cebu	Samboan	Cebu-Samboan	2,602	2,619	2,637	2,654	2,671	2,689	2,706	2,724	2,741	2,758	2,776	2,793	2,810	2,828	2,845	2,862	2,880	2,897	2,915	2,932	2,949	2,967	2,984	3,001	3,019	3,036	3,053	3,071	3,088	3,106	3,123	3,140	3,158	3,175	3,192	3,210	3,227	3,244	3,262	3,279	3,297	3,257	3,482	3,443	3,587	3,693	3,762	3,797
Cebu	San Fernando	Cebu-San Fernando	9,258	9,320	9,382	9,444	9,505	9,567	9,629	9,691	9,753	9,814	9,876	9,938	10,000	10,062	10,124	10,185	10,247	10,309	10,371	10,433	10,494	10,556	10,618	10,680	10,742	10,804	10,865	10,927	10,989	11,051	11,113	11,174	11,236	11,298	11,360	11,422	11,484	11,545	11,607	11,669	11,731	11,589	12,391	12,252	12,765	13,142	13,387	13,513
Cebu	San Francisco	Cebu-San Francisco	7,590	7,640	7,691	7,742	7,792	7,843	7,894	7,944	7,995	8,046	8,096	8,147	8,198	8,248	8,299	8,350	8,400	8,451	8,502	8,552	8,603	8,654	8,704	8,755	8,806	8,856	8,907	8,958	9,008	9,059	9,110	9,160	9,211	9,262	9,312	9,363	9,414	9,464	9,515	9,566	9,616	9,500	10,157	10,044	10,464	10,773	10,974	11,078
Cebu	San Remigio	Cebu-San Remigio	8,440	8,496	8,552	8,609	8,665	8,722	8,778	8,834	8,891	8,947	9,003	9,060	9,116	9,172	9,229	9,285	9,341	9,398	9,454	9,511	9,567	9,623	9,680	9,736	9,792	9,849	9,905	9,961	10,018	10,074	10,130	10,187	10,243	10,299	10,356	10,412	10,469	10,525	10,581	10,638	10,694	10,565	11,296	11,169	11,637	11,980	12,204	12,319
Cebu	Santa Fe	Cebu-Santa Fe	4,432	4,462	4,491	4,521	4,551	4,580	4,610	4,639	4,669	4,699	4,728	4,758	4,787	4,817	4,847	4,876	4,906	4,935	4,965	4,995	5,024	5,054	5,083	5,113	5,143	5,172	5,202	5,231	5,261	5,291	5,320	5,350	5,379	5,409	5,439	5,468	5,498	5,527	5,557	5,586	5,616	5,548	5,932	5,866	6,111	6,291	6,409	6,470
Cebu	Santander	Cebu-Santander	2,371	2,387	2,403	2,419	2,434	2,450	2,466	2,482	2,498	2,514	2,529	2,545	2,561	2,577	2,593	2,609	2,624	2,640	2,656	2,672	2,688	2,704	2,719	2,735	2,751	2,767	2,783	2,799	2,814	2,830	2,846	2,862	2,878	2,894	2,909	2,925	2,941	2,957	2,973	2,989	3,004	2,968	3,173	3,138	3,269	3,366	3,429	3,461
Cebu	Sibonga	Cebu-Sibonga	6,852	6,898	6,943	6,989	7,035	7,081	7,126	7,172	7,218	7,264	7,309	7,355	7,401	7,447	7,492	7,538	7,584	7,630	7,675	7,721	7,767	7,813	7,858	7,904	7,950	7,996	8,041	8,087	8,133	8,179	8,225	8,270	8,316	8,362	8,408	8,453	8,499	8,545	8,591	8,636	8,682	8,577	9,170	9,068	9,447	9,726	9,908	10,001
Cebu	Sogod	Cebu-Sogod	5,061	5,095	5,129	5,163	5,197	5,230	5,264	5,298	5,332	5,366	5,399	5,433	5,467	5,501	5,535	5,568	5,602	5,636	5,670	5,704	5,737	5,771	5,805	5,839	5,872	5,906	5,940	5,974	6,008	6,041	6,075	6,109	6,143	6,177	6,210	6,244	6,278	6,312	6,346	6,379	6,413	6,336	6,774	6,698	6,978	7,184	7,319	7,388
Cebu	Tabogon	Cebu-Tabogon	5,306	5,342	5,377	5,413	5,448	5,484	5,519	5,555	5,590	5,625	5,661	5,696	5,732	5,767	5,803	5,838	5,873	5,909	5,944	5,980	6,015	6,051	6,086	6,121	6,157	6,192	6,228	6,263	6,299	6,334	6,369	6,405	6,440	6,476	6,511	6,547	6,582	6,617	6,653	6,688	6,724	6,643	7,102	7,023	7,317	7,532	7,673	7,746
Cebu	Tabuelan	Cebu-Tabuelan	3,709	3,734	3,759	3,784	3,808	3,833	3,858	3,883	3,908	3,932	3,957	3,982	4,007	4,031	4,056	4,081	4,106	4,130	4,155	4,180	4,205	4,230	4,254	4,279	4,304	4,329	4,353	4,378	4,403	4,428	4,453	4,477	4,502	4,527	4,552	4,576	4,601	4,626	4,651	4,675	4,700	4,644	4,965	4,909	5,115	5,266	5,364	5,415
Cebu	Talisay City	Cebu-Talisay City	82,171	82,887	83,603	84,319	85,035	85,751	86,468	87,184	87,900	88,616	89,332	90,048	90,764	91,480	92,197	92,913	93,629	94,345	95,061	95,777	96,493	97,209	97,926	98,642	99,358	100,074	100,790	101,506	102,222	102,938	103,655	104,371	105,087	105,803	106,519	107,235	107,951	108,667	109,384	110,100	110,816	106,613	119,875	118,538	123,497	127,140	129,516	130,738
Cebu	Toledo City	Cebu-Toledo City	53,327	53,683	54,039	54,395	54,751	55,107	55,463	55,820	56,176	56,532	56,888	57,244	57,600	57,956	58,312	58,668	59,024	59,381	59,737	60,093	60,449	60,805	61,161	61,517	61,873	62,229	62,586	62,942	63,298	63,654	64,010	64,366	64,722	65,078	65,434	65,790	66,147	66,503	66,859	67,215	67,571	66,756	71,372	70,575	73,529	75,697	77,112	77,840
Cebu	Tuburan	Cebu-Tuburan	8,732	8,790	8,848	8,907	8,965	9,023	9,082	9,140	9,198	9,257	9,315	9,373	9,432	9,490	9,548	9,606	9,665	9,723	9,781	9,840	9,898	9,956	10,015	10,073	10,131	10,190	10,248	10,306	10,365	10,423	10,481	10,540	10,598	10,656	10,714	10,773	10,831	10,889	10,948	11,006	11,064	10,931	11,687	11,556	12,040	12,395	12,627	12,746
Cebu	Tudela	Cebu-Tudela	1,445	1,454	1,464	1,474	1,483	1,493	1,503	1,512	1,522	1,531	1,541	1,551	1,560	1,570	1,580	1,589	1,599	1,609	1,618	1,628	1,638	1,647	1,657	1,667	1,676	1,686	1,696	1,705	1,715	1,725	1,734	1,744	1,753	1,763	1,773	1,782	1,792	1,802	1,811	1,821	1,831	1,809	1,934	1,912	1,992	2,051	2,089	2,109
Negros Occidental	Binalbagan	Negros Occidental-Binalbagan																																																
Negros Occidental	Candoni	Negros Occidental-Candoni	2,801	2,825	2,848	2,871	2,895	2,918	2,942	2,965	2,989	3,012	3,036	3,059	3,082	3,106	3,129	3,153	3,176	3,200	3,223	3,246	3,270	3,293	3,317	3,340	3,364	3,387	3,410	3,434	3,457	3,481	3,504	3,528	3,551	3,574	3,598	3,621	3,645	3,668	3,692	3,715	3,739	3,811	3,917	3,890	4,083	4,236	4,368	4,489
Negros Occidental	Hinoba-An	Negros Occidental-Hinoba-An	7,174	7,234	7,294	7,354	7,414	7,474	7,534	7,594	7,654	7,714	7,774	7,834	7,894	7,954	8,015	8,075	8,135	8,195	8,255	8,315	8,375	8,435	8,495	8,555	8,615	8,675	8,735	8,795	8,855	8,915	8,975	9,035	9,095	9,155	9,215	9,275	9,335	9,395	9,455	9,515	9,575	9,761	10,032	9,963	10,457	10,850	11,187	11,497
Negros Occidental	Ilog	Negros Occidental-Ilog	7,049	7,108	7,167	7,226	7,285	7,344	7,403	7,462	7,521	7,580	7,639	7,698	7,756	7,815	7,874	7,933	7,992	8,051	8,110	8,169	8,228	8,287	8,346	8,405	8,464	8,523	8,582	8,641	8,700	8,759	8,818	8,877	8,936	8,995	9,054	9,113	9,172	9,231	9,290	9,349	9,408	9,591	9,857	9,789	10,274	10,661	10,992	11,296
Negros Occidental	Kabankalan City	Negros Occidental-Kabankalan City																																																
Negros Occidental	Sipalay City	Negros Occidental-Sipalay City																																																
Negros Oriental	Amlan	Negros Oriental-Amlan	2,385	2,424	2,463	2,502	2,541	2,580	2,618	2,657	2,696	2,735	2,774	2,813	2,852	2,891	2,930	2,969	3,008	3,047	3,086	3,125	3,164	3,203	3,242	3,281	3,320	3,359	3,397	3,436	3,475	3,514	3,553	3,592	3,631	3,670	3,709	3,748	3,787	3,826	3,865	3,904	3,943	4,093	4,208	4,225	4,494	4,740	4,977	5,226
Negros Oriental	Ayungon	Negros Oriental-Ayungon	4,394	4,466	4,538	4,610	4,681	4,753	4,825	4,897	4,968	5,040	5,112	5,184	5,255	5,327	5,399	5,471	5,543	5,614	5,686	5,758	5,830	5,901	5,973	6,045	6,117	6,188	6,260	6,332	6,404	6,475	6,547	6,619	6,691	6,762	6,834	6,906	6,978	7,049	7,121	7,193	7,265	7,541	7,753	7,785	8,280	8,732	9,170	9,629
Negros Oriental	Bacong	Negros Oriental-Bacong	16,205	16,270	16,334	16,398	16,462	16,526	16,590	16,655	16,719	16,783	16,847	16,911	16,976	17,040	17,104	17,168	17,232	17,296	17,361	17,425	17,489	17,553	17,617	17,682	17,746	17,810	17,874	17,938	18,002	18,067	18,131	18,195	18,259	18,323	18,388	18,452	18,516	18,580	18,644	18,708	18,773	21,469	17,580	18,341	18,777	19,802	20,795	21,834
Negros Oriental	Bais City	Negros Oriental-Bais City	7,888	8,017	8,146	8,275	8,403	8,532	8,661	8,790	8,919	9,047	9,176	9,305	9,434	9,563	9,691	9,820	9,949	10,078	10,207	10,335	10,464	10,593	10,722	10,851	10,979	11,108	11,237	11,366	11,495	11,623	11,752	11,881	12,010	12,139	12,267	12,396	12,525	12,654	12,783	12,911	13,040	13,536	13,916	13,974	14,863	15,675	16,461	17,283
Negros Oriental	Basay	Negros Oriental-Basay	2,666	2,710	2,754	2,797	2,841	2,884	2,928	2,971	3,015	3,058	3,102	3,145	3,189	3,233	3,276	3,320	3,363	3,407	3,450	3,494	3,537	3,581	3,625	3,668	3,712	3,755	3,799	3,842	3,886	3,929	3,973	4,016	4,060	4,104	4,147	4,191	4,234	4,278	4,321	4,365	4,408	4,576	4,705	4,724	5,025	5,299	5,565	5,843
Negros Oriental	Bayawan City	Negros Oriental-Bayawan City	22,922	23,296	23,670	24,044	24,419	24,793	25,167	25,542	25,916	26,290	26,665	27,039	27,413	27,787	28,162	28,536	28,910	29,285	29,659	30,033	30,407	30,782	31,156	31,530	31,905	32,279	32,653	33,027	33,402	33,776	34,150	34,525	34,899	35,273	35,648	36,022	36,396	36,770	37,145	37,519	37,893	39,333	40,439	40,606	43,191	45,549	47,833	50,223
Negros Oriental	Bindoy	Negros Oriental-Bindoy	3,760	3,821	3,882	3,944	4,005	4,067	4,128	4,189	4,251	4,312	4,374	4,435	4,496	4,558	4,619	4,681	4,742	4,803	4,865	4,926	4,988	5,049	5,110	5,172	5,233	5,295	5,356	5,418	5,479	5,540	5,602	5,663	5,725	5,786	5,847	5,909	5,970	6,032	6,093	6,154	6,216	6,452	6,633	6,661	7,085	7,472	7,846	8,238
Negros Oriental	Canlaon City	Negros Oriental-Canlaon City																																																
Negros Oriental	Dauin	Negros Oriental-Dauin	2,806	2,852	2,898	2,944	2,990	3,036	3,081	3,127	3,173	3,219	3,265	3,310	3,356	3,402	3,448	3,494	3,539	3,585	3,631	3,677	3,723	3,769	3,814	3,860	3,906	3,952	3,998	4,043	4,089	4,135	4,181	4,227	4,273	4,318	4,364	4,410	4,456	4,502	4,547	4,593	4,639	4,815	4,951	4,971	5,287	5,576	5,856	6,148
Negros Oriental	Dumaguete City	Negros Oriental-Dumaguete City	52,565	52,773	52,981	53,190	53,398	53,606	53,814	54,023	54,231	54,439	54,647	54,856	55,064	55,272	55,480	55,689	55,897	56,105	56,313	56,522	56,730	56,938	57,146	57,355	57,563	57,771	57,979	58,187	58,396	58,604	58,812	59,020	59,229	59,437	59,645	59,853	60,062	60,270	60,478	60,686	60,895	69,640	57,028	59,494	60,909	64,234	67,455	70,826
Negros Oriental	Guihulngan City	Negros Oriental-Guihulngan City	19,187	19,501	19,814	20,127	20,441	20,754	21,067	21,381	21,694	22,007	22,320	22,634	22,947	23,260	23,574	23,887	24,200	24,514	24,827	25,140	25,453	25,767	26,080	26,393	26,707	27,020	27,333	27,647	27,960	28,273	28,586	28,900	29,213	29,526	29,840	30,153	30,466	30,780	31,093	31,406	31,719	32,925	33,850	33,990	36,154	38,128	40,040	42,040
Negros Oriental	Jimalalud	Negros Oriental-Jimalalud	3,012	3,061	3,110	3,159	3,209	3,258	3,307	3,356	3,405	3,455	3,504	3,553	3,602	3,651	3,700	3,750	3,799	3,848	3,897	3,946	3,996	4,045	4,094	4,143	4,192	4,241	4,291	4,340	4,389	4,438	4,487	4,536	4,586	4,635	4,684	4,733	4,782	4,832	4,881	4,930	4,979	5,168	5,313	5,336	5,675	5,985	6,285	6,599
Negros Oriental	La Libertad	Negros Oriental-La Libertad	3,839	3,902	3,965	4,027	4,090	4,153	4,215	4,278	4,341	4,404	4,466	4,529	4,592	4,654	4,717	4,780	4,842	4,905	4,968	5,030	5,093	5,156	5,219	5,281	5,344	5,407	5,469	5,532	5,595	5,657	5,720	5,783	5,845	5,908	5,971	6,034	6,096	6,159	6,222	6,284	6,347	6,588	6,773	6,801	7,234	7,629	8,012	8,412
Negros Oriental	Mabinay	Negros Oriental-Mabinay																																																
Negros Oriental	Manjuyod	Negros Oriental-Manjuyod	4,185	4,253	4,322	4,390	4,459	4,527	4,595	4,664	4,732	4,800	4,869	4,937	5,005	5,074	5,142	5,210	5,279	5,347	5,415	5,484	5,552	5,620	5,689	5,757	5,825	5,894	5,962	6,030	6,099	6,167	6,235	6,304	6,372	6,440	6,509	6,577	6,645	6,714	6,782	6,850	6,919	7,182	7,384	7,414	7,886	8,317	8,734	9,170
Negros Oriental	Pamplona	Negros Oriental-Pamplona	3,719	3,779	3,840	3,901	3,962	4,022	4,083	4,144	4,205	4,265	4,326	4,387	4,447	4,508	4,569	4,630	4,690	4,751	4,812	4,872	4,933	4,994	5,055	5,115	5,176	5,237	5,297	5,358	5,419	5,480	5,540	5,601	5,662	5,723	5,783	5,844	5,905	5,965	6,026	6,087	6,148	6,381	6,560	6,588	7,007	7,389	7,760	8,148
Negros Oriental	San Jose	Negros Oriental-San Jose	2,052	2,086	2,119	2,153	2,186	2,220	2,253	2,287	2,320	2,354	2,387	2,421	2,454	2,488	2,521	2,555	2,588	2,622	2,655	2,689	2,722	2,756	2,789	2,823	2,857	2,890	2,924	2,957	2,991	3,024	3,058	3,091	3,125	3,158	3,192	3,225	3,259	3,292	3,326	3,359	3,393	3,522	3,620	3,635	3,867	4,078	4,283	4,496
Negros Oriental	Santa Catalina	Negros Oriental-Santa Catalina	7,232	7,350	7,468	7,586	7,704	7,822	7,940	8,058	8,176	8,295	8,413	8,531	8,649	8,767	8,885	9,003	9,121	9,239	9,357	9,476	9,594	9,712	9,830	9,948	10,066	10,184	10,302	10,420	10,538	10,656	10,775	10,893	11,011	11,129	11,247	11,365	11,483	11,601	11,719	11,837	11,956	12,410	12,759	12,812	13,627	14,371	15,092	15,846
Negros Oriental	Siaton	Negros Oriental-Siaton	7,765	7,891	8,018	8,145	8,272	8,398	8,525	8,652	8,779	8,906	9,032	9,159	9,286	9,413	9,539	9,666	9,793	9,920	10,047	10,173	10,300	10,427	10,554	10,680	10,807	10,934	11,061	11,188	11,314	11,441	11,568	11,695	11,821	11,948	12,075	12,202	12,329	12,455	12,582	12,709	12,836	13,323	13,698	13,755	14,630	15,429	16,202	17,012
Negros Oriental	Sibulan	Negros Oriental-Sibulan	25,270	25,370	25,471	25,571	25,671	25,771	25,871	25,971	26,071	26,171	26,271	26,372	26,472	26,572	26,672	26,772	26,872	26,972	27,072	27,172	27,272	27,373	27,473	27,573	27,673	27,773	27,873	27,973	28,073	28,173	28,274	28,374	28,474	28,574	28,674	28,774	28,874	28,974	29,074	29,174	29,275	33,479	27,416	28,601	29,281	30,880	32,428	34,049
Negros Oriental	Tanjay City	Negros Oriental-Tanjay City	7,712	7,838	7,964	8,090	8,216	8,342	8,468	8,594	8,720	8,846	8,972	9,098	9,224	9,350	9,476	9,601	9,727	9,853	9,979	10,105	10,231	10,357	10,483	10,609	10,735	10,861	10,987	11,113	11,239	11,365	11,491	11,617	11,742	11,868	11,994	12,120	12,246	12,372	12,498	12,624	12,750	13,235	13,606	13,663	14,532	15,326	16,094	16,899
Negros Oriental	Tayasan	Negros Oriental-Tayasan	3,567	3,625	3,683	3,742	3,800	3,858	3,916	3,975	4,033	4,091	4,149	4,207	4,266	4,324	4,382	4,440	4,499	4,557	4,615	4,673	4,732	4,790	4,848	4,906	4,965	5,023	5,081	5,139	5,198	5,256	5,314	5,372	5,430	5,489	5,547	5,605	5,663	5,722	5,780	5,838	5,896	6,120	6,292	6,318	6,721	7,088	7,443	7,815
Negros Oriental	Valencia	Negros Oriental-Valencia	15,225	15,285	15,345	15,406	15,466	15,526	15,586	15,647	15,707	15,767	15,828	15,888	15,948	16,009	16,069	16,129	16,190	16,250	16,310	16,371	16,431	16,491	16,552	16,612	16,672	16,732	16,793	16,853	16,913	16,974	17,034	17,094	17,155	17,215	17,275	17,336	17,396	17,456	17,517	17,577	17,637	20,170	16,517	17,232	17,641	18,605	19,537	20,514
Negros Oriental	Vallehermoso	Negros Oriental-Vallehermoso	3,810	3,873	3,935	3,997	4,059	4,121	4,184	4,246	4,308	4,370	4,433	4,495	4,557	4,619	4,681	4,744	4,806	4,868	4,930	4,993	5,055	5,117	5,179	5,242	5,304	5,366	5,428	5,490	5,553	5,615	5,677	5,739	5,802	5,864	5,926	5,988	6,050	6,113	6,175	6,237	6,299	6,539	6,723	6,750	7,180	7,572	7,952	8,349
Negros Oriental	Zamboanguita	Negros Oriental-Zamboanguita	2,764	2,809	2,854	2,899	2,944	2,989	3,034	3,080	3,125	3,170	3,215	3,260	3,305	3,350	3,395	3,441	3,486	3,531	3,576	3,621	3,666	3,711	3,757	3,802	3,847	3,892	3,937	3,982	4,027	4,072	4,118	4,163	4,208	4,253	4,298	4,343	4,388	4,433	4,479	4,524	4,569	4,742	4,876	4,896	5,208	5,492	5,767	6,055
Siquijor	Enrique Villanueva	Siquijor-Enrique Villanueva	0	0	0	0	0	0	0	0	0	0	0	0	0	0	62	130	199	267	336	404	473	541	610	678	747	815	884	952	1,021	1,089	1,157	1,226	1,294	1,363	1,431	1,500	1,568	1,637	1,705	1,774	1,842	2,116	2,204	2,464	2,819	3,195	3,688	4,078
Siquijor	Larena	Siquijor-Larena	0	0	0	0	0	0	0	0	0	0	0	0	0	0	131	277	422	567	713	858	1,004	1,149	1,295	1,440	1,586	1,731	1,877	2,022	2,168	2,313	2,458	2,604	2,749	2,895	3,040	3,186	3,331	3,477	3,622	3,768	3,913	4,495	4,682	5,234	5,988	6,787	7,835	8,663
Siquijor	Lazi	Siquijor-Lazi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	205	432	659	885	1,112	1,339	1,565	1,792	2,019	2,245	2,472	2,698	2,925	3,152	3,378	3,605	3,832	4,058	4,285	4,512	4,738	4,965	5,192	5,418	5,645	5,872	6,098	7,005	7,296	8,157	9,332	10,576	12,210	13,500
Siquijor	Maria	Siquijor-Maria	0	0	0	0	0	0	0	0	0	0	0	0	0	0	130	275	420	565	709	854	999	1,144	1,289	1,433	1,578	1,723	1,868	2,012	2,157	2,302	2,447	2,591	2,736	2,881	3,026	3,170	3,315	3,460	3,605	3,750	3,894	4,473	4,659	5,209	5,959	6,754	7,798	8,621
Siquijor	San Juan	Siquijor-San Juan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149	314	479	644	809	974	1,139	1,304	1,469	1,634	1,798	1,963	2,128	2,293	2,458	2,623	2,788	2,953	3,118	3,283	3,448	3,613	3,778	3,943	4,108	4,273	4,438	5,098	5,310	5,936	6,791	7,697	8,886	9,825
Siquijor	Siquijor	Siquijor-Siquijor	0	0	0	0	0	0	0	0	0	0	0	0	0	0	264	555	846	1,138	1,429	1,720	2,011	2,303	2,594	2,885	3,176	3,468	3,759	4,050	4,341	4,633	4,924	5,215	5,507	5,798	6,089	6,380	6,672	6,963	7,254	7,545	7,837	9,001	9,376	10,482	11,991	13,591	15,690	17,348
Total			1,531,793	1,548,053	1,564,314	1,580,574	1,596,835	1,613,095	1,629,356	1,645,616	1,661,877	1,678,138	1,694,398	1,710,659	1,726,919	1,743,180	1,760,381	1,777,684	1,794,986	1,812,288	1,829,590	1,846,892	1,864,194	1,881,496	1,898,799	1,916,101	1,933,403	1,950,705	1,968,007	1,985,309	2,002,611	2,019,914	2,037,216	2,054,518	2,071,820	2,089,122	2,106,424	2,123,726	2,141,029	2,158,331	2,175,633	2,192,935	2,210,237	2,209,279	2,359,636	2,365,693	2,481,693	2,587,179	2,670,139	2,735,881

Source: JICA Survey Team

(3) Surface and Groundwater Use Rate

Table DBH-31 Surface and Groundwater Use Rates for Municipal and Industrial Water by NWRB Water Rights (2020) [WRR-VII]

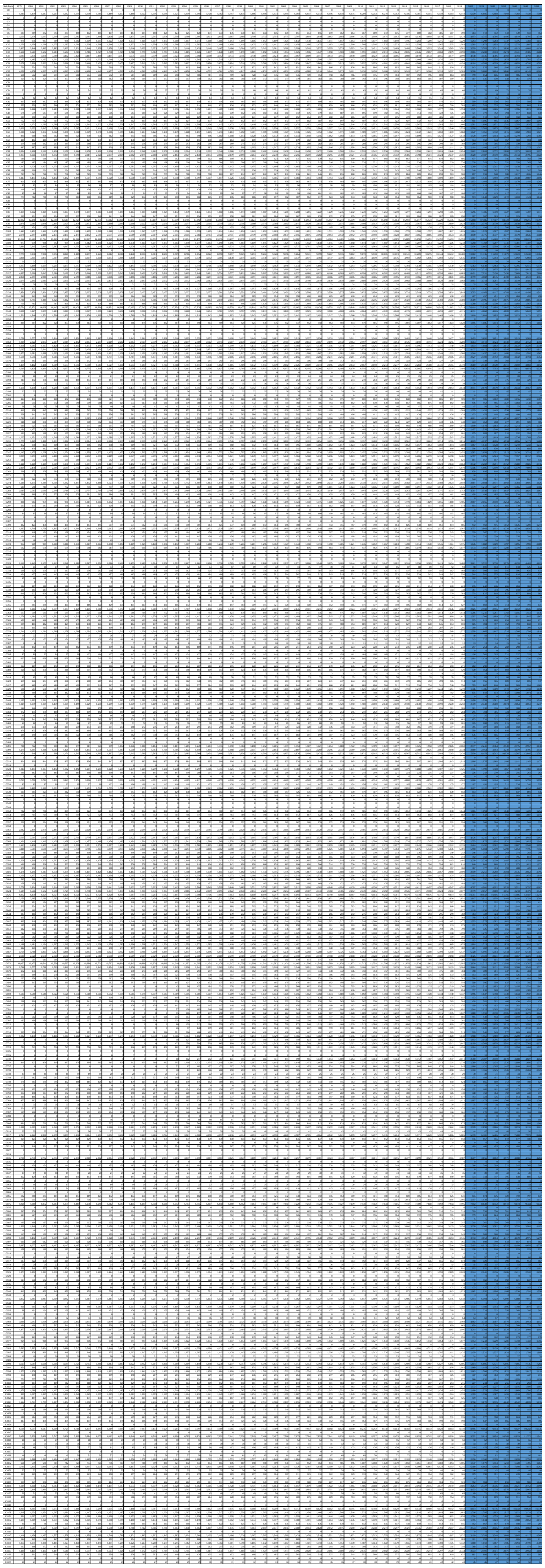
Unit: litter/sec

Municipality	SW Litter/sec	GW Litter/sec	SW %	GW %
Albuquerque	0.00	0.00	95.3%	4.7%
Alcantara	0.00	6.75	0.0%	100.0%
Alcoy	0.00	12.60	0.0%	100.0%
Alegria	6.00	15.50	27.9%	72.1%
Alicia	0.00	67.97	0.0%	100.0%
Aloguinsan	0.00	10.67	0.0%	100.0%
Amlan	900.00	0.10	100.0%	0.0%
Anda	3.00	19.14	13.6%	86.4%
Antequera	0.00	0.00	95.3%	4.7%
Argao	0.00	105.52	0.0%	100.0%
Asturias	23.57	141.30	14.3%	85.7%
Ayungon	20.00	50.75	28.3%	71.7%
Baclayon	0.00	0.00	95.3%	4.7%
Bacong	0.10	52.32	0.2%	99.8%
Badian	2,332.00	805.73	74.3%	25.7%
Bais City	0.00	110.15	0.0%	100.0%
Balamban	227.00	52.27	81.3%	18.7%
Balilihan	10.90	0.00	100.0%	0.0%
Bantayan	0.00	20.84	0.0%	100.0%
Barili	0.58	11.81	4.7%	95.3%
Basay	512.00	5.70	98.9%	1.1%
Batuan	0.00	5.80	0.0%	100.0%
Bayawan City	0.00	0.00	95.3%	4.7%
Bien Unido	0.00	0.00	95.3%	4.7%
Bilar	0.00	1.67	0.0%	100.0%
Binalbagan	735.80	20.30	97.3%	2.7%
Bindoy	2,506.00	0.00	100.0%	0.0%
Bogo City	0.00	0.00	95.3%	4.7%
Boljoon	0.00	4.95	0.0%	100.0%
Borbon	0.00	18.33	0.0%	100.0%
Buenavista	14.50	137.57	9.5%	90.5%
Calape	0.00	1.50	0.0%	100.0%
Candijay	0.00	20.23	0.0%	100.0%
Candoni	0.00	0.00	95.3%	4.7%
Canlaon City	0.00	0.00	95.3%	4.7%
Carcar	0.00	187.71	0.0%	100.0%
Carmen	853.83	6,026.64	12.4%	87.6%
Catigbian	0.00	0.00	95.3%	4.7%
Catmon	480.15	38.97	92.5%	7.5%
Cebu City	171.14	383.60	30.8%	69.2%
Clarin	100.00	73.90	57.5%	42.5%
Compostela	5.20	246.82	2.1%	97.9%
Consolacion	63.00	146.18	30.1%	69.9%
Corella	0.00	106.47	0.0%	100.0%
Cortes	300.00	160.80	65.1%	34.9%
Daanbantayan	0.00	15.72	0.0%	100.0%
Dagohoy	0.00	0.00	95.3%	4.7%
Dalaguete	0.00	8.95	0.0%	100.0%
Danao	5,075.24	57.43	98.9%	1.1%
Danao City	0.00	57.17	0.0%	100.0%
Danao Lake	0.00	0.00	95.3%	4.7%
Dauin	8.00	33.91	19.1%	80.9%
Dauis	0.00	4.84	0.0%	100.0%
Dimiao	0.00	5.06	0.0%	100.0%
Duero	0.00	0.00	95.3%	4.7%
Dumaguete City	70.00	189.13	27.0%	73.0%
Dumanjug	714.00	0.00	100.0%	0.0%
Enrique Villanueva	0.00	0.00	95.3%	4.7%
Garcia Hernandez	0.00	6.33	0.0%	100.0%
Ginatilan	0.00	0.00	95.3%	4.7%
Guihulngan City	0.00	0.00	95.3%	4.7%
Guindulman	0.00	11.70	0.0%	100.0%
Hinoba-An	35.00	0.00	100.0%	0.0%
Ilog	128.00	0.00	100.0%	0.0%
Inabanga	0.00	0.50	0.0%	100.0%
Jagna	0.00	23.15	0.0%	100.0%
Jetafe	0.00	0.00	95.3%	4.7%
Jimalalud	0.00	0.00	95.3%	4.7%
Kabankalan City	0.00	0.00	95.3%	4.7%
La Libertad	0.00	0.00	95.3%	4.7%
Lapu-Lapu City	0.00	93.74	0.0%	100.0%
Larena	0.00	0.00	95.3%	4.7%
Lazi	0.00	0.00	95.3%	4.7%
Lila	0.00	41.56	0.0%	100.0%
Liloan	0.00	376.47	0.0%	100.0%
Loay	0.00	0.00	95.3%	4.7%
Loboc	12,000.00	12,075.52	49.8%	50.2%
Loon	0.00	100.60	0.0%	100.0%
Mabinay	0.00	6.19	0.0%	100.0%
Mabini	0.00	50.70	0.0%	100.0%
Madridejos	0.00	0.00	95.3%	4.7%
Malabuyoc	21.61	1.07	95.3%	4.7%
Mandaue City	0.00	78.30	0.0%	100.0%
Manjuyod	0.00	7.35	0.0%	100.0%
Maria	0.00	0.00	95.3%	4.7%
Maribojoc	0.00	51.06	0.0%	100.0%
Medellin	0.00	0.00	95.3%	4.7%
Minglanilla	0.00	117.69	0.0%	100.0%
Moalboal	0.00	1.80	0.0%	100.0%
Naga City	0.00	319.09	0.0%	100.0%
Oslob	0.00	0.00	95.3%	4.7%
Pamplona	0.00	0.00	95.3%	4.7%
Panglao	0.00	48.19	0.0%	100.0%
Pilar	24.00	25.77	48.2%	51.8%
Pinamungahan	267.00	10.56	96.2%	3.8%
Poro	0.00	0.00	95.3%	4.7%
Ronda	0.00	17.34	0.0%	100.0%
Sagbayan	0.00	0.00	95.3%	4.7%
Samboan	0.00	0.00	95.3%	4.7%
San Fernando	0.00	1,350.33	0.0%	100.0%
San Francisco	255.37	295.45	46.4%	53.6%
San Isidro	0.00	54.78	0.0%	100.0%
San Jose	47.28	331.73	12.5%	87.5%
San Juan	120.00	52.54	69.5%	30.5%
San Miguel	260,217.31	552.50	99.8%	0.2%
San Remigio	38,352.55	33.23	99.9%	0.1%
Santa Catalina	0.00	0.00	95.3%	4.7%
Santa Fe	0.00	0.00	95.3%	4.7%
Santander	0.00	0.00	95.3%	4.7%
Sevilla	14,706.45	20.00	99.9%	0.1%
Siaton	11,345.00	1.73	100.0%	0.0%
Sibonga	25.75	51.70	33.2%	66.8%
Sibulan	3.19	114.85	2.7%	97.3%
Sierra Bullones	0.00	27.49	0.0%	100.0%
Sikatuna	0.00	0.00	95.3%	4.7%
Sipalay City	0.00	0.00	95.3%	4.7%
Siquijor	0.00	0.36	0.0%	100.0%
Sogod	178.70	203.30	46.8%	53.2%
Tabogon	0.00	0.00	95.3%	4.7%
Tabuelan	0.00	9.35	0.0%	100.0%
Tagbilaran City	0.00	145.47	0.0%	100.0%
Talibon	0.00	8.40	0.0%	100.0%
Talisay City	0.00	62.78	0.0%	100.0%
Tanjay City	0.00	0.00	95.3%	4.7%
Tayasan	0.00	0.00	95.3%	4.7%
Toledo City	17.36	4,055.52	0.4%	99.6%
Trinidad	0.00	0.26	0.0%	100.0%
Tubigon	0.00	10.22	0.0%	100.0%
Tuburan	0.00	0.00	95.3%	4.7%
Tudela	3.00	5.90	33.7%	66.3%
Ubay	9.23	0.00	100.0%	0.0%
Valencia	265,234.88	255.11	99.9%	0.1%
Vallehermoso	0.00	0.00	95.3%	4.7%
Zamboanguita	0.00	0.70	0.0%	100.0%
Total	618,123.69	30,551.14	95.3%	4.7%

Source: JICA Survey Team

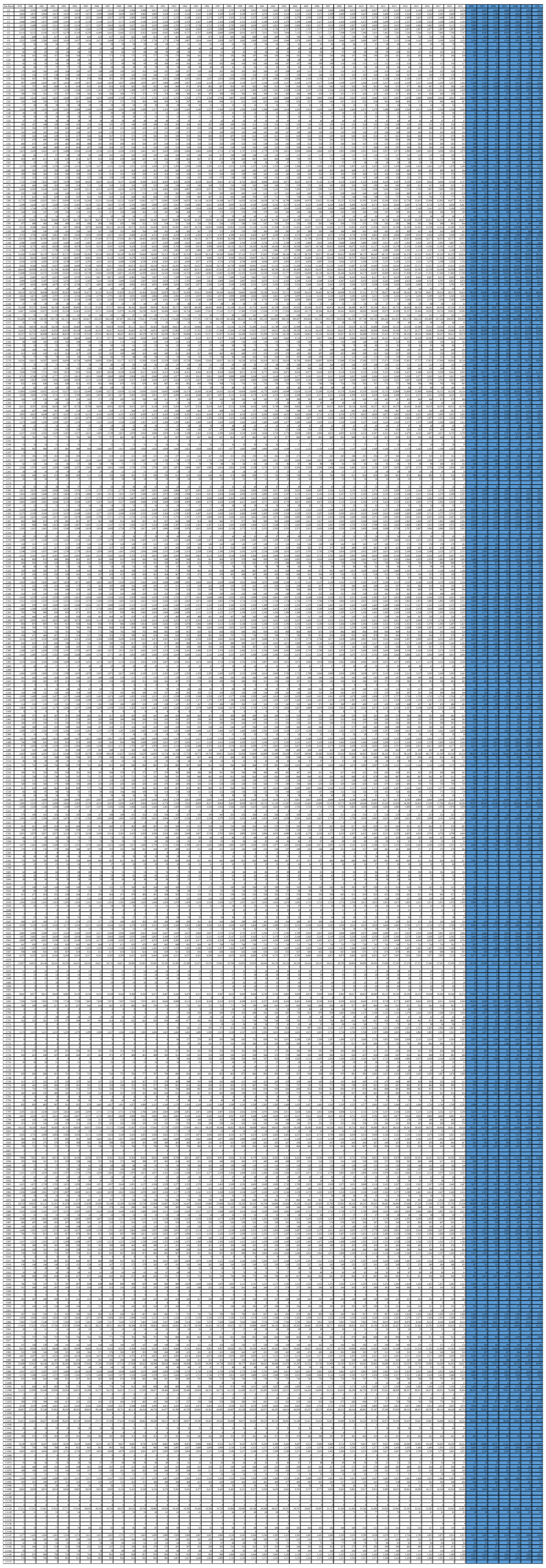
(4) Estimated Sub-Basin-wise Municipal and Industrial Water Demand

Table DBH-32 Estimated Sub-Basin-wise Municipal and Industrial Water Demand (SW) [WRR-VII] (m^3/day)



Source: JICA Survey Team

Table DBH-33 Estimated Sub-Basin-wise Municipal and Industrial Water Demand (GW) [WRR-VII] (m^3/day)

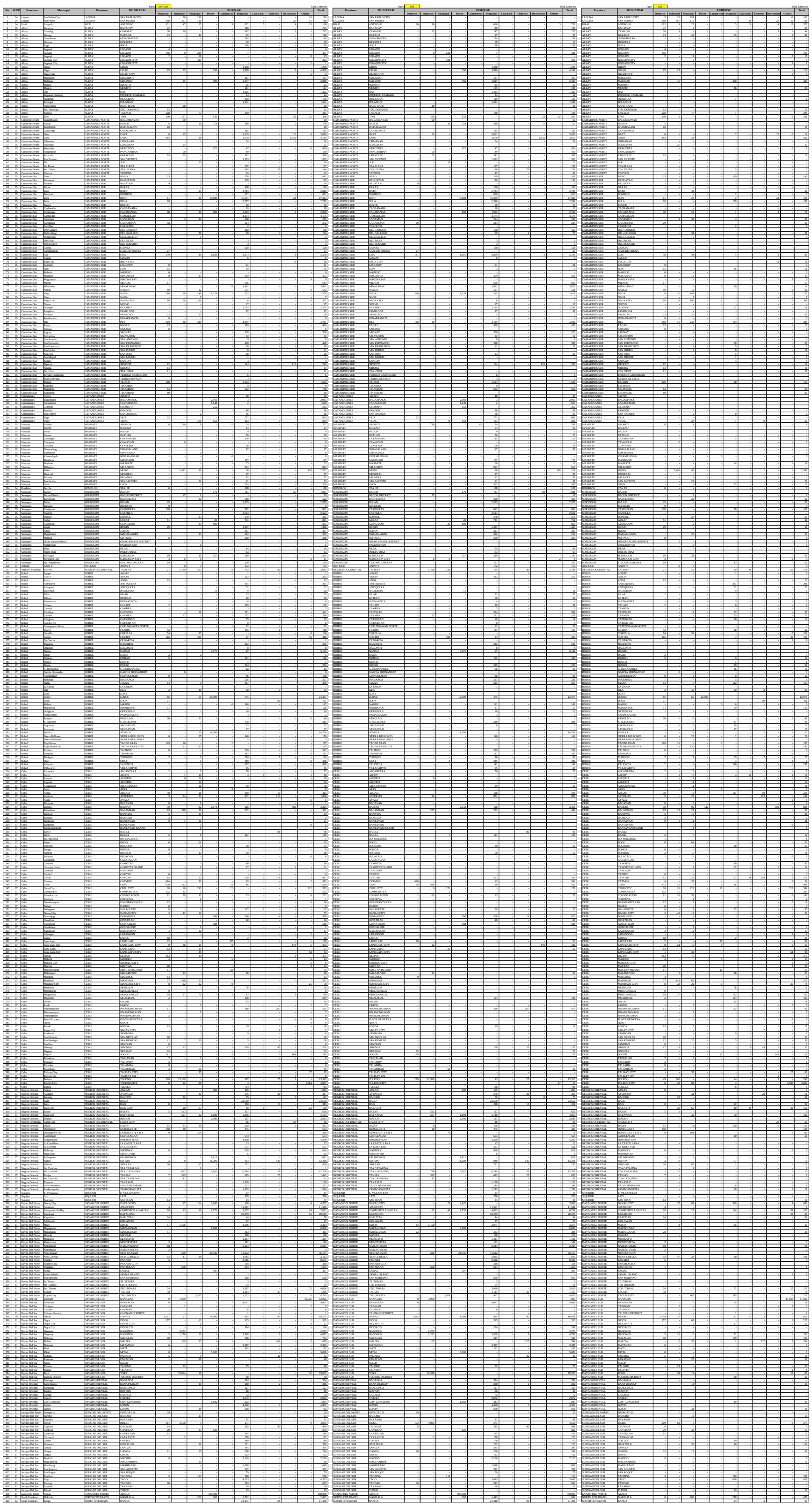


Source: JICA Survey Team

1.1.4 Other Water Demand

(1) Water Permits by NWRB

Table DBH-34 Water Permits as of May 2021 by NWRB (litter/sec)



Source: JICA Survey Team

(2) Estimated Municipality-wise Other Water Demands

Table DBH-35 Estimated Other Water Demands by Municipality (SW) [WRR-VII] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Bohol	Albuquerque	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Alicia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Anda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Antequera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Baclayon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Balilihan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Bien Unido	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Bilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Buenavista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Calape	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Candijay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Catigbian	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Clarin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Corella	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Cortes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Dagohoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Danao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Dauis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Dimiao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Duero	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Garcia Hernandez	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Guindulman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Inabanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Jagna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Jetafe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Lila	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Loay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Loboc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Loon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Maribojoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Panglao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sagbayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sevilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sierra Bullones	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sikatuna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Tagbilaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Talibon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Trinidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Tubigon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Ubay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Valencia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Alcantara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Alcoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Alegria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Aloguinsan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Argao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Asturias	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Badian	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Balamban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Bantayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Barili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Bogo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Boljoon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Borbon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Carcar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Catmon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Cebu City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Consolacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Daanbantayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Dalaguete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Danao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Danao Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Dumanjug	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Ginatilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Lapu-Lapu City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Liloan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Madridejos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Malabuyoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Mandaue City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Medellin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Minglanilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Moalboal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Naga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Oslob	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Pinamungahan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Poro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Ronda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Samboan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	San Remigio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Santa Fe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Santander	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Sibonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Sogod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Tabogon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Tabuelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Talisay City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Toledo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Tuburan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Tudela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Binalbagan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Candoni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Hinoba-An	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Ilog	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Kabankalan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Sipalay City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Amlan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Ayungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bacong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bais City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Basay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bayawan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bindoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Canlaon City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Dauin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Dumaguete City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Guihulngan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Jimalalud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	La Libertad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Mabinay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Manjuyod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Pamplona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Santa Catalina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Siaton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Sibulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Tanjay City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Tayasan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Valencia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Vallehermoso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Zamboanguita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Enrique Villanueva	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Larena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Lazi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Siquijor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source: JICA Survey Team

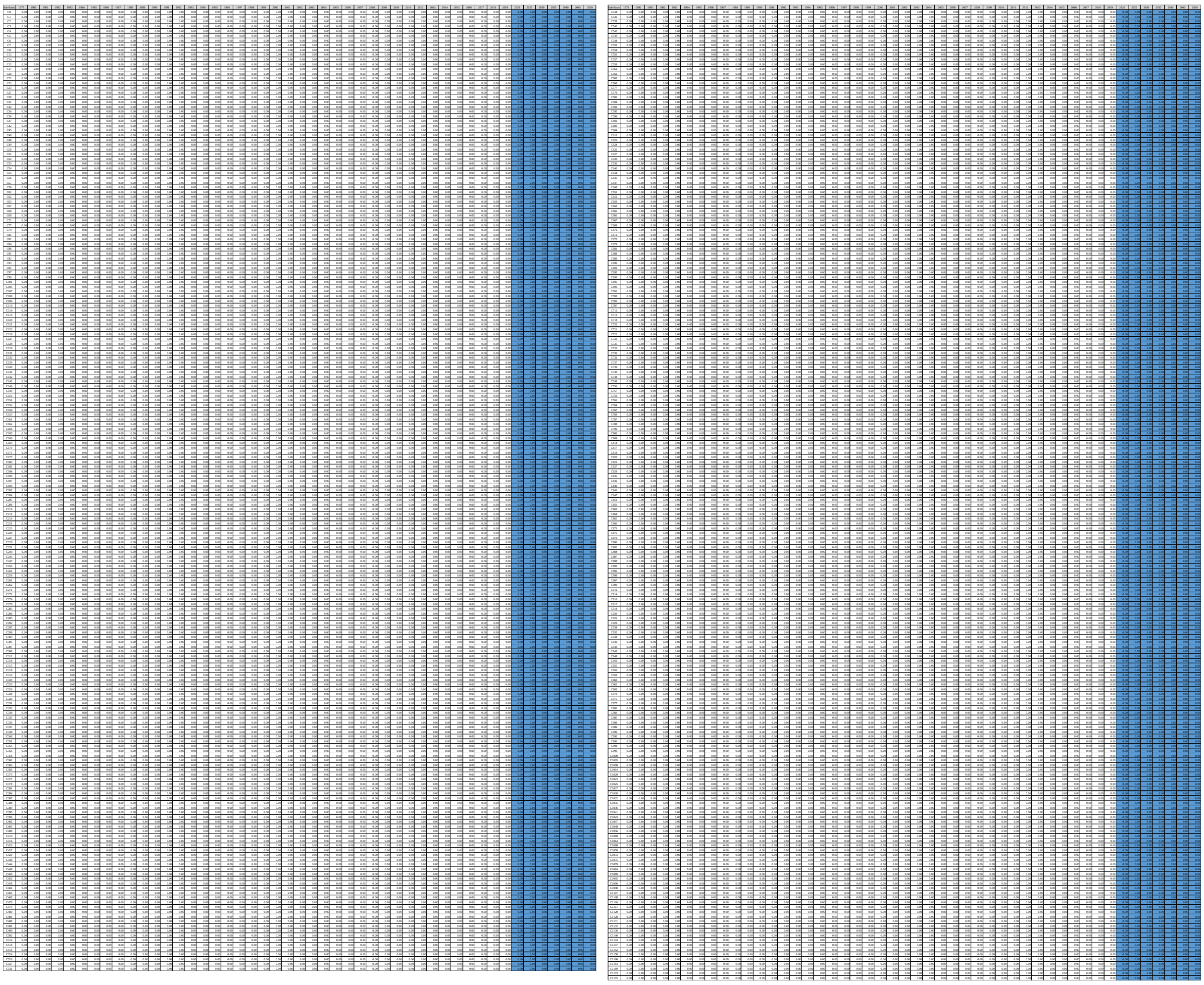
Table DBH-36 Estimated Other Water Demands by Municipality (GW) [WRR-VII] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Bohol	Albuquerque	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Alicia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Anda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Antequera	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Baclayon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Balilihan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Bien Unido	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Bilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Buenavista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Calape	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Candijay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Catigbian	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Clarin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Corella	0.17	0.25	0.32	0.39	0.47	0.54	0.61	0.69	0.76	0.83	0.90	0.98	1.05	1.12	1.20	1.27	1.34	1.42	1.49	1.56	1.63	1.71	1.78	1.85	1.93	2.00	2.07	2.15	2.22	2.29	2.36	2.44	2.51	2.58	2.66	2.73	2.80	2.88	2.95	3.02	3.09	3.30	3.39	3.88	4.19	4.72	5.03	5.33
Bohol	Cortes	176.58	181.64	186.70	191.75	196.81	201.87	206.92	211.98	217.04	222.09	227.15	232.21	237.27	242.32	247.38	252.44	257.49	262.55	267.61	272.66	277.72	282.78	287.84	292.89	297.95	303.01	308.06	313.12	318.18	323.23	328.29	333.35	338.41	343.46	348.52	353.58	358.63	363.69	368.75	373.80	378.86	399.07	410.81	417.60	450.20	482.10	513.61	545.03
Bohol	Dagohoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Danao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Dauis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Dimiao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Duero	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Garcia Hernandez	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Guindulman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Inabanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Jagna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Jetafe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Lila	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Loay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Loboc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Loon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Maribojoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Panglao	421.08	433.14	445.20	457.26	469.32	481.38	493.44	505.50	517.56	529.62	541.68	553.74	565.80	577.86	589.92	601.98	614.04	626.10	638.16	650.22	662.28	674.34	686.40	698.46	710.52	722.58	734.64	746.70	758.76	770.82	782.88	794.94	807.00	819.06	831.12	843.18	855.24	867.30	879.36	891.42	903.48	951.66	979.65	995.86	1,073.65	1,149.68	1,224.81	1,299.75
Bohol	Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sagbayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sevilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sierra Bullones	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Sikatuna	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Tagbilaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Talibon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Trinidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Tubigon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Ubay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bohol	Valencia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Alcantara	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Alcoy	249.92	251.59	253.26	254.93	256.60	258.27	259.93	261.60	263.27	264.94	266.61	268.28	269.94	271.61	273.28	274.95	276.62	278.28	279.95	281.62	283.29	284.96	286.63	288.29	289.96	291.63	293.30	294.97	296.64	298.30	299.97	301.64	303.31	304.98	306.65	308.31	309.98	311.65	313.32	314.99	316.66	312.83	334.46	330.73	344.56	354.73	361.35	364.76
Cebu	Alegria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Aloguinsan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Argao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Asturias	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Badian	2,702.84	2,720.89	2,738.94	2,756.99	2,775.04	2,793.09	2,811.15	2,829.20	2,847.25	2,865.30	2,883.35	2,901.40	2,919.45	2,937.50	2,955.55	2,973.60	2,991.65	3,009.70	3,027.75	3,045.80	3,063.85	3,081.90	3,099.95	3,118.00	3,136.05	3,154.10	3,172.15	3,190.20	3,208.25	3,226.30	3,244.35	3,262.40	3,280.45	3,298.51	3,316.56	3,334.61	3,352.66	3,370.71	3,388.76	3,406.81	3,424.86	3,383.53	3,617.54	3,577.13	3,726.85	3,836.73	3,908.49	3,945.38
Cebu	Balamban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Bantayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Barili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Bogo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Boljoon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Borbon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Carcar	1,039.07	1,046.01	1,052.95	1,059.89	1,066.83	1,073.76	1,080.70	1,087.64	1,094.58	1,101.52	1,108.45	1,115.39	1,122.33	1,129.27	1,136.21	1,143.14	1,150.08	1,157.02	1,163.96	1,170.90	1,177.83	1,184.77	1,191.71	1,198.65	1,205.59	1,212.52	1,219.46	1,226.40	1,233.34	1,240.28	1,247.21	1,254.15	1,261.09	1,268.03	1,274.97	1,281.90	1,288.84	1,295.78	1,302.72	1,309.66	1,316.59	1,300.71	1,390.65	1,375.12	1,432.66	1,474.92	1,502.49	1,516.66
Cebu	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Catmon	14.09	14.19	14.28	14.37	14.47	14.56	14.66	14.75	14.84	14.94	15.03	15.13	15.22	15.32	15.41	15.50	15.60	15.69	15.79	15.88	15.97	16.07	16.16	16.26	16.35	16.44	16.54	16.63	16.73	16.82	16.91	17.01	17.10	17.20	17.29	17.38	17.48	17.57	17.67	17.76	17.86	17.64	18.86	18.65	19.43	20.00	20.38	20.57
Cebu	Cebu City	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
Cebu	Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Consolacion	1,403.45	1,415.68	1,427.91	1,440.14	1,452.38	1,464.61	1,476.84	1,489.07	1,501.30	1,513.54	1,525.77	1,538.00	1,550.23	1,562.46	1,574.70	1,586.93	1,599.16	1,611.39	1,623.62	1,635.85	1,648.09	1,660.32	1,672.55	1,684.78	1,697.01	1,709.25	1,721.48	1,733.71	1,745.94	1,758.17	1,770.41	1,782.64	1,794.87	1,807.10	1,819.33	1,831.57	1,843.80	1,856.03	1,868.26	1,880.49	1,892.73	1,820.95	2,047.47	2,024.61	2,109.32	2,171.55	2,212.15	2,233.01
Cebu	Daanbantayan	249.18	250.84	252.51	254.17	255.83	257.50	259.16	260.82	262.49	264.15	265.82	267.48	269.14	270.81	272.47	274.13	275.80	277.46	279.13	280.79	282.45	284.12	285.78	287.45	289.11	290.77	292.44	294.10	295.76	297.43	299.09	300.76	302.42	304.08	305.75	307.41	309.08	310.74	312.40	314.07	315.73	311.92	333.49	329.77	343.56	353.70	360.31	363.71
Cebu	Dalaguete	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Danao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Danao Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Dumanjug	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Ginatilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Lapu-Lapu City	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
Cebu	Liloan	238.04	240.11	242.19	244.26	246.34	248.41	250.49	252.56	254.63	256.71	258.78	260.86	262.93	265.01	267.08	269.16	271.23	273.31	275.38	277.45	279.53	281.60	283.68	285.75	287.83	289.90	291.98	294.05	296.13	298.20	300.27	302.35	304.42	306.50	308.57	310.65	312.72	314.80	316.87	318.94	321.02	308.85	347.26	343.39	357.76	368.31	375.19	378.73
Cebu	Madridejos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Malabuyoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Mandaue City	54,117.19	54,588.85	55,060.50	55,532.16	56,003.81	56,475.46	56,947.12	57,418.77	57,890.43	58,362.08	58,833.74	59,305.39	59,777.05	60,248.70	60,720.35	61,192.01	61,663.66	62,135.32	62,606.97	63,078.63	63,550.28	64,021.93	64,493.59	64,965.24	65,436.90	65,908.55	66,380.21	66,851.86	67,323.51	67,795.17	68,266.82	68,738.48	69,210.13	69,681.79	70,153.44	70,625.10	71,096.75	71,568.40	72,040.06	72,511.71	72,983.37	70,215.68	78,949.91	78,068.89	81,335.60	83,734.49	85,299.98	86,104.30
Cebu	Medellin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Minglanilla	332.25	334.46	336.68	338.90	341.12	343.34	345.56	347.78	349.99	352.21	354.43	356.65	358.87	361.09	363.31	365.52	367.74	369.96	372.18	374.40	376.62	378.84	381.05	383.27	385.49	387.71	389.93	392.15	394.37	396.58	398.80	401.02	403.24	405.46	407.68	409.89	412.11	414.33	416.55	418.77	420.99	415.91	444.67	439.70	458.10	471.61	480.43	484.96
Cebu	Moalboal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Naga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Oslob	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Pinamungahan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Poro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Ronda	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Samboan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	San Remigio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Santa Fe	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Santander	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Sibonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Sogod	5,387.41	5,423.38	5,459.35	5,495.32	5,531.29	5,567.26	5,603.23	5,639.20	5,675.17	5,711.14	5,747.11	5,783.07	5,819.04	5,855.01	5,890.98	5,926.95	5,962.92	5,998.89	6,034.86	6,070.83	6,106.80	6,142.77	6,178.74	6,214.71	6,250.68	6,286.65	6,322.61	6,358.58	6,394.55	6,430.52	6,466.49	6,502.46	6,538.43	6,574.40	6,610.37	6,646.34	6,682.31	6,718.28	6,754.25	6,790.22	6,826.19	6,743.85	7,210.15	7,129.60	7,427.85	7,647.06	7,789.96	7,863.40
Cebu	Tabogon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Tabuelan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Talisay City	63,732.36	64,287.80	64,843.23	65,398.66	65,954.10	66,509.53	67,064.96	67,620.40	68,175.83	68,731.26	69,286.70	69,842.13	70,397.56	70,953.00	71,508.43	72,063.86	72,619.30	73,174.73	73,730.16	74,285.60	74,841.03	75,396.46	75,951.90	76,507.33	77,062.76	77,618.20	78,173.63	78,729.06	79,284.50	79,839.93	80,395.36	80,950.80	81,506.23	82,061.66	82,617.10	83,172.53	83,727.96	84,283.40	84,838.83	85,394.26	85,949.70	82,690.10	92,976.35	91,938.73	95,785.46	98,610.51	########	########
Cebu	Toledo City	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########	########
Cebu	Tuburan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cebu	Tudela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Binalbagan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Candoni	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Hinoba-An	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Ilog	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Kabankalan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Occidental	Sipalay City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Amlan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Ayungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bacong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bais City	2,082.25	2,116.25	2,150.25	2,184.25	2,218.25	2,252.25	2,286.25	2,320.25	2,354.25	2,388.25	2,422.26	2,456.26	2,490.26	2,524.26	2,558.26	2,592.26	2,626.26	2,660.26	2,694.26	2,728.26	2,762.26	2,796.26	2,830.26	2,864.26	2,898.26	2,932.26	2,966.27	3,000.27	3,034.27	3,068.27	3,102.27	3,136.27	3,170.27	3,204.27	3,238.27	3,272.27	3,306.27	3,340.27	3,374.27	3,408.27	3,442.27	3,573.10	3,673.50	3,688.68	3,923.49	4,137.70	4,345.19	4,562.33
Negros Oriental	Basay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bayawan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Bindoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Canlaon City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Dauin	14.83	15.07	15.31	15.55	15.80	16.04	16.28	16.52	16.76	17.01	17.25	17.49	17.73	17.98	18.22	18.46	18.70	18.94	19.19	19.43	19.67	19.91	20.15	20.40	20.64	20.88	21.12	21.36	21.61	21.85	22.09	22.33	22.57	22.82	23.06	23.30	23.54	23.78	24.03	24.27	24.51	25.44	26.16	26.26	27.94	29.46	30.94	32.48
Negros Oriental	Dumaguete City	1,149.11	1,153.66	1,158.22	1,162.77	1,167.32	1,171.87	1,176.42	1,180.98	1,185.53	1,190.08	1,194.63	1,199.19	1,203.74	1,208.29	1,212.84	1,217.40	1,221.95	1,226.50	1,231.05	1,235.60	1,240.16	1,244.71	1,249.26	1,253.81	1,258.37	1,262.92	1,267.47	1,272.02	1,276.57	1,281.13	1,285.68	1,290.23	1,294.78	1,299.34	1,303.89	1,308.44	1,312.99	1,317.55	1,322.10	1,326.65	1,331.20	1,522.37	1,246.67	1,300.59	1,331.51	1,404.20	1,474.61	1,548.31
Negros Oriental	Guihulngan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Jimalalud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	La Libertad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Mabinay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Manjuyod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Pamplona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Santa Catalina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Siaton	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Sibulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Tanjay City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Tayasan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Valencia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Vallehermoso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negros Oriental	Zamboanguita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Enrique Villanueva	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Larena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Lazi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	San Juan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siquijor	Siquijor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		708,401	714,361	720,321	726,280	732,240	738,200	744,160	750,119	756,079	762,039	767,998	773,958	779,918	785,878	791,837	797,797	803,757	809,716	815,676	821,636	827,595	833,555	839,515	845,475	851,434	857,394	863,354	869,313	875,273	881,233	887,193	893,152	899,112	905,072	911,031	916,991	922,951	928,911	934,870	940,830	946,790	915,313	1,020,198	1,008,976	1,051,303	1,082,508	1,102,994	1,113,724

Source: JICA Survey Team

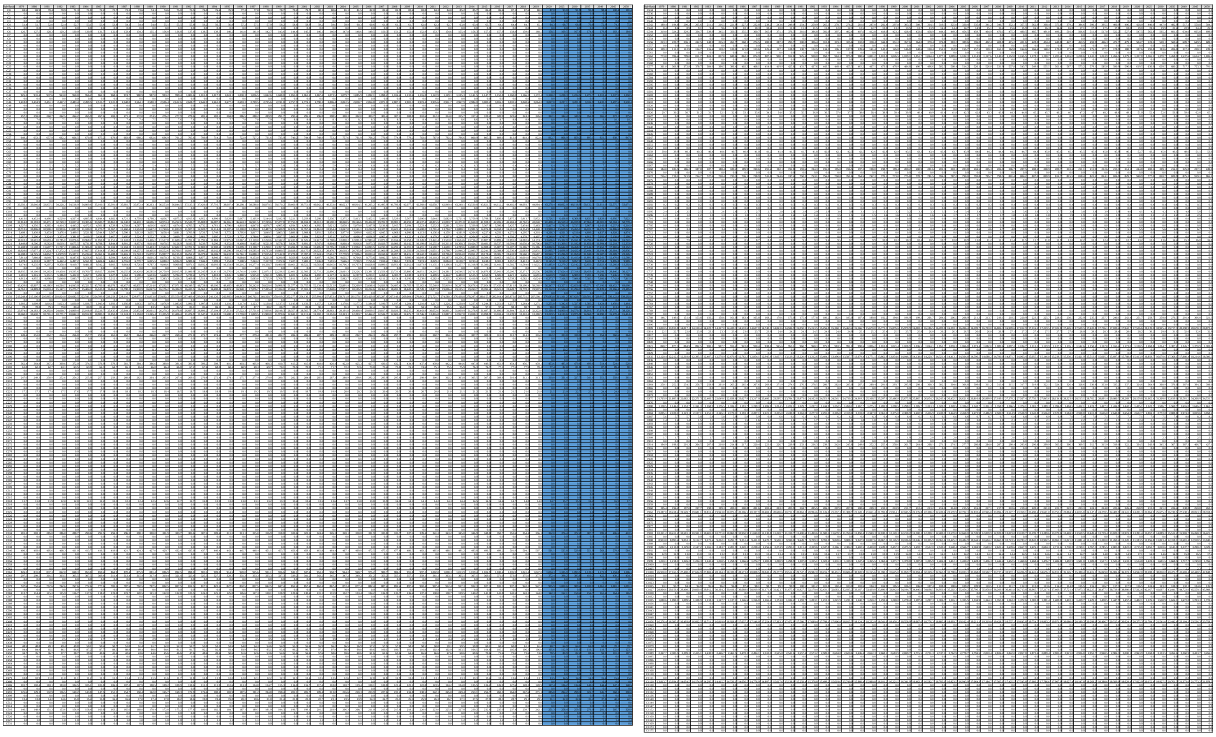
(3) Estimated Sub-Basin-wise Other Water Demands

Table DBH-37 Estimated Other Water Demands by Sub-Basin (SW) [WRR-VII] (m^3/day)



Source: JICA Survey Team

Table DBH-38 Estimated Other Water Demands by Sub-Basin (GW) [WRR-VII] (m^3/day)



Source: JICA Survey Team

1.2 WRR-XI (South-Eastern Mindanao)

1.2.1 Irrigation Water Demand

(1) Area [km^2] of Sub-Basin in Municipality

Table DBH-39 Area [km^2] of Sub-Basin in Municipality [WRR-XI] (1/4)

ID	Sub-Basin	Agusan del Norte	Agusan del Norte	Agusan del Norte	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Bukidnon	Bukidnon	Bukidnon	Bukidnon	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur
		Agusan del Norte-Cabadbaran City	Agusan del Norte-Jabonga	Agusan del Norte-Santiago	Agusan del Sur-Bayugan City	Agusan del Sur-Bunawan	Agusan del Sur-Prosperidad	Agusan del Sur-Rosario	Agusan del Sur-San Francisco	Agusan del Sur-Sibagat	Agusan del Sur-Trento	Agusan del Sur-Veruela	Bukidnon-Cabanglasan	Bukidnon-Kitaotao	Bukidnon-Quezon	Bukidnon-San Fernando	Compostela Valley-Compostela	Compostela Valley-Laak	Compostela Valley-Mabini	Compostela Valley-Maco	Compostela Valley-Maragusan	Compostela Valley-Mawab	Compostela Valley-Monkayo	Compostela Valley-Montevista	Compostela Valley-Nabunturan	Compostela Valley-New Bataan	Compostela Valley-Pantukan	Davao del Norte-Asuncion	Davao del Norte-Braulio E. Dujali	Davao del Norte-Carmen	Davao del Norte-Kapalong	Davao del Norte-New Corella	Davao del Norte-Panabo City	Davao del Norte-Samal City	Davao del Norte-San Isidro	Davao del Norte-Santo Tomas	Davao del Norte-Tagum City	Davao del Norte-Talaingod	Davao del Sur-Bansalan	Davao del Sur-Davao City	Davao del Sur-Digos City	Davao del Sur-Don Marcelino	Davao del Sur-Hagonoy	Davao del Sur-Jose Abad Santos	Davao del Sur-Kiblawan	Davao del Sur-Magsaysay	Davao del Sur-Malalag	Davao del Sur-Malita	Davao del Sur-Matanao	Davao del Sur-Padada	Davao del Sur-Santa Cruz	Davao del Sur-Santa Maria	Davao del Sur-Sulop
0	C0	7.877	3.04	44.47						9.89																																											
6	C6																																																			
8	C8																																																			
10	C10																																																			
16	C16																																																			
17	C17																																																			
25	C25	22								95.10																																											
35	C35										6.94																																											
37	C37																																																			
49	C49										71.92																																											
52	C52																																																			
60	C60																																																			
67	C67																																																			
69	C69					5.96		5.73																																														
79	C79																																																			
80	C80																																																			
81	C81																																																			
82	C82																																																			
90	C90																																																			
94	C94																																																			
96	C96																																																			
97	C97																																																			
102	C102																																																			
106	C106									20.30																																											
108	C108									11.88																																											
116	C116						0.26		54.52																																												
121	C121						0.54		1.62																																												
128	C128						42.10					29.77																																									
129	C129																																																			
137	C137											17.52																																									
138	C138											31.81																																									
141	C141																																																			
147	C147											30.46																																									
149	C149												33.30	0.96																		64.83																						
151	C151																																																			
154	C154																																																			
156	C156																															50.79																						
157	C157																															28.15																						
160	C160																																																			
161	C161																															85.87																						
167	C167																		38.52													19.28				23.89																		
168	C168																															39.00				1.55			69.61															
169	C169																																																			
170	C170																		6.30					74.21	5.59				1.16																									
171	C171																																																			
172	C172																																																			
173	C173																															50.19							4.95															
174	C174																		44.11										29.32																									
176	C176																		62.75																	0.00																		
179	C179																0.93															18.32							53.16															
184	C184																							0.76	33.55				26.87																									
186	C186																	26.41						0.01			1.14																											
190	C190															52.58	27.05																																					
200	C200																																																			
205	C205																															12.12				21.12			15.53															
209	C209																		22.26										0.54																									
216	C216																		19.84										0.18							0.91																		
218	C218																															14.93							69.85															
220	C220																		0.42										0.00			18.62				32.00																		
226	C226																																							55.63															
234	C234																																																			
235	C235																								34.91	3.85			9.45				30.72																					
239	C239																												8.27			15.41																						
247	C247																																							22.09															
248	C248																																70.65																					
251	C251																																																			
255	C255																																					40.35		21.33		12.03													
259	C259																3.04																						77.99		20.12													
261	C261																	0.62									104.61																											
265	C265																															9.92					14.81																	
266	C266																										9.83																											
268	C268														0.28	0.13																							0.30		48.90													
269	C269																																					30.98		13.94															
274	C274																												24.36				2.68					20.39																
275	C275																																									67.13													
276	C276																																									26.43													
278	C278																						28.70			23.07							26.86																					
283	C283																													8.91	8.88			16.88			7.04		0.34		24.93													
284	C284																																																			
288	C288																																									44.86													
290	C290																																																			
294	C294																										64.56																											
295	C295																				0.04		23.38			5.15																												
297	C297																													16.03				3.19			14.50				1.91													
303	C303																													6.33				0.12			32.42																	
308	C308																																									48.94													
309	C309																				27.36		20.07			3.53																												
313	C313																														0.05							42.41																
314	C314																																																			
317	C317																													20.77	8.28																							
318	C318																					106.09					50.93	39.72																										
321	C321																																	0.07							99.44													
323	C323																																																			
325	C325																				1.88																	28.18																
326	C326																				33.69																																	
327	C327																																									42.47													
331	C331																			43.97	36.86	14.61				0.43																												
333	C333																			3.93	54.02																	0.21																
341	C341																			11.46	22.96																																	
350	C350																														17.30			20.20				0.74			2.68													
357	C357																																									64.35													
359	C359																					1.41						4.16																										
360	C360																			81.27	0.08							12.15																										
364	C364																																																			
368	C368																			63.51		25.13						26.28																										
378	C378																					3.73						52.49																										
384	C384																											59.96																										
385	C385																											21.14																										
386	C386																											68.74																										
389	C389																											14.36																										
397	C397																																	5.28							39.28													
398	C398																																									76.34													
403	C403																																									24.87													
407	C407																																									57.73													
408	C408																											92.60																										
416	C416																																																			
418	C418																																									67.39													
426	C426																																		36.29																			
429	C429																																									82.37													
430	C430																																									42.24													
432	C432																																									52.69													
433	C433																																																			
436	C436																											13.59																										
445	C445																																																			
453	C453																																									35.67													
456	C456																																		49.22																			
463	C463																																																			
466	C466																																																			
467	C467																																																			
470	C470																																									50.31	5.64										39.07		
472	C472																																								9.07		0.24					0.72							
474	C474																																																			
476	C476																																																			
479	C479																																																			
480	C480																																									1.17	65.99												
482	C482																																										24.90										38.83		
488	C488																																								22.15		9.69												
489	C489																																								32.62							24.47							
490	C490																																										37.51												
491	C491																																																			
492	C492																																															4.53							
493	C493																																																				59.61		
494	C494																																																			
496	C496																																															3.33							
501	C501																																															40.52							
503	C503																																																			
505	C505																																																			
507	C507																																										21.69												
511	C511																																										27.96								10.52				
512	C512																																																			
515	C515																																															0.08							
516	C516																																																			
521	C521																																														1.43				8.43				
525	C525																																														3.79				2.87				
529	C529																																														37.44		0.37						
530	C530																																																			
531	C531																																																			
534	C534																																														0.97				0.32				
536	C536																																																35.46						18.72
538	C538																																																0.97					14.46	
539	C539																																														7.97		8.07						
542	C542																																														5.35		62.97						5.67
544	C544																																																			
548	C548																																																			
549	C549																																																			
550	C550																																																	16.35				20.80	
553	C553																																																28.84						
554	C554																																																83.17	79.25				2.86	
561	C561																																																			
563	C563																																																			

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-40 Area [km²] of Sub-Basin in Municipality [WRR-XI] (2/4)

ID	Sub-Basin	Agusan del Norte	Agusan del Norte	Agusan del Norte	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Agusan del Sur	Bukidnon	Bukidnon	Bukidnon	Bukidnon	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao de Oro	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Norte	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur	Davao del Sur
		Agusan del Norte-Cabadbaran City	Agusan del Norte-Jabonga	Agusan del Norte-Santiago	Agusan del Sur-Bayugan City	Agusan del Sur-Bunawan	Agusan del Sur-Prosperidad	Agusan del Sur-Rosario	Agusan del Sur-San Francisco	Agusan del Sur-Sibagat	Agusan del Sur-Trento	Agusan del Sur-Veruela	Bukidnon-Cabanglasan	Bukidnon-Kitaotao	Bukidnon-Quezon	Bukidnon-San Fernando	Compostela Valley-Compostela	Compostela Valley-Laak	Compostela Valley-Mabini	Compostela Valley-Maco	Compostela Valley-Maragusan	Compostela Valley-Mawab	Compostela Valley-Monkayo	Compostela Valley-Montevista	Compostela Valley-Nabunturan	Compostela Valley-New Bataan	Compostela Valley-Pantukan	Davao del Norte-Asuncion	Davao del Norte-Braulio E. Dujali	Davao del Norte-Carmen	Davao del Norte-Kapalong	Davao del Norte-New Corella	Davao del Norte-Panabo City	Davao del Norte-Samal City	Davao del Norte-San Isidro	Davao del Norte-Santo Tomas	Davao del Norte-Tagum City	Davao del Norte-Talaingod	Davao del Sur-Bansalan	Davao del Sur-Davao City	Davao del Sur-Digos City	Davao del Sur-Don Marcelino	Davao del Sur-Hagonoy	Davao del Sur-Jose Abad Santos	Davao del Sur-Kiblawan	Davao del Sur-Magsaysay	Davao del Sur-Malalag	Davao del Sur-Malita	Davao del Sur-Matanao	Davao del Sur-Padada	Davao del Sur-Santa Cruz	Davao del Sur-Santa Maria	Davao del Sur-Sulop
566	C566																																													28.25	22.46					
567	C567																																														65.25				31.86	
570	C570																																														60.14					
571	C571																																																				
579	C579																																													11.68	47.74				35.84	
582	C582																																														100.53				1.81	
584	C584																																																				
591	C591																																														6.03					
606	C606																																								118.08						19.53					
622	C622																																																				
627	C627																																																				
630	C630																																														40.26					
633	C633																																																				
640	C640																																																				
641	C641																																																				
642	C642																																								29.34						54.45					
644	C644																																																				
649	C649																																																				
652	C652																																																				
653	C653																																																				
655	C655																																								17.11		98.89									
662	C662																																																				
664	C664																																																				
666	C666																																																				
669	C669																																								31.00		23.54									
670	C670																																																				
672	C672																																								115.70		24.57									
676	C676																																																				
683	C683																																																				
685	C685																																																				
688	C688																																																				
689	C689																																										87.01									
691	C691																																																				
692	C692																																										103.99									
695	C695																																																				
696	C696																																																				
699	C699																																																				
700	C700																																																				
701	C701																																																				
705	C705																																																				
706	C706																																																				
707	C707																																																				
712	C712																																																				
716	C716																																										29.41									
721	C721																																																				
723	C723																																										75.10									
727	C727																																																				
728	C728																																										87.43									
729	C729																																										0.01									
734	C734																																						82.10													
736	C736					3.71		46.32																																													
745	C745																																																				
748	C748							58.90																																													
751	C751											34.12																		32.40																						
766	C766														11.51																						25.01		26.03													
769	C769																																														79.68						
784	C784																														4.32							41.76															
790	C790										89.10																																										
801	C801																																														12.40					
803	C803																																																				
807	C807																																																				
813	C813																																																				
814	C814																																																				
815	C815																																					19.60		8.38		0.12						24.08				
824	C824																													8.08	0.45			36.36							7.61													
827	C827											22.25																		63.07																						
837	C837																																44.67							20.60													
840	C840																																								4.87						144.81					
858	C858																																																				
859	C859									2.88																																											
861	C861														87.35	6.23																						20.49															
862	C862																																														59.78						
863	C863																																						155.25													
869	C869																																																				
876	C876																																						77.21													
877	C877																																					3.87				24.60						17.10				
879	C879																										3.99																										
894	C894																				4.78					3.89																											
898	C898																																																				
899	C899																					10.99										65.14					0.01																
910	C910																																														39.56					25.68	
921	C921																																																				
929	C929																																														2.94				97.30	
930	C930																					19.28			1.01																												
931	C931																																																				
932	C932				1.77					7.13																																											
935	C935																																																				
937	C937																																																				
941	C941																																													5.63							
950	C950																																														133.37					
953	C953									36.52																																											
956	C956																													1.37	2.83			38.57																				
959	C959					57.08		23.55																																													
960	C960																																																				
969	C969																	10.19													0.75				31.21																		
970	C970																																													3.83			2.90				
974	C974																																					36.82							5.00							
977	C977																																																				
982	C982																																							11.98		7.29						2.42				
992	C992						4.97																																														
994	C994																													0.00		6.12					26.69		10.94															
1002	C1002																																																				
1004	C1004																		44.30	17.61																																	
1005	C1005					39.52					0.03																																										
1009	C1009																																42.50							11.03													
1014	C1014																																																				
1015	C1015																																														14.55					
1020	C1020																																										9.77									
1022	C1022																																										8.64									
1023	C1023																																																				
1027	C1027																	15.18																	7.85																		
1028	C1028																																																				
1031	C1031																																			43.71		1.74															
1032	C1032																																					6.19							11.52			0.00				
1039	C1039														5.47	150.75															2.36							1.06															
1041	C1041							13.30																																													
1042	C1042																					1.55						0.93				30.65					22.53																
1049	C1049																																																				
1054	C1054																																						52.89											69.08		
1055	C1055																																													0.60			19.26				
1060	C1060																																						118.81													
1061	C1061															70.01																						87.20		17.88													
1066	C1066																																												4.15				4.70				
1076	C1076					2.27					4.12																																										
1089	C1089																																						32.81													
1090	C1090																	1.49										25.64			8.99				10.61																		
1091	C1091																																																				
1095	C1095															0.14															97.90																						
1097	C1097																										59.68																										
1098	C1098																																																				
1102	C1102																																																				
1110	C1110																																						58.16													
1122	C1122																																													7.69			0.96				
1125	C1125																													30.56			15.31																				
1128	C1128																													25.57	7.13						29.65																	
1135	C1135																																																				
1137	C1137																																							0.59		32.05							0.01			
1138	C1138																																																				
1142	C1142																																																				
1144	C1144																																																				
1150	C1150																																					5.75				4.75			1.83			16.97				
1153	C1153																											27.84				20.34																					
1162	C1162																														32.46							0.45															
1164	C1164																			8.32		22.23															13.16																
1166	C1166																																										2.05		8.61				12.36	1.27			
1167	C1167																																																				
1168	C1168																	3.18										10.99				12.15																					
1175	C1175																														59.33				10.55																		
1188	C1188																														29.14				50.66			5.50															
1193	C1193																													5.57	17.88						0.47																	
1196	C1196																																										3.90		10.26				0.44	20.79			9.64
1198	C1198																											22.11				2.71																					
1200	C1200																																																				
1201	C1201																																										10.25				0.00			27.68			9.78
1204	C1204																																																				
1207	C1207																																																				
1210	C1210																													20.36							2.53																
1211	C1211																											5.10			16.61					7.92																	
1219	C1219																											0.73			52.06				10.78																		
1220	C1220																																						77.34													
1223	C1223																			34.23		2.29															0.70																
1231	C1231																											1.50	13.93	8.34						17.86																	
1234	C1234																																73.99							12.72													
1235	C1235																																						78.57													
1236	C1236																																																				
1237	C1237																																																				
1241	C1241																											4.91			0.80																						
1242	C1242																											24.88	0.05							1.28	0.24																
1246	C1246																											1.70	5.37							0.08	18.41																
1248	C1248																												7.08	14.89							19.17																
1250	C1250																																						121.50													
1253	C1253																													10.78							4.64																
1256	C1256																																2.37							116.66													
TOTAL		30	3.04	44.47	7.73	145.47	10.70	198.21	32.18	230.37	202.81	89.67	0.96	0.28	157.03	258.16	27.03	224.23	248.45	237.04	155.76	128.48	74.98	74.05	37.04	234.96	468.85	226.48	119.07	147.75	833.73	261.90	299.51	85.51	201.13	267.78	173.34	598.85	136.09	2,101.43	214.55	316.09	85.01	548.37	79.97	109.74	438.79	820.08	123.31	49.75	206.60	230.60	43.81

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-41 Area [km^2] of Sub-Basin in Municipality [WRR-XI] (3/4)

ID	Sub-Basin	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	North Cotabato	North Cotabato	North Cotabato	North Cotabato	Sarangani	Sarangani	Sarangani	Sarangani	Sarangani	Sarangani	South Cotabato	South Cotabato	South Cotabato	South Cotabato	South Cotabato	South Cotabato	Sultan Kudarat	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Total
		Davao Oriental-Baganga	Davao Oriental-Banaybanay	Davao Oriental-Boston	Davao Oriental-Caraga	Davao Oriental-Cateel	Davao Oriental-Governor Generoso	Davao Oriental-Lupon	Davao Oriental-Manay	Davao Oriental-Mati City	Davao Oriental-San Isidro	Davao Oriental-Tarragona	North Cotabato-Arakan	North Cotabato-Magpet	North Cotabato-Makilala	North Cotabato-Tulunan	Sarangani-Alabel	Sarangani-Glan	Sarangani-Kiamba	Sarangani-Maasim	Sarangani-Malapatan	Sarangani-Malungon	South Cotabato-General Santos City	South Cotabato-Lake Sebu	South Cotabato-Polomolok	South Cotabato-Tampakan	South Cotabato-T'Boli	South Cotabato-Tupi	Sultan Kudarat-Columbio	Surigao del Sur-Barobo	Surigao del Sur-Bayabas	Surigao del Sur-Bislig City	Surigao del Sur-Cagwait	Surigao del Sur-Cantilan	Surigao del Sur-Carmen	Surigao del Sur-Carrascal	Surigao del Sur-Cortes	Surigao del Sur-Hinatuan	Surigao del Sur-Lanuza	Surigao del Sur-Lianga	Surigao del Sur-Lingig	Surigao del Sur-Madrid	Surigao del Sur-Marihatag	Surigao del Sur-San Agustin	Surigao del Sur-San Miguel	Surigao del Sur-Tagbina	Surigao del Sur-Tago	Surigao del Sur-Tandag City	
0	C0																																	83.15		80.30						4.96							233.68
6	C6																																				18.99		7.63										26.62
8	C8																																		2.73		9.60		48.03									15.90	76.26
10	C10																																				10.05		30.06										40.10
16	C16																																		34.40				7.04										41.44
17	C17																																	16.01	26.27				0.00			59.18							101.46
25	C25																																	0.67	0.86							6.56							124.91
35	C35																																		6.29				20.58						1.21			35.59	70.60
37	C37																																				2.35											36.12	38.46
49	C49																																												9.36			2.18	83.46
52	C52																																												93.53		2.28		95.82
60	C60																														5.92		55.21										0.95						62.08
67	C67																																39.01												0.16		43.24		82.41
69	C69																																												42.65				54.34
79	C79																																40.51										82.02	5.53			2.01		130.07
80	C80																																										24.13		20.24		63.50		107.87
81	C81																																										87.22	37.04	8.32		0.83		133.41
82	C82																																										26.51	1.46					27.97
90	C90																																							9.81				68.03					77.85
94	C94																													4.31										54.22				0.37					58.90
96	C96																													13.16																			13.16
97	C97																													22.52								37.85								0.75			61.12
102	C102																													8.14								61.86								53.07			123.07
106	C106																													68.35										4.92						1.83			95.39
108	C108																																													98.73			110.61
116	C116																																													0.26			55.04
121	C121																															15.13						12.43											29.72
128	C128																															18.84																	90.70
129	C129																															15.82									13.56								29.38
137	C137																															41.21									15.21								73.95
138	C138																															46.77																	78.58
141	C141																																								18.78								18.78
147	C147			14.64																																					25.56								70.67
149	C149																																																99.09
151	C151			13.23																																					23.76								37.00
154	C154			30.32																																					9.14								39.46
156	C156																																																50.79
157	C157																																																28.15
160	C160			66.37		0.52																																										66.89
161	C161																																																85.87
167	C167																																																81.69
168	C168																																																110.15
169	C169	26.89		4.99		94.46																																										126.35
170	C170																																																87.26
171	C171					21.51																																										21.51
172	C172	0.20				60.22																																										60.41
173	C173																																																55.13
174	C174																																																73.43
176	C176																																																62.76
179	C179																																																72.41
184	C184																																																61.17
186	C186	83.71				34.22																																										145.50
190	C190																																																79.63
200	C200	88.13				14.87																																										103.00
205	C205																																																48.77
209	C209																																																22.79
216	C216																																																20.92
218	C218																																																84.78
220	C220																																																51.04
226	C226																																																55.63
234	C234	147.77																																														147.77
235	C235																																																78.93
239	C239																																																23.68
247	C247																																																22.09
248	C248																																																70.65
251	C251	99.27																																														99.27
255	C255																																																73.71
259	C259																																																101.15
261	C261	79.65																																														184.88
265	C265																																																24.73
266	C266	123.11																																														132.93
268	C268												54.15																																			103.77
269	C269																																																44.92
274	C274																																																47.43
275	C275																																																67.13
276	C276																																																26.43
278	C278																																																78.64
283	C283																																																67.00
284	C284	79.30																																														79.30
288	C288																																																44.86
290	C290	81.80			0.54																																											82.34
294	C294	30.39			2.39																																											97.34
295	C295																																																28.56
297	C297																																																35.64
303	C303																																																38.87
308	C308																																																48.94
309	C309																																																50.95
313	C313																																																42.46
314	C314	27.79			84.59																																											112.38
317	C317																																																29.05
318	C318		0.55		18.83																																											216.12
321	C321																																																99.51
323	C323				153.63																																											153.63
325	C325																																																30.07
326	C326																																																33.69
327	C327												6.16																																			48.63
331	C331																																																95.87
333	C333																																																58.17
341	C341																																																34.42
350	C350																																																40.93
357	C357												5.16	0.14																																		69.66
359	C359		1.39		54.52				53.02																																							114.51
360	C360																																																93.51
364	C364				33.91				89.97																																							123.89
368	C368																																																114.92
378	C378		35.86					23.04																																								115.12
384	C384																																																59.96
385	C385		70.67					46.33		0.00																																						138.14
386	C386																																																68.74
389	C389		73.42					14.15	84.30																																							186.23
397	C397																																																44.56
398	C398																																																76.34
403	C403												0.60	1.44																																		26.91
407	C407													0.10																																		57.83
408	C408		1.07																																														93.67
416	C416							5.90	66.56			86.29																																				158.74
418	C418																																																67.39
426	C426																																																36.29
429	C429																																																82.37
430	C430																																																42.24
432	C432																																																52.69
433	C433											110.21																																				110.21
436	C436		34.75																																														48.34
445	C445							63.63		53.98		29.83																																				147.44
453	C453																																																35.67
456	C456																																																49.22
463	C463		0.00					59.29		12.83	0.02																																					72.14
466	C466							10.22		92.58																																						102.80
467	C467									42.24																																						42.24
470	C470													0.50	0.34																																	95.86
472	C472														55.94																																	65.97
474	C474							31.35		42.90	13.63																																					87.88
476	C476									28.11																																						28.11
479	C479		76.26					54.97																																								131.23
480	C480														2.79																																	69.94
482	C482																																																63.73
488	C488																																																31.84
489	C489																																																57.10
490	C490																																																37.51
491	C491									22.91	36.86																																					59.77
492	C492														16.12																																	20.65
493	C493																																																59.61
494	C494										18.73																																					18.73
496	C496														2.39	59.31													5.70																			70.73
501	C501														1.41	4.31																																46.24
503	C503									51.79	0.05																																					51.84
505	C505									14.63	66.24																																					80.88
507	C507																																																21.69
511	C511																																																38.48
512	C512						0.02				33.53																																					33.55
515	C515															0.28													24.85																			25.21
516	C516						26.67			10.50	21.03																																					58.20
521	C521																												23.35																			33.21
525	C525																												12.27																			18.92
529	C529																												9.89																			47.70
530	C530						42.76			11.57																																						54.33
531	C531									14.57																																						14.57
534	C534																												45.50																			46.80
536	C536																																																54.18
538	C538																																																15.43
539	C539																									2.01			20.26																			38.32
542	C542																									0.07			0.11																			74.16
544	C544						25.58			10.19																																						35.76
548	C548						32.72			5.57																																						38.28
549	C549									11.98																																						11.98
550	C550																																																37.15
553	C553																									13.16																						42.00
554	C554																					0.21																										165.49
561	C561						20.45			12.94																																						33.40
563	C563																									92.29			13.15																			105.43

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-42 Area [km^2] of Sub-Basin in Municipality [WRR-XI] (4/4)

ID	Sub-Basin	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	Davao Oriental	North Cotabato	North Cotabato	North Cotabato	North Cotabato	Sarangani	Sarangani	Sarangani	Sarangani	Sarangani	Sarangani	South Cotabato	South Cotabato	South Cotabato	South Cotabato	South Cotabato	South Cotabato	Sultan Kudarat	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Surigao del Sur	Total
		Davao Oriental-Baganga	Davao Oriental-Banaybanay	Davao Oriental-Boston	Davao Oriental-Caraga	Davao Oriental-Cateel	Davao Oriental-Governor Generoso	Davao Oriental-Lupon	Davao Oriental-Manay	Davao Oriental-Mati City	Davao Oriental-San Isidro	Davao Oriental-Tarragona	North Cotabato-Arakan	North Cotabato-Magpet	North Cotabato-Makilala	North Cotabato-Tulunan	Sarangani-Alabel	Sarangani-Glan	Sarangani-Kiamba	Sarangani-Maasim	Sarangani-Malapatan	Sarangani-Malungon	South Cotabato-General Santos City	South Cotabato-Lake Sebu	South Cotabato-Polomolok	South Cotabato-Tampakan	South Cotabato-T'Boli	South Cotabato-Tupi	Sultan Kudarat-Columbio	Surigao del Sur-Barobo	Surigao del Sur-Bayabas	Surigao del Sur-Bislig City	Surigao del Sur-Cagwait	Surigao del Sur-Cantilan	Surigao del Sur-Carmen	Surigao del Sur-Carrascal	Surigao del Sur-Cortes	Surigao del Sur-Hinatuan	Surigao del Sur-Lanuza	Surigao del Sur-Lianga	Surigao del Sur-Lingig	Surigao del Sur-Madrid	Surigao del Sur-Marihatag	Surigao del Sur-San Agustin	Surigao del Sur-San Miguel	Surigao del Sur-Tagbina	Surigao del Sur-Tago	Surigao del Sur-Tandag City	
566	C566																						25.11				6.60																							82.42
567	C567																						2.77																											99.88
570	C570																																																	60.14
571	C571							11.58			7.36																																							18.93
579	C579																																																	95.25
582	C582																						27.81																											130.15
584	C584																						45.91	5.47																										51.38
591	C591																						40.32																											46.35
606	C606																																																	137.61
622	C622																									2.23		8.23																						10.45
627	C627																							46.61		0.33																								46.94
630	C630																	52.61					3.84																											96.70
633	C633																									6.92		59.17																						66.09
640	C640																							21.49		0.18		44.21																						65.87
641	C641																							32.89				2.03																						34.92
642	C642																	15.93				2.07																												101.80
644	C644																	78.61																																78.61
649	C649																				2.06			44.63				6.75																						53.44
652	C652																			16.16	23.61				0.05			103.86																						143.69
653	C653																				67.42							57.71																						125.13
655	C655																																																	116.00
662	C662																			36.18					8.66			0.43																						45.27
664	C664																				9.53			22.31				25.29																						57.13
666	C666																			55.30					3.76			8.90																						67.95
669	C669																	6.06				50.79																												111.40
670	C670																					63.14																												63.14
672	C672																																																	140.27
676	C676																				17.19			22.97				4.56																						44.73
683	C683																			10.12																														10.12
685	C685																			32.43								1.43																						33.86
688	C688																				75.02			7.18				13.88																						96.08
689	C689																																																	87.01
691	C691																					37.24																												37.24
692	C692																		3.78																															107.77
695	C695																			19.38	4.83																													24.21
696	C696																			20.90																														20.90
699	C699																		8.35			64.47																												72.81
700	C700																				23.28																													23.28
701	C701																				36.65																													36.65
705	C705																				25.99																													25.99
706	C706																		10.25			6.45																												16.70
707	C707																				20.32																													20.32
712	C712																		40.50			1.15																												41.65
716	C716																																																	29.41
721	C721																		85.11																															85.11
723	C723																		12.09																															87.19
727	C727																		95.05																															95.05
728	C728																		27.84																															115.27
729	C729																		72.22																															72.24
734	C734																																																	82.10
736	C736																																0.02						9.19											59.23
745	C745																										7.46			25.59																				33.05
748	C748																																														23.02			81.92
751	C751																																																	66.52
766	C766													2.88																																				65.42
769	C769																																																	79.68
784	C784																																																	46.08
790	C790																																									12.27								101.37
801	C801																	26.83					62.00																											101.22
803	C803																																													30.63		4.99	60.75	96.37
807	C807																									18.53		60.77	50.61																					129.90
813	C813																						97.62				17.27		10.88																					125.76
814	C814																																7.19									34.75								41.95
815	C815																																																	52.17
824	C824																																																	52.50
827	C827																																																	85.32
837	C837																																																	65.27
840	C840																																																	149.68
858	C858																														24.98																62.09			87.08
859	C859																																			61.23				21.37			2.90						3.21	91.59
861	C861																																																	114.07
862	C862																																																	59.78
863	C863														0.01																																			155.26
869	C869																						1.97	0.03		54.54			0.60																					57.13
876	C876													1.39																																				78.60
877	C877																																																	45.57
879	C879			49.57					15.60																																									69.16
894	C894					143.11																																												151.78
898	C898																		140.20			1.67																												141.87
899	C899																																																	76.14
910	C910																																																	65.24
921	C921																																			2.28				23.25						1.87			71.02	98.42
929	C929																																																	100.24
930	C930																																																	20.29
931	C931							40.28			17.61																																							57.90
932	C932																																													40.57			6.84	56.31
935	C935																									52.27		24.49	1.36																					78.12
937	C937																						24.05	15.90		35.91			0.58																					76.43
941	C941															15.27																																		20.90
950	C950																																																	133.37
953	C953																																			10.25				4.88										51.65
956	C956																																																	42.78
959	C959																																																	80.63
960	C960																							13.33				64.36																						77.68
969	C969																																																	42.15
970	C970																													6.89																				13.62
974	C974																																																	41.82
977	C977		53.81			20.83																																												74.64
982	C982																																																	21.68
992	C992																																											11.92		90.15				107.05
994	C994																																																	43.75
1002	C1002																						0.00			84.23		0.52	0.47																					85.22
1004	C1004																																																	61.91
1005	C1005																																24.65																	64.20
1009	C1009																																																	53.52
1014	C1014																																		1.64	16.72							25.40							43.76
1015	C1015																						104.77																											119.32
1020	C1020																		134.62			7.78																												152.17
1022	C1022																		4.89			74.94																												88.48
1023	C1023																	97.57					0.38																											97.95
1027	C1027																																																	23.03
1028	C1028																	59.07				29.79																												88.86
1031	C1031																																																	45.45
1032	C1032																																																	17.71
1039	C1039																																																	159.65
1041	C1041																																						36.20								13.50			63.00
1042	C1042																																																	55.66
1049	C1049																																											6.45	42.34					48.79
1054	C1054																																																	121.97
1055	C1055																													14.96																				34.82
1060	C1060																																																	118.81
1061	C1061																																																	175.09
1066	C1066																													25.97																				34.82
1076	C1076																																56.31																	62.70
1089	C1089																																																	32.81
1090	C1090																																																	46.72
1091	C1091																							20.67		31.76		3.46																						55.89
1095	C1095																																																	98.04
1097	C1097			13.01																																														72.69
1098	C1098		156.37																																															156.37
1102	C1102								19.85		49.83																																							69.67
1110	C1110																																																	58.16
1122	C1122																																																	8.65
1125	C1125																																																	45.87
1128	C1128																																																	62.35
1135	C1135									84.06																																								84.06
1137	C1137																																																	32.65
1138	C1138																																			2.82				42.90								5.19	134.80	185.71
1142	C1142																	21.63				21.82																												43.45
1144	C1144																					112.62																												112.62
1150	C1150																																																	29.31
1153	C1153																																																	48.18
1162	C1162																																																	32.91
1164	C1164																																																	43.72
1166	C1166																													0.10																				24.38
1167	C1167																	36.71																																36.71
1168	C1168																																																	26.32
1175	C1175																																																	69.88
1188	C1188																																																	85.30
1193	C1193																																																	23.92
1196	C1196																																																	45.04
1198	C1198																																																	24.82
1200	C1200																																													64.76				64.76
1201	C1201																																																	47.71
1204	C1204																	44.46					22.40	119.46																										186.32
1207	C1207																	25.98						44.05																										70.03
1210	C1210																																																	22.89
1211	C1211																																																	29.63
1219	C1219																																																	63.57
1220	C1220																																																	77.34
1223	C1223																																																	37.22
1231	C1231																																																	41.64
1234	C1234																																																	86.71
1235	C1235																																																	78.57
1236	C1236																																	2.66												4.24		85.09	5.47	97.46
1237	C1237																															11.10		43.03														71.65	1.41	127.19
1241	C1241																																																	5.71
1242	C1242																																																	26.46
1246	C1246																																																	25.57
1248	C1248																																																	41.14
1250	C1250																																																	121.50
1253	C1253																																																	15.42
1256	C1256																																																	119.04
TOTAL		1,078.20	356.55	129.56	512.36	225.80	200.05	344.32	377.92	514.08	190.11	226.32	70.34	2.20	94.26	63.90	465.46	634.91	190.47	305.91	473.93	459.13	416.98	12.47	286.88	138.86	490.04	64.51	228.59	141.46	17.01	225.94	180.42	101.47	163.85	80.30	40.98	157.53	205.74	68.95	153.04	99.00	239.19	154.77	407.69	253.25	278.78	373.29	23,937.59

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(2) Irrigation WD by Municipality

Table DBH-43 Irrigation WD [MCM/Year] by Municipality by NIA Irrigation Inventory in 2020 (SW) [WRR-XI]

	Irrigation WD (MCM/year), SW, Wet Season	0.02	0.17	0.73	0.51	0.06	1.77	0.40	0.00	1.31	0.16	0.13	0.97	0.43
	Max. Irr.WD 2020 [MCM/day]	0.02	0.17	0.73	0.51	0.06	1.77	0.40		1.31	0.16	0.13	0.97	0.43
Province	Municipality	Province												
Name	Name	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Agusan del Norte	Agusan del Norte-Cabadbaran City	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte	Agusan del Norte-Jabonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte	Agusan del Norte-Santiago	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Bayugan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Bunawan	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Prosperidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Rosario	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Sibagat	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Trento	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Agusan del Sur-Veruela	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Bukidnon-Cabanglasan	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Bukidnon-Kitaotao	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Bukidnon-Quezon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Bukidnon-San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Laak	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Maco	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Maragusan	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Mawab	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Monkayo	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Montevista	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Nabunturan	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-New Bataan	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Davao de Oro-Pantukan	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Asuncion	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Braulio E. Dujali	0.00	0.00	0.00	0.00	0.00	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Carmen	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Kapalong	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-New Corella	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Panabo City	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Samal City	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-San Isidro	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Santo Tomas	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Tagum City	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Davao del Norte-Talaingod	0.00	0.00	0.00	0.00	0.00	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Bansalan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Davao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Digos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Don Marcelino	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Hagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Jose Abad Santos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Kiblawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Magsaysay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Malalag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Malita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Matanao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Padada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Santa Cruz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Santa Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
Davao del Sur	Davao del Sur-Sulop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Baganga	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Banaybanay	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Boston	0.00	0.00	0.00	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Caraga	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Cateel	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Governor Generoso	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Lupon	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Manay	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Mati City	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-San Isidro	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Davao Oriental-Tarragona	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	North Cotabato-Arakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00
North Cotabato	North Cotabato-Magpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00	0.00	0.00
North Cotabato	North Cotabato-Makilala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
North Cotabato	North Cotabato-Tulunan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Sarangani-Alabel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Sarangani	Sarangani-Glan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
Sarangani	Sarangani-Kiamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.12
Sarangani	Sarangani-Maasim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16
Sarangani	Sarangani-Malapatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
Sarangani	Sarangani-Malungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
South Cotabato	South Cotabato-General Santos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.00
South Cotabato	South Cotabato-Lake Sebu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.00
South Cotabato	South Cotabato-Polomolok	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.00
South Cotabato	South Cotabato-Tampakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
South Cotabato	South Cotabato-T'Boli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.00
South Cotabato	South Cotabato-Tupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.00
Sultan Kudarat	Sultan Kudarat-Columbio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00
Surigao del Sur	Surigao del Sur-Barobo	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Bayabas	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Bislig City	0.00	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Cagwait	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Cantilan	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Carmen	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Carrascal	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Cortes	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Hinatuan	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Lanuza	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Lianga	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Lingig	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Madrid	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Marihatag	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-San Agustin	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-San Miguel	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Tagbina	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Tago	0.00	0.00	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Surigao del Sur-Tandag City	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total [ha]	0.02	0.17	0.73	0.51	0.06	1.77	0.40	0.00	1.31	0.16	0.13	0.97	0.43

Irrigation WD (MCM/Year), SW, Dry Season

Municipality	Province												
Name	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Agusan del Norte-Cabadbaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte-Jabonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte-Santiago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Bayugan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Bunawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Prosperidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Rosario	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Sibagat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Trento	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Veruela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Cabanglasan	0.00	0.00	0.00	0.00	368.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Kitaotao	0.00	0.00	0.00	0.00	253.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Quezon	0.00	0.00	0.00	0.00	1,640.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-San Fernando	0.00	0.00	0.00	0.00	1,783.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Laak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Maco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Maragusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Mawab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Monkayo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Montevista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Nabunturan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-New Bataan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Pantukan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Asuncion	0.00	0.00	0.00	0.00	0.00	3,113.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Braulio E. Dujali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Carmen	0.00	0.00	0.00	0.00	0.00	4,044.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Kapalong	0.00	0.00	0.00	0.00	0.00	1,459.59	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-New Corella	0.00	0.00	0.00	0.00	0.00	1,414.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Panabo City	0.00	0.00	0.00	0.00	0.00	1,273.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Samal City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Santo Tomas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Tagum City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Talaingod	0.00	0.00	0.00	0.00	0.00	49.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Bansalan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,820.07	0.00	0.00	0.00	0.00
Davao del Sur-Davao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Digos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	910.10	0.00	0.00	0.00	0.00
Davao del Sur-Don Marcelino	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Hagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,764.73	0.00	0.00	0.00	0.00
Davao del Sur-Jose Abad Santos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Kiblawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	456.53	0.00	0.00	0.00	0.00
Davao del Sur-Magsaysay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3,359.44	0.00	0.00	0.00	0.00
Davao del Sur-Malalag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Malita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00
Davao del Sur-Matanao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4,038.35	0.00	0.00	0.00	0.00
Davao del Sur-Padada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	236.29	0.00	0.00	0.00	0.00
Davao del Sur-Santa Cruz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Santa Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Sulop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.25	0.00	0.00	0.00	0.00
Davao Oriental-Baganga	0.00	0.00	0.00	692.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Banaybanay	0.00	0.00	0.00	2,366.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Boston	0.00	0.00	0.00	141.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Caraga	0.00	0.00	0.00	297.58	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Cateel	0.00	0.00	0.00	1,390.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Governor Generoso	0.00	0.00	0.00	57.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Lupon	0.00	0.00	0.00	1,049.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Manay	0.00	0.00	0.00	46.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Mati City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-San Isidro	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Tarragona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato-Arakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	383.00	0.00	0.00	0.00
North Cotabato-Magpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	802.00	0.00	0.00	0.00
North Cotabato-Makilala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	660.85	0.00	0.00	0.00
North Cotabato-Tulunan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5,470.27	0.00	0.00	0.00
Sarangani-Alabel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.00
Sarangani-Glan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	116.00
Sarangani-Kiamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	107.00
Sarangani-Maasim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38.00
Sarangani-Malapatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Malungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.00
South Cotabato-General Santos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2,641.38	0.00
South Cotabato-Lake Sebu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	640.50	0.00
South Cotabato-Polomolok	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,189.08	0.00
South Cotabato-Tampakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,056.00	0.00
South Cotabato-T'Boli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Tupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	168.75	0.00
Sultan Kudarat-Columbio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,126.20	0.00	0.00
Surigao del Sur-Barobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Bayabas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Bislig City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cagwait	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cantilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Carrascal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cortes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Hinatuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lanuza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lianga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lingig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Madrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Marihatag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-San Agustin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tagbina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tandag City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total [ha]	0.00	0.00	0.00	6,052.09	4,045.58	11,354.17	0.00	0.00	13,734.76	7,316.12	1,126.20	5,695.71	441.00

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-44 Irrigation WD [MCM/Year] by Municipality by NIA Irrigation Inventory in 2020 (GW) [WRR-XI]

Irrigation WD (MCM.Year), GW, Wet Season

Municipality	Province												
Name	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Agusan del Norte-Cabadbaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte-Jabonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte-Santiago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Bayugan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Bunawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Prosperidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Rosario	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Sibagat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Trento	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Veruela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Cabanglasan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Kitaotao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Quezon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Laak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Maco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Maragusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Mawab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Monkayo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Montevista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Nabunturan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-New Bataan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Pantukan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Asuncion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Braulio E. Dujali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Kapalong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-New Corella	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Panabo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Samal City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Santo Tomas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Tagum City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Talaingod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Bansalan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Davao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Digos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Don Marcelino	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Hagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Jose Abad Santos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Kiblawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Magsaysay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Malalag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Malita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Matanao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Padada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Santa Cruz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Santa Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Sulop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Baganga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Banaybanay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Boston	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Caraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Cateel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Governor Generoso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Lupon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Manay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Mati City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Tarragona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato-Arakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00
North Cotabato-Magpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
North Cotabato-Makilala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato-Tulunan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00
Sarangani-Alabel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00
Sarangani-Glan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Kiamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Maasim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Malapatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Malungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00
South Cotabato-General Santos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
South Cotabato-Lake Sebu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Polomolok	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Tampakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-T'Boli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Tupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sultan Kudarat-Columbio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Barobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Bayabas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Bislig City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cagwait	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cantilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Carrascal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cortes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Hinatuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lanuza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lianga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lingig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Madrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Marihatag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-San Agustin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tagbina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tandag City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total [ha]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	0.00	10.00	67.00

Irrigation WD (MCM/Year), GW, Dry Season

Municipality	Province												
Name	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Agusan del Norte-Cabadbaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte-Jabonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte-Santiago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Bayugan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Bunawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Prosperidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Rosario	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Sibagat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Trento	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur-Veruela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Cabanglasan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Kitaotao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-Quezon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon-San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Laak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Maco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Maragusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Mawab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Monkayo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Montevista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Nabunturan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-New Bataan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro-Pantukan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Asuncion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Braulio E. Dujali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Kapalong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-New Corella	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Panabo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Samal City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Santo Tomas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Tagum City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte-Talaingod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Bansalan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Davao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Digos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Don Marcelino	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Hagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Jose Abad Santos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Kiblawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Magsaysay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Malalag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Malita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Matanao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Padada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Santa Cruz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Santa Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur-Sulop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Baganga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Banaybanay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Boston	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Caraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Cateel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Governor Generoso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Lupon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Manay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Mati City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental-Tarragona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato-Arakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00
North Cotabato-Magpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.00	0.00	0.00	0.00
North Cotabato-Makilala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato-Tulunan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00
Sarangani-Alabel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.00
Sarangani-Glan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Kiamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Maasim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Malapatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani-Malungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	31.00
South Cotabato-General Santos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00
South Cotabato-Lake Sebu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Polomolok	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Tampakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-T'Boli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato-Tupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sultan Kudarat-Columbio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Barobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Bayabas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Bislig City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cagwait	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cantilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Carrascal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Cortes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Hinatuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lanuza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lianga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Lingig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Madrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Marihatag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-San Agustin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tagbina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur-Tandag City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total [ha]	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.00	0.00	10.00	67.00

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(3) Irrigation Area Ratio of Sub-Basin in Province

Table DBH-45 Irrigation Area Ratio of Sub-Basin in Province [WRR-XI] (1/2)

Irrigation Area Ratio (%), SW, Wet Season

Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Surigao del Sur	C0	343.5	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C6	82.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C8	172.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C10	82.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C16	172.0	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C17	182.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C25	343.5	0.0%	10.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C35	639.3	0.0%	1.4%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C37	82.3	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C49	639.3	0.0%	12.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C52	409.3	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C60	48.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	43.6%	0.4%	0.0%
Surigao del Sur	C67	199.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.2%	0.0%	0.0%
Surigao del Sur	C69	327.6	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C79	199.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.3%	0.0%	0.0%
Surigao del Sur	C80	271.8	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C81	271.8	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C82	271.8	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C90	141.2	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C94	193.7	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C96	193.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Surigao del Sur	C97	193.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Surigao del Sur	C102	193.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C106	450.8	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Surigao del Sur	C108	450.8	0.0%	0.1%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C116	607.3	22.9%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C121	607.3	1.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%
Agusan del Sur	C128	607.3	7.1%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Surigao del Sur	C129	269.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%
Surigao del Sur	C137	514.0	0.0%	0.2%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%
Surigao del Sur	C138	514.0	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%
Surigao del Sur	C141	226.4	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C147	514.0	0.0%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C149	457.4	0.0%	4.8%	0.3%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C151	391.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C154	391.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C156	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C157	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C160	391.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C161	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C167	757.4	0.0%	0.0%	0.2%	0.0%	8.4%	0.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C168	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	1.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C169	1,150.0	0.0%	0.0%	0.3%	1.6%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C170	757.4	0.0%	0.0%	0.3%	0.0%	1.3%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C171	263.0	0.0%	0.0%	0.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C172	1,150.0	0.0%	0.0%	0.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C173	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C174	757.4	0.0%	0.0%	0.2%	0.0%	10.7%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C176	757.4	0.0%	0.0%	0.3%	0.0%	17.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C179	560.0	0.0%	0.3%	0.3%	0.0%	0.0%	1.2%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C184	657.5	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C186	261.6	0.0%	0.0%	0.2%	0.5%	7.3%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C190	640.8	0.0%	9.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C200	1,150.0	0.0%	0.0%	0.3%	0.3%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C205	872.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C209	757.4	0.0%	0.0%	0.3%	0.0%	17.4%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C216	757.4	0.0%	0.0%	0.3%	0.0%	16.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C218	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	1.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C220	757.4	0.0%	0.0%	0.3%	0.0%	0.1%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C226	598.9	0.0%	0.0%	0.3%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C234	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C235	171.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.6%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C239	244.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C247	598.9	0.0%	0.0%	0.3%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C248	261.9	0.0%	0.0%	0.3%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C251	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C255	267.8	0.0%	0.0%	0.2%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C259	560.0	0.0%	0.7%	0.3%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C261	261.6	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	3.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C265	872.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C266	578.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.4%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C268	189.2	0.0%	0.1%	0.2%	1.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C269	267.8	0.0%	0.0%	0.3%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C274	244.2	0.0%	0.0%	0.2%	0.0%	0.0%	2.3%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C275	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C276	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C278	136.4	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C283	119.1	0.0%	0.0%	0.2%	0.0%	0.0%	1.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C284	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C288	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C290	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C294	578.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	3.5%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C295	250.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C297	119.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.6%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C303	119.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C308	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C309	250.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C313	150.8	0.0%	0.0%	0.3%	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C314	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C317	119.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C318	340.4	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	3.6%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C321	301.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C323	567.9	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C325	250.1	0.0%	0.0%	0.3%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C326	250.1	0.0%	0.0%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C327	2,222.7	0.0%	0.0%	0.3%	0.2%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C331	270.9	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C333	270.9	0.0%	0.0%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C341	270.9	0.0%	0.0%	0.3%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C350	150.8	0.0%	0.0%	0.2%	0.0%	0.0%	1.5%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C357	2,222.7	0.0%	0.0%	0.3%	0.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C359	340.4	0.0%	0.0%	0.2%	1.5%	0.0%	0.0%	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C360	270.9	0.0%	0.0%	0.3%	0.0%	0.2%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C364	567.9	0.0%	0.0%	0.3%	2.4%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C368	270.9	0.0%	0.0%	0.2%	0.0%	0.1%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C378	340.4	0.0%	0.0%	0.2%	2.0%	0.0%	0.0%	1.7%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C384	580.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C385	580.2	0.0%	0.0%	0.2%	3.3%	0.0%	0.0%	0.5%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C386	580.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C389	580.2	0.0%	0.0%	0.2%	2.2%	0.0%	0.0%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C397	301.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C398	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C403	2,222.7	0.0%	0.0%	0.3%	0.2%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C407	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C408	580.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C416	355.5	0.0%	0.0%	0.2%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C418	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C426	281.4	0.0%	0.0%	0.3%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C429	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C430	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C432	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C433	277.2	0.0%	0.0%	0.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C436	580.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	1.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C445	355.5	0.0%	0.0%	0.2%	5.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C453	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C456	281.4	0.0%	0.0%	0.3%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C463	384.5	0.0%	0.0%	0.3%	8.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C466	355.5	0.0%	0.0%	0.3%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C467	795.5	0.0%	0.0%	0.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C470	2,222.7	0.0%	0.0%	0.2%	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C472	136.1	0.0%	0.0%	0.3%	2.9%	0.0%	0.3%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C474	355.5	0.0%	0.0%	0.2%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C476	795.5	0.0%	0.0%	0.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C479	384.5	0.0%	0.0%	0.2%	4.1%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C480	2,222.7	0.0%	0.0%	0.3%	0.1%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C482	226.5	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C488	136.1	0.0%	0.0%	0.3%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C489	136.1	0.0%	0.0%	0.2%	0.0%	0.0%	1.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C490	226.5	0.0%	0.0%	0.3%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C491	795.5	0.0%	0.0%	0.3%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C492	109.7	0.0%	0.0%	0.3%	2.7%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C493	267.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C494	224.4	0.0%	0.0%	0.3%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C496	109.7	0.0%	0.0%	0.3%	4.1%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.5%	0.0%
Davao del Sur	C501	109.7	0.0%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%	6.8%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C503	795.5	0.0%	0.0%	0.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C505	795.5	0.0%	0.0%	0.3%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C507	226.5	0.0%	0.0%	0.3%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C511	226.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.9%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C512	285.3	0.0%	0.0%	0.3%	4.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C515	109.7	0.0%	0.0%	0.3%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	0.0%
Davao Oriental	C516	285.3	0.0%	0.0%	0.2%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C521	80.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	4.4%	0.0%
Sultan Kudarat	C525	80.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	4.1%	0.0%
Davao del Sur	C529	80.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	1.3%	0.0%
Davao Oriental	C530	285.3	0.0%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C531	795.5	0.0%	0.0%	0.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C534	80.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%
Davao del Sur	C536	444.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C538	444.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C539	80.0	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	3.3%	0.3%
Davao del Sur	C542	80.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C544	285.3	0.0%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C548	285.3	0.0%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C549	795.5	0.0%	0.0%	0.3%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C550	857.5	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C553	444.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	1.8%
Davao del Sur	C554	444.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C561	285.3	0.0%	0.0%	0.2%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C563	348.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	5.1%
Davao del Sur	C566	444.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.8%

Irrigation Area Ratio (%), GW, Wet Season

Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Surigao del Sur	C0	343.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C6	82.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C8	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C10	82.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C16	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C17	182.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C25	343.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C35	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C37	82.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C49	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C52	409.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C60	48.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C67	199.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C69	327.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C79	199.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C80	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C81	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C82	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C90	141.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C94	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C96	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C97	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C102	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C106	450.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C108	450.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C116	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C121	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C128	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C129	269.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C137	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C138	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C141	226.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C147	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C149	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C151	391.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C154	391.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C156	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C157	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C160	391.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C161	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C167	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C168	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C169	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C170	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C171	263.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C172	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C173	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C174	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C176	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C179	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C184	657.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C186	261.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C190	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C200	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C205	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C209	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C216	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C218	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C220	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C226	598.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C234	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C235	171.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C239	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C247	598.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C248	261.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C251	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C255	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C259	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C261	261.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C265	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C266	578.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C268	189.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C269	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C274	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C275	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C276	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C278	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C283	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C284	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C288	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C290	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C294	578.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C295	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C297	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C303	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C308	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C309	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C313	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C314	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C317	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C318	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C321	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C323	567.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C325	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C326	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C327	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C331	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C333	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C341	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C350	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C357	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C359	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C360	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C364	567.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C368	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C378	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C384	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C385	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C386	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C389	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C397	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C398	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C403	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C407	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C408	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C416	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C418	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C426	281.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C429	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C430	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C432	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C433	277.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C436	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C445	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C453	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C456	281.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C463	384.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C466	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C467	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C470	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C472	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C474	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C476	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C479	384.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C480	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C482	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C488	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C489	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C490	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C491	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C492	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C493	267.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C494	224.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C496	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C501	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C503	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C505	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C507	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C511	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C512	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C515	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C516	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C521	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C525	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C529	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C530	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C531	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C534	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C536	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C538	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C539	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
Davao del Sur	C542	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C544	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C548	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C549	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C550	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C553	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Davao del Sur	C554	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C561	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C563	348.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.5%
Davao del Sur	C566	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-46 Irrigation Area Ratio of Sub-Basin in Province [WRR-XI] (2/2)

(%), SW, Wet Season

Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
C567	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%
C570	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%
C571	285.3	0.0%	0.0%	0.2%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C579	444.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
C582	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.3%
C584	459.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
C591	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	1.1%
C606	350.7	0.0%	0.0%	0.3%	0.0%	0.0%	1.4%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
C622	286.9	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.6%	0.8%
C627	474.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.8%
C630	857.5	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	3.3%	0.0%	0.0%	0.0%
C633	286.9	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.4%	0.4%
C640	474.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	2.9%
C641	474.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	8.3%
C642	350.7	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	0.0%	0.0%	0.6%	1.0%	0.0%	0.0%	0.0%
C644	479.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	0.0%
C649	410.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	7.4%
C652	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	5.2%	0.0%
C653	410.0	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%
C655	350.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.2%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%
C662	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.1%	2.3%
C664	410.0	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	3.4%
C666	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.9%	0.7%
C669	350.7	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	0.0%	0.0%	0.5%	0.3%	0.0%	0.0%	0.8%
C670	507.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
C672	350.7	0.0%	0.0%	0.3%	0.0%	0.0%	1.3%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%
C676	410.0	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	4.5%
C683	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
C685	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.3%	0.0%
C688	410.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	1.0%	0.7%
C689	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
C691	507.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
C692	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.3%	0.0%	0.0%	0.0%
C695	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%
C696	368.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
C699	722.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	1.6%
C700	410.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
C701	410.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
C705	410.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
C706	722.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	0.0%	0.7%
C707	410.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
C712	722.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.1%	0.0%	0.0%	0.0%
C716	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
C721	722.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.3%	0.0%	0.0%	0.0%
C723	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	1.0%	0.0%	0.0%	0.0%
C727	722.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.3%	0.0%	0.0%	0.0%
C728	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	1.8%	0.0%	0.0%	0.0%
C729	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.3%	0.0%	0.0%	0.0%
C734	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C736	607.3	19.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C745	348.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.9%	1.3%
C748	451.9	16.6%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C751	457.4	0.0%	7.3%	0.2%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C766	640.8	0.0%	0.6%	0.2%	0.1%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C769	444.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
C784	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	1.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C790	514.0	0.0%	0.7%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C801	857.5	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.6%	0.0%	0.0%	0.7%
C803	409.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C807	286.9	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	0.5%
C813	459.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	1.7%
C814	269.2	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
C815	136.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.9%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
C824	119.1	0.0%	0.0%	0.3%	0.0%	0.0%	2.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C827	457.4	0.0%	3.7%	0.3%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C837	301.3	0.0%	0.0%	0.3%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C840	350.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%
C858	193.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
C859	639.3	0.0%	0.4%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C861	640.8	0.0%	3.6%	0.3%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C862	444.6	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
C863	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C869	459.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	3.5%
C876	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C877	136.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%
C879	580.2	0.0%	0.0%	0.3%	2.2%	0.0%	0.0%	0.2%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
C894	340.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.2%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%
C898	722.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%	0.0%	0.0%	0.0%
C899	136.4	0.0%	0.0%	0.3%	0.0%	0.0%	1.2%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C910	444.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%
C921	172.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C929	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%
C930	136.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C931	285.3	0.0%	0.0%	0.3%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C932	327.6	0.0%	1.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C935	286.9	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	2.4%
C937	459.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	3.9%
C941	109.7	0.0%	0.0%	0.3%	2.5%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%
C950	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%
C953	639.3	0.0%	10.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C956	119.1	0.0%	0.0%	0.3%	0.0%	0.0%	2.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C959	607.3	17.6%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C960	474.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	1.5%
C969	757.4	0.0%	0.0%	0.3%	0.0%	4.3%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C970	109.7	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	3.2%	0.0%
C974	136.1	0.0%	0.0%	0.3%	0.0%	0.0%	1.6%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%
C977	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%
C982	226.5	0.0%	0.0%	0.2%	0.0%	0.0%	0.7%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%
C992	603.3	0.1%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C994	119.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1002	459.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	3.6%
C1004	270.9	0.0%	0.0%	0.3%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1005	607.3	9.5%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
C1009	301.3	0.0%	0.0%	0.3%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1014	182.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1015	857.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	1.1%
C1020	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	6.5%	0.0%	0.0%	0.1%
C1022	685.4	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.4%	0.0%	0.0%	1.5%
C1023	479.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	0.0%
C1027	757.4	0.0%	0.0%	0.3%	0.0%	11.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1028	479.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	0.0%	0.0%	0.6%
C1031	267.8	0.0%	0.0%	0.3%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1032	136.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.6%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%
C1039	640.8	0.0%	21.3%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1041	451.9	4.9%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1042	136.4	0.0%	0.0%	0.2%	0.0%	0.0%	2.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1049	271.8	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1054	2,222.7	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
C1055	109.7	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	2.7%	0.0%
C1060	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1061	560.0	0.0%	9.0%	0.2%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1066	80.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	4.7%	0.0%
C1076	607.3	0.6%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%
C1089	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1090	757.4	0.0%	0.0%	0.2%	0.0%	0.6%	0.2%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1091	474.4	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	5.3%
C1095	560.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1097	580.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	2.8%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
C1098	1,150.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%
C1102	355.5	0.0%	0.0%	0.3%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1110	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1122	109.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%
C1125	150.8	0.0%	0.0%	0.3%	0.0%	0.0%	0.9%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1128	119.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.4%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1135	429.7	0.0%	0.0%	0.3%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1137	226.5	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%
C1138	172.0	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1142	479.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	0.0%	0.0%	0.9%
C1144	507.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
C1150	136.1	0.0%	0.0%	0.2%	0.0%	0.0%	0.4%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%
C1153	244.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.6%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1162	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1164	250.1	0.0%	0.0%	0.2%	0.0%	0.0%	1.5%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1166	85.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%
C1167	479.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	0.0%
C1168	757.4	0.0%	0.0%	0.2%	0.0%	2.2%	0.7%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1175	872.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1188	872.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.5%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1193	119.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1196	85.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%
C1198	244.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.2%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1200	409.3	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1201	85.6	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%
C1204	479.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	5.8%
C1207	479.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	5.5%
C1210	150.8	0.0%	0.0%	0.3%	0.0%	0.0%	0.6%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1211	244.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.2%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1219	244.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1220	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1223	250.1	0.0%	0.0%	0.3%	0.0%	0.1%	0.1%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1231	244.2	0.0%	0.0%	0.2%	0.0%	0.0%	0.4%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1234	301.3	0.0%	0.0%	0.3%	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1235	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1236	199.6	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%
C1237	48.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.6%	0.4%	0.0%
C1241	244.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1242	244.2	0.0%	0.0%	0.3%	0.0%	0.0%	0.1%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1246	244.2	0.0%	0.0%	0.3%	0.0%	0.0%	3.6%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1248	119.1	0.0%	0.0%	0.2%	0.0%	0.0%	2.4%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1250	2,222.7	0.0%	0.0%	0.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1253	150.8	0.0%	0.0%	0.3%	0.0%	0.0%	1.5%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
C1256	301.3	0.0%	0.0%	0.3%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Irrigation Area Ratio (%), GW, Wet Season

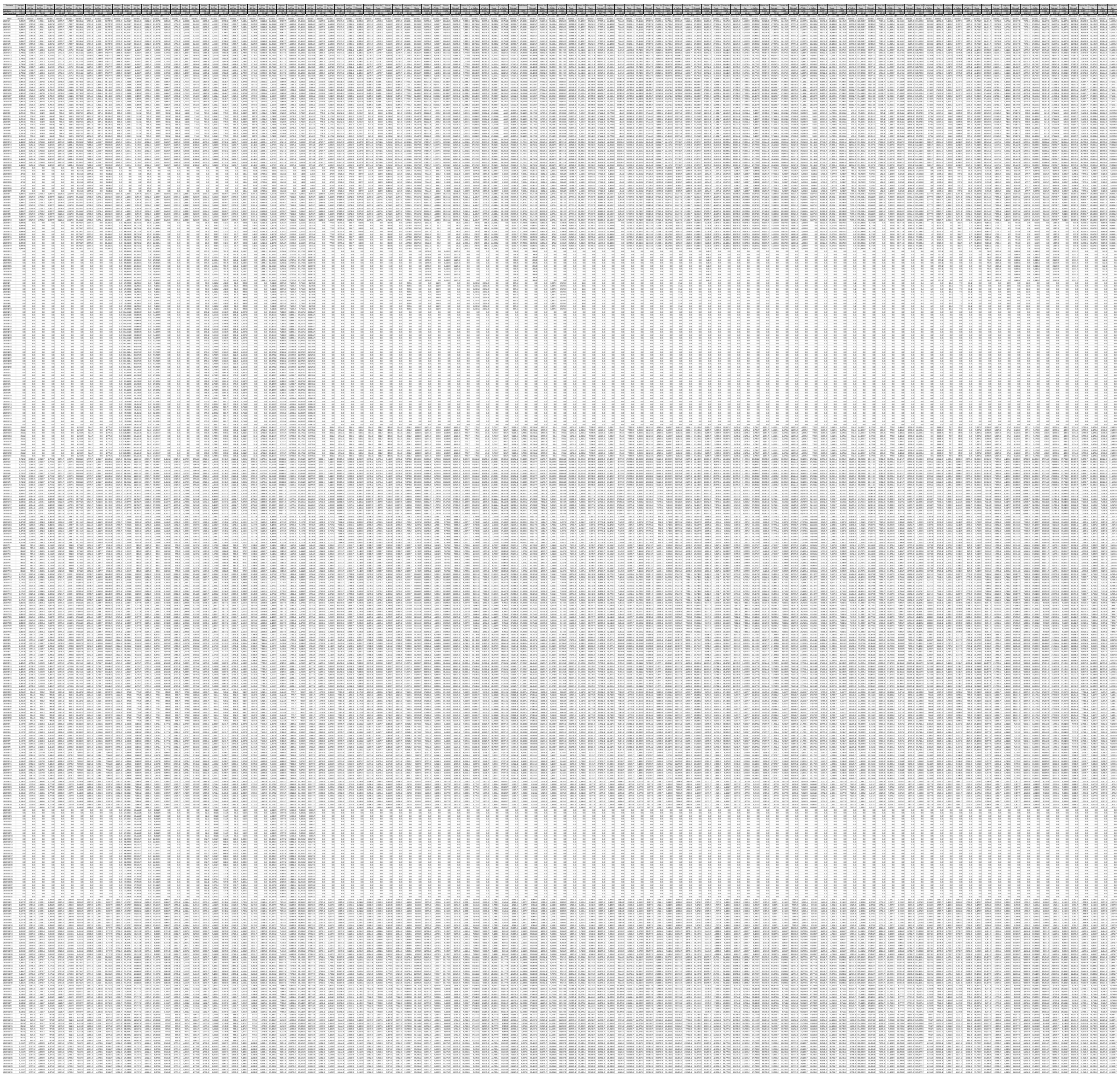
Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Davao del Sur	C567	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C570	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C571	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C579	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C582	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C584	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C591	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C606	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C622	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%
South Cotabato	C627	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C630	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%
South Cotabato	C633	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.3%	0.0%
South Cotabato	C640	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.7%	0.0%
South Cotabato	C641	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
Davao del Sur	C642	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.3%
Sarangani	C644	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%
South Cotabato	C649	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	2.0%	0.0%
South Cotabato	C652	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	11.5%	0.0%
Sarangani	C653	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	0.0%	7.4%	0.0%
Davao del Sur	C655	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C662	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
South Cotabato	C664	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	7.1%	0.0%
Sarangani	C666	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%
Sarangani	C669	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	5.7%
Sarangani	C670	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%
Davao del Sur	C672	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C676	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	1.6%	0.0%
Sarangani	C683	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C685	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Sarangani	C688	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.1%	0.0%	2.3%	0.0%
Davao del Sur	C689	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C691	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%
Davao del Sur	C692	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C695	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
Sarangani	C696	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C699	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	11.1%
Sarangani	C700	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	0.0%	0.0%	0.0%
Sarangani	C701	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	0.0%	0.0%	0.0%
Sarangani	C705	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	0.0%	0.0%	0.0%
Sarangani	C706	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	4.8%
Sarangani	C707	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.6%	0.0%	0.0%	0.0%
Sarangani	C712	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.3%
Davao del Sur	C716	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C721	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Davao del Sur	C723	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%
Sarangani	C727	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Davao del Sur	C728	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Sarangani	C729	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Davao del Sur	C734	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C736	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C745	348.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%
Agusan del Sur	C748	451.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C751	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C766	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C769	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C784	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C790	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C801	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%
Surigao del Sur	C803	409.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C807	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.5%	0.0%
Sarangani	C813	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%
Surigao del Sur	C814	269.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C815	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C824	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C827	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C837	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C840	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C858	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C859	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C861	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C862	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C863	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C869	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C876	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C877	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C879	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C894	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C898	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.1%
Davao del Norte	C899	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C910	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C921	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C929	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C930	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C931	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C932	327.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C935	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.0%	0.0%
South Cotabato	C937	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C941	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C950	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C953	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C956	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C959	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C960	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.2%	0.0%
Davao del Norte	C969	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C970	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C974	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C977	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C982	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C992	603.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C994	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1002	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Davao de Oro	C1004	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Agusan del Sur	C1005	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1009	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1014	182.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1015	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1020	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.6%
Sarangani	C1022	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	10.6%
Sarangani	C1023	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%
Davao de Oro	C1027	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1028	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	4.2%
Davao del Norte	C1031	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1032	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C1039	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1041	451.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1042	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1049	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1054	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1055	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1060	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1061	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C1066	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1076	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1089	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1090	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1091	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%
Davao del Norte	C1095	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1097	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1098	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1102	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1110	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1122	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1125	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1128	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1135	429.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1137	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1138	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1142	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	6.3%
Sarangani	C1144	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.5%
Davao del Sur	C1150	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1153	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1162	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1164	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1166	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1167	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%
Davao del Norte	C1168	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1175	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1188	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1193	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1196	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1198	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1200	409.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1201	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1204	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%
South Cotabato	C1207	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%
Davao del Norte	C1210	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1211	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1219	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1220	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1223	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1231	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1234	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1235	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1236	199.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1237	48.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1241	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1242	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1246	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1248	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1250	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1253	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1256	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	100.0%

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(4) Estimated Irrigation Water Demand by Sub-Basin

Table DBH-47 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-XI] (1/3)



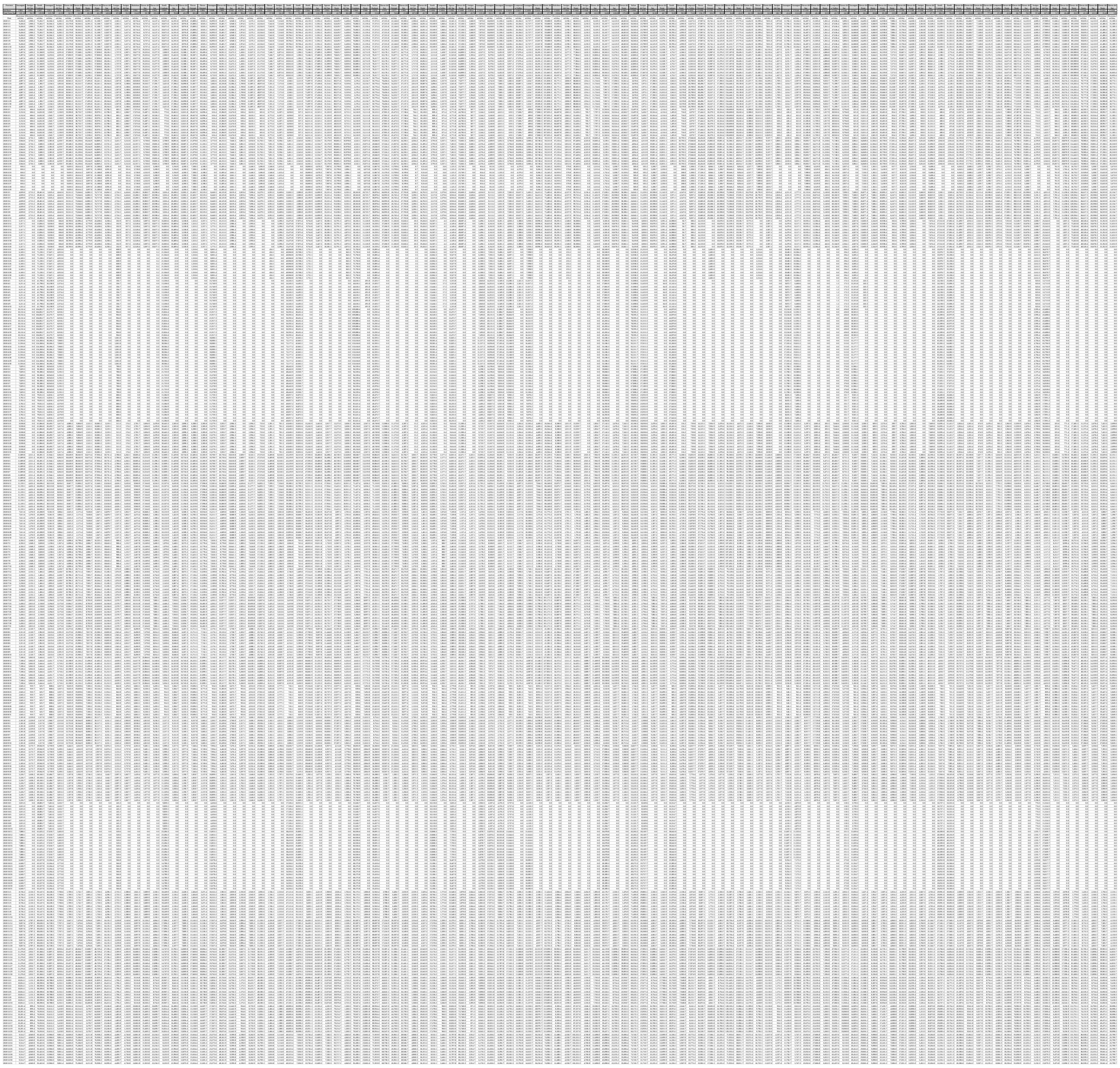
Source: JICA Survey Team

Table DBH-48 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-XI] (2/3)

[illegible]

Source: JICA Survey Team

Table DBH-49 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-XI] (3/3)



Source: JICA Survey Team

Table DBH-50 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-XI] (1/3)

Source: JICA Survey Team

Table DBH-51 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-XI] (2/3)

Source: JICA Survey Team

Table DBH-52 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-XI] (3/3)

[illegible]

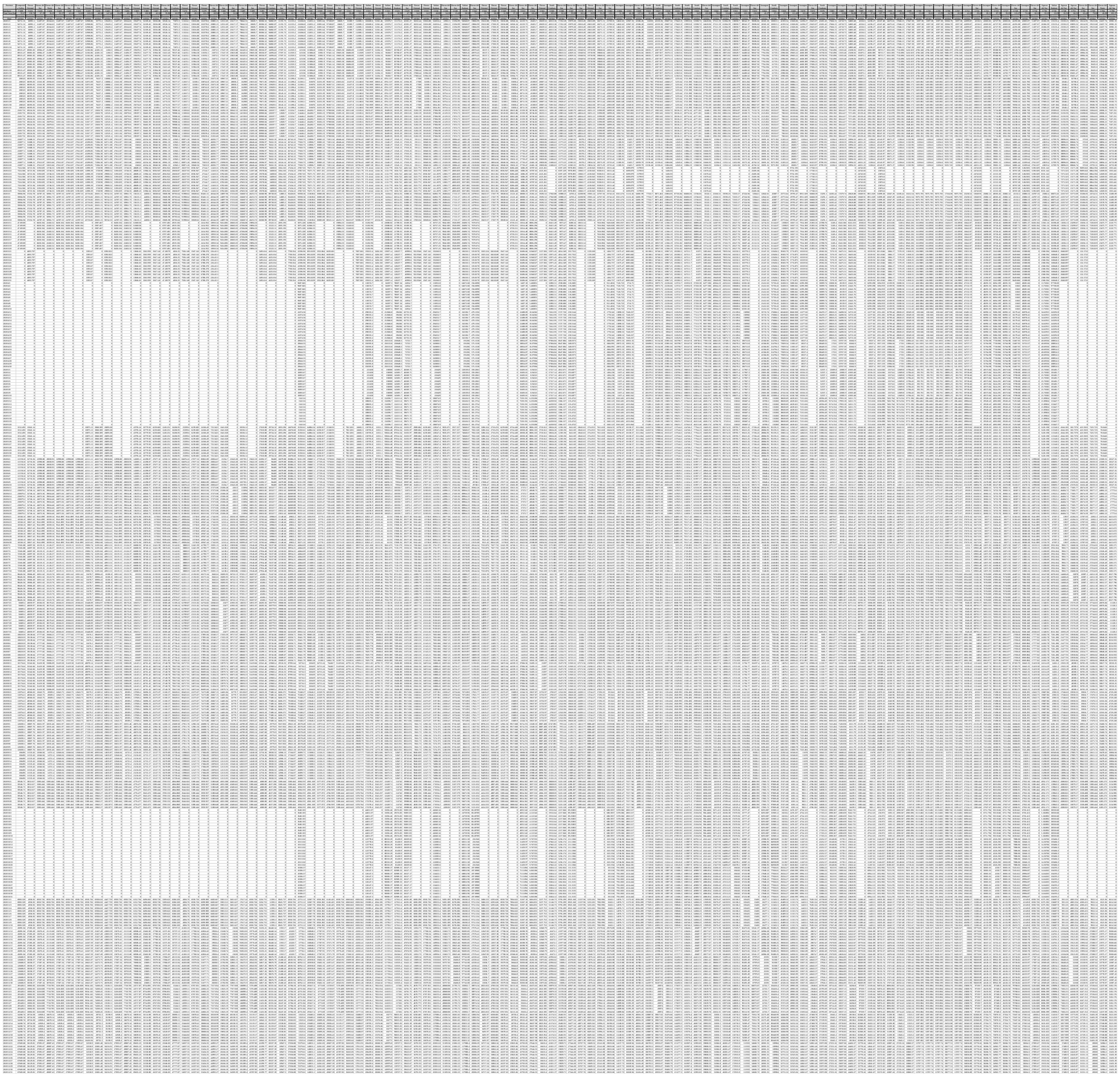
Source: JICA Survey Team

Table DBH-53 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-XI] (1/3)

[illegible]

Source: JICA Survey Team

Table DBH-54 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-XI] (2/3)



Source: JICA Survey Team

Table DBH-55 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-XI] (3/3)

[illegible]

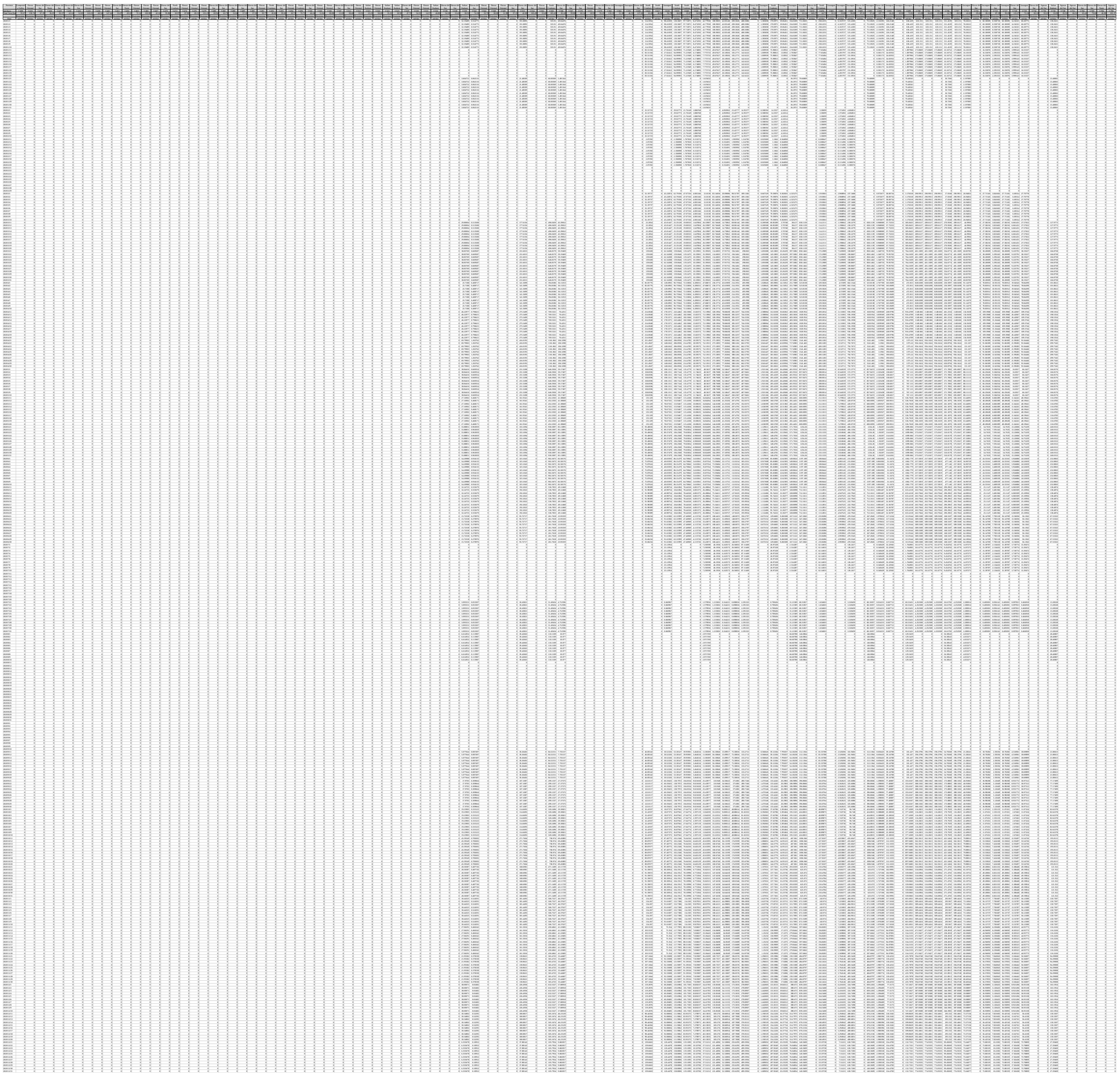
Source: JICA Survey Team

Table DBH-56 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-XI] (1/3)

[illegible]

Source: JICA Survey Team

Table DBH-57 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-XI] (2/3)



Source: JICA Survey Team

Table DBH-58 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-XI] (3/3)

[illegible]

Source: JICA Survey Team

1.2.2 Livestock Water Demand

(1) Provincial-wise Livestock & Poultry Water Demands

Table DBH-59 Provincial-wise Livestock & Poultry Water Demands in WRR V, VII & XI

Region/ Province	Area Rate	Water Demand in Year (MCM)			
		2020	2030	2040	2050
WRR-V		**10.722**	**12.148**	**13.327**	**14.099**
Quezon	0.053	0.166	0.188	0.206	0.218
Albay	1.000	2.190	2.481	2.722	2.879
Camarines Norte	1.000	1.649	1.868	2.050	2.169
Camarines Sur	1.000	3.237	3.667	4.023	4.256
Catanduanes	1.000	0.589	0.667	0.732	0.774
Masbate	1.000	1.808	2.049	2.248	2.378
Sorsogon	1.000	1.084	1.228	1.347	1.425
WRR-VII		**12.660**	**14.344**	**15.737**	**16.648**
Negros Occidental	0.076	0.393	0.445	0.489	0.517
Bohol	1.000	3.891	4.408	4.836	5.116
Cebu	1.000	5.346	6.057	6.645	7.030
Negros Oriental	0.769	2.463	2.791	3.062	3.239
Siquijor	1.000	0.568	0.643	0.705	0.746
WRR-XI		**12.391**	**14.039**	**15.402**	**16.294**
Bukidnon	0.046	0.288	0.327	0.358	0.379
Davao de Oro (Compostela Valley)	0.477	0.616	0.698	0.766	0.810
Davao del Norte	0.989	4.022	4.557	4.999	5.289
Davao del Sur	0.998	3.105	3.518	3.859	4.083
Davao Oriental	0.949	1.301	1.474	1.617	1.710
Sarangani	0.869	0.703	0.796	0.873	0.924
South Cotabato	0.340	1.491	1.689	1.853	1.960
North Cotabato	0.038	0.115	0.130	0.143	0.151
Sultan Kudarat	0.052	0.072	0.082	0.090	0.095
Agusan del Norte	0.027	0.018	0.021	0.023	0.024
Agusan del Sur	0.109	0.083	0.094	0.103	0.109
Surigao del Sur	0.896	0.577	0.654	0.718	0.759

Source: JICA Survey team

Remarks: Water demands in 2030, 2040 and 2050 are estimated based on population increase ratio
(2030)=(2020) x (1.133)
(2040)=(2020) x (1.243)
(2050)=(2020) x (1.315)

(2) Irrigation Area Ratio of Sub-Basin in Province

Table DBH-60 Irrigation Area Ratio of Sub-Basin in Province [WRR-XI] (1/2)

Irrigation Area (ha), SW, Wet Season

Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Surigao del Sur	C0	343.5	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C6	82.3	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C8	172.0	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C10	82.3	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C16	172.0	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C17	182.5	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C25	343.5	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C35	639.3	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C37	82.3	0.0%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C49	639.3	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C52	409.3	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C60	48.2	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C67	199.6	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C69	327.6	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C79	199.6	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C80	271.8	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C81	271.8	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C82	271.8	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C90	141.2	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C94	193.7	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C96	193.7	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C97	193.7	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C102	193.7	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C106	450.8	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C108	450.8	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C116	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C121	607.3	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C128	607.3	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C129	269.2	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C137	514.0	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C138	514.0	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C141	226.4	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C147	514.0	0.0%	0.0%	0.5%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C149	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C151	391.7	0.0%	0.0%	0.8%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C154	391.7	0.0%	0.0%	0.3%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C156	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C157	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C160	391.7	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C161	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C167	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C168	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C169	1,150.0	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C170	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C171	263.0	0.0%	0.0%	0.0%	5.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C172	1,150.0	0.0%	0.0%	0.0%	5.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C173	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C174	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C176	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C179	560.0	0.0%	0.0%	0.0%	0.0%	0.5%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C184	657.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C186	261.6	0.0%	0.0%	0.0%	3.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C190	640.8	0.0%	0.0%	0.0%	0.0%	26.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C200	1,150.0	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C205	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C209	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C216	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C218	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C220	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C226	598.9	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C234	1,150.0	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C235	171.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C239	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C247	598.9	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C248	261.9	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C251	1,150.0	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C255	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C259	560.0	0.0%	0.0%	0.0%	0.0%	1.1%	1.8%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C261	261.6	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C265	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C266	578.4	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C268	189.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	10.5%	0.0%	0.0%	0.0%
Davao del Norte	C269	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C274	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C275	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C276	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C278	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C283	119.1	0.0%	0.0%	0.4%	0.0%	0.0%	0.5%	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C284	1,150.0	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C288	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C290	1,150.0	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C294	578.4	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C295	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C297	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C303	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C308	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C309	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C313	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C314	1,150.0	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C317	119.1	0.0%	0.0%	0.8%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C318	340.4	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C321	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C323	567.9	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C325	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C326	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C327	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	2.5%	0.0%	0.0%	0.0%
Davao de Oro	C331	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C333	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C341	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C350	150.8	0.0%	0.0%	1.1%	0.0%	0.0%	0.6%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C357	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	1.5%	0.0%	0.0%	0.0%
Davao Oriental	C359	340.4	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C360	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C364	567.9	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C368	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C378	340.4	0.0%	0.0%	0.0%	3.9%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C384	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C385	580.2	0.0%	0.0%	0.0%	6.5%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C386	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C389	580.2	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C397	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C398	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C403	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.5%	0.0%	0.0%	0.0%
North Cotabato	C407	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C408	580.2	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	6.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C416	355.5	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C418	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C426	281.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C429	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C430	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C432	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C433	277.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C436	580.2	0.0%	0.0%	0.0%	7.0%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C445	355.5	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C453	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C456	281.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C463	384.5	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C466	355.5	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C467	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C470	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.1%	0.1%	0.0%	0.0%	0.0%
North Cotabato	C472	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	22.9%	0.0%	0.0%	0.0%
Davao Oriental	C474	355.5	0.0%	0.0%	0.0%	1.6%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C476	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C479	384.5	0.0%	0.0%	0.0%	7.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C480	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.8%	1.1%	0.0%	0.0%	0.0%
Davao del Sur	C482	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C488	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C489	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C490	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C491	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C492	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	21.0%	0.0%	0.0%	0.0%
Surigao del Sur	C493	267.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C494	224.4	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C496	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	16.2%	1.2%	0.0%	0.0%
Davao del Sur	C501	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.2%	2.5%	0.0%	0.0%	0.0%
Davao del Norte	C503	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C505	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C507	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C511	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C512	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C515	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	14.7%	0.0%	0.0%
Davao Oriental	C516	285.3	0.0%	0.0%	0.0%	0.1%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C521	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	10.5%	0.0%	0.0%
Sultan Kudarat	C525	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	9.7%	0.0%	0.0%
Davao del Sur	C529	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	3.1%	0.0%	0.0%
Davao Oriental	C530	285.3	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C531	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C534	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	14.5%	0.0%	0.0%
Davao del Sur	C536	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C538	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C539	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	7.9%	0.1%	0.0%
Davao del Sur	C542	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C544	285.3	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C548	285.3	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C549	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C550	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C553	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.6%	0.0%
Davao del Sur	C554	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C561	285.3	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C563	348.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	1.7%	0.0%
Davao del Sur	C566	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.2%	0.9%
Davao del Sur	C567	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.1%
Davao del Sur	C570	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C571	285.3	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C579	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C582	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.6%

Irrigation Area (ha), GW, Wet Season

Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Surigao del Sur	C0	343.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C6	82.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C8	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
Surigao del Sur	C10	82.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C16	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.3%	0.0%	0.0%	0.0%
Surigao del Sur	C17	182.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%
Surigao del Sur	C25	343.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Surigao del Sur	C35	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Surigao del Sur	C37	82.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C49	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C52	409.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C60	48.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C67	199.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C69	327.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C79	199.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C80	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C81	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C82	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C90	141.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C94	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C96	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C97	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C102	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C106	450.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C108	450.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C116	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C121	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C128	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C129	269.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C137	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C138	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C141	226.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C147	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C149	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C151	391.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C154	391.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C156	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C157	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C160	391.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C161	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C167	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C168	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C169	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C170	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C171	263.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C172	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C173	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C174	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C176	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C179	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C184	657.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C186	261.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C190	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C200	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C205	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C209	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C216	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C218	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C220	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C226	598.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C234	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C235	171.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C239	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C247	598.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C248	261.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C251	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C255	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C259	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C261	261.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C265	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C266	578.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C268	189.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%
Davao del Norte	C269	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C274	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C275	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C276	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C278	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C283	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%
Davao Oriental	C284	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C288	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C290	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C294	578.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C295	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C297	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C303	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C308	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C309	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C313	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C314	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C317	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%
Davao de Oro	C318	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C321	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C323	567.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C325	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C326	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C327	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%
Davao de Oro	C331	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C333	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C341	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C350	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	0.0%	0.0%	0.0%
North Cotabato	C357	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%
Davao Oriental	C359	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C360	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C364	567.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C368	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C378	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C384	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C385	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C386	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C389	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C397	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C398	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C403	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
North Cotabato	C407	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C408	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C416	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C418	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C426	281.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C429	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C430	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C432	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C433	277.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C436	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C445	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C453	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C456	281.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C463	384.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C466	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C467	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C470	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C472	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C474	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C476	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C479	384.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C480	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C482	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C488	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C489	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C490	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C491	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C492	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C493	267.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C494	224.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
North Cotabato	C496	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.7%	0.0%	0.0%	0.0%
Davao del Sur	C501	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%
Davao del Norte	C503	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C505	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C507	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C511	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C512	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C515	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Davao Oriental	C516	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C521	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C525	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C529	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C530	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C531	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C534	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C536	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C538	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C539	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C542	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C544	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C548	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C549	795.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C550	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C553	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C554	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C561	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C563	348.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C566	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%
Davao del Sur	C567	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%
Davao del Sur	C570	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C571	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C579	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C582	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-61 Irrigation Area Ratio of Sub-Basin in Province [WRR-XI] (2/2)

Irrigation Area (ha), SW, Wet Season

Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Sarangani	C584	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	2.6%
Sarangani	C591	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%
Davao del Sur	C606	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C622	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	0.0%
South Cotabato	C627	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%
Sarangani	C630	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	1.7%
South Cotabato	C633	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%	0.0%
South Cotabato	C640	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.5%	0.0%
South Cotabato	C641	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%
Davao del Sur	C642	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.5%
Sarangani	C644	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
South Cotabato	C649	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.8%	0.1%
Sarangani	C652	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.0%	0.5%
Sarangani	C653	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	1.1%
Surigao del Sur	C655	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C662	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	1.0%
South Cotabato	C664	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	0.3%
South Cotabato	C666	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	1.0%
Sarangani	C669	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Surigao del Sur	C670	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Surigao del Sur	C672	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C676	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	0.8%
Sarangani	C683	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%
Sarangani	C685	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	1.2%
Sarangani	C688	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	1.5%
Surigao del Sur	C689	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C691	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Sarangani	C692	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Sarangani	C695	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%
Sarangani	C696	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%
Sarangani	C699	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%
Sarangani	C700	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Sarangani	C701	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Sarangani	C705	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Sarangani	C706	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%
Sarangani	C707	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Sarangani	C712	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%
Surigao del Sur	C716	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C721	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%
Sarangani	C723	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%
Sarangani	C727	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%
Sarangani	C728	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%
Sarangani	C729	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%
Davao del Sur	C734	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C736	607.3	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C745	348.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.5%	0.4%	0.0%
Surigao del Sur	C748	451.9	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C751	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C766	640.8	0.0%	0.0%	0.0%	0.0%	3.9%	0.9%	0.0%	1.4%	0.0%	0.9%	0.0%	0.0%	0.0%
Davao del Sur	C769	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C784	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C790	514.0	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C801	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%
Surigao del Sur	C803	409.3	0.0%	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C807	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%
Sarangani	C813	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	2.3%
Surigao del Sur	C814	269.2	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C815	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C824	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C827	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C837	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C840	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C858	193.7	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C859	639.3	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C861	640.8	0.0%	0.0%	0.0%	0.0%	18.7%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C862	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C863	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C869	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	0.1%
Davao del Sur	C876	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.4%	0.0%	0.0%	0.0%
Davao del Sur	C877	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C879	580.2	0.0%	0.0%	0.0%	8.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C894	340.4	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C898	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.1%
Davao del Norte	C899	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C910	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C921	172.0	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C929	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C930	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C931	285.3	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C932	327.6	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C935	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.9%	0.0%
South Cotabato	C937	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	0.9%
North Cotabato	C941	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.9%	19.7%	0.0%	0.0%	0.0%
Davao del Sur	C950	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C953	639.3	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C956	119.1	0.0%	0.0%	0.2%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C959	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C960	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.7%	0.0%
Davao del Norte	C969	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C970	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	0.0%	7.5%	0.0%	0.0%
Davao del Sur	C974	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C977	1,150.0	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C982	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C992	603.3	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C994	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1002	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%
Surigao del Sur	C1004	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1005	607.3	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1009	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1014	182.5	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1015	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%
Sarangani	C1020	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%
Sarangani	C1022	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%
Sarangani	C1023	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Davao de Oro	C1027	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1028	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Davao del Norte	C1031	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1032	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C1039	640.8	0.0%	0.0%	0.0%	0.0%	34.7%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1041	451.9	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1042	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1049	271.8	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1054	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1055	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.8%	0.0%	6.4%	0.0%	0.0%
Davao del Sur	C1060	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C1061	560.0	0.0%	0.0%	0.0%	0.0%	14.4%	1.1%	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C1066	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%	11.1%	0.0%	0.0%
Surigao del Sur	C1076	607.3	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1089	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1090	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1091	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.9%	0.0%
Davao del Norte	C1095	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1097	580.2	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1098	1,150.0	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1102	355.5	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1110	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1122	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1125	150.8	0.0%	0.0%	1.8%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1128	119.1	0.0%	0.0%	0.3%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1135	429.7	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1137	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1138	172.0	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1142	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Surigao del Sur	C1144	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Davao del Sur	C1150	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1153	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1162	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1164	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1166	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	0.0%	0.1%	0.0%	0.0%
Sarangani	C1167	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%
Davao del Norte	C1168	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1175	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1188	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1193	119.1	0.0%	0.0%	2.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1196	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1198	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1200	409.3	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1201	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1204	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.8%	1.1%
South Cotabato	C1207	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.7%	1.1%
Surigao del Sur	C1210	150.8	0.0%	0.0%	2.4%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1211	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1219	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1220	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1223	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1231	244.2	0.0%	0.0%	0.5%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1234	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1235	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1236	199.6	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1237	48.2	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1241	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1242	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1246	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1248	119.1	0.0%	0.0%	1.0%	0.0%	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1250	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1253	150.8	0.0%	0.0%	1.9%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1256	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total		0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Irrigation Area (ha), GW, Wet Season

Province	Sub-Basin	Total Area [km2]	Agusan del Norte	Agusan del Sur	Surigao del Sur	Davao Oriental	Bukidnon	Davao del Norte	Davao de Oro	Davao City	Davao del Sur	North Cotabato	Sultan Kudarat	South Cotabato	Sarangani
Sarangani	C584	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	7.6%
Sarangani	C591	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.4%
Davao del Sur	C606	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C622	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C627	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.0%	0.0%
Sarangani	C630	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.7%
South Cotabato	C633	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C640	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%	0.0%
South Cotabato	C641	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	15.2%	0.0%
Davao del Sur	C642	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.5%
Sarangani	C644	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.8%
South Cotabato	C649	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	13.5%	0.0%
Sarangani	C652	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C653	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C655	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C662	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C664	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.3%	0.0%
South Cotabato	C666	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C669	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%
Surigao del Sur	C670	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C672	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C676	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%
Sarangani	C683	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C685	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C688	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.2%	0.0%
Surigao del Sur	C689	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C691	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C692	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C695	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C696	368.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C699	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C700	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C701	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C705	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C706	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C707	410.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C712	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C716	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C721	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C723	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C727	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C728	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C729	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C734	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C736	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C745	348.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C748	451.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C751	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C766	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Davao del Sur	C769	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C784	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C790	514.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C801	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.8%
Surigao del Sur	C803	409.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C807	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C813	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%
Surigao del Sur	C814	269.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C815	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C824	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Davao del Norte	C827	457.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C837	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C840	350.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C858	193.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C859	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.3%	0.0%	0.0%	0.0%
Bukidnon	C861	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C862	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C863	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C869	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Davao del Sur	C876	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Davao del Sur	C877	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C879	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C894	340.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C898	722.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C899	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C910	444.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C921	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Davao del Sur	C929	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C930	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C931	285.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C932	327.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C935	286.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C937	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	2.7%
North Cotabato	C941	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C950	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C953	639.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%
Davao del Norte	C956	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%
Surigao del Sur	C959	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C960	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%
Davao del Norte	C969	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C970	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C974	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C977	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C982	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C992	603.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C994	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1002	459.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1004	270.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1005	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1009	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1014	182.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%
Sarangani	C1015	857.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.4%
Sarangani	C1020	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1022	685.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1023	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.8%
Davao de Oro	C1027	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1028	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.5%
Davao del Norte	C1031	267.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1032	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C1039	640.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1041	451.9	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1042	136.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1049	271.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1054	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1055	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1060	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Bukidnon	C1061	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sultan Kudarat	C1066	80.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1076	607.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1089	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1090	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1091	474.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	0.0%
Davao del Norte	C1095	560.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1097	580.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1098	1,150.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao Oriental	C1102	355.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1110	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1122	109.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1125	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.2%	0.0%	0.0%	0.0%
Surigao del Sur	C1128	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Davao Oriental	C1135	429.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1137	226.5	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1138	172.0	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	0.0%
Sarangani	C1142	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.9%
Surigao del Sur	C1144	507.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1150	136.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1153	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1162	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1164	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1166	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Sarangani	C1167	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.8%
Davao del Norte	C1168	757.4	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1175	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1188	872.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1193	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	9.2%	0.0%	0.0%	0.0%
Davao del Sur	C1196	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1198	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1200	409.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1201	85.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
South Cotabato	C1204	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.3%	3.4%
South Cotabato	C1207	479.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	10.1%	3.6%
Surigao del Sur	C1210	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.0%	0.0%	0.0%	0.0%
Davao del Norte	C1211	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1219	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1220	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao de Oro	C1223	250.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1231	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%
Davao del Norte	C1234	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Sur	C1235	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1236	199.6	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1237	48.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1241	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1242	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Davao del Norte	C1246	244.2	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1248	119.1	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%
Davao del Sur	C1250	2,222.7	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Surigao del Sur	C1253	150.8	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	8.6%	0.0%	0.0%	0.0%
Davao del Sur	C1256	301.3	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
	Total		0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	0.0%	100.0%	100.0%

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(3) Estimated Sub-Basin-wise Livestock & Poultry Water Demands

Table DBH-62 Estimated Sub-Basin-wise Livestock & Poultry Water Demands (SW) [WRR XI] (m^3/day)

	Province	Sub-Basin	Total Area [km2]		Year	2020	2030	2040	2050
1	Surigao del Sur	C0	233.68	Livestock WD	m3/day	8.95	10.14	11.13	11.77
2	Surigao del Sur	C6	26.62	Livestock WD	m3/day	12.00	13.60	14.92	15.78
3	Surigao del Sur	C8	76.26	Livestock WD	m3/day	30.44	34.48	37.83	40.02
4	Surigao del Sur	C10	40.10	Livestock WD	m3/day	22.37	25.35	27.81	29.42
5	Surigao del Sur	C16	41.44	Livestock WD	m3/day	39.95	45.26	49.65	52.53
6	Surigao del Sur	C17	101.46	Livestock WD	m3/day	21.01	23.80	26.12	27.63
7	Agusan del Sur	C25	124.91	Livestock WD	m3/day	1.07	1.22	1.33	1.41
8	Surigao del Sur	C35	70.60	Livestock WD	m3/day	38.48	43.60	47.83	50.60
9	Surigao del Sur	C37	38.46	Livestock WD	m3/day	48.03	54.42	59.70	63.16
10	Agusan del Sur	C49	83.46	Livestock WD	m3/day	7.55	8.55	9.38	9.92
11	Surigao del Sur	C52	95.82	Livestock WD	m3/day	55.05	62.37	68.42	72.39
12	Surigao del Sur	C60	62.08	Livestock WD	m3/day	22.55	25.55	28.03	29.65
13	Surigao del Sur	C67	82.41	Livestock WD	m3/day	31.63	35.83	39.31	41.59
14	Surigao del Sur	C69	54.34	Livestock WD	m3/day	43.54	49.33	54.12	57.25
15	Surigao del Sur	C79	130.07	Livestock WD	m3/day	29.65	33.59	36.85	38.98
16	Surigao del Sur	C80	107.87	Livestock WD	m3/day	40.01	45.33	49.74	52.62
17	Surigao del Sur	C81	133.41	Livestock WD	m3/day	30.82	34.91	38.30	40.52
18	Surigao del Sur	C82	27.97	Livestock WD	m3/day	31.94	36.19	39.70	42.00
19	Surigao del Sur	C90	77.85	Livestock WD	m3/day	19.58	22.19	24.34	25.75
20	Surigao del Sur	C94	58.90	Livestock WD	m3/day	10.17	11.53	12.65	13.38
21	Surigao del Sur	C96	13.16	Livestock WD	m3/day	19.25	21.80	23.92	25.31
22	Surigao del Sur	C97	61.12	Livestock WD	m3/day	20.79	23.55	25.84	27.33
23	Surigao del Sur	C102	123.07	Livestock WD	m3/day	26.90	30.48	33.44	35.38
24	Surigao del Sur	C106	95.39	Livestock WD	m3/day	14.93	16.92	18.56	19.64
25	Surigao del Sur	C108	110.61	Livestock WD	m3/day	30.75	34.84	38.23	40.44
26	Agusan del Sur	C116	55.04	Livestock WD	m3/day	0.16	0.18	0.20	0.21
27	Surigao del Sur	C121	29.72	Livestock WD	m3/day	24.61	27.88	30.59	32.36
28	Agusan del Sur	C128	90.70	Livestock WD	m3/day	6.38	7.23	7.94	8.40
29	Surigao del Sur	C129	29.38	Livestock WD	m3/day	26.16	29.64	32.52	34.40
30	Surigao del Sur	C137	73.95	Livestock WD	m3/day	21.41	24.26	26.62	28.16
31	Surigao del Sur	C138	78.58	Livestock WD	m3/day	18.29	20.73	22.74	24.06
32	Surigao del Sur	C141	18.78	Livestock WD	m3/day	20.82	23.59	25.88	27.38
33	Agusan del Sur	C147	70.67	Livestock WD	m3/day	11.86	13.44	14.74	15.59
34	Davao del Norte	C149	99.09	Livestock WD	m3/day	227.87	258.18	283.24	299.65
35	Surigao del Sur	C151	37.00	Livestock WD	m3/day	20.84	23.62	25.91	27.41
36	Davao Oriental	C154	39.46	Livestock WD	m3/day	20.87	23.65	25.94	27.44
37	Davao del Norte	C156	50.79	Livestock WD	m3/day	348.26	394.58	432.89	457.96
38	Davao del Norte	C157	28.15	Livestock WD	m3/day	348.26	394.58	432.89	457.96
39	Davao Oriental	C160	66.89	Livestock WD	m3/day	22.25	25.21	27.66	29.26
40	Davao del Norte	C161	85.87	Livestock WD	m3/day	348.26	394.58	432.89	457.96
41	Davao de Oro	C167	81.69	Livestock WD	m3/day	156.97	177.85	195.12	206.42
42	Davao del Norte	C168	110.15	Livestock WD	m3/day	283.68	321.41	352.62	373.04
43	Davao Oriental	C169	126.35	Livestock WD	m3/day	170.55	193.23	211.99	224.27
44	Davao de Oro	C170	87.26	Livestock WD	m3/day	22.54	25.54	28.02	29.64
45	Davao Oriental	C171	21.51	Livestock WD	m3/day	197.96	224.29	246.06	260.31
46	Davao Oriental	C172	60.41	Livestock WD	m3/day	197.64	223.93	245.67	259.90
47	Davao del Norte	C173	55.13	Livestock WD	m3/day	339.46	384.61	421.95	446.39
48	Davao de Oro	C174	73.43	Livestock WD	m3/day	71.62	81.15	89.03	94.18
49	Davao de Oro	C176	62.76	Livestock WD	m3/day	56.35	63.85	70.04	74.10
50	Davao del Norte	C179	72.41	Livestock WD	m3/day	275.41	312.04	342.34	362.17
51	Davao de Oro	C184	61.17	Livestock WD	m3/day	51.98	58.90	64.62	68.36
52	Davao Oriental	C186	145.50	Livestock WD	m3/day	106.97	121.19	132.96	140.66
53	Bukidnon	C190	79.63	Livestock WD	m3/day	210.68	238.70	261.87	277.04
54	Davao Oriental	C200	103.00	Livestock WD	m3/day	115.90	131.31	144.06	152.40
55	Davao del Norte	C205	48.77	Livestock WD	m3/day	237.60	269.20	295.33	312.44
56	Davao de Oro	C209	22.79	Livestock WD	m3/day	57.24	64.86	71.15	75.28
57	Davao de Oro	C216	20.92	Livestock WD	m3/day	61.38	69.54	76.30	80.72
58	Davao del Norte	C218	84.78	Livestock WD	m3/day	267.43	302.99	332.41	351.67
59	Davao del Norte	C220	51.04	Livestock WD	m3/day	230.90	261.61	287.01	303.63
60	Davao del Norte	C226	55.63	Livestock WD	m3/day	250.15	283.42	310.93	328.95
61	Davao Oriental	C234	147.77	Livestock WD	m3/day	102.05	115.62	126.84	134.19
62	Davao de Oro	C235	78.93	Livestock WD	m3/day	62.59	70.91	77.80	82.30
63	Davao del Norte	C239	23.68	Livestock WD	m3/day	259.67	294.21	322.77	341.47
64	Davao del Norte	C247	22.09	Livestock WD	m3/day	250.15	283.42	310.93	328.95
65	Davao del Norte	C248	70.65	Livestock WD	m3/day	109.40	123.95	135.98	143.86
66	Davao Oriental	C251	99.27	Livestock WD	m3/day	102.05	115.62	126.84	134.19
67	Davao del Norte	C255	73.71	Livestock WD	m3/day	133.63	151.40	166.10	175.72
68	Davao del Norte	C259	101.15	Livestock WD	m3/day	201.42	228.20	250.36	264.86
69	Davao de Oro	C261	184.88	Livestock WD	m3/day	77.39	87.69	96.20	101.77
70	Davao del Norte	C265	24.73	Livestock WD	m3/day	206.71	234.20	256.94	271.82
71	Davao Oriental	C266	132.93	Livestock WD	m3/day	98.87	112.02	122.89	130.01
72	North Cotabato	C268	103.77	Livestock WD	m3/day	34.04	38.57	42.31	44.76
73	Davao del Norte	C269	44.92	Livestock WD	m3/day	154.76	175.34	192.37	203.51
74	Davao del Norte	C274	47.43	Livestock WD	m3/day	85.90	97.33	106.78	112.96
75	Davao del Sur	C275	67.13	Livestock WD	m3/day	0.00	0.00	0.00	0.00
76	Davao del Sur	C276	26.43	Livestock WD	m3/day	0.00	0.00	0.00	0.00
77	Davao de Oro	C278	78.64	Livestock WD	m3/day	51.89	58.79	64.49	68.23
78	Davao del Sur	C283	67.00	Livestock WD	m3/day	56.80	64.35	70.60	74.69
79	Davao Oriental	C284	79.30	Livestock WD	m3/day	102.05	115.62	126.84	134.19
80	Davao del Sur	C288	44.86	Livestock WD	m3/day	0.00	0.00	0.00	0.00
81	Davao Oriental	C290	82.34	Livestock WD	m3/day	101.66	115.18	126.37	133.68
82	Davao de Oro	C294	97.34	Livestock WD	m3/day	72.09	81.68	89.61	94.80
83	Davao de Oro	C295	28.56	Livestock WD	m3/day	28.18	31.93	35.03	37.06
84	Davao del Norte	C297	35.64	Livestock WD	m3/day	79.09	89.61	98.31	104.01
85	Davao del Norte	C303	38.87	Livestock WD	m3/day	101.79	115.33	126.52	133.85
86	Davao del Sur	C308	48.94	Livestock WD	m3/day	0.00	0.00	0.00	0.00
87	Davao de Oro	C309	50.95	Livestock WD	m3/day	45.34	51.37	56.36	59.62
88	Davao del Norte	C313	42.46	Livestock WD	m3/day	72.37	82.00	89.96	95.17
89	Davao Oriental	C314	112.38	Livestock WD	m3/day	58.24	65.98	72.39	76.58
90	Davao del Norte	C317	29.05	Livestock WD	m3/day	47.64	53.98	59.22	62.65
91	Davao de Oro	C318	216.12	Livestock WD	m3/day	59.48	67.39	73.93	78.22
92	Davao del Sur	C321	99.51	Livestock WD	m3/day	0.09	0.10	0.11	0.11
93	Davao Oriental	C323	153.63	Livestock WD	m3/day	43.85	49.68	54.50	57.66
94	Davao del Norte	C325	30.07	Livestock WD	m3/day	71.60	81.12	89.00	94.16
95	Davao de Oro	C326	33.69	Livestock WD	m3/day	59.56	67.49	74.04	78.33
96	Davao del Sur	C327	48.63	Livestock WD	m3/day	8.03	9.10	9.99	10.56
97	Davao de Oro	C331	95.87	Livestock WD	m3/day	57.54	65.19	71.52	75.66
98	Davao de Oro	C333	58.17	Livestock WD	m3/day	59.80	67.76	74.34	78.64
99	Davao de Oro	C341	34.42	Livestock WD	m3/day	60.52	68.57	75.22	79.58
100	Davao del Norte	C350	40.93	Livestock WD	m3/day	80.99	91.76	100.67	106.50
101	Davao del Sur	C357	69.66	Livestock WD	m3/day	4.70	5.33	5.84	6.18
102	Davao Oriental	C359	114.51	Livestock WD	m3/day	33.01	37.40	41.03	43.41
103	Davao de Oro	C360	93.51	Livestock WD	m3/day	69.63	78.89	86.55	91.56
104	Davao Oriental	C364	123.89	Livestock WD	m3/day	16.92	19.18	21.04	22.26
105	Davao de Oro	C368	114.92	Livestock WD	m3/day	70.00	79.31	87.01	92.05
106	Davao de Oro	C378	115.12	Livestock WD	m3/day	194.50	220.37	241.77	255.77
107	Davao de Oro	C384	59.96	Livestock WD	m3/day	117.81	133.48	146.44	154.92
108	Davao Oriental	C385	138.14	Livestock WD	m3/day	248.21	281.23	308.53	326.40
109	Davao de Oro	C386	68.74	Livestock WD	m3/day	117.81	133.48	146.44	154.92
110	Davao Oriental	C389	186.23	Livestock WD	m3/day	161.31	182.76	200.50	212.12
111	Davao del Sur	C397	44.56	Livestock WD	m3/day	14.82	16.80	18.43	19.49
112	Davao del Sur	C398	76.34	Livestock WD	m3/day	0.00	0.00	0.00	0.00
113	Davao del Sur	C403	26.91	Livestock WD	m3/day	1.51	1.71	1.88	1.99
114	Davao del Sur	C407	57.83	Livestock WD	m3/day	0.00	0.00	0.00	0.00
115	Davao de Oro	C408	93.67	Livestock WD	m3/day	120.46	136.48	149.73	158.40
116	Davao Oriental	C416	158.74	Livestock WD	m3/day	8.59	9.73	10.68	11.30
117	Davao del Sur	C418	67.39	Livestock WD	m3/day	0.00	0.00	0.00	0.00
118	Davao del Norte	C426	36.29	Livestock WD	m3/day	35.72	40.47	44.40	46.97
119	Davao del Sur	C429	82.37	Livestock WD	m3/day	0.00	0.00	0.00	0.00
120	Davao del Sur	C430	42.24	Livestock WD	m3/day	0.00	0.00	0.00	0.00
121	Davao del Sur	C432	52.69	Livestock WD	m3/day	0.00	0.00	0.00	0.00
122	Davao Oriental	C433	110.21	Livestock WD	m3/day	0.00	0.00	0.00	0.00
123	Davao Oriental	C436	48.34	Livestock WD	m3/day	283.66	321.38	352.58	373.01
124	Davao Oriental	C445	147.44	Livestock WD	m3/day	66.76	75.64	82.98	87.79
125	Davao del Sur	C453	35.67	Livestock WD	m3/day	0.00	0.00	0.00	0.00
126	Davao del Norte	C456	49.22	Livestock WD	m3/day	35.72	40.47	44.40	46.97
127	Davao Oriental	C463	72.14	Livestock WD	m3/day	127.18	144.10	158.09	167.25
128	Davao Oriental	C466	102.80	Livestock WD	m3/day	15.37	17.42	19.11	20.21
129	Davao Oriental	C467	42.24	Livestock WD	m3/day	0.00	0.00	0.00	0.00
130	Davao del Sur	C470	95.86	Livestock WD	m3/day	9.84	11.15	12.23	12.94
131	North Cotabato	C472	65.97	Livestock WD	m3/day	124.43	140.98	154.67	163.63
132	Davao Oriental	C474	87.88	Livestock WD	m3/day	80.77	91.51	100.40	106.21
133	Davao Oriental	C476	28.11	Livestock WD	m3/day	0.00	0.00	0.00	0.00
134	Davao Oriental	C479	131.23	Livestock WD	m3/day	267.32	302.88	332.28	351.53
135	Davao del Sur	C480	69.94	Livestock WD	m3/day	156.17	176.94	194.12	205.36
136	Davao del Sur	C482	63.73	Livestock WD	m3/day	63.27	71.69	78.65	83.20
137	Davao del Sur	C488	31.84	Livestock WD	m3/day	278.31	315.32	345.94	365.97
138	Davao del Sur	C489	57.10	Livestock WD	m3/day	444.32	503.42	552.29	584.28
139	Davao del Sur	C490	37.51	Livestock WD	m3/day	161.94	183.48	201.29	212.95
140	Davao del Norte	C491	59.77	Livestock WD	m3/day	101.70	115.23	126.42	133.74
141	North Cotabato	C492	20.65	Livestock WD	m3/day	197.37	223.62	245.33	259.54
142	Davao del Sur	C493	59.61	Livestock WD	m3/day	0.00	0.00	0.00	0.00
143	Davao del Norte	C494	18.73	Livestock WD	m3/day	164.90	186.83	204.97	216.84
144	North Cotabato	C496	70.73	Livestock WD	m3/day	81.72	92.59	101.58	107.47
145	Davao del Sur	C501	46.24	Livestock WD	m3/day	531.82	602.55	661.05	699.34
146	Davao Oriental	C503	51.84	Livestock WD	m3/day	0.16	0.19	0.20	0.22
147	Davao del Norte	C505	80.88	Livestock WD	m3/day	135.06	153.03	167.88	177.61
148	Davao del Sur	C507	21.69	Livestock WD	m3/day	161.94	183.48	201.29	212.95
149	Davao del Sur	C511	38.48	Livestock WD	m3/day	314.72	356.58	391.20	413.86
150	Davao del Norte	C512	33.55	Livestock WD	m3/day	164.82	186.74	204.87	216.74
151	Sultan Kudarat	C515	25.21	Livestock WD	m3/day	31.63	35.84	39.32	41.60
152	Davao Oriental	C516	58.20	Livestock WD	m3/day	63.45	71.89	78.87	83.44
153	Sultan Kudarat	C521	33.21	Livestock WD	m3/day	207.41	234.99	257.81	272.74
154	Sultan Kudarat	C525	18.92	Livestock WD	m3/day	145.44	164.78	180.78	191.25
155	Davao del Sur	C529	47.70	Livestock WD	m3/day	73.24	82.98	91.03	96.31
156	Davao Oriental	C530	54.33	Livestock WD	m3/day	6.62	7.50	8.22	8.70
157	Davao Oriental	C531	14.57	Livestock WD	m3/day	0.00	0.00	0.00	0.00
158	Sultan Kudarat	C534	46.80	Livestock WD	m3/day	35.51	40.23	44.14	46.69
159	Davao del Sur	C536	54.18	Livestock WD	m3/day	13.76	15.59	17.10	18.09
160	Davao del Sur	C538	15.43	Livestock WD	m3/day	0.79	0.90	0.99	1.04
161	Sultan Kudarat	C539	38.32	Livestock WD	m3/day	40.26	45.61	50.04	52.94
162	Davao del Sur	C542	74.16	Livestock WD	m3/day	18.22	20.64	22.64	23.96
163	Davao Oriental	C544	35.76	Livestock WD	m3/day	6.01	6.81	7.47	7.91
164	Davao Oriental	C548	38.28	Livestock WD	m3/day	7.18	8.14	8.93	9.45
165	Davao Oriental	C549	11.98	Livestock WD	m3/day	0.00	0.00	0.00	0.00
166	Davao del Sur	C550	37.15	Livestock WD	m3/day	4.70	5.32	5.84	6.18
167	Davao del Sur	C553	42.00	Livestock WD	m3/day	33.67	38.14	41.85	44.27
168	Davao del Sur	C554	165.49	Livestock WD	m3/day	11.53	13.07	14.34	15.17
169	Davao Oriental	C561	33.40	Livestock WD	m3/day	5.15	5.83	6.40	6.77
170	South Cotabato	C563	105.43	Livestock WD	m3/day	73.49	83.26	91.34	96.63
171	Davao del Sur	C566	82.42	Livestock WD	m3/day	30.93	35.05	38.45	40.68
172	Davao del Sur	C567	99.88	Livestock WD	m3/day	8.55	9.69	10.63	11.24
173	Davao del Sur	C570	60.14	Livestock WD	m3/day	10.68	12.10	13.27	14.04
174	Davao Oriental	C571	18.93	Livestock WD	m3/day	5.14	5.82	6.39	6.76
175	Davao del Sur	C579	95.25	Livestock WD	m3/day	6.90	7.82	8.58	9.07
176	Davao del Sur	C582	130.15	Livestock WD	m3/day	20.38	23.09	25.34	26.80
177	Sarangani	C584	51.38	Livestock WD	m3/day	76.24	86.38	94.77	100.26
178	Sarangani	C591	46.35	Livestock WD	m3/day	50.80	57.55	63.14	66.80
179	Davao del Sur	C606	137.61	Livestock WD	m3/day	1.52	1.72	1.88	1.99
180	South Cotabato	C622	10.45	Livestock WD	m3/day	256.54	290.66	318.88	337.35
181	South Cotabato	C627	46.94	Livestock WD	m3/day	238.91	270.69	296.97	314.17
182	Sarangani	C630	96.70	Livestock WD	m3/day	38.03	43.08	47.27	50.00
183	South Cotabato	C633	66.09	Livestock WD	m3/day	269.17	304.97	334.58	353.96
184	South Cotabato	C640	65.87	Livestock WD	m3/day	267.39	302.96	332.37	351.62
185	South Cotabato	C641	34.92	Livestock WD	m3/day	241.88	274.05	300.66	318.07
186	Davao del Sur	C642	101.80	Livestock WD	m3/day	15.92	18.03	19.79	20.93
187	Sarangani	C644	78.61	Livestock WD	m3/day	57.58	65.24	71.58	75.72
188	South Cotabato	C649	53.44	Livestock WD	m3/day	236.95	268.46	294.53	311.59
189	South Cotabato	C652	143.69	Livestock WD	m3/day	212.27	240.50	263.85	279.14
190	Sarangani	C653	125.13	Livestock WD	m3/day	150.16	170.14	186.65	197.47
191	Davao del Sur	C655	116.00	Livestock WD	m3/day	0.00	0.00	0.00	0.00
192	Sarangani	C662	45.27	Livestock WD	m3/day	22.88	25.92	28.44	30.09
193	South Cotabato	C664	57.13	Livestock WD	m3/day	224.38	254.22	278.91	295.06
194	Sarangani	C666	67.95	Livestock WD	m3/day	56.41	63.92	70.12	74.18
195	Sarangani	C669	111.40	Livestock WD	m3/day	29.87	33.84	37.13	39.28
196	Sarangani	C670	63.14	Livestock WD	m3/day	58.63	66.43	72.88	77.10
197	Davao del Sur	C672	140.27	Livestock WD	m3/day	0.00	0.00	0.00	0.00
198	South Cotabato	C676	44.73	Livestock WD	m3/day	166.23	188.34	206.62	218.59
199	Sarangani	C683	10.12	Livestock WD	m3/day	23.56	26.70	29.29	30.99
200	Sarangani	C685	33.86	Livestock WD	m3/day	34.48	39.06	42.86	45.34
201	Sarangani	C688	96.08	Livestock WD	m3/day	88.09	99.81	109.50	115.84
202	Davao del Sur	C689	87.01	Livestock WD	m3/day	0.00	0.00	0.00	0.00
203	Sarangani	C691	37.24	Livestock WD	m3/day	58.63	66.43	72.88	77.10
204	Davao del Sur	C692	107.77	Livestock WD	m3/day	2.76	3.12	3.43	3.63
205	Sarangani	C695	24.21	Livestock WD	m3/day	26.41	29.92	32.83	34.73
206	Sarangani	C696	20.90	Livestock WD	m3/day	23.56	26.70	29.29	30.99
207	Sarangani	C699	72.81	Livestock WD	m3/day	60.92	69.02	75.72	80.10
208	Sarangani	C700	23.28	Livestock WD	m3/day	37.85	42.88	47.04	49.77
209	Sarangani	C701	36.65	Livestock WD	m3/day	37.85	42.88	47.04	49.77
210	Sarangani	C705	25.99	Livestock WD	m3/day	37.85	42.88	47.04	49.77
211	Sarangani	C706	16.70	Livestock WD	m3/day	70.86	80.29	88.08	93.18
212	Sarangani	C707	20.32	Livestock WD	m3/day	37.85	42.88	47.04	49.77
213	Sarangani	C712	41.65	Livestock WD	m3/day	78.00	88.37	96.95	102.57
214	Davao del Sur	C716	29.41	Livestock WD	m3/day	0.00	0.00	0.00	0.00
215	Sarangani	C721	85.11	Livestock WD	m3/day	78.55	89.00	97.64	103.29
216	Davao del Sur	C723	87.19	Livestock WD	m3/day	10.89	12.34	13.53	14.32
217	Sarangani	C727	95.05	Livestock WD	m3/day	78.55	89.00	97.64	103.29
218	Davao del Sur	C728	115.27	Livestock WD	m3/day	18.97	21.49	23.58	24.95
219	Sarangani	C729	72.24	Livestock WD	m3/day	78.53	88.98	97.62	103.27
220	Davao del Sur	C734	82.10	Livestock WD	m3/day	0.00	0.00	0.00	0.00
221	Agusan del Sur	C736	59.23	Livestock WD	m3/day	3.33	3.78	4.15	4.39
222	Sultan Kudarat	C745	33.05	Livestock WD	m3/day	40.91	46.36	50.86	53.80
223	Agusan del Sur	C748	81.92	Livestock WD	m3/day	9.68	10.97	12.03	12.73
224	Agusan del Sur	C751	66.52	Livestock WD	m3/day	169.61	192.17	210.83	223.04
225	Davao del Sur	C766	65.42	Livestock WD	m3/day	128.83	145.96	160.13	169.41
226	Davao del Sur	C769	79.68	Livestock WD	m3/day	12.63	14.31	15.70	16.61
227	Davao del Norte	C784	46.08	Livestock WD	m3/day	259.35	293.84	322.37	341.05
228	Agusan del Sur	C790	101.37	Livestock WD	m3/day	2.52	2.85	3.13	3.31
229	Sarangani	C801	101.22	Livestock WD	m3/day	51.36	58.19	63.84	67.54
230	Surigao del Sur	C803	96.37	Livestock WD	m3/day	51.61	58.47	64.15	67.86
231	South Cotabato	C807	129.90	Livestock WD	m3/day	169.56	192.11	210.76	222.97
232	Sarangani	C813	125.76	Livestock WD	m3/day	58.24	65.99	72.39	76.59
233	Surigao del Sur	C814	41.95	Livestock WD	m3/day	22.52	25.52	27.99	29.61
234	Davao del Sur	C815	52.17	Livestock WD	m3/day	483.47	547.77	600.95	635.76
235	Davao del Norte	C824	52.50	Livestock WD	m3/day	94.67	107.26	117.67	124.48
236	Davao del Norte	C827	85.32	Livestock WD	m3/day	257.44	291.68	320.00	338.53
237	Davao del Norte	C837	65.27	Livestock WD	m3/day	85.62	97.01	106.42	112.59
238	Davao del Sur	C840	149.68	Livestock WD	m3/day	10.33	11.70	12.84	13.58
239	Surigao del Sur	C858	87.08	Livestock WD	m3/day	30.09	34.09	37.40	39.57
240	Surigao del Sur	C859	91.59	Livestock WD	m3/day	37.08	42.01	46.09	48.76
241	Bukidnon	C861	114.07	Livestock WD	m3/day	192.83	218.47	239.69	253.57
242	Davao del Sur	C862	59.78	Livestock WD	m3/day	12.63	14.31	15.70	16.61
243	Davao del Sur	C863	155.26	Livestock WD	m3/day	0.00	0.00	0.00	0.00
244	South Cotabato	C869	57.13	Livestock WD	m3/day	159.71	180.95	198.52	210.02
245	Davao del Sur	C876	78.60	Livestock WD	m3/day	1.12	1.27	1.39	1.47
246	Davao del Sur	C877	45.57	Livestock WD	m3/day	564.12	639.14	701.20	741.81
247	Davao Oriental	C879	69.16	Livestock WD	m3/day	291.50	330.27	362.33	383.32
248	Davao Oriental	C894	151.78	Livestock WD	m3/day	44.09	49.95	54.80	57.97
249	Sarangani	C898	141.87	Livestock WD	m3/day	78.31	88.73	97.34	102.98
250	Davao del Norte	C899	76.14	Livestock WD	m3/day	98.26	111.33	122.14	129.21
251	Davao del Sur	C910	65.24	Livestock WD	m3/day	7.66	8.68	9.52	10.07
252	Surigao del Sur	C921	98.42	Livestock WD	m3/day	45.29	51.32	56.30	59.56
253	Davao del Sur	C929	100.24	Livestock WD	m3/day	0.31	0.36	0.39	0.41
254	Davao de Oro	C930	20.29	Livestock WD	m3/day	31.14	35.28	38.71	40.95
255	Davao Oriental	C931	57.90	Livestock WD	m3/day	5.85	6.63	7.27	7.69
256	Surigao del Sur	C932	56.31	Livestock WD	m3/day	46.13	52.27	57.34	60.66
257	South Cotabato	C935	78.12	Livestock WD	m3/day	199.07	225.55	247.45	261.78
258	South Cotabato	C937	76.43	Livestock WD	m3/day	145.34	164.67	180.66	191.13
259	North Cotabato	C941	20.90	Livestock WD	m3/day	223.10	252.77	277.31	293.37
260	Davao del Sur	C950	133.37	Livestock WD	m3/day	10.68	12.10	13.27	14.04
261	Agusan del Sur	C953	51.65	Livestock WD	m3/day	11.06	12.53	13.75	14.54
262	Davao del Norte	C956	42.78	Livestock WD	m3/day	117.21	132.80	145.69	154.13
263	Agusan del Sur	C959	80.63	Livestock WD	m3/day	0.00	0.00	0.00	0.00
264	South Cotabato	C960	77.68	Livestock WD	m3/day	274.19	310.66	340.82	360.56
265	Davao del Norte	C969	42.15	Livestock WD	m3/day	141.94	160.82	176.44	186.66
266	Sultan Kudarat	C970	13.62	Livestock WD	m3/day	336.65	381.42	418.45	442.69
267	Davao del Sur	C974	41.82	Livestock WD	m3/day	361.29	409.35	449.09	475.10
268	Davao Oriental	C977	74.64	Livestock WD	m3/day	85.81	97.22	106.66	112.83
269	Davao del Sur	C982	21.68	Livestock WD	m3/day	335.18	379.76	416.63	440.77
270	Surigao del Sur	C992	107.05	Livestock WD	m3/day	50.33	57.03	62.57	66.19
271	Davao del Norte	C994	43.75	Livestock WD	m3/day	179.49	203.36	223.11	236.03
272	South Cotabato	C1002	85.22	Livestock WD	m3/day	164.73	186.64	204.76	216.62
273	Davao de Oro	C1004	61.91	Livestock WD	m3/day	61.62	69.81	76.59	81.02
274	Agusan del Sur	C1005	64.20	Livestock WD	m3/day	11.80	13.37	14.67	15.52
275	Davao del Norte	C1009	53.52	Livestock WD	m3/day	99.34	112.55	123.48	130.63
276	Surigao del Sur	C1014	43.76	Livestock WD	m3/day	24.53	27.80	30.49	32.26
277	Sarangani	C1015	119.32	Livestock WD	m3/day	51.18	57.98	63.61	67.30
278	Sarangani	C1020	152.17	Livestock WD	m3/day	72.49	82.13	90.10	95.32
279	Sarangani	C1022	88.48	Livestock WD	m3/day	54.01	61.19	67.13	71.02
280	Sarangani	C1023	97.95	Livestock WD	m3/day	57.58	65.24	71.57	75.72
281	Davao de Oro	C1027	23.03	Livestock WD	m3/day	93.34	105.75	116.02	122.74
282	Sarangani	C1028	88.86	Livestock WD	m3/day	57.94	65.64	72.01	76.19
283	Davao del Norte	C1031	45.45	Livestock WD	m3/day	117.15	132.73	145.62	154.05
284	Davao del Sur	C1032	17.71	Livestock WD	m3/day	503.87	570.89	626.32	662.59
285	Bukidnon	C1039	159.65	Livestock WD	m3/day	281.09	318.47	349.39	369.63
286	Surigao del Sur	C1041	63.00	Livestock WD	m3/day	19.70	22.32	24.49	25.90
287	Davao del Norte	C1042	55.66	Livestock WD	m3/day	92.03	104.27	114.40	121.02
288	Surigao del Sur	C1049	48.79	Livestock WD	m3/day	22.57	25.58	28.06	29.68
289	Davao del Sur	C1054	121.97	Livestock WD	m3/day	0.00	0.00	0.00	0.00
290	Davao del Sur	C1055	34.82	Livestock WD	m3/day	421.72	477.81	524.20	554.56
291	Davao del Sur	C1060	118.81	Livestock WD	m3/day	0.00	0.00	0.00	0.00
292	Davao del Norte	C1061	175.09	Livestock WD	m3/day	238.21	269.90	296.10	313.25
293	Sultan Kudarat	C1066	34.82	Livestock WD	m3/day	129.49	146.71	160.95	170.27
294	Surigao del Sur	C1076	62.70	Livestock WD	m3/day	27.61	31.28	34.31	36.30
295	Davao del Sur	C1089	32.81	Livestock WD	m3/day	0.00	0.00	0.00	0.00
296	Davao del Norte	C1090	46.72	Livestock WD	m3/day	158.13	179.17	196.56	207.95
297	South Cotabato	C1091	55.89	Livestock WD	m3/day	199.59	226.13	248.08	262.45
298	Davao del Norte	C1095	98.04	Livestock WD	m3/day	348.17	394.48	432.78	457.85
299	Davao de Oro	C1097	72.69	Livestock WD	m3/day	159.09	180.25	197.75	209.20
300	Davao Oriental	C1098	156.37	Livestock WD	m3/day	102.05	115.62	126.84	134.19
301	Davao Oriental	C1102	69.67	Livestock WD	m3/day	44.06	49.92	54.77	57.94
302	Davao del Sur	C1110	58.16	Livestock WD	m3/day	0.00	0.00	0.00	0.00
303	Davao del Sur	C1122	8.65	Livestock WD	m3/day	611.51	692.84	760.11	804.14
304	Surigao del Sur	C1125	45.87	Livestock WD	m3/day	69.99	79.30	87.00	92.04
305	Davao del Norte	C1128	62.35	Livestock WD	m3/day	78.43	88.87	97.49	103.14
306	Davao Oriental	C1135	84.06	Livestock WD	m3/day	6.78	7.68	8.42	8.91
307	Davao del Sur	C1137	32.65	Livestock WD	m3/day	485.98	550.61	604.07	639.06
308	Surigao del Sur	C1138	185.71	Livestock WD	m3/day	45.03	51.02	55.97	59.22
309	Sarangani	C1142	43.45	Livestock WD	m3/day	58.11	65.84	72.23	76.42
310	Sarangani	C1144	112.62	Livestock WD	m3/day	58.63	66.43	72.88	77.10
311	Davao del Sur	C1150	29.31	Livestock WD	m3/day	599.28	678.98	744.90	788.05
312	Davao del Norte	C1153	48.18	Livestock WD	m3/day	100.85	114.26	125.36	132.62
313	Davao del Norte	C1162	32.91	Livestock WD	m3/day	346.93	393.08	431.24	456.22
314	Davao de Oro	C1164	43.72	Livestock WD	m3/day	49.56	56.15	61.60	65.17
315	Davao del Sur	C1166	24.38	Livestock WD	m3/day	439.08	497.48	545.78	577.39
316	Sarangani	C1167	36.71	Livestock WD	m3/day	57.58	65.24	71.58	75.72
317	Davao del Norte	C1168	26.32	Livestock WD	m3/day	96.82	109.70	120.35	127.32
318	Davao del Norte	C1175	69.88	Livestock WD	m3/day	320.58	363.21	398.48	421.56
319	Davao del Norte	C1188	85.30	Livestock WD	m3/day	233.04	264.03	289.66	306.44
320	Surigao del Sur	C1193	23.92	Livestock WD	m3/day	45.48	51.53	56.53	59.81
321	Davao del Sur	C1196	45.04	Livestock WD	m3/day	91.97	104.20	114.31	120.93
322	Davao del Norte	C1198	24.82	Livestock WD	m3/day	96.22	109.02	119.60	126.53
323	Surigao del Sur	C1200	64.76	Livestock WD	m3/day	55.46	62.84	68.94	72.94
324	Davao del Sur	C1201	47.71	Livestock WD	m3/day	133.38	151.12	165.79	175.40
325	South Cotabato	C1204	186.32	Livestock WD	m3/day	174.09	197.25	216.40	228.93
326	South Cotabato	C1207	70.03	Livestock WD	m3/day	171.97	194.84	213.76	226.14
327	Surigao del Sur	C1210	22.89	Livestock WD	m3/day	45.71	51.79	56.81	60.11
328	Davao del Norte	C1211	29.63	Livestock WD	m3/day	241.41	273.51	300.07	317.45
329	Davao del Norte	C1219	63.57	Livestock WD	m3/day	314.26	356.05	390.62	413.25
330	Davao del Sur	C1220	77.34	Livestock WD	m3/day	0.00	0.00	0.00	0.00
331	Davao de Oro	C1223	37.22	Livestock WD	m3/day	58.13	65.86	72.26	76.44
332	Davao del Norte	C1231	41.64	Livestock WD	m3/day	76.53	86.70	95.12	100.63
333	Davao del Norte	C1234	86.71	Livestock WD	m3/day	106.76	120.96	132.71	140.39
334	Davao del Sur	C1235	78.57	Livestock WD	m3/day	0.00	0.00	0.00	0.00
335	Surigao del Sur	C1236	97.46	Livestock WD	m3/day	39.05	44.24	48.53	51.35
336	Surigao del Sur	C1237	127.19	Livestock WD	m3/day	30.44	34.48	37.83	40.02
337	Davao del Norte	C1241	5.71	Livestock WD	m3/day	130.05	147.35	161.65	171.01
338	Davao del Norte	C1242	26.46	Livestock WD	m3/day	95.14	107.80	118.27	125.12
339	Davao del Norte	C1246	25.57	Livestock WD	m3/day	69.25	78.46	86.08	91.06
340	Davao del Norte	C1248	41.14	Livestock WD	m3/day	57.64	65.31	71.65	75.80
341	Davao del Sur	C1250	121.50	Livestock WD	m3/day	0.00	0.00	0.00	0.00
342	Surigao del Sur	C1253	15.42	Livestock WD	m3/day	51.43	58.27	63.93	67.63
343	Davao del Sur	C1256	119.04	Livestock WD	m3/day	2.49	2.82	3.10	3.28

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-63 Estimated Sub-Basin-wise Livestock & Poultry Water Demands (GW) [WRR XI] (m^3/day)

	Province	Sub-Basin	Total Area [km2]		Year	2020	2030	2040	2050
1	Surigao del Sur	C0	233.68	Livestock WD	m3/day	0.00	0.00	0.00	0.00
2	Surigao del Sur	C6	26.62	Livestock WD	m3/day	0.00	0.00	0.00	0.00
3	Surigao del Sur	C8	76.26	Livestock WD	m3/day	1.39	1.58	1.73	1.83
4	Surigao del Sur	C10	40.10	Livestock WD	m3/day	0.00	0.00	0.00	0.00
5	Surigao del Sur	C16	41.44	Livestock WD	m3/day	32.33	36.63	40.18	42.51
6	Surigao del Sur	C17	101.46	Livestock WD	m3/day	10.08	11.42	12.53	13.26
7	Agusan del Sur	C25	124.91	Livestock WD	m3/day	0.27	0.30	0.33	0.35
8	Surigao del Sur	C35	70.60	Livestock WD	m3/day	3.47	3.93	4.31	4.56
9	Surigao del Sur	C37	38.46	Livestock WD	m3/day	0.00	0.00	0.00	0.00
10	Agusan del Sur	C49	83.46	Livestock WD	m3/day	0.00	0.00	0.00	0.00
11	Surigao del Sur	C52	95.82	Livestock WD	m3/day	0.00	0.00	0.00	0.00
12	Surigao del Sur	C60	62.08	Livestock WD	m3/day	0.00	0.00	0.00	0.00
13	Surigao del Sur	C67	82.41	Livestock WD	m3/day	0.00	0.00	0.00	0.00
14	Surigao del Sur	C69	54.34	Livestock WD	m3/day	0.00	0.00	0.00	0.00
15	Surigao del Sur	C79	130.07	Livestock WD	m3/day	0.00	0.00	0.00	0.00
16	Surigao del Sur	C80	107.87	Livestock WD	m3/day	0.00	0.00	0.00	0.00
17	Surigao del Sur	C81	133.41	Livestock WD	m3/day	0.00	0.00	0.00	0.00
18	Surigao del Sur	C82	27.97	Livestock WD	m3/day	0.00	0.00	0.00	0.00
19	Surigao del Sur	C90	77.85	Livestock WD	m3/day	0.00	0.00	0.00	0.00
20	Surigao del Sur	C94	58.90	Livestock WD	m3/day	0.00	0.00	0.00	0.00
21	Surigao del Sur	C96	13.16	Livestock WD	m3/day	0.00	0.00	0.00	0.00
22	Surigao del Sur	C97	61.12	Livestock WD	m3/day	0.00	0.00	0.00	0.00
23	Surigao del Sur	C102	123.07	Livestock WD	m3/day	0.00	0.00	0.00	0.00
24	Surigao del Sur	C106	95.39	Livestock WD	m3/day	0.00	0.00	0.00	0.00
25	Surigao del Sur	C108	110.61	Livestock WD	m3/day	0.00	0.00	0.00	0.00
26	Agusan del Sur	C116	55.04	Livestock WD	m3/day	0.00	0.00	0.00	0.00
27	Surigao del Sur	C121	29.72	Livestock WD	m3/day	0.00	0.00	0.00	0.00
28	Agusan del Sur	C128	90.70	Livestock WD	m3/day	0.00	0.00	0.00	0.00
29	Surigao del Sur	C129	29.38	Livestock WD	m3/day	0.00	0.00	0.00	0.00
30	Surigao del Sur	C137	73.95	Livestock WD	m3/day	0.00	0.00	0.00	0.00
31	Surigao del Sur	C138	78.58	Livestock WD	m3/day	0.00	0.00	0.00	0.00
32	Surigao del Sur	C141	18.78	Livestock WD	m3/day	0.00	0.00	0.00	0.00
33	Agusan del Sur	C147	70.67	Livestock WD	m3/day	0.00	0.00	0.00	0.00
34	Davao del Norte	C149	99.09	Livestock WD	m3/day	0.00	0.00	0.00	0.00
35	Surigao del Sur	C151	37.00	Livestock WD	m3/day	0.00	0.00	0.00	0.00
36	Davao Oriental	C154	39.46	Livestock WD	m3/day	0.00	0.00	0.00	0.00
37	Davao del Norte	C156	50.79	Livestock WD	m3/day	0.00	0.00	0.00	0.00
38	Davao del Norte	C157	28.15	Livestock WD	m3/day	0.00	0.00	0.00	0.00
39	Davao Oriental	C160	66.89	Livestock WD	m3/day	0.00	0.00	0.00	0.00
40	Davao del Norte	C161	85.87	Livestock WD	m3/day	0.00	0.00	0.00	0.00
41	Davao de Oro	C167	81.69	Livestock WD	m3/day	0.00	0.00	0.00	0.00
42	Davao del Norte	C168	110.15	Livestock WD	m3/day	0.00	0.00	0.00	0.00
43	Davao Oriental	C169	126.35	Livestock WD	m3/day	0.00	0.00	0.00	0.00
44	Davao de Oro	C170	87.26	Livestock WD	m3/day	0.00	0.00	0.00	0.00
45	Davao Oriental	C171	21.51	Livestock WD	m3/day	0.00	0.00	0.00	0.00
46	Davao Oriental	C172	60.41	Livestock WD	m3/day	0.00	0.00	0.00	0.00
47	Davao del Norte	C173	55.13	Livestock WD	m3/day	0.00	0.00	0.00	0.00
48	Davao de Oro	C174	73.43	Livestock WD	m3/day	0.00	0.00	0.00	0.00
49	Davao de Oro	C176	62.76	Livestock WD	m3/day	0.00	0.00	0.00	0.00
50	Davao del Norte	C179	72.41	Livestock WD	m3/day	0.00	0.00	0.00	0.00
51	Davao de Oro	C184	61.17	Livestock WD	m3/day	0.00	0.00	0.00	0.00
52	Davao Oriental	C186	145.50	Livestock WD	m3/day	0.00	0.00	0.00	0.00
53	Bukidnon	C190	79.63	Livestock WD	m3/day	0.00	0.00	0.00	0.00
54	Davao Oriental	C200	103.00	Livestock WD	m3/day	0.00	0.00	0.00	0.00
55	Davao del Norte	C205	48.77	Livestock WD	m3/day	0.00	0.00	0.00	0.00
56	Davao de Oro	C209	22.79	Livestock WD	m3/day	0.00	0.00	0.00	0.00
57	Davao de Oro	C216	20.92	Livestock WD	m3/day	0.00	0.00	0.00	0.00
58	Davao del Norte	C218	84.78	Livestock WD	m3/day	0.00	0.00	0.00	0.00
59	Davao del Norte	C220	51.04	Livestock WD	m3/day	0.00	0.00	0.00	0.00
60	Davao del Norte	C226	55.63	Livestock WD	m3/day	0.00	0.00	0.00	0.00
61	Davao Oriental	C234	147.77	Livestock WD	m3/day	0.00	0.00	0.00	0.00
62	Davao de Oro	C235	78.93	Livestock WD	m3/day	0.00	0.00	0.00	0.00
63	Davao del Norte	C239	23.68	Livestock WD	m3/day	0.00	0.00	0.00	0.00
64	Davao del Norte	C247	22.09	Livestock WD	m3/day	0.00	0.00	0.00	0.00
65	Davao del Norte	C248	70.65	Livestock WD	m3/day	0.00	0.00	0.00	0.00
66	Davao Oriental	C251	99.27	Livestock WD	m3/day	0.00	0.00	0.00	0.00
67	Davao del Norte	C255	73.71	Livestock WD	m3/day	0.00	0.00	0.00	0.00
68	Davao del Norte	C259	101.15	Livestock WD	m3/day	0.00	0.00	0.00	0.00
69	Davao de Oro	C261	184.88	Livestock WD	m3/day	0.00	0.00	0.00	0.00
70	Davao del Norte	C265	24.73	Livestock WD	m3/day	0.00	0.00	0.00	0.00
71	Davao Oriental	C266	132.93	Livestock WD	m3/day	0.00	0.00	0.00	0.00
72	North Cotabato	C268	103.77	Livestock WD	m3/day	4.88	5.53	6.06	6.41
73	Davao del Norte	C269	44.92	Livestock WD	m3/day	0.00	0.00	0.00	0.00
74	Davao del Norte	C274	47.43	Livestock WD	m3/day	0.00	0.00	0.00	0.00
75	Davao del Sur	C275	67.13	Livestock WD	m3/day	0.00	0.00	0.00	0.00
76	Davao del Sur	C276	26.43	Livestock WD	m3/day	0.00	0.00	0.00	0.00
77	Davao de Oro	C278	78.64	Livestock WD	m3/day	0.00	0.00	0.00	0.00
78	Davao del Sur	C283	67.00	Livestock WD	m3/day	5.16	5.85	6.42	6.79
79	Davao Oriental	C284	79.30	Livestock WD	m3/day	0.00	0.00	0.00	0.00
80	Davao del Sur	C288	44.86	Livestock WD	m3/day	0.00	0.00	0.00	0.00
81	Davao Oriental	C290	82.34	Livestock WD	m3/day	0.00	0.00	0.00	0.00
82	Davao de Oro	C294	97.34	Livestock WD	m3/day	0.00	0.00	0.00	0.00
83	Davao de Oro	C295	28.56	Livestock WD	m3/day	0.00	0.00	0.00	0.00
84	Davao del Norte	C297	35.64	Livestock WD	m3/day	0.00	0.00	0.00	0.00
85	Davao del Norte	C303	38.87	Livestock WD	m3/day	0.00	0.00	0.00	0.00
86	Davao del Sur	C308	48.94	Livestock WD	m3/day	0.00	0.00	0.00	0.00
87	Davao de Oro	C309	50.95	Livestock WD	m3/day	0.00	0.00	0.00	0.00
88	Davao del Norte	C313	42.46	Livestock WD	m3/day	0.05	0.05	0.06	0.06
89	Davao Oriental	C314	112.38	Livestock WD	m3/day	0.00	0.00	0.00	0.00
90	Davao del Norte	C317	29.05	Livestock WD	m3/day	11.10	12.58	13.80	14.60
91	Davao de Oro	C318	216.12	Livestock WD	m3/day	0.00	0.00	0.00	0.00
92	Davao del Sur	C321	99.51	Livestock WD	m3/day	0.00	0.00	0.00	0.00
93	Davao Oriental	C323	153.63	Livestock WD	m3/day	0.00	0.00	0.00	0.00
94	Davao del Norte	C325	30.07	Livestock WD	m3/day	0.00	0.00	0.00	0.00
95	Davao de Oro	C326	33.69	Livestock WD	m3/day	0.00	0.00	0.00	0.00
96	Davao del Sur	C327	48.63	Livestock WD	m3/day	1.18	1.34	1.47	1.56
97	Davao de Oro	C331	95.87	Livestock WD	m3/day	0.00	0.00	0.00	0.00
98	Davao de Oro	C333	58.17	Livestock WD	m3/day	0.00	0.00	0.00	0.00
99	Davao de Oro	C341	34.42	Livestock WD	m3/day	0.00	0.00	0.00	0.00
100	Davao del Norte	C350	40.93	Livestock WD	m3/day	16.46	18.65	20.46	21.65
101	Davao del Sur	C357	69.66	Livestock WD	m3/day	0.70	0.79	0.87	0.92
102	Davao Oriental	C359	114.51	Livestock WD	m3/day	0.00	0.00	0.00	0.00
103	Davao de Oro	C360	93.51	Livestock WD	m3/day	0.00	0.00	0.00	0.00
104	Davao Oriental	C364	123.89	Livestock WD	m3/day	0.00	0.00	0.00	0.00
105	Davao de Oro	C368	114.92	Livestock WD	m3/day	0.00	0.00	0.00	0.00
106	Davao de Oro	C378	115.12	Livestock WD	m3/day	0.00	0.00	0.00	0.00
107	Davao de Oro	C384	59.96	Livestock WD	m3/day	0.00	0.00	0.00	0.00
108	Davao Oriental	C385	138.14	Livestock WD	m3/day	0.00	0.00	0.00	0.00
109	Davao de Oro	C386	68.74	Livestock WD	m3/day	0.00	0.00	0.00	0.00
110	Davao Oriental	C389	186.23	Livestock WD	m3/day	0.00	0.00	0.00	0.00
111	Davao del Sur	C397	44.56	Livestock WD	m3/day	0.00	0.00	0.00	0.00
112	Davao del Sur	C398	76.34	Livestock WD	m3/day	0.00	0.00	0.00	0.00
113	Davao del Sur	C403	26.91	Livestock WD	m3/day	0.37	0.42	0.46	0.49
114	Davao del Sur	C407	57.82586	Livestock WD	m3/day	0.01	0.01	0.01	0.01
115	Davao de Oro	C408	93.67207	Livestock WD	m3/day	0.00	0.00	0.00	0.00
116	Davao Oriental	C416	158.7445	Livestock WD	m3/day	0.00	0.00	0.00	0.00
117	Davao del Sur	C418	67.39067	Livestock WD	m3/day	0.00	0.00	0.00	0.00
118	Davao del Norte	C426	36.29396	Livestock WD	m3/day	0.00	0.00	0.00	0.00
119	Davao del Sur	C429	82.37304	Livestock WD	m3/day	0.00	0.00	0.00	0.00
120	Davao del Sur	C430	42.24008	Livestock WD	m3/day	0.00	0.00	0.00	0.00
121	Davao del Sur	C432	52.69237	Livestock WD	m3/day	0.00	0.00	0.00	0.00
122	Davao Oriental	C433	110.2087	Livestock WD	m3/day	0.00	0.00	0.00	0.00
123	Davao Oriental	C436	48.34094	Livestock WD	m3/day	0.00	0.00	0.00	0.00
124	Davao Oriental	C445	147.4351	Livestock WD	m3/day	0.00	0.00	0.00	0.00
125	Davao del Sur	C453	35.66979	Livestock WD	m3/day	0.00	0.00	0.00	0.00
126	Davao del Norte	C456	49.21534	Livestock WD	m3/day	0.00	0.00	0.00	0.00
127	Davao Oriental	C463	72.14074	Livestock WD	m3/day	0.00	0.00	0.00	0.00
128	Davao Oriental	C466	102.7958	Livestock WD	m3/day	0.00	0.00	0.00	0.00
129	Davao Oriental	C467	42.24229	Livestock WD	m3/day	0.00	0.00	0.00	0.00
130	Davao del Sur	C470	95.86276	Livestock WD	m3/day	0.02	0.02	0.02	0.02
131	North Cotabato	C472	65.97259	Livestock WD	m3/day	0.00	0.00	0.00	0.00
132	Davao Oriental	C474	87.88281	Livestock WD	m3/day	0.00	0.00	0.00	0.00
133	Davao Oriental	C476	28.10504	Livestock WD	m3/day	0.00	0.00	0.00	0.00
134	Davao Oriental	C479	131.2331	Livestock WD	m3/day	0.00	0.00	0.00	0.00
135	Davao del Sur	C480	69.94484	Livestock WD	m3/day	0.00	0.00	0.00	0.00
136	Davao del Sur	C482	63.73451	Livestock WD	m3/day	0.00	0.00	0.00	0.00
137	Davao del Sur	C488	31.83787	Livestock WD	m3/day	0.00	0.00	0.00	0.00
138	Davao del Sur	C489	57.09821	Livestock WD	m3/day	0.00	0.00	0.00	0.00
139	Davao del Sur	C490	37.50601	Livestock WD	m3/day	0.00	0.00	0.00	0.00
140	Davao del Norte	C491	59.77122	Livestock WD	m3/day	0.00	0.00	0.00	0.00
141	North Cotabato	C492	20.64959	Livestock WD	m3/day	0.00	0.00	0.00	0.00
142	Davao del Sur	C493	59.61298	Livestock WD	m3/day	0.00	0.00	0.00	0.00
143	Davao del Norte	C494	18.72924	Livestock WD	m3/day	0.00	0.00	0.00	0.00
144	North Cotabato	C496	70.72867	Livestock WD	m3/day	27.43	31.08	34.10	36.07
145	Davao del Sur	C501	46.23683	Livestock WD	m3/day	3.05	3.45	3.79	4.01
146	Davao Oriental	C503	51.84158	Livestock WD	m3/day	0.00	0.00	0.00	0.00
147	Davao del Norte	C505	80.87518	Livestock WD	m3/day	0.00	0.00	0.00	0.00
148	Davao del Sur	C507	21.68532	Livestock WD	m3/day	0.00	0.00	0.00	0.00
149	Davao del Sur	C511	38.47668	Livestock WD	m3/day	0.00	0.00	0.00	0.00
150	Davao del Norte	C512	33.55143	Livestock WD	m3/day	0.00	0.00	0.00	0.00
151	Sultan Kudarat	C515	25.20822	Livestock WD	m3/day	0.37	0.41	0.45	0.48
152	Davao Oriental	C516	58.1968	Livestock WD	m3/day	0.00	0.00	0.00	0.00
153	Sultan Kudarat	C521	33.20549	Livestock WD	m3/day	0.00	0.00	0.00	0.00
154	Sultan Kudarat	C525	18.92362	Livestock WD	m3/day	0.00	0.00	0.00	0.00
155	Davao del Sur	C529	47.70286	Livestock WD	m3/day	0.00	0.00	0.00	0.00
156	Davao Oriental	C530	54.33423	Livestock WD	m3/day	0.00	0.00	0.00	0.00
157	Davao Oriental	C531	14.5743	Livestock WD	m3/day	0.00	0.00	0.00	0.00
158	Sultan Kudarat	C534	46.79999	Livestock WD	m3/day	0.00	0.00	0.00	0.00
159	Davao del Sur	C536	54.17674	Livestock WD	m3/day	0.00	0.00	0.00	0.00
160	Davao del Sur	C538	15.43334	Livestock WD	m3/day	0.00	0.00	0.00	0.00
161	Sultan Kudarat	C539	38.31825	Livestock WD	m3/day	0.00	0.00	0.00	0.00
162	Davao del Sur	C542	74.16328	Livestock WD	m3/day	0.00	0.00	0.00	0.00
163	Davao Oriental	C544	35.76268	Livestock WD	m3/day	0.00	0.00	0.00	0.00
164	Davao Oriental	C548	38.28141	Livestock WD	m3/day	0.00	0.00	0.00	0.00
165	Davao Oriental	C549	11.97568	Livestock WD	m3/day	0.00	0.00	0.00	0.00
166	Davao del Sur	C550	37.14566	Livestock WD	m3/day	0.00	0.00	0.00	0.00
167	Davao del Sur	C553	41.99888	Livestock WD	m3/day	0.00	0.00	0.00	0.00
168	Davao del Sur	C554	165.4883	Livestock WD	m3/day	0.21	0.24	0.26	0.27
169	Davao Oriental	C561	33.39777	Livestock WD	m3/day	0.00	0.00	0.00	0.00
170	South Cotabato	C563	105.4348	Livestock WD	m3/day	0.00	0.00	0.00	0.00
171	Davao del Sur	C566	82.4215	Livestock WD	m3/day	49.65	56.25	61.71	65.28
172	Davao del Sur	C567	99.8768	Livestock WD	m3/day	4.51	5.11	5.61	5.93
173	Davao del Sur	C570	60.13661	Livestock WD	m3/day	0.00	0.00	0.00	0.00
174	Davao Oriental	C571	18.93287	Livestock WD	m3/day	0.00	0.00	0.00	0.00
175	Davao del Sur	C579	95.25443	Livestock WD	m3/day	0.00	0.00	0.00	0.00
176	Davao del Sur	C582	130.1453	Livestock WD	m3/day	34.82	39.45	43.28	45.78
177	Sarangani	C584	51.37838	Livestock WD	m3/day	215.70	244.39	268.11	283.64
178	Sarangani	C591	46.34868	Livestock WD	m3/day	141.74	160.60	176.19	186.39
179	Davao del Sur	C606	137.6113	Livestock WD	m3/day	0.00	0.00	0.00	0.00
180	South Cotabato	C622	10.45271	Livestock WD	m3/day	0.00	0.00	0.00	0.00
181	South Cotabato	C627	46.94286	Livestock WD	m3/day	653.86	740.82	812.75	859.83
182	Sarangani	C630	96.7039	Livestock WD	m3/day	109.41	123.97	136.00	143.88
183	South Cotabato	C633	66.09443	Livestock WD	m3/day	0.00	0.00	0.00	0.00
184	South Cotabato	C640	65.8734	Livestock WD	m3/day	214.80	243.36	266.99	282.46
185	South Cotabato	C641	34.92032	Livestock WD	m3/day	620.18	702.67	770.89	815.54
186	Davao del Sur	C642	101.7981	Livestock WD	m3/day	29.62	33.56	36.82	38.95
187	Sarangani	C644	78.61045	Livestock WD	m3/day	189.24	214.41	235.22	248.85
188	South Cotabato	C649	53.44113	Livestock WD	m3/day	549.95	623.09	683.59	723.18
189	South Cotabato	C652	143.6885	Livestock WD	m3/day	0.00	0.00	0.00	0.00
190	Sarangani	C653	125.1253	Livestock WD	m3/day	0.00	0.00	0.00	0.00
191	Davao del Sur	C655	115.9952	Livestock WD	m3/day	0.00	0.00	0.00	0.00
192	Sarangani	C662	45.26811	Livestock WD	m3/day	0.00	0.00	0.00	0.00
193	South Cotabato	C664	57.13051	Livestock WD	m3/day	257.10	291.30	319.58	338.09
194	Sarangani	C666	67.95477	Livestock WD	m3/day	0.00	0.00	0.00	0.00
195	Sarangani	C669	111.3968	Livestock WD	m3/day	10.30	11.67	12.80	13.54
196	Sarangani	C670	63.14141	Livestock WD	m3/day	0.00	0.00	0.00	0.00
197	Davao del Sur	C672	140.2705	Livestock WD	m3/day	0.00	0.00	0.00	0.00
198	South Cotabato	C676	44.72846	Livestock WD	m3/day	338.22	383.21	420.41	444.76
199	Sarangani	C683	10.12189	Livestock WD	m3/day	0.00	0.00	0.00	0.00
200	Sarangani	C685	33.86072	Livestock WD	m3/day	0.00	0.00	0.00	0.00
201	Sarangani	C688	96.08359	Livestock WD	m3/day	49.19	55.73	61.14	64.68
202	Davao del Sur	C689	87.01186	Livestock WD	m3/day	0.00	0.00	0.00	0.00
203	Sarangani	C691	37.24267	Livestock WD	m3/day	0.00	0.00	0.00	0.00
204	Davao del Sur	C692	107.769	Livestock WD	m3/day	0.00	0.00	0.00	0.00
205	Sarangani	C695	24.20731	Livestock WD	m3/day	0.00	0.00	0.00	0.00
206	Sarangani	C696	20.90144	Livestock WD	m3/day	0.00	0.00	0.00	0.00
207	Sarangani	C699	72.81364	Livestock WD	m3/day	0.00	0.00	0.00	0.00
208	Sarangani	C700	23.2789	Livestock WD	m3/day	0.00	0.00	0.00	0.00
209	Sarangani	C701	36.64991	Livestock WD	m3/day	0.00	0.00	0.00	0.00
210	Sarangani	C705	25.99332	Livestock WD	m3/day	0.00	0.00	0.00	0.00
211	Sarangani	C706	16.70029	Livestock WD	m3/day	0.00	0.00	0.00	0.00
212	Sarangani	C707	20.31751	Livestock WD	m3/day	0.00	0.00	0.00	0.00
213	Sarangani	C712	41.65361	Livestock WD	m3/day	0.00	0.00	0.00	0.00
214	Davao del Sur	C716	29.41462	Livestock WD	m3/day	0.00	0.00	0.00	0.00
215	Sarangani	C721	85.10741	Livestock WD	m3/day	0.00	0.00	0.00	0.00
216	Davao del Sur	C723	87.18546	Livestock WD	m3/day	0.00	0.00	0.00	0.00
217	Sarangani	C727	95.0496	Livestock WD	m3/day	0.00	0.00	0.00	0.00
218	Davao del Sur	C728	115.2693	Livestock WD	m3/day	0.00	0.00	0.00	0.00
219	Sarangani	C729	72.23922	Livestock WD	m3/day	0.00	0.00	0.00	0.00
220	Davao del Sur	C734	82.10374	Livestock WD	m3/day	0.00	0.00	0.00	0.00
221	Agusan del Sur	C736	59.23275	Livestock WD	m3/day	0.00	0.00	0.00	0.00
222	Sultan Kudarat	C745	33.0504	Livestock WD	m3/day	0.00	0.00	0.00	0.00
223	Agusan del Sur	C748	81.92137	Livestock WD	m3/day	0.00	0.00	0.00	0.00
224	Agusan del Sur	C751	66.52223	Livestock WD	m3/day	0.00	0.00	0.00	0.00
225	Davao del Sur	C766	65.42419	Livestock WD	m3/day	0.41	0.47	0.51	0.54
226	Davao del Sur	C769	79.68055	Livestock WD	m3/day	0.00	0.00	0.00	0.00
227	Davao del Norte	C784	46.07995	Livestock WD	m3/day	0.00	0.00	0.00	0.00
228	Agusan del Sur	C790	101.3658	Livestock WD	m3/day	0.00	0.00	0.00	0.00
229	Sarangani	C801	101.2228	Livestock WD	m3/day	149.96	169.90	186.40	197.19
230	Surigao del Sur	C803	96.37435	Livestock WD	m3/day	0.00	0.00	0.00	0.00
231	South Cotabato	C807	129.9026	Livestock WD	m3/day	0.00	0.00	0.00	0.00
232	Sarangani	C813	125.7638	Livestock WD	m3/day	126.48	143.30	157.22	166.32
233	Surigao del Sur	C814	41.94555	Livestock WD	m3/day	0.00	0.00	0.00	0.00
234	Davao del Sur	C815	52.17379	Livestock WD	m3/day	0.00	0.00	0.00	0.00
235	Davao del Norte	C824	52.49913	Livestock WD	m3/day	0.34	0.38	0.42	0.44
236	Davao del Norte	C827	85.31588	Livestock WD	m3/day	0.00	0.00	0.00	0.00
237	Davao del Norte	C837	65.27001	Livestock WD	m3/day	0.00	0.00	0.00	0.00
238	Davao del Sur	C840	149.6826	Livestock WD	m3/day	0.00	0.00	0.00	0.00
239	Surigao del Sur	C858	87.07701	Livestock WD	m3/day	0.00	0.00	0.00	0.00
240	Surigao del Sur	C859	91.58537	Livestock WD	m3/day	26.04	29.50	32.36	34.24
241	Bukidnon	C861	114.0734	Livestock WD	m3/day	0.00	0.00	0.00	0.00
242	Davao del Sur	C862	59.7811	Livestock WD	m3/day	0.00	0.00	0.00	0.00
243	Davao del Sur	C863	155.2604	Livestock WD	m3/day	0.00	0.00	0.00	0.00
244	South Cotabato	C869	57.13213	Livestock WD	m3/day	5.94	6.73	7.39	7.82
245	Davao del Sur	C876	78.5959	Livestock WD	m3/day	0.17	0.19	0.21	0.22
246	Davao del Sur	C877	45.565	Livestock WD	m3/day	0.00	0.00	0.00	0.00
247	Davao Oriental	C879	69.1603	Livestock WD	m3/day	0.00	0.00	0.00	0.00
248	Davao Oriental	C894	151.7828	Livestock WD	m3/day	0.00	0.00	0.00	0.00
249	Sarangani	C898	141.8679	Livestock WD	m3/day	0.00	0.00	0.00	0.00
250	Davao del Norte	C899	76.13802	Livestock WD	m3/day	0.00	0.00	0.00	0.00
251	Davao del Sur	C910	65.24285	Livestock WD	m3/day	0.00	0.00	0.00	0.00
252	Surigao del Sur	C921	98.42262	Livestock WD	m3/day	0.90	1.02	1.12	1.19
253	Davao del Sur	C929	100.2401	Livestock WD	m3/day	0.00	0.00	0.00	0.00
254	Davao de Oro	C930	20.28783	Livestock WD	m3/day	0.00	0.00	0.00	0.00
255	Davao Oriental	C931	57.89551	Livestock WD	m3/day	0.00	0.00	0.00	0.00
256	Surigao del Sur	C932	56.30982	Livestock WD	m3/day	0.00	0.00	0.00	0.00
257	South Cotabato	C935	78.11906	Livestock WD	m3/day	0.00	0.00	0.00	0.00
258	South Cotabato	C937	76.43288	Livestock WD	m3/day	188.23	213.26	233.97	247.52
259	North Cotabato	C941	20.89996	Livestock WD	m3/day	0.00	0.00	0.00	0.00
260	Davao del Sur	C950	133.3729	Livestock WD	m3/day	0.00	0.00	0.00	0.00
261	Agusan del Sur	C953	51.64749	Livestock WD	m3/day	7.73	8.76	9.61	10.17
262	Davao del Norte	C956	42.77708	Livestock WD	m3/day	2.58	2.92	3.21	3.39
263	Agusan del Sur	C959	80.62877	Livestock WD	m3/day	0.00	0.00	0.00	0.00
264	South Cotabato	C960	77.68355	Livestock WD	m3/day	112.98	128.01	140.44	148.57
265	Davao del Norte	C969	42.14817	Livestock WD	m3/day	0.00	0.00	0.00	0.00
266	Sultan Kudarat	C970	13.62163	Livestock WD	m3/day	0.00	0.00	0.00	0.00
267	Davao del Sur	C974	41.81919	Livestock WD	m3/day	0.00	0.00	0.00	0.00
268	Davao Oriental	C977	74.64086	Livestock WD	m3/day	0.00	0.00	0.00	0.00
269	Davao del Sur	C982	21.68434	Livestock WD	m3/day	0.00	0.00	0.00	0.00
270	Surigao del Sur	C992	107.0489	Livestock WD	m3/day	0.00	0.00	0.00	0.00
271	Davao del Norte	C994	43.75152	Livestock WD	m3/day	0.00	0.00	0.00	0.00
272	South Cotabato	C1002	85.21867	Livestock WD	m3/day	0.00	0.00	0.00	0.00
273	Davao de Oro	C1004	61.90985	Livestock WD	m3/day	0.00	0.00	0.00	0.00
274	Agusan del Sur	C1005	64.19572	Livestock WD	m3/day	0.00	0.00	0.00	0.00
275	Davao del Norte	C1009	53.52177	Livestock WD	m3/day	0.00	0.00	0.00	0.00
276	Surigao del Sur	C1014	43.76211	Livestock WD	m3/day	14.88	16.86	18.50	19.57
277	Sarangani	C1015	119.3186	Livestock WD	m3/day	143.08	162.11	177.85	188.15
278	Sarangani	C1020	152.1731	Livestock WD	m3/day	0.00	0.00	0.00	0.00
279	Sarangani	C1022	88.47539	Livestock WD	m3/day	0.00	0.00	0.00	0.00
280	Sarangani	C1023	97.94693	Livestock WD	m3/day	189.14	214.29	235.10	248.71
281	Davao de Oro	C1027	23.02572	Livestock WD	m3/day	0.00	0.00	0.00	0.00
282	Sarangani	C1028	88.86011	Livestock WD	m3/day	125.80	142.53	156.37	165.43
283	Davao del Norte	C1031	45.45319	Livestock WD	m3/day	0.00	0.00	0.00	0.00
284	Davao del Sur	C1032	17.71301	Livestock WD	m3/day	0.00	0.00	0.00	0.00
285	Bukidnon	C1039	159.6476	Livestock WD	m3/day	0.00	0.00	0.00	0.00
286	Surigao del Sur	C1041	63.00119	Livestock WD	m3/day	0.00	0.00	0.00	0.00
287	Davao del Norte	C1042	55.65734	Livestock WD	m3/day	0.00	0.00	0.00	0.00
288	Surigao del Sur	C1049	48.79393	Livestock WD	m3/day	0.00	0.00	0.00	0.00
289	Davao del Sur	C1054	121.9698	Livestock WD	m3/day	0.00	0.00	0.00	0.00
290	Davao del Sur	C1055	34.815	Livestock WD	m3/day	0.00	0.00	0.00	0.00
291	Davao del Sur	C1060	118.8119	Livestock WD	m3/day	0.00	0.00	0.00	0.00
292	Davao del Norte	C1061	175.0917	Livestock WD	m3/day	0.00	0.00	0.00	0.00
293	Sultan Kudarat	C1066	34.81783	Livestock WD	m3/day	0.00	0.00	0.00	0.00
294	Surigao del Sur	C1076	62.69729	Livestock WD	m3/day	0.00	0.00	0.00	0.00
295	Davao del Sur	C1089	32.81191	Livestock WD	m3/day	0.00	0.00	0.00	0.00
296	Davao del Norte	C1090	46.71531	Livestock WD	m3/day	0.00	0.00	0.00	0.00
297	South Cotabato	C1091	55.88875	Livestock WD	m3/day	243.55	275.94	302.73	320.27
298	Davao del Norte	C1095	98.03562	Livestock WD	m3/day	0.00	0.00	0.00	0.00
299	Davao de Oro	C1097	72.6873	Livestock WD	m3/day	0.00	0.00	0.00	0.00
300	Davao Oriental	C1098	156.3746	Livestock WD	m3/day	0.00	0.00	0.00	0.00
301	Davao Oriental	C1102	69.67336	Livestock WD	m3/day	0.00	0.00	0.00	0.00
302	Davao del Sur	C1110	58.15961	Livestock WD	m3/day	0.00	0.00	0.00	0.00
303	Davao del Sur	C1122	8.649852	Livestock WD	m3/day	0.00	0.00	0.00	0.00
304	Surigao del Sur	C1125	45.87044	Livestock WD	m3/day	25.95	29.40	32.25	34.12
305	Davao del Norte	C1128	62.34763	Livestock WD	m3/day	4.46	5.05	5.54	5.86
306	Davao Oriental	C1135	84.06096	Livestock WD	m3/day	0.00	0.00	0.00	0.00
307	Davao del Sur	C1137	32.65283	Livestock WD	m3/day	0.00	0.00	0.00	0.00
308	Surigao del Sur	C1138	185.7112	Livestock WD	m3/day	0.59	0.67	0.73	0.78
309	Sarangani	C1142	43.44933	Livestock WD	m3/day	94.20	106.73	117.09	123.87
310	Sarangani	C1144	112.621	Livestock WD	m3/day	0.00	0.00	0.00	0.00
311	Davao del Sur	C1150	29.30701	Livestock WD	m3/day	0.00	0.00	0.00	0.00
312	Davao del Norte	C1153	48.17994	Livestock WD	m3/day	0.00	0.00	0.00	0.00
313	Davao del Norte	C1162	32.90693	Livestock WD	m3/day	0.00	0.00	0.00	0.00
314	Davao de Oro	C1164	43.71631	Livestock WD	m3/day	0.00	0.00	0.00	0.00
315	Davao del Sur	C1166	24.38138	Livestock WD	m3/day	0.00	0.00	0.00	0.00
316	Sarangani	C1167	36.70966	Livestock WD	m3/day	189.24	214.41	235.22	248.85
317	Davao del Norte	C1168	26.31975	Livestock WD	m3/day	0.00	0.00	0.00	0.00
318	Davao del Norte	C1175	69.88257	Livestock WD	m3/day	0.00	0.00	0.00	0.00
319	Davao del Norte	C1188	85.29841	Livestock WD	m3/day	0.00	0.00	0.00	0.00
320	Surigao del Sur	C1193	23.91992	Livestock WD	m3/day	29.10	32.97	36.17	38.27
321	Davao del Sur	C1196	45.03775	Livestock WD	m3/day	0.00	0.00	0.00	0.00
322	Davao del Norte	C1198	24.82038	Livestock WD	m3/day	0.00	0.00	0.00	0.00
323	Surigao del Sur	C1200	64.7596	Livestock WD	m3/day	0.00	0.00	0.00	0.00
324	Davao del Sur	C1201	47.71051	Livestock WD	m3/day	0.00	0.00	0.00	0.00
325	South Cotabato	C1204	186.3171	Livestock WD	m3/day	486.96	551.73	605.29	640.35
326	South Cotabato	C1207	70.03181	Livestock WD	m3/day	484.41	548.83	602.12	637.00
327	Surigao del Sur	C1210	22.88679	Livestock WD	m3/day	34.64	39.25	43.06	45.55
328	Davao del Norte	C1211	29.62834	Livestock WD	m3/day	0.00	0.00	0.00	0.00
329	Davao del Norte	C1219	63.57349	Livestock WD	m3/day	0.00	0.00	0.00	0.00
330	Davao del Sur	C1220	77.34076	Livestock WD	m3/day	0.00	0.00	0.00	0.00
331	Davao de Oro	C1223	37.22137	Livestock WD	m3/day	0.00	0.00	0.00	0.00
332	Davao del Norte	C1231	41.63929	Livestock WD	m3/day	7.80	8.84	9.70	10.26
333	Davao del Norte	C1234	86.70908	Livestock WD	m3/day	0.00	0.00	0.00	0.00
334	Davao del Sur	C1235	78.56942	Livestock WD	m3/day	0.00	0.00	0.00	0.00
335	Surigao del Sur	C1236	97.45529	Livestock WD	m3/day	0.00	0.00	0.00	0.00
336	Surigao del Sur	C1237	127.1907	Livestock WD	m3/day	0.00	0.00	0.00	0.00
337	Davao del Norte	C1241	5.707509	Livestock WD	m3/day	0.00	0.00	0.00	0.00
338	Davao del Norte	C1242	26.46247	Livestock WD	m3/day	0.00	0.00	0.00	0.00
339	Davao del Norte	C1246	25.56524	Livestock WD	m3/day	0.00	0.00	0.00	0.00
340	Davao del Norte	C1248	41.13865	Livestock WD	m3/day	14.09	15.97	17.52	18.53
341	Davao del Sur	C1250	121.4997	Livestock WD	m3/day	0.00	0.00	0.00	0.00
342	Surigao del Sur	C1253	15.42415	Livestock WD	m3/day	27.22	30.84	33.83	35.79
343	Davao del Sur	C1256	119.0361	Livestock WD	m3/day	0.00	0.00	0.00	0.00

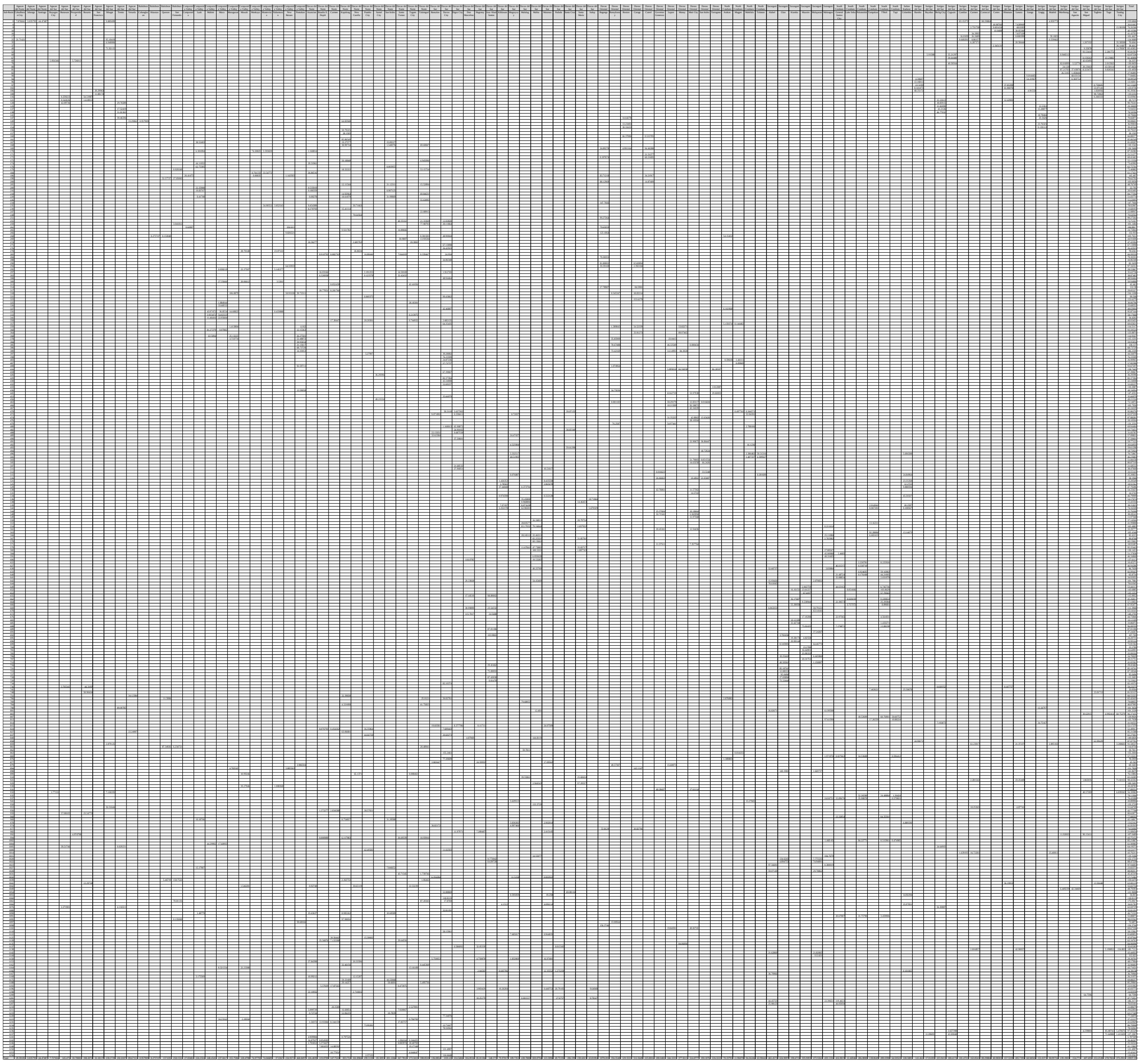
Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

1.2.3 Municipal and Industrial Water Demand

(1) Area [km^2] of Sub-Basin in Municipality

Table DBH-64 Area [km^2] of Sub-Basin in Municipality [WRR-XI]



Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(2) Estimated Municipality-wise Municipal and Industrial Water Demand

Table DBH-65 Estimated Municipality-wise Municipal and Industrial Water Demand (SW+GW=Total) [WRR-XI] (m^3/day)

Source: JICA Survey Team

Table DBH-66 Estimated Municipality-wise Municipal and Industrial Water Demand (SW) [WRR-XI] (m^3/day)

Source: JICA Survey Team

Table DBH-67 Estimated Municipality-wise Municipal and Industrial Water Demand (GW) [WRR-XI] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Agusan del Norte	Cabadbaran City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Norte	Jabonga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Norte	Santiago	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Bayugan City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Bunawan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Prosperidad	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Rosario	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	San Francisco	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Sibagat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Trento	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Agusan del Sur	Veruela	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bukidnon	Cabanglasan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bukidnon	Kitaotao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bukidnon	Quezon	12,761.34	12,830.64	12,899.94	12,969.24	13,038.54	13,107.84	13,177.14	13,246.44	13,315.73	13,385.03	13,454.33	13,523.63	13,592.93	13,662.23	13,731.53	13,800.83	13,870.13	13,939.43	14,008.72	14,078.02	14,147.32	14,216.62	14,285.92	14,355.22	14,424.52	14,493.82	14,563.12	14,632.42	14,701.71	14,771.01	14,840.31	14,909.61	14,978.91	15,048.21	15,117.51	15,186.81	15,256.11	15,325.41	15,394.71	15,464.00	15,533.30	15,350.22	16,102.93	16,206.44	16,827.58	17,222.42	17,412.69	17,372.33
Bukidnon	San Fernando	360.93	362.89	364.85	366.82	368.78	370.74	372.70	374.66	376.62	378.58	380.54	382.50	384.46	386.42	388.38	390.34	392.30	394.26	396.22	398.18	400.14	402.10	404.06	406.02	407.98	409.94	411.90	413.86	415.82	417.78	419.74	421.70	423.66	425.62	427.58	429.54	431.50	433.46	435.42	437.38	439.34	434.16	455.46	458.38	475.96	487.13	492.50	491.36
Compostela Valley	Compostela	154.09	156.21	158.33	160.45	162.57	164.69	166.81	168.93	171.05	173.17	175.29	177.40	179.52	181.64	183.76	185.88	188.00	190.12	192.24	194.36	196.48	198.59	200.71	202.83	204.95	207.07	209.19	211.31	213.43	215.55	217.67	219.79	221.90	224.02	226.14	228.26	230.38	232.50	234.62	236.74	238.86	239.59	271.98	297.34	320.64	334.68	356.09	364.61
Compostela Valley	Laak	277.61	283.38	289.14	294.90	300.66	306.42	312.18	317.94	323.70	329.47	335.23	340.99	346.75	352.51	358.27	364.03	369.79	375.56	381.32	387.08	392.84	398.60	404.36	410.12	415.89	421.65	427.41	433.17	438.93	444.69	450.45	456.21	461.98	467.74	473.50	479.26	485.02	490.78	496.54	502.30	508.07	516.91	540.23	577.31	615.38	643.52	672.66	685.53
Compostela Valley	Mabini	105.04	109.41	113.79	118.16	122.53	126.90	131.28	135.65	140.02	144.39	148.76	153.14	157.51	161.88	166.25	170.62	175.00	179.37	183.74	188.11	192.49	196.86	201.23	205.60	209.97	214.35	218.72	223.09	227.46	231.84	236.21	240.58	244.95	249.32	253.70	258.07	262.44	266.81	271.18	275.56	279.93	282.31	294.87	315.11	335.89	351.25	367.14	374.17
Compostela Valley	Maco	254.81	261.94	269.07	276.20	283.33	290.46	297.60	304.73	311.86	318.99	326.12	333.25	340.38	347.52	354.65	361.78	368.91	376.04	383.17	390.31	397.44	404.57	411.70	418.83	425.96	433.10	440.23	447.36	454.49	461.62	468.75	475.89	483.02	490.15	497.28	504.41	511.54	518.67	525.81	532.94	540.07	539.55	562.91	601.53	641.21	670.53	700.88	714.30
Compostela Valley	Maragusan	182.66	188.44	194.21	199.99	205.76	211.54	217.31	223.09	228.86	234.64	240.41	246.19	251.96	257.74	263.51	269.29	275.06	280.84	286.61	292.39	298.16	303.94	309.71	315.49	321.26	327.04	332.81	338.59	344.36	350.14	355.91	361.69	367.46	373.24	379.01	384.79	390.56	396.34	402.11	407.89	413.66	417.52	436.08	466.00	496.74	519.46	542.97	553.36
Compostela Valley	Mawab	151.07	153.62	156.17	158.72	161.27	163.82	166.37	168.92	171.47	174.02	176.56	179.11	181.66	184.21	186.76	189.31	191.86	194.41	196.96	199.51	202.06	204.61	207.16	209.71	212.26	214.81	217.36	219.90	222.45	225.00	227.55	230.10	232.65	235.20	237.75	240.30	242.85	245.40	247.95	250.50	253.05	256.89	268.40	286.82	305.73	319.72	334.19	340.60
Compostela Valley	Monkayo	260.58	260.35	260.11	259.87	259.63	259.40	259.16	258.92	258.68	258.45	258.21	257.97	257.74	257.50	257.26	257.02	256.79	256.55	256.31	256.08	255.84	255.60	255.36	255.13	254.89	254.65	254.41	254.18	253.94	253.70	253.47	253.23	252.99	252.75	252.52	252.28	252.04	251.81	251.57	251.33	251.09	250.39	295.10	322.62	347.90	363.13	386.35	395.59
Compostela Valley	Montevista	118.28	122.79	127.30	131.81	136.31	140.82	145.33	149.84	154.35	158.86	163.37	167.88	172.39	176.90	181.40	185.91	190.42	194.93	199.44	203.95	208.46	212.97	217.48	221.98	226.49	231.00	235.51	240.02	244.53	249.04	253.55	258.06	262.57	267.07	271.58	276.09	280.60	285.11	289.62	294.13	298.64	301.79	315.28	336.91	359.13	375.56	392.55	400.06
Compostela Valley	Nabunturan	106.10	109.07	112.04	115.01	117.98	120.95	123.92	126.89	129.86	132.83	135.80	138.77	141.75	144.72	147.69	150.66	153.63	156.60	159.57	162.54	165.51	168.48	171.45	174.42	177.39	180.36	183.33	186.30	189.27	192.24	195.21	198.18	201.15	204.12	207.09	210.07	213.04	216.01	218.98	221.95	224.92	224.81	255.69	279.53	301.44	314.64	334.76	342.77
Compostela Valley	New Bataan	223.64	226.23	228.82	231.41	234.00	236.59	239.18	241.78	244.37	246.96	249.55	252.14	254.73	257.32	259.91	262.50	265.09	267.68	270.27	272.86	275.45	278.04	280.63	283.22	285.81	288.40	290.99	293.58	296.17	298.76	301.35	303.94	306.53	309.12	311.71	314.30	316.89	319.48	322.07	324.66	327.25	333.61	348.65	372.58	397.15	415.31	434.11	442.42
Compostela Valley	Pantukan	279.13	286.73	294.33	301.92	309.52	317.12	324.71	332.31	339.90	347.50	355.10	362.69	370.29	377.89	385.48	393.08	400.68	408.27	415.87	423.46	431.06	438.66	446.25	453.85	461.45	469.04	476.64	484.24	491.83	499.43	507.02	514.62	522.22	529.81	537.41	545.01	552.60	560.20	567.80	575.39	582.99	588.48	614.61	656.77	700.08	732.10	765.23	779.88
Davao del Norte	Asuncion	7,430.96	7,489.22	7,547.47	7,605.72	7,663.98	7,722.23	7,780.48	7,838.73	7,896.99	7,955.24	8,013.49	8,071.74	8,130.00	8,188.25	8,246.50	8,304.76	8,363.01	8,421.26	8,479.51	8,537.77	8,596.02	8,654.27	8,712.53	8,770.78	8,829.03	8,887.28	8,945.54	9,003.79	9,062.04	9,120.29	9,178.55	9,236.80	9,295.05	9,353.31	9,411.56	9,469.81	9,528.06	9,586.32	9,644.57	9,702.82	9,761.08	9,917.28	10,204.96	10,140.15	10,631.40	11,035.50	11,345.85	11,576.70
Davao del Norte	Braulio E. Dujali	184.67	186.11	187.56	189.01	190.46	191.91	193.35	194.80	196.25	197.70	199.14	200.59	202.04	203.49	204.93	206.38	207.83	209.28	210.73	212.17	213.62	215.07	216.52	217.96	219.41	220.86	222.31	223.76	225.20	226.65	228.10	229.55	230.99	232.44	233.89	235.34	236.78	238.23	239.68	241.13	242.58	246.46	253.60	252.00	264.21	274.24	281.96	287.70
Davao del Norte	Carmen	422.93	426.24	429.56	432.87	436.19	439.50	442.82	446.14	449.45	452.77	456.08	459.40	462.71	466.03	469.34	472.66	475.97	479.29	482.60	485.92	489.24	492.55	495.87	499.18	502.50	505.81	509.13	512.44	515.76	519.07	522.39	525.70	529.02	532.34	535.65	538.97	542.28	545.60	548.91	552.23	555.54	564.43	580.81	577.12	605.08	628.07	645.74	658.88
Davao del Norte	Kapalong	9,738.91	9,815.26	9,891.60	9,967.95	10,044.30	10,120.64	10,196.99	10,273.34	10,349.68	10,426.03	10,502.38	10,578.72	10,655.07	10,731.41	10,807.76	10,884.11	10,960.45	11,036.80	11,113.15	11,189.49	11,265.84	11,342.19	11,418.53	11,494.88	11,571.23	11,647.57	11,723.92	11,800.27	11,876.61	11,952.96	12,029.31	12,105.65	12,182.00	12,258.34	12,334.69	12,411.04	12,487.38	12,563.73	12,640.08	12,716.42	12,792.77	12,997.44	13,374.56	13,289.55	13,933.50	14,463.00	14,869.95	15,172.20
Davao del Norte	New Corella	6,956.13	7,010.66	7,065.18	7,119.71	7,174.24	7,228.76	7,283.29	7,337.81	7,392.34	7,446.86	7,501.39	7,555.91	7,610.44	7,664.96	7,719.49	7,774.01	7,828.54	7,883.06	7,937.59	7,992.11	8,046.64	8,101.17	8,155.69	8,210.22	8,264.74	8,319.27	8,373.79	8,428.32	8,482.84	8,537.37	8,591.89	8,646.42	8,700.94	8,755.47	8,809.99	8,864.52	8,919.04	8,973.57	9,028.09	9,082.62	9,137.15	9,283.36	9,552.64	9,492.00	9,951.75	10,329.90	10,620.60	10,836.60
Davao del Norte	Panabo City	2,159.92	2,176.85	2,193.79	2,210.72	2,227.65	2,244.58	2,261.51	2,278.44	2,295.37	2,312.31	2,329.24	2,346.17	2,363.10	2,380.03	2,396.96	2,413.90	2,430.83	2,447.76	2,464.69	2,481.62	2,498.55	2,515.49	2,532.42	2,549.35	2,566.28	2,583.21	2,600.14	2,617.08	2,634.01	2,650.94	2,667.87	2,684.80	2,701.73	2,718.67	2,735.60	2,752.53	2,769.46	2,786.39	2,803.32	2,820.26	2,837.19	2,882.59	2,966.20	2,947.37	3,090.16	3,207.58	3,297.83	3,364.91
Davao del Norte	Samal City	145.80	146.95	148.09	149.23	150.37	151.52	152.66	153.80	154.95	156.09	157.23	158.37	159.52	160.66	161.80	162.95	164.09	165.23	166.37	167.52	168.66	169.80	170.94	172.09	173.23	174.37	175.52	176.66	177.80	178.94	180.09	181.23	182.37	183.52	184.66	185.80	186.94	188.09	189.23	190.37	191.52	194.58	200.22	198.96	208.59	216.52	222.61	227.13
Davao del Norte	San Isidro	140.10	141.20	142.30	143.39	144.49	145.59	146.69	147.79	148.88	149.98	151.08	152.18	153.28	154.37	155.47	156.57	157.67	158.77	159.86	160.96	162.06	163.16	164.26	165.35	166.45	167.55	168.65	169.75	170.84	171.94	173.04	174.14	175.23	176.33	177.43	178.53	179.63	180.72	181.82	182.92	184.02	186.96	192.38	191.16	200.42	208.05	213.89	218.23
Davao del Norte	Santo Tomas	1,326.38	1,336.77	1,347.17	1,357.57	1,367.97	1,378.36	1,388.76	1,399.16	1,409.55	1,419.95	1,430.35	1,440.75	1,451.14	1,461.54	1,471.94	1,482.34	1,492.73	1,503.13	1,513.53	1,523.92	1,534.32	1,544.72	1,555.12	1,565.51	1,575.91	1,586.31	1,596.71	1,607.10	1,617.50	1,627.90	1,638.29	1,648.69	1,659.09	1,669.49	1,679.88	1,690.28	1,700.68	1,711.08	1,721.47	1,731.87	1,742.27	1,770.15	1,821.50	1,809.92	1,897.61	1,969.72	2,025.14	2,066.33
Davao del Norte	Tagum City	9,530.85	9,605.56	9,680.27	9,754.98	9,829.69	9,904.39	9,979.10	10,053.81	10,128.52	10,203.23	10,277.94	10,352.65	10,427.36	10,502.07	10,576.78	10,651.49	10,726.20	10,800.91	10,875.62	10,950.33	11,025.04	11,099.75	11,174.46	11,249.17	11,323.88	11,398.59	11,473.30	11,548.01	11,622.72	11,697.43	11,772.14	11,846.85	11,921.56	11,996.27	12,070.98	12,145.68	12,220.39	12,295.10	12,369.81	12,444.52	12,519.23	12,719.57	13,088.56	13,005.38	13,635.42	14,153.58	14,551.81	14,847.79
Davao del Norte	Talaingod	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Davao del Sur	Bansalan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Davao del Sur	Davao City	61,510.72	78,533.22	95,555.71	112,578.20	129,600.69	146,623.18	163,645.68	180,668.17	197,690.66	214,713.15	231,735.64	248,758.14	265,780.63	282,803.12	299,825.61	316,848.10	333,870.60	350,893.09	367,915.58	384,938.07	401,960.57	418,983.06	436,005.55	453,028.04	470,050.53	487,073.03	504,095.52	521,118.01	538,140.50	555,162.99	572,185.49	589,207.98	606,230.47	623,252.96	640,275.45	657,297.95	674,320.44	691,342.93	708,365.42	725,387.92	742,410.41	792,971.22	840,195.05	923,690.23	974,768.07	1,079,992.26	1,189,174.77	1,302,600.36
Davao del Sur	Digos City	31,739.93	32,470.21	33,200.49	33,930.76	34,661.04	35,391.32	36,121.60	36,851.88	37,582.16	38,312.44	39,042.72	39,773.00	40,503.28	41,233.56	41,963.84	42,694.12	43,424.40	44,154.68	44,884.96	45,615.24	46,345.51	47,075.79	47,806.07	48,536.35	49,266.63	49,996.91	50,727.19	51,457.47	52,187.75	52,918.03	53,648.31	54,378.59	55,108.87	55,839.15	56,569.43	57,299.71	58,029.99	58,760.27	59,490.54	60,220.82	60,951.10	60,493.44	67,446.08	68,018.40	72,515.10	76,576.80	80,144.40	83,254.80
Davao del Sur	Don Marcelino	161.06	164.64	168.22	171.80	175.38	178.96	182.54	186.12	189.71	193.29	196.87	200.45	204.03	207.61	211.19	214.77	218.35	221.93	225.52	229.10	232.68	236.26	239.84	243.42	247.00	250.58	254.16	257.75	261.33	264.91	268.49	272.07	275.65	279.23	282.81	286.39	289.98	293.56	297.14	300.72	304.30	312.66	328.89	334.08	358.30	380.35	399.92	416.99
Davao del Sur	Hagonoy	115.15	117.80	120.45	123.10	125.75	128.40	131.05	133.70	136.35	139.00	141.65	144.30	146.95	149.60	152.25	154.90	157.55	160.20	162.84	165.49	168.14	170.79	173.44	176.09	178.74	181.39	184.04	186.69	189.34	191.99	194.64	197.29	199.94	202.59	205.24	207.89	210.54	213.19	215.83	218.48	221.13	219.47	244.70	246.77	263.09	277.83	290.77	302.05
Davao del Sur	Jose Abad Santos	258.96	264.71	270.47	276.23	281.99	287.75	293.50	299.26	305.02	310.78	316.53	322.29	328.05	333.81	339.56	345.32	351.08	356.84	362.60	368.35	374.11	379.87	385.63	391.38	397.14	402.90	408.66	414.41	420.17	425.93	431.69	437.45	443.20	448.96	454.72	460.48	466.23	471.99	477.75	483.51	489.26	502.70	528.79	537.14	576.08	611.54	643.01	670.45
Davao del Sur	Kiblawan	177.80	181.89	185.98	190.07	194.17	198.26	202.35	206.44	210.53	214.62	218.71	222.80	226.89	230.99	235.08	239.17	243.26	247.35	251.44	255.53	259.62	263.71	267.81	271.90	275.99	280.08	284.17	288.26	292.35	296.44	300.53	304.63	308.72	312.81	316.90	320.99	325.08	329.17	333.26	337.35	341.45	338.88	377.83	381.04	406.23	428.99	448.97	466.39
Davao del Sur	Magsaysay	866.44	886.37	906.31	926.24	946.18	966.12	986.05	1,005.99	1,025.93	1,045.86	1,065.80	1,085.74	1,105.67	1,125.61	1,145.55	1,165.48	1,185.42	1,205.35	1,225.29	1,245.23	1,265.16	1,285.10	1,305.04	1,324.97	1,344.91	1,364.85	1,384.78	1,404.72	1,424.66	1,444.59	1,464.53	1,484.46	1,504.40	1,524.34	1,544.27	1,564.21	1,584.15	1,604.08	1,624.02	1,643.96	1,663.89	1,651.40	1,841.20	1,856.83	1,979.59	2,090.46	2,187.86	2,272.79
Davao del Sur	Malalag	3,375.42	3,453.08	3,530.74	3,608.41	3,686.07	3,763.73	3,841.40	3,919.06	3,996.72	4,074.38	4,152.05	4,229.71	4,307.37	4,385.03	4,462.70	4,540.36	4,618.02	4,695.69	4,773.35	4,851.01	4,928.67	5,006.34	5,084.00	5,161.66	5,239.32	5,316.99	5,394.65	5,472.31	5,549.98	5,627.64	5,705.30	5,782.96	5,860.63	5,938.29	6,015.95	6,093.61	6,171.28	6,248.94	6,326.60	6,404.27	6,481.93	6,433.28	7,172.64	7,233.45	7,711.80	8,143.65	8,523.00	8,853.90
Davao del Sur	Malita	7,809.21	7,982.84	8,156.48	8,330.12	8,503.75	8,677.39	8,851.03	9,024.66	9,198.30	9,371.94	9,545.57	9,719.21	9,892.85	10,066.48	10,240.12	10,413.76	10,587.39	10,761.03	10,934.67	11,108.30	11,281.94	11,455.58	11,629.21	11,802.85	11,976.49	12,150.12	12,323.76	12,497.40	12,671.03	12,844.67	13,018.31	13,191.94	13,365.58	13,539.21	13,712.85	13,886.49	14,060.12	14,233.76	14,407.40	14,581.03	14,754.67	15,159.82	15,946.71	16,198.59	17,372.84	18,442.25	19,391.08	20,218.72
Davao del Sur	Matanao	5,089.41	5,206.50	5,323.60	5,440.69	5,557.79	5,674.88	5,791.98	5,909.08	6,026.17	6,143.27	6,260.36	6,377.46	6,494.55	6,611.65	6,728.74	6,845.84	6,962.93	7,080.03	7,197.12	7,314.22	7,431.31	7,548.41	7,665.50	7,782.60	7,899.70	8,016.79	8,133.89	8,250.98	8,368.08	8,485.17	8,602.27	8,719.36	8,836.46	8,953.55	9,070.65	9,187.74	9,304.84	9,421.93	9,539.03	9,656.12	9,773.22	9,699.84	10,814.72	10,906.35	11,627.40	12,278.70	12,850.65	13,349.55
Davao del Sur	Padada	484.13	495.28	506.42	517.56	528.71	539.85	550.99	562.13	573.28	584.42	595.56	606.70	617.85	628.99	640.13	651.27	662.42	673.56	684.70	695.84	706.99	718.13	729.27	740.41	751.56	762.70	773.84	784.99	796.13	807.27	818.41	829.56	840.70	851.84	862.98	874.13	885.27	896.41	907.55	918.70	929.84	922.86	1,028.92	1,037.68	1,106.28	1,168.27	1,222.67	1,270.15
Davao del Sur	Santa Cruz	730.55	747.36	764.17	780.98	797.79	814.60	831.40	848.21	865.02	881.83	898.64	915.45	932.26	949.07	965.87	982.68	999.49	1,016.30	1,033.11	1,049.92	1,066.73	1,083.53	1,100.34	1,117.15	1,133.96	1,150.77	1,167.58	1,184.39	1,201.20	1,218.00	1,234.81	1,251.62	1,268.43	1,285.24	1,302.05	1,318.86	1,335.66	1,352.47	1,369.28	1,386.09	1,402.90	1,392.37	1,552.39	1,565.56	1,669.06	1,762.56	1,844.66	1,916.26
Davao del Sur	Santa Maria	203.76	208.29	212.82	217.35	221.89	226.42	230.95	235.48	240.01	244.54	249.07	253.60	258.13	262.66	267.19	271.72	276.26	280.79	285.32	289.85	294.38	298.91	303.44	307.97	312.50	317.03	321.56	326.09	330.63	335.16	339.69	344.22	348.75	353.28	357.81	362.34	366.87	371.40	375.93	380.46	385.00	395.57	416.10	422.67	453.31	481.22	505.98	527.57
Davao del Sur	Sulop	126.72	129.63	132.55	135.47	138.38	141.30	144.21	147.13	150.04	152.96	155.87	158.79	161.70	164.62	167.54	170.45	173.37	176.28	179.20	182.11	185.03	187.94	190.86	193.78	196.69	199.61	202.52	205.44	208.35	211.27	214.18	217.10	220.01	222.93	225.85	228.76	231.68	234.59	237.51	240.42	243.34	241.51	269.27	271.55	289.50	305.72	319.97	332.39
Davao Oriental	Baganga	210.92	215.48	220.04	224.60	229.16	233.72	238.28	242.84	247.40	251.96	256.52	261.08	265.64	270.20	274.76	279.32	283.88	288.44	293.00	297.56	302.12	306.68	311.24	315.80	320.36	324.92	329.48	334.04	338.60	343.16	347.72	352.28	356.84	361.40	365.96	370.52	375.08	379.64	384.20	388.76	393.32	403.39	425.47	430.90	461.75	490.58	515.74	536.12
Davao Oriental	Banaybanay	3,279.62	3,350.53	3,421.45	3,492.36	3,563.28	3,634.19	3,705.11	3,776.02	3,846.93	3,917.85	3,988.76	4,059.68	4,130.59	4,201.51	4,272.42	4,343.34	4,414.25	4,485.16	4,556.08	4,626.99	4,697.91	4,768.82	4,839.74	4,910.65	4,981.57	5,052.48	5,123.39	5,194.31	5,265.22	5,336.14	5,407.05	5,477.97	5,548.88	5,619.80	5,690.71	5,761.62	5,832.54	5,903.45	5,974.37	6,045.28	6,116.20	6,272.74	6,616.29	6,700.62	7,180.52	7,628.75	8,019.97	8,336.91
Davao Oriental	Boston	52.56	53.70	54.83	55.97	57.11	58.24	59.38	60.52	61.66	62.79	63.93	65.07	66.20	67.34	68.48	69.61	70.75	71.89	73.02	74.16	75.30	76.43	77.57	78.71	79.84	80.98	82.12	83.25	84.39	85.53	86.66	87.80	88.94	90.07	91.21	92.35	93.48	94.62	95.76	96.89	98.03	100.54	106.05	107.40	115.09	122.28	128.55	133.63
Davao Oriental	Caraga	3,319.59	3,391.35	3,463.12	3,534.89	3,606.66	3,678.43	3,750.20	3,821.96	3,893.73	3,965.50	4,037.27	4,109.04	4,180.81	4,252.57	4,324.34	4,396.11	4,467.88	4,539.65	4,611.42	4,683.18	4,754.95	4,826.72	4,898.49	4,970.26	5,042.02	5,113.79	5,185.56	5,257.33	5,329.10	5,400.87	5,472.63	5,544.40	5,616.17	5,687.94	5,759.71	5,831.48	5,903.24	5,975.01	6,046.78	6,118.55	6,190.32	6,348.80	6,696.32	6,781.80	7,267.50	7,721.10	8,116.95	8,437.80
Davao Oriental	Cateel	159.00	162.44	165.88	169.32	172.76	176.19	179.63	183.07	186.51	189.95	193.38	196.82	200.26	203.70	207.14	210.57	214.01	217.45	220.89	224.33	227.76	231.20	234.64	238.08	241.51	244.95	248.39	251.83	255.27	258.70	262.14	265.58	269.02	272.46	275.89	279.33	282.77	286.21	289.65	293.08	296.52	304.11	320.76	324.86	348.12	369.85	388.82	404.19
Davao Oriental	Governor Generoso	215.43	220.08	224.74	229.40	234.06	238.72	243.37	248.03	252.69	257.35	262.00	266.66	271.32	275.98	280.64	285.29	289.95	294.61	299.27	303.92	308.58	313.24	317.90	322.56	327.21	331.87	336.53	341.19	345.84	350.50	355.16	359.82	364.47	369.13	373.79	378.45	383.11	387.76	392.42	397.08	401.74	412.02	434.58	440.13	471.64	501.08	526.78	547.60
Davao Oriental	Lupon	5,606.45	5,727.68	5,848.91	5,970.14	6,091.37	6,212.60	6,333.83	6,455.07	6,576.30	6,697.53	6,818.76	6,939.99	7,061.22	7,182.45	7,303.68	7,424.91	7,546.14	7,667.37	7,788.60	7,909.83	8,031.06	8,152.29	8,273.52	8,394.75	8,515.98	8,637.21	8,758.44	8,879.67	9,000.90	9,122.13	9,243.36	9,364.59	9,485.82	9,607.05	9,728.29	9,849.52	9,970.75	10,091.98	10,213.21	10,334.44	10,455.67	10,723.36	11,310.56	11,454.75	12,275.10	13,041.30	13,710.30	14,252.10
Davao Oriental	Manay	141.55	144.61	147.67	150.73	153.79	156.85	159.91	162.97	166.04	169.10	172.16	175.22	178.28	181.34	184.40	187.46	190.52	193.58	196.64	199.70	202.76	205.82	208.88	211.94	215.00	218.06	221.12	224.18	227.24	230.30	233.36	236.42	239.48	242.55	245.61	248.67	251.73	254.79	257.85	260.91	263.97	270.73	285.55	289.19	309.89	329.24	346.13	359.81
Davao Oriental	Mati City	1,060.07	1,082.99	1,105.91	1,128.83	1,151.75	1,174.67	1,197.59	1,220.51	1,243.43	1,266.35	1,289.27	1,312.19	1,335.11	1,358.03	1,380.96	1,403.88	1,426.80	1,449.72	1,472.64	1,495.56	1,518.48	1,541.40	1,564.32	1,587.24	1,610.16	1,633.08	1,656.00	1,678.92	1,701.84	1,724.76	1,747.68	1,770.60	1,793.52	1,816.44	1,839.37	1,862.29	1,885.21	1,908.13	1,931.05	1,953.97	1,976.89	2,027.50	2,138.50	2,165.79	2,320.89	2,465.75	2,592.22	2,694.66
Davao Oriental	San Isidro	2,808.95	2,869.70	2,930.45	2,991.19	3,051.94	3,112.69	3,173.44	3,234.19	3,294.93	3,355.68	3,416.43	3,477.18	3,537.93	3,598.67	3,659.42	3,720.17	3,780.92	3,841.67	3,902.41	3,963.16	4,023.91	4,084.66	4,145.41	4,206.15	4,266.90	4,327.65	4,388.40	4,449.15	4,509.89	4,570.64	4,631.39	4,692.14	4,752.89	4,813.63	4,874.38	4,935.13	4,995.88	5,056.63	5,117.37	5,178.12	5,238.87	5,372.96	5,667.20	5,739.60	6,150.60	6,534.60	6,869.70	7,141.20
Davao Oriental	Tarragona	96.91	99.01	101.10	103.20	105.29	107.39	109.49	111.58	113.68	115.78	117.87	119.97	122.06	124.16	126.26	128.35	130.45	132.54	134.64	136.74	138.83	140.93	143.03	145.12	147.22	149.31	151.41	153.51	155.60	157.70	159.79	161.89	163.99	166.08	168.18	170.28	172.37	174.47	176.56	178.66	180.76	185.38	195.54	198.03	212.21	225.47	237.03	246.40
North Cotabato	Arakan	21.16	22.75	24.35	25.95	27.55	29.14	30.74	32.34	33.94	35.54	37.13	38.73	40.33	41.93	43.53	45.12	46.72	48.32	49.92	51.52	53.11	54.71	56.31	57.91	59.50	61.10	62.70	64.30	65.90	67.49	69.09	70.69	72.29	73.89	75.48	77.08	78.68	80.28	81.87	83.47	85.07	86.80	86.48	86.10	85.85	85.88	85.44	85.51
North Cotabato	Magpet	615.39	650.56	685.73	720.90	756.07	791.24	826.41	861.58	896.75	931.92	967.09	1,002.26	1,037.43	1,072.60	1,107.77	1,142.94	1,178.11	1,213.28	1,248.45	1,283.62	1,318.79	1,353.96	1,389.13	1,424.30	1,459.47	1,494.64	1,529.81	1,564.98	1,600.15	1,635.32	1,670.49	1,705.66	1,740.83	1,776.00	1,811.17	1,846.34	1,881.51	1,916.68	1,951.85	1,987.02	2,022.19	2,065.18	2,057.72	2,048.60	2,042.76	2,043.43	2,032.87	2,034.70
North Cotabato	Makilala	321.21	337.80	354.38	370.96	387.54	404.13	420.71	437.29	453.87	470.46	487.04	503.62	520.20	536.79	553.37	569.95	586.53	603.12	619.70	636.28	652.86	669.45	686.03	702.61	719.19	735.78	752.36	768.94	785.52	802.11	818.69	835.27	851.85	868.44	885.02	901.60	918.18	934.77	951.35	967.93	984.51	1,005.82	1,002.19	997.74	994.89	995.22	990.07	990.96
North Cotabato	Tulunan	49.41	50.65	51.90	53.15	54.39	55.64	56.89	58.13	59.38	60.62	61.87	63.12	64.36	65.61	66.86	68.10	69.35	70.60	71.84	73.09	74.34	75.58	76.83	78.08	79.32	80.57	81.82	83.06	84.31	85.55	86.80	88.05	89.29	90.54	91.79	93.03	94.28	95.53	96.77	98.02	99.27	101.71	101.34	100.89	100.60	100.64	100.11	100.20
Sarangani	Alabel	8,602.61	8,689.39	8,776.16	8,862.94	8,949.71	9,036.49	9,123.26	9,210.04	9,296.81	9,383.59	9,470.36	9,557.14	9,643.91	9,730.69	9,817.46	9,904.24	9,991.01	10,077.79	10,164.56	10,251.33	10,338.11	10,424.88	10,511.66	10,598.43	10,685.21	10,771.98	10,858.76	10,945.53	11,032.31	11,119.08	11,205.86	11,292.63	11,379.41	11,466.18	11,552.96	11,639.73	11,726.51	11,813.28	11,900.06	11,986.83	12,073.61	12,092.50	12,737.46	12,793.30	13,506.99	14,082.20	14,452.74	14,568.83
Sarangani	Glan	1,066.28	1,077.04	1,087.79	1,098.55	1,109.30	1,120.06	1,130.81	1,141.57	1,152.32	1,163.08	1,173.84	1,184.59	1,195.35	1,206.10	1,216.86	1,227.61	1,238.37	1,249.12	1,259.88	1,270.64	1,281.39	1,292.15	1,302.90	1,313.66	1,324.41	1,335.17	1,345.92	1,356.68	1,367.43	1,378.19	1,388.95	1,399.70	1,410.46	1,421.21	1,431.97	1,442.72	1,453.48	1,464.23	1,474.99	1,485.74	1,496.50	1,498.84	1,578.79	1,585.71	1,674.15	1,745.46	1,791.39	1,805.78
Sarangani	Kiamba	321.82	325.07	328.31	331.56	334.80	338.05	341.30	344.54	347.79	351.03	354.28	357.53	360.77	364.02	367.26	370.51	373.75	377.00	380.25	383.49	386.74	389.98	393.23	396.47	399.72	402.97	406.21	409.46	412.70	415.95	419.19	422.44	425.69	428.93	432.18	435.42	438.67	441.91	445.16	448.41	451.65	452.36	476.49	478.57	505.26	526.78	540.64	544.98
Sarangani	Maasim	317.87	321.08	324.28	327.49	330.69	333.90	337.11	340.31	343.52	346.73	349.93	353.14	356.35	359.55	362.76	365.96	369.17	372.38	375.58	378.79	382.00	385.20	388.41	391.62	394.82	398.03	401.23	404.44	407.65	410.85	414.06	417.27	420.47	423.68	426.89	430.09	433.30	436.50	439.71	442.92	446.12	446.82	470.65	472.72	499.08	520.35	534.04	538.32
Sarangani	Malapatan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sarangani	Malungon	1,030.14	1,040.53	1,050.92	1,061.31	1,071.70	1,082.08	1,092.47	1,102.86	1,113.25	1,123.64	1,134.03	1,144.41	1,154.80	1,165.19	1,175.58	1,185.97	1,196.35	1,206.74	1,217.13	1,227.52	1,237.91	1,248.30	1,258.68	1,269.07	1,279.46	1,289.85	1,300.24	1,310.63	1,321.01	1,331.40	1,341.79	1,352.18	1,362.57	1,372.96	1,383.34	1,393.73	1,404.12	1,414.51	1,424.90	1,435.29	1,445.67	1,447.92	1,525.16	1,531.84	1,617.27	1,686.14	1,730.49	1,744.38
South Cotabato	General Santos City	264,339.82	266,626.38	268,912.94	271,199.50	273,486.06	275,772.62	278,059.18	280,345.75	282,632.31	284,918.87	287,205.43	289,491.99	291,778.55	294,065.11	296,351.67	298,638.23	300,924.79	303,211.35	305,497.91	307,784.47	310,071.03	312,357.59	314,644.15	316,930.71	319,217.27	321,503.83	323,790.39	326,076.95	328,363.51	330,650.07	332,936.63	335,223.19	337,509.75	339,796.31	342,082.87	344,369.43	346,655.99	348,942.55	351,229.11	353,515.67	355,802.23	355,398.08	368,060.55	383,860.80	396,101.45	404,658.23	414,257.40	424,373.85
South Cotabato	Lake Sebu	4,103.64	4,091.81	4,079.97	4,068.13	4,056.29	4,044.45	4,032.61	4,020.77	4,008.94	3,997.10	3,985.26	3,973.42	3,961.58	3,949.74	3,937.91	3,926.07	3,914.23	3,902.39	3,890.55	3,878.71	3,866.87	3,855.04	3,843.20	3,831.36	3,819.52	3,807.68	3,795.84	3,784.01	3,772.17	3,760.33	3,748.49	3,736.65	3,724.81	3,712.97	3,701.14	3,689.30	3,677.46	3,665.62	3,653.78	3,641.94	3,630.10	3,611.54	3,560.77	3,503.93	3,442.68	3,389.45	3,316.12	3,260.34
South Cotabato	Polomolok	14,977.03	15,183.05	15,389.06	15,595.08	15,801.09	16,007.11	16,213.12	16,419.13	16,625.15	16,831.16	17,037.18	17,243.19	17,449.21	17,655.22	17,861.24	18,067.25	18,273.26	18,479.28	18,685.29	18,891.31	19,097.32	19,303.34	19,509.35	19,715.37	19,921.38	20,127.39	20,333.41	20,539.42	20,745.44	20,951.45	21,157.47	21,363.48	21,569.50	21,775.51	21,981.52	22,187.54	22,393.55	22,599.57	22,805.58	23,011.60	23,217.61	23,351.46	24,864.73	24,977.47	26,461.21	27,735.14	28,752.39	29,454.47
South Cotabato	Tampakan	1,854.87	1,849.52	1,844.17	1,838.82	1,833.47	1,828.12	1,822.77	1,817.42	1,812.07	1,806.72	1,801.37	1,796.03	1,790.68	1,785.33	1,779.98	1,774.63	1,769.28	1,763.93	1,758.58	1,753.23	1,747.88	1,742.53	1,737.18	1,731.83	1,726.48	1,721.13	1,715.78	1,710.43	1,705.08	1,699.73	1,694.38	1,689.03	1,683.68	1,678.33	1,672.98	1,667.63	1,662.28	1,656.93	1,651.58	1,646.23	1,640.88	1,632.48	1,609.55	1,583.87	1,556.19	1,532.14	1,498.98	1,473.78
South Cotabato	T'Boli	892.19	904.46	916.73	929.01	941.28	953.55	965.82	978.10	990.37	1,002.64	1,014.91	1,027.19	1,039.46	1,051.73	1,064.00	1,076.28	1,088.55	1,100.82	1,113.10	1,125.37	1,137.64	1,149.91	1,162.19	1,174.46	1,186.73	1,199.00	1,211.28	1,223.55	1,235.82	1,248.09	1,260.37	1,272.64	1,284.91	1,297.18	1,309.46	1,321.73	1,334.00	1,346.27	1,358.55	1,370.82	1,383.09	1,391.07	1,481.22	1,487.92	1,576.32	1,652.21	1,712.81	1,754.64
South Cotabato	Tupi	2,462.94	2,455.83	2,448.73	2,441.63	2,434.52	2,427.42	2,420.31	2,413.21	2,406.11	2,399.00	2,391.90	2,384.79	2,377.69	2,370.58	2,363.48	2,356.38	2,349.27	2,342.17	2,335.06	2,327.96	2,320.86	2,313.75	2,306.65	2,299.54	2,292.44	2,285.33	2,278.23	2,271.13	2,264.02	2,256.92	2,249.81	2,242.71	2,235.61	2,228.50	2,221.40	2,214.29	2,207.19	2,200.09	2,192.98	2,185.88	2,178.77	2,167.62	2,137.17	2,103.06	2,066.30	2,034.37	1,990.35	1,956.87
Sultan Kudarat	Columbio	1,427.56	1,424.57	1,421.59	1,418.60	1,415.62	1,412.63	1,409.64	1,406.66	1,403.67	1,400.69	1,397.70	1,394.71	1,391.73	1,388.74	1,385.76	1,382.77	1,379.78	1,376.80	1,373.81	1,370.83	1,367.84	1,364.85	1,361.87	1,358.88	1,355.90	1,352.91	1,349.92	1,346.94	1,343.95	1,340.97	1,337.98	1,335.00	1,332.01	1,329.02	1,326.04	1,323.05	1,320.07	1,317.08	1,314.09	1,311.11	1,308.12	1,328.26	1,277.93	1,264.91	1,251.43	1,241.88	1,228.44	1,229.58
Surigao del Sur	Barobo	4,335.72	4,432.13	4,528.53	4,624.94	4,721.35	4,817.76	4,914.17	5,010.58	5,106.99	5,203.39	5,299.80	5,396.21	5,492.62	5,589.03	5,685.44	5,781.84	5,878.25	5,974.66	6,071.07	6,167.48	6,263.89	6,360.29	6,456.70	6,553.11	6,649.52	6,745.93	6,842.34	6,938.75	7,035.15	7,131.56	7,227.97	7,324.38	7,420.79	7,517.20	7,613.60	7,710.01	7,806.42	7,902.83	7,999.24	8,095.65	8,192.06	8,522.56	8,824.32	8,939.10	9,581.40	10,198.20	10,775.25	11,301.30
Surigao del Sur	Bayabas	31.44	32.14	32.84	33.54	34.24	34.94	35.64	36.34	37.03	37.73	38.43	39.13	39.83	40.53	41.23	41.93	42.63	43.32	44.02	44.72	45.42	46.12	46.82	47.52	48.22	48.92	49.62	50.31	51.01	51.71	52.41	53.11	53.81	54.51	55.21	55.91	56.60	57.30	58.00	58.70	59.40	61.80	63.99	64.82	69.47	73.94	78.13	81.94
Surigao del Sur	Bislig City	347.10	354.82	362.53	370.25	377.97	385.69	393.41	401.13	408.85	416.56	424.28	432.00	439.72	447.44	455.16	462.87	470.59	478.31	486.03	493.75	501.47	509.19	516.90	524.62	532.34	540.06	547.78	555.50	563.22	570.93	578.65	586.37	594.09	601.81	609.53	617.24	624.96	632.68	640.40	648.12	655.84	682.30	706.45	715.64	767.07	816.45	862.64	904.77
Surigao del Sur	Cagwait	283.72	290.03	296.33	302.64	308.95	315.26	321.57	327.88	334.19	340.50	346.80	353.11	359.42	365.73	372.04	378.35	384.66	390.97	397.27	403.58	409.89	416.20	422.51	428.82	435.13	441.44	447.75	454.05	460.36	466.67	472.98	479.29	485.60	491.91	498.22	504.52	510.83	517.14	523.45	529.76	536.07	557.70	577.45	584.95	626.98	667.35	705.11	739.53
Surigao del Sur	Cantilan	167.60	171.33	175.05	178.78	182.51	186.23	189.96	193.69	197.41	201.14	204.87	208.60	212.32	216.05	219.78	223.50	227.23	230.96	234.68	238.41	242.14	245.87	249.59	253.32	257.05	260.77	264.50	268.23	271.95	275.68	279.41	283.14	286.86	290.59	294.32	298.04	301.77	305.50	309.23	312.95	316.68	329.46	341.12	345.56	370.39	394.23	416.54	436.88
Surigao del Sur	Carmen	41.07	41.98	42.89	43.81	44.72	45.63	46.55	47.46	48.37	49.29	50.20	51.11	52.03	52.94	53.85	54.77	55.68	56.59	57.51	58.42	59.33	60.25	61.16	62.07	62.99	63.90	64.81	65.73	66.64	67.55	68.47	69.38	70.29	71.21	72.12	73.03	73.95	74.86	75.77	76.69	77.60	80.73	83.59	84.68	90.77	96.61	102.07	107.06
Surigao del Sur	Carrascal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surigao del Sur	Cortes	62.81	64.21	65.60	67.00	68.40	69.79	71.19	72.58	73.98	75.38	76.77	78.17	79.57	80.96	82.36	83.75	85.15	86.55	87.94	89.34	90.74	92.13	93.53	94.93	96.32	97.72	99.11	100.51	101.91	103.30	104.70	106.10	107.49	108.89	110.28	111.68	113.08	114.47	115.87	117.27	118.66	123.45	127.82	129.48	138.78	147.72	156.07	163.69
Surigao del Sur	Hinatuan	3,579.62	3,659.23	3,738.84	3,818.45	3,898.06	3,977.67	4,057.28	4,136.89	4,216.50	4,296.11	4,375.72	4,455.33	4,534.94	4,614.55	4,694.16	4,773.76	4,853.37	4,932.98	5,012.59	5,092.20	5,171.81	5,251.42	5,331.03	5,410.64	5,490.25	5,569.86	5,649.47	5,729.08	5,808.69	5,888.30	5,967.91	6,047.51	6,127.12	6,206.73	6,286.34	6,365.95	6,445.56	6,525.17	6,604.78	6,684.39	6,764.00	7,036.96	7,286.08	7,380.90	7,911.15	8,420.55	8,897.10	9,331.50
Surigao del Sur	Lanuza	47.80	48.87	49.93	50.99	52.06	53.12	54.18	55.25	56.31	57.37	58.44	59.50	60.56	61.63	62.69	63.75	64.82	65.88	66.94	68.01	69.07	70.13	71.20	72.26	73.32	74.39	75.45	76.51	77.58	78.64	79.71	80.77	81.83	82.90	83.96	85.02	86.09	87.15	88.21	89.28	90.34	93.99	97.31	98.58	105.66	112.47	118.83	124.64
Surigao del Sur	Lianga	1,467.62	1,500.25	1,532.88	1,565.50	1,598.13	1,630.75	1,663.38	1,696.00	1,728.63	1,761.25	1,793.88	1,826.51	1,859.13	1,891.76	1,924.38	1,957.01	1,989.63	2,022.26	2,054.88	2,087.51	2,120.14	2,152.76	2,185.39	2,218.01	2,250.64	2,283.26	2,315.89	2,348.51	2,381.14	2,413.77	2,446.39	2,479.02	2,511.64	2,544.27	2,576.89	2,609.52	2,642.14	2,674.77	2,707.40	2,740.02	2,772.65	2,884.47	2,986.63	3,025.46	3,242.84	3,451.55	3,646.76	3,824.88
Surigao del Sur	Lingig	123.09	125.83	128.56	131.30	134.04	136.77	139.51	142.25	144.99	147.72	150.46	153.20	155.94	158.67	161.41	164.15	166.88	169.62	172.36	175.10	177.83	180.57	183.31	186.04	188.78	191.52	194.26	196.99	199.73	202.47	205.21	207.94	210.68	213.42	216.15	218.89	221.63	224.37	227.10	229.84	232.58	241.96	250.53	253.79	272.03	289.54	305.92	320.85
Surigao del Sur	Madrid	1,359.83	1,390.05	1,420.28	1,450.51	1,480.73	1,510.96	1,541.19	1,571.41	1,601.64	1,631.87	1,662.09	1,692.32	1,722.55	1,752.77	1,783.00	1,813.22	1,843.45	1,873.68	1,903.90	1,934.13	1,964.36	1,994.58	2,024.81	2,055.04	2,085.26	2,115.49	2,145.72	2,175.94	2,206.17	2,236.40	2,266.62	2,296.85	2,327.08	2,357.30	2,387.53	2,417.75	2,447.98	2,478.21	2,508.43	2,538.66	2,568.89	2,672.48	2,767.20	2,803.05	3,004.50	3,197.85	3,378.75	3,543.75
Surigao del Sur	Marihatag	67.96	69.47	70.98	72.49	74.00	75.51	77.02	78.54	80.05	81.56	83.07	84.58	86.09	87.60	89.12	90.63	92.14	93.65	95.16	96.67	98.18	99.69	101.21	102.72	104.23	105.74	107.25	108.76	110.27	111.78	113.30	114.81	116.32	117.83	119.34	120.85	122.36	123.88	125.39	126.90	128.41	133.59	138.32	140.12	150.19	159.86	168.90	177.15
Surigao del Sur	San Agustin	79.78	81.56	83.33	85.10	86.88	88.65	90.42	92.20	93.97	95.75	97.52	99.29	101.07	102.84	104.61	106.39	108.16	109.93	111.71	113.48	115.26	117.03	118.80	120.58	122.35	124.12	125.90	127.67	129.45	131.22	132.99	134.77	136.54	138.31	140.09	141.86	143.64	145.41	147.18	148.96	150.73	156.81	162.36	164.47	176.29	187.64	198.25	207.94
Surigao del Sur	San Miguel	146.22	149.47	152.73	155.98	159.23	162.48	165.73	168.98	172.23	175.48	178.73	181.99	185.24	188.49	191.74	194.99	198.24	201.49	204.74	207.99	211.25	214.50	217.75	221.00	224.25	227.50	230.75	234.00	237.26	240.51	243.76	247.01	250.26	253.51	256.76	260.01	263.26	266.52	269.77	273.02	276.27	287.42	297.59	301.46	323.12	343.92	363.38	381.12
Surigao del Sur	Tagbina	142.46	145.63	148.79	151.96	155.13	158.30	161.47	164.63	167.80	170.97	174.14	177.30	180.47	183.64	186.81	189.98	193.14	196.31	199.48	202.65	205.81	208.98	212.15	215.32	218.49	221.65	224.82	227.99	231.16	234.32	237.49	240.66	243.83	247.00	250.16	253.33	256.50	259.67	262.83	266.00	269.17	280.03	289.95	293.72	314.82	335.09	354.04	371.34
Surigao del Sur	Tago	139.54	142.65	145.75	148.85	151.96	155.06	158.17	161.27	164.37	167.48	170.58	173.68	176.79	179.89	183.00	186.10	189.20	192.31	195.41	198.51	201.62	204.72	207.83	210.93	214.03	217.14	220.24	223.34	226.45	229.55	232.66	235.76	238.86	241.97	245.07	248.17	251.28	254.38	257.49	260.59	263.69	274.33	284.05	287.74	308.42	328.28	346.85	363.80
Surigao del Sur	Tandag City	5,119.16	5,232.98	5,346.81	5,460.63	5,574.46	5,688.28	5,802.11	5,915.93	6,029.76	6,143.58	6,257.41	6,371.23	6,485.06	6,598.88	6,712.71	6,826.53	6,940.36	7,054.18	7,168.01	7,281.83	7,395.66	7,509.48	7,623.31	7,737.13	7,850.96	7,964.78	8,078.61	8,192.43	8,306.26	8,420.08	8,533.91	8,647.73	8,761.56	8,875.38	8,989.21	9,103.03	9,216.86	9,330.68	9,444.51	9,558.33	9,672.16	10,062.40	10,418.72	10,554.00	11,312.55	12,040.80	12,721.80	13,343.25
Total		502,819	524,829	546,839	568,850	590,860	612,870	634,880	656,891	678,901	700,911	722,922	744,932	766,942	788,952	810,963	832,973	854,983	876,993	899,004	921,014	943,024	965,035	987,045	1,009,055	1,031,065	1,053,076	1,075,086	1,097,096	1,119,106	1,141,117	1,163,127	1,185,137	1,207,148	1,229,158	1,251,168	1,273,178	1,295,189	1,317,199	1,339,209	1,361,220	1,383,230	1,436,217	1,514,089	1,615,459	1,697,002	1,826,898	1,959,278	2,093,699

Source: JICA Survey Team

(3) Surface and Groundwater Use Rate

Table DBH-68 Surface and Groundwater Use Rates for Municipal and Industrial Water by NWRB Water Rights (2020) [WRR-XI]

Province	Municipality	SW Litter/sec	GW Litter/sec	SW %	GW %
Agusan del Norte	Cabadbaran City	17.36	7.18	70.7%	29.3%
Agusan del Norte	Jabonga	75,658.06	0.00	100.0%	0.0%
Agusan del Norte	Santiago	9,000.00	10.68	99.9%	0.1%
Agusan del Sur	Bayugan City	0.00	0.00	95.7%	4.3%
Agusan del Sur	Bunawan	60.00	10.00	85.7%	14.3%
Agusan del Sur	Prosperidad	0.00	62.56	0.0%	100.0%
Agusan del Sur	Rosario	7.57	78.85	8.8%	91.2%
Agusan del Sur	San Francisco	236.82	294.15	44.6%	55.4%
Agusan del Sur	Sibagat	0.00	0.00	95.7%	4.3%
Agusan del Sur	Trento	0.00	0.00	95.7%	4.3%
Agusan del Sur	Veruela	0.00	0.00	95.7%	4.3%
Bukidnon	Cabanglasan	0.00	0.00	95.7%	4.3%
Bukidnon	Kitaotao	0.00	1.19	0.0%	100.0%
Bukidnon	Quezon	560.00	434.34	56.3%	43.7%
Bukidnon	San Fernando	0.00	0.00	95.7%	4.3%
Compostela Valley	Compostela	0.00	0.00	95.7%	4.3%
Compostela Valley	Laak	0.00	0.00	95.7%	4.3%
Compostela Valley	Mabini	0.00	0.00	95.7%	4.3%
Compostela Valley	Maco	0.00	0.00	95.7%	4.3%
Compostela Valley	Maragusan	0.00	0.00	95.7%	4.3%
Compostela Valley	Mawab	0.00	0.00	95.7%	4.3%
Compostela Valley	Monkayo	0.00	0.00	95.7%	4.3%
Compostela Valley	Montevista	0.00	0.00	95.7%	4.3%
Compostela Valley	Nabunturan	0.00	0.00	95.7%	4.3%
Compostela Valley	New Bataan	0.00	0.00	95.7%	4.3%
Compostela Valley	Pantukan	0.00	0.00	95.7%	4.3%
Davao del Norte	Asuncion	0.00	4.45	0.0%	100.0%
Davao del Norte	Braulio E. Dujali	0.00	0.00	95.7%	4.3%
Davao del Norte	Carmen	0.00	0.00	95.7%	4.3%
Davao del Norte	Kapalong	0.00	25.27	0.0%	100.0%
Davao del Norte	New Corella	0.00	167.72	0.0%	100.0%
Davao del Norte	Panabo City	0.00	0.00	95.7%	4.3%
Davao del Norte	Samal City	0.00	0.00	95.7%	4.3%
Davao del Norte	San Isidro	0.00	0.00	95.7%	4.3%
Davao del Norte	Santo Tomas	0.00	0.00	95.7%	4.3%
Davao del Norte	Tagum City	3,059.24	471.79	86.6%	13.4%
Davao del Norte	Talaingod	0.00	0.00	95.7%	4.3%
Davao del Sur	Bansalan	0.09	0.00	100.0%	0.0%
Davao del Sur	Davao City	2.42	371.61	0.6%	99.4%
Davao del Sur	Digos City	0.00	6.26	0.0%	100.0%
Davao del Sur	Don Marcelino	0.00	0.00	95.7%	4.3%
Davao del Sur	Hagonoy	1,271.20	31.32	97.6%	2.4%
Davao del Sur	Jose Abad Santos	0.00	0.00	95.7%	4.3%
Davao del Sur	Kiblawan	0.00	0.00	95.7%	4.3%
Davao del Sur	Magsaysay	40.00	8.97	81.7%	18.3%
Davao del Sur	Malalag	0.00	27.90	0.0%	100.0%
Davao del Sur	Malita	393.80	263.36	59.9%	40.1%
Davao del Sur	Matanao	0.00	6.00	0.0%	100.0%
Davao del Sur	Padada	42.00	10.00	80.8%	19.2%
Davao del Sur	Santa Cruz	0.00	0.00	95.7%	4.3%
Davao del Sur	Santa Maria	0.00	0.00	95.7%	4.3%
Davao del Sur	Sulop	0.00	0.00	95.7%	4.3%
Davao Oriental	Baganga	0.00	0.00	95.7%	4.3%
Davao Oriental	Banaybanay	1.97	14.40	12.0%	88.0%
Davao Oriental	Boston	0.00	0.00	95.7%	4.3%
Davao Oriental	Caraga	0.00	6.90	0.0%	100.0%
Davao Oriental	Cateel	0.00	0.00	95.7%	4.3%
Davao Oriental	Governor Generoso	0.00	0.00	95.7%	4.3%
Davao Oriental	Lupon	0.00	33.91	0.0%	100.0%
Davao Oriental	Manay	0.00	0.00	95.7%	4.3%
Davao Oriental	Mati City	0.00	0.00	95.7%	4.3%
Davao Oriental	San Isidro	0.00	5.70	0.0%	100.0%
Davao Oriental	Tarragona	0.00	0.00	95.7%	4.3%
North Cotabato	Arakan	0.00	0.00	95.7%	4.3%
North Cotabato	Magpet	0.00	112.00	0.0%	100.0%
North Cotabato	Makilala	500.00	200.06	71.4%	28.6%
North Cotabato	Tulunan	0.00	0.00	95.7%	4.3%
Sarangani	Alabel	15.20	88.41	14.7%	85.3%
Sarangani	Glan	0.00	0.00	95.7%	4.3%
Sarangani	Kiamba	0.00	0.00	95.7%	4.3%
Sarangani	Maasim	0.00	0.00	95.7%	4.3%
Sarangani	Malapatan	223.15	0.00	100.0%	0.0%
Sarangani	Malungon	0.00	0.00	95.7%	4.3%
South Cotabato	General Santos City	0.00	986.92	0.0%	100.0%
South Cotabato	Lake Sebu	0.00	1.60	0.0%	100.0%
South Cotabato	Polomolok	297.00	216.01	57.9%	42.1%
South Cotabato	Tampakan	0.00	3.60	0.0%	100.0%
South Cotabato	T'Boli	0.00	0.00	95.7%	4.3%
South Cotabato	Tupi	3.00	9.00	25.0%	75.0%
Sultan Kudarat	Columbio	0.00	0.50	0.0%	100.0%
Surigao del Sur	Barobo	0.00	13.04	0.0%	100.0%
Surigao del Sur	Bayabas	0.00	0.00	95.7%	4.3%
Surigao del Sur	Bislig City	0.00	0.00	95.7%	4.3%
Surigao del Sur	Cagwait	45.70	8.70	84.0%	16.0%
Surigao del Sur	Cantilan	826.00	53.00	94.0%	6.0%
Surigao del Sur	Carmen	0.00	0.00	95.7%	4.3%
Surigao del Sur	Carrascal	1.83	0.00	100.0%	0.0%
Surigao del Sur	Cortes	0.00	0.00	95.7%	4.3%
Surigao del Sur	Hinatuan	0.00	38.00	0.0%	100.0%
Surigao del Sur	Lanuza	0.00	0.00	95.7%	4.3%
Surigao del Sur	Lianga	35.80	40.35	47.0%	53.0%
Surigao del Sur	Lingig	0.00	0.00	95.7%	4.3%
Surigao del Sur	Madrid	0.00	9.00	0.0%	100.0%
Surigao del Sur	Marihatag	0.00	0.00	95.7%	4.3%
Surigao del Sur	San Agustin	0.00	0.00	95.7%	4.3%
Surigao del Sur	San Miguel	0.00	0.00	95.7%	4.3%
Surigao del Sur	Tagbina	112.50	5.00	95.7%	4.3%
Surigao del Sur	Tago	0.00	0.00	95.7%	4.3%
Surigao del Sur	Tandag City	0.00	0.05	0.0%	100.0%
Total		92,410.71	4,139.75	95.7%	4.3%

Source: JICA Survey Team

(4) Estimated Sub-Basin-wise Municipal and Industrial Water Demand

Table DBH-69 Estimated Sub-Basin-wise Municipal and Industrial Water Demand (SW) [WRR-XI] (m^3/day)

Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	3,339.1	3,383.2	3,427.3	3,471.4	3,515.6	3,559.7	3,603.8	3,647.9	3,692.0	3,736.2	3,780.3	3,824.4	3,868.5	3,912.7	3,956.8	4,000.9	4,045.0	4,089.1	4,133.3	4,177.4	4,221.5	4,265.6	4,309.7	4,353.9	4,398.0	4,442.1	4,486.2	4,530.3	4,574.5	4,618.6	4,662.7	4,706.8	4,751.0	4,795.1	4,839.2	4,883.3	4,927.4	4,971.6	5,015.7	5,059.8	5,103.9	5,261.3	5,389.4	5,438.3	5,741.0	6,026.8	6,285.7	6,526.5
C6	689.2	704.5	719.8	735.1	750.5	765.8	781.1	796.4	811.7	827.1	842.4	857.7	873.0	888.3	903.7	919.0	934.3	949.6	965.0	980.3	995.6	1,010.9	1,026.2	1,041.6	1,056.9	1,072.2	1,087.5	1,102.8	1,118.2	1,133.5	1,148.8	1,164.1	1,179.4	1,194.8	1,210.1	1,225.4	1,240.7	1,256.0	1,271.4	1,286.7	1,302.0	1,354.6	1,402.5	1,420.7	1,522.7	1,620.8	1,712.5	1,796.1
C8	592.9	606.1	619.2	632.4	645.6	658.8	672.0	685.2	698.3	711.5	724.7	737.9	751.1	764.3	777.4	790.6	803.8	817.0	830.2	843.4	856.5	869.7	882.9	896.1	909.3	922.5	935.6	948.8	962.0	975.2	988.4	1,001.6	1,014.7	1,027.9	1,041.1	1,054.3	1,067.5	1,080.7	1,093.8	1,107.0	1,120.2	1,165.4	1,206.7	1,222.4	1,310.2	1,394.6	1,473.5	1,545.4
C10	499.7	510.8	521.9	533.0	544.1	555.2	566.3	577.4	588.6	599.7	610.8	621.9	633.0	644.1	655.2	666.3	677.4	688.5	699.7	710.8	721.9	733.0	744.1	755.2	766.3	777.4	788.5	799.6	810.8	821.9	833.0	844.1	855.2	866.3	877.4	888.5	899.6	910.7	921.9	933.0	944.1	982.2	1,016.9	1,030.2	1,104.2	1,175.3	1,241.8	1,302.4
C16	229.0	234.0	239.1	244.2	249.3	254.4	259.5	264.6	269.7	274.8	279.9	285.0	290.1	295.2	300.2	305.3	310.4	315.5	320.6	325.7	330.8	335.9	341.0	346.1	351.2	356.3	361.4	366.4	371.5	376.6	381.7	386.8	391.9	397.0	402.1	407.2	412.3	417.4	422.5	427.6	432.7	450.1	466.1	472.1	506.1	538.6	569.1	596.9
C17	559.1	571.5	584.0	596.4	608.8	621.3	633.7	646.1	658.6	671.0	683.4	695.9	708.3	720.7	733.2	745.6	758.0	770.5	782.9	795.3	807.8	820.2	832.6	845.1	857.5	870.0	882.4	894.8	907.3	919.7	932.1	944.6	957.0	969.4	981.9	994.3	1,006.7	1,019.2	1,031.6	1,044.0	1,056.5	1,099.1	1,138.0	1,152.8	1,235.7	1,315.2	1,389.6	1,457.5
C25	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0	27.4	27.9	28.4	28.9	29.4	29.9	30.4	30.9	31.4	31.9	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.2	37.7	38.2	38.7	39.2	39.7	40.2	40.7	41.2	41.7	43.3	44.9	45.5	48.7	51.9	54.8	57.5
C35	151.6	155.0	158.3	161.7	165.1	168.5	171.8	175.2	178.6	182.0	185.3	188.7	192.1	195.4	198.8	202.2	205.6	208.9	212.3	215.7	219.0	222.4	225.8	229.2	232.5	235.9	239.3	242.7	246.0	249.4	252.8	256.1	259.5	262.9	266.3	269.6	273.0	276.4	279.8	283.1	286.5	298.1	308.6	312.6	335.1	356.7	376.9	395.3
C37	80.2	82.0	83.8	85.6	87.4	89.1	90.9	92.7	94.5	96.3	98.1	99.9	101.6	103.4	105.2	107.0	108.8	110.6	112.3	114.1	115.9	117.7	119.5	121.3	123.0	124.8	126.6	128.4	130.2	132.0	133.7	135.5	137.3	139.1	140.9	142.7	144.4	146.2	148.0	149.8	151.6	157.7	163.3	165.4	177.3	188.7	199.4	209.1
C49	74.9	76.6	78.3	79.9	81.6	83.3	84.9	86.6	88.3	89.9	91.6	93.3	94.9	96.6	98.3	99.9	101.6	103.3	104.9	106.6	108.2	109.9	111.6	113.2	114.9	116.6	118.2	119.9	121.6	123.2	124.9	126.6	128.2	129.9	131.6	133.2	134.9	136.6	138.2	139.9	141.6	147.3	152.5	154.5	165.6	176.2	186.2	195.3
C52	774.4	791.6	808.8	826.0	843.2	860.4	877.7	894.9	912.1	929.3	946.5	963.7	981.0	998.2	1,015.4	1,032.6	1,049.8	1,067.0	1,084.3	1,101.5	1,118.7	1,135.9	1,153.1	1,170.4	1,187.6	1,204.8	1,222.0	1,239.2	1,256.4	1,273.7	1,290.9	1,308.1	1,325.3	1,342.5	1,359.7	1,377.0	1,394.2	1,411.4	1,428.6	1,445.8	1,463.0	1,522.1	1,576.0	1,596.4	1,711.2	1,821.3	1,924.4	2,018.3
C60	706.2	721.9	737.6	753.3	769.0	784.7	800.4	816.1	831.8	847.5	863.2	878.9	894.6	910.3	926.0	941.7	957.4	973.1	988.8	1,004.5	1,020.2	1,035.9	1,051.6	1,067.3	1,083.0	1,098.7	1,114.4	1,130.1	1,145.8	1,161.5	1,177.2	1,192.9	1,208.6	1,224.3	1,240.0	1,255.7	1,271.4	1,287.1	1,302.8	1,318.5	1,334.2	1,388.0	1,437.2	1,455.8	1,560.4	1,660.9	1,754.9	1,840.5
C67	806.7	824.6	842.5	860.5	878.4	896.4	914.3	932.2	950.2	968.1	986.1	1,004.0	1,021.9	1,039.9	1,057.8	1,075.8	1,093.7	1,111.6	1,129.6	1,147.5	1,165.5	1,183.4	1,201.3	1,219.3	1,237.2	1,255.2	1,273.1	1,291.0	1,309.0	1,326.9	1,344.8	1,362.8	1,380.7	1,398.7	1,416.6	1,434.5	1,452.5	1,470.4	1,488.4	1,506.3	1,524.2	1,585.8	1,641.9	1,663.3	1,782.8	1,897.6	2,004.9	2,102.8
C69	341.5	349.1	356.7	364.3	371.9	379.5	387.1	394.7	402.3	409.8	417.4	425.0	432.6	440.2	447.8	455.4	463.0	470.6	478.2	485.8	493.4	501.0	508.6	516.1	523.7	531.3	538.9	546.5	554.1	561.7	569.3	576.9	584.5	592.1	599.7	607.3	614.9	622.5	630.0	637.6	645.2	671.3	695.0	704.1	754.7	803.2	848.7	890.1
C79	940.9	961.8	982.7	1,003.6	1,024.6	1,045.5	1,066.4	1,087.3	1,108.3	1,129.2	1,150.1	1,171.0	1,192.0	1,212.9	1,233.8	1,254.7	1,275.6	1,296.6	1,317.5	1,338.4	1,359.3	1,380.3	1,401.2	1,422.1	1,443.0	1,464.0	1,484.9	1,505.8	1,526.7	1,547.6	1,568.6	1,589.5	1,610.4	1,631.3	1,652.3	1,673.2	1,694.1	1,715.0	1,736.0	1,756.9	1,777.8	1,849.5	1,915.0	1,939.9	2,079.3	2,213.2	2,338.4	2,452.6
C80	1,024.6	1,047.4	1,070.2	1,092.9	1,115.7	1,138.5	1,161.3	1,184.1	1,206.9	1,229.7	1,252.4	1,275.2	1,298.0	1,320.8	1,343.6	1,366.4	1,389.2	1,412.0	1,434.7	1,457.5	1,480.3	1,503.1	1,525.9	1,548.7	1,571.5	1,594.3	1,617.0	1,639.8	1,662.6	1,685.4	1,708.2	1,731.0	1,753.8	1,776.6	1,799.3	1,822.1	1,844.9	1,867.7	1,890.5	1,913.3	1,936.1	2,014.2	2,085.5	2,112.6	2,264.4	2,410.3	2,546.6	2,671.0
C81	1,055.2	1,078.7	1,102.2	1,125.6	1,149.1	1,172.5	1,196.0	1,219.5	1,242.9	1,266.4	1,289.9	1,313.3	1,336.8	1,360.3	1,383.7	1,407.2	1,430.6	1,454.1	1,477.6	1,501.0	1,524.5	1,548.0	1,571.4	1,594.9	1,618.4	1,641.8	1,665.3	1,688.8	1,712.2	1,735.7	1,759.1	1,782.6	1,806.1	1,829.5	1,853.0	1,876.5	1,899.9	1,923.4	1,946.9	1,970.3	1,993.8	2,074.2	2,147.7	2,175.6	2,331.9	2,482.1	2,622.5	2,750.5
C82	184.9	189.0	193.1	197.3	201.4	205.5	209.6	213.7	217.8	221.9	226.0	230.2	234.3	238.4	242.5	246.6	250.7	254.8	258.9	263.0	267.2	271.3	275.4	279.5	283.6	287.7	291.8	295.9	300.1	304.2	308.3	312.4	316.5	320.6	324.7	328.8	333.0	337.1	341.2	345.3	349.4	363.5	376.4	381.3	408.7	435.0	459.6	482.0
C90	968.2	989.7	1,011.2	1,032.8	1,054.3	1,075.8	1,097.3	1,118.9	1,140.4	1,161.9	1,183.4	1,205.0	1,226.5	1,248.0	1,269.5	1,291.1	1,312.6	1,334.1	1,355.6	1,377.2	1,398.7	1,420.2	1,441.7	1,463.2	1,484.8	1,506.3	1,527.8	1,549.3	1,570.9	1,592.4	1,613.9	1,635.4	1,657.0	1,678.5	1,700.0	1,721.5	1,743.1	1,764.6	1,786.1	1,807.6	1,829.2	1,903.0	1,970.3	1,995.9	2,139.4	2,277.1	2,405.8	2,523.4
C94	1,028.2	1,051.1	1,073.9	1,096.8	1,119.6	1,142.5	1,165.4	1,188.2	1,211.1	1,233.9	1,256.8	1,279.6	1,302.5	1,325.4	1,348.2	1,371.1	1,393.9	1,416.8	1,439.6	1,462.5	1,485.4	1,508.2	1,531.1	1,553.9	1,576.8	1,599.6	1,622.5	1,645.4	1,668.2	1,691.1	1,713.9	1,736.8	1,759.6	1,782.5	1,805.4	1,828.2	1,851.1	1,873.9	1,896.8	1,919.6	1,942.5	2,020.8	2,092.4	2,119.6	2,271.9	2,418.1	2,554.9	2,679.7
C96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C97	9.5	9.7	9.9	10.1	10.3	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.5	12.7	12.9	13.1	13.3	13.5	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.3	16.5	16.7	16.9	17.1	17.3	17.5	17.7	18.0	18.7	19.3	19.6	21.0	22.3	23.6	24.8
C102	671.7	686.6	701.6	716.5	731.4	746.4	761.3	776.3	791.2	806.1	821.1	836.0	850.9	865.9	880.8	895.7	910.7	925.6	940.6	955.5	970.4	985.4	1,000.3	1,015.2	1,030.2	1,045.1	1,060.0	1,075.0	1,089.9	1,104.9	1,119.8	1,134.7	1,149.7	1,164.6	1,179.5	1,194.5	1,209.4	1,224.3	1,239.3	1,254.2	1,269.2	1,320.3	1,367.1	1,384.9	1,484.4	1,580.0	1,669.3	1,750.9
C106	116.0	118.5	121.1	123.7	126.3	128.8	131.4	134.0	136.6	139.1	141.7	144.3	146.9	149.5	152.0	154.6	157.2	159.8	162.3	164.9	167.5	170.1	172.7	175.2	177.8	180.4	183.0	185.5	188.1	190.7	193.3	195.9	198.4	201.0	203.6	206.2	208.7	211.3	213.9	216.5	219.1	227.9	236.0	239.0	256.2	272.7	288.1	302.2
C108	1,249.6	1,277.4	1,305.1	1,332.9	1,360.7	1,388.5	1,416.3	1,444.1	1,471.9	1,499.6	1,527.4	1,555.2	1,583.0	1,610.8	1,638.6	1,666.4	1,694.1	1,721.9	1,749.7	1,777.5	1,805.3	1,833.1	1,860.9	1,888.6	1,916.4	1,944.2	1,972.0	1,999.8	2,027.6	2,055.4	2,083.1	2,110.9	2,138.7	2,166.5	2,194.3	2,222.1	2,249.9	2,277.6	2,305.4	2,333.2	2,361.0	2,456.2	2,543.2	2,576.3	2,761.4	2,939.2	3,105.5	3,257.1
C116	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9	4.0	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.5	4.6	4.7	4.8	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3	5.4	5.5	5.6	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.2	6.5	6.7	6.8	7.3	7.8	8.2	8.6
C121	518.7	530.3	541.8	553.3	564.9	576.4	587.9	599.5	611.0	622.5	634.1	645.6	657.1	668.7	680.2	691.7	703.3	714.8	726.3	737.9	749.4	761.0	772.5	784.0	795.6	807.1	818.6	830.2	841.7	853.2	864.8	876.3	887.8	899.4	910.9	922.4	934.0	945.5	957.0	968.6	980.1	1,019.7	1,055.8	1,069.5	1,146.3	1,220.1	1,289.2	1,352.1
C128	646.0	660.4	674.8	689.1	703.5	717.9	732.2	746.6	761.0	775.3	789.7	804.1	818.4	832.8	847.2	861.5	875.9	890.3	904.6	919.0	933.4	947.7	962.1	976.5	990.8	1,005.2	1,019.6	1,033.9	1,048.3	1,062.7	1,077.0	1,091.4	1,105.8	1,120.1	1,134.5	1,148.9	1,163.2	1,177.6	1,192.0	1,206.3	1,220.7	1,270.0	1,314.9	1,332.0	1,427.7	1,519.7	1,605.6	1,684.0
C129	786.0	803.5	820.9	838.4	855.9	873.4	890.9	908.3	925.8	943.3	960.8	978.3	995.7	1,013.2	1,030.7	1,048.2	1,065.6	1,083.1	1,100.6	1,118.1	1,135.6	1,153.0	1,170.5	1,188.0	1,205.5	1,223.0	1,240.4	1,257.9	1,275.4	1,292.9	1,310.3	1,327.8	1,345.3	1,362.8	1,380.3	1,397.7	1,415.2	1,432.7	1,450.2	1,467.7	1,485.1	1,545.1	1,599.8	1,620.6	1,737.0	1,848.8	1,953.4	2,048.8
C137	1,686.4	1,723.9	1,761.4	1,798.9	1,836.4	1,873.9	1,911.4	1,948.9	1,986.4	2,023.9	2,061.4	2,098.9	2,136.4	2,173.9	2,211.4	2,248.9	2,286.4	2,323.9	2,361.4	2,398.9	2,436.4	2,473.9	2,511.4	2,548.9	2,586.4	2,623.9	2,661.4	2,698.9	2,736.4	2,773.9	2,811.4	2,848.9	2,886.4	2,923.9	2,961.4	2,998.9	3,036.4	3,073.9	3,111.4	3,148.9	3,186.4	3,314.9	3,432.3	3,476.9	3,726.8	3,966.7	4,191.1	4,395.8
C138	1,603.9	1,639.6	1,675.2	1,710.9	1,746.6	1,782.2	1,817.9	1,853.6	1,889.2	1,924.9	1,960.6	1,996.2	2,031.9	2,067.5	2,103.2	2,138.9	2,174.5	2,210.2	2,245.9	2,281.5	2,317.2	2,352.9	2,388.5	2,424.2	2,459.9	2,495.5	2,531.2	2,566.9	2,602.5	2,638.2	2,673.9	2,709.5	2,745.2	2,780.9	2,816.5	2,852.2	2,887.9	2,923.5	2,959.2	2,994.9	3,030.5	3,152.8	3,264.4	3,306.9	3,544.5	3,772.7	3,986.1	4,180.8
C141	337.3	344.8	352.3	359.8	367.3	374.8	382.3	389.8	397.3	404.8	412.3	419.8	427.3	434.8	442.3	449.8	457.3	464.8	472.3	479.8	487.3	494.8	502.3	509.8	517.3	524.8	532.3	539.8	547.3	554.8	562.3	569.8	577.3	584.8	592.3	599.8	607.3	614.8	622.3	629.8	637.3	663.0	686.5	695.4	745.4	793.3	838.2	879.1
C147	591.6	604.6	617.7	630.8	643.9	656.9	670.0	683.1	696.2	709.2	722.3	735.4	748.5	761.5	774.6	787.7	800.8	813.8	826.9	840.0	853.1	866.1	879.2	892.3	905.4	918.4	931.5	944.6	957.7	970.7	983.8	996.9	1,009.9	1,023.0	1,036.1	1,049.2	1,062.2	1,075.3	1,088.4	1,101.5	1,114.5	1,155.9	1,201.7	1,217.3	1,304.7	1,388.1	1,465.0	1,533.5
C149	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C151	546.5	558.6	570.7	582.8	594.8	606.9	619.0	631.1	643.2	655.2	667.3	679.4	691.5	703.6	715.6	727.7	739.8	751.9	764.0	776.0	788.1	800.2	812.3	824.4	836.4	848.5	860.6	872.7	884.8	896.8	908.9	921.0	933.1	945.2	957.2	969.3	981.4	993.5	1,005.6	1,017.6	1,029.7	1,068.0	1,110.2	1,124.6	1,205.4	1,282.4	1,353.5	1,416.9
C154	438.6	448.2	457.8	467.4	477.0	486.6	496.2	505.8	515.3	524.9	534.5	544.1	553.7	563.3	572.9	582.4	592.0	601.6	611.2	620.8	630.4	640.0	649.6	659.1	668.7	678.3	687.9	697.5	707.1	716.7	726.3	735.8	745.4	755.0	764.6	774.2	783.8	793.4	802.9	812.5	822.1	847.8	887.9	899.3	963.8	1,024.7	1,079.3	1,125.8
C156	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C160	609.2	622.4	635.5	648.7	661.9	675.1	688.2	701.4	714.6	727.8	740.9	754.1	767.3	780.5	793.6	806.8	820.0	833.2	846.3	859.5	872.7	885.9	899.0	912.2	925.4	938.6	951.7	964.9	978.1	991.3	1,004.4	1,017.6	1,030.8	1,044.0	1,057.1	1,070.3	1,083.5	1,096.7	1,109.8	1,123.0	1,136.2	1,165.3	1,229.1	1,244.8	1,333.9	1,417.2	1,489.8	1,548.8
C161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Source: JICA Survey Team

Table DBH-70 Estimated Sub-Basin-wise Municipal and Industrial Water Demand (GW) [WRR-XI] (m^3/day)

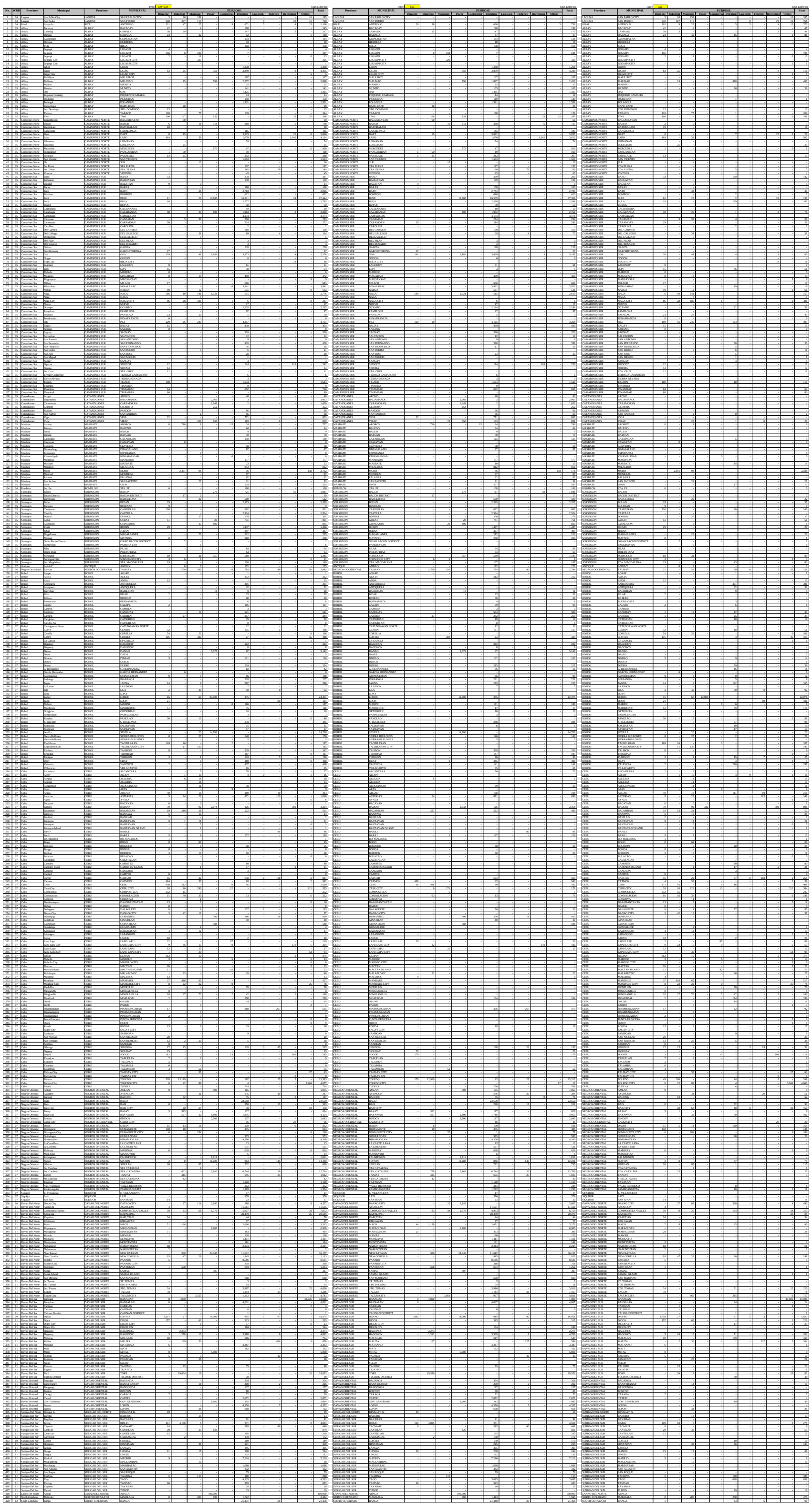
Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	205.5	210.0	214.6	219.2	223.7	228.3	232.9	237.4	242.0	246.6	251.2	255.7	260.3	264.9	269.4	274.0	278.6	283.1	287.7	292.3	296.8	301.4	306.0	310.5	315.1	319.7	324.2	328.8	333.4	338.0	342.5	347.1	351.7	356.2	360.8	365.4	369.9	374.5	379.1	383.6	388.2	403.9	418.2	423.6	454.1	483.3	510.6	535.5
C6	30.9	31.6	32.2	32.9	33.6	34.3	35.0	35.7	36.4	37.1	37.7	38.4	39.1	39.8	40.5	41.2	41.9	42.5	43.2	43.9	44.6	45.3	46.0	46.7	47.3	48.0	48.7	49.4	50.1	50.8	51.5	52.1	52.8	53.5	54.2	54.9	55.6	56.3	57.0	57.6	58.3	60.7	62.8	63.6	68.2	72.6	76.7	80.5
C8	244.6	250.1	255.5	261.0	266.4	271.8	277.3	282.7	288.1	293.6	299.0	304.5	309.9	315.3	320.8	326.2	331.7	337.1	342.5	348.0	353.4	358.9	364.3	369.7	375.2	380.6	386.1	391.5	396.9	402.4	407.8	413.3	418.7	424.1	429.6	435.0	440.5	445.9	451.3	456.8	462.2	480.9	497.9	504.4	540.6	575.4	607.9	637.6
C10	22.4	22.9	23.4	23.9	24.4	24.9	25.4	25.9	26.4	26.9	27.4	27.9	28.4	28.9	29.4	29.8	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	34.3	34.8	35.3	35.8	36.3	36.8	37.3	37.8	38.3	38.8	39.3	39.8	40.3	40.8	41.3	41.8	42.3	44.0	45.6	46.1	49.5	52.6	55.6	58.3
C16	10.3	10.5	10.7	10.9	11.2	11.4	11.6	11.9	12.1	12.3	12.5	12.8	13.0	13.2	13.5	13.7	13.9	14.1	14.4	14.6	14.8	15.0	15.3	15.5	15.7	16.0	16.2	16.4	16.6	16.9	17.1	17.3	17.6	17.8	18.0	18.2	18.5	18.7	18.9	19.2	19.4	20.2	20.9	21.1	22.7	24.1	25.5	26.7
C17	846.0	864.8	883.6	902.4	921.2	940.0	958.8	977.6	996.4	1,015.2	1,034.0	1,052.8	1,071.6	1,090.4	1,109.2	1,128.0	1,146.8	1,165.6	1,184.4	1,203.2	1,222.1	1,240.9	1,259.7	1,278.5	1,297.3	1,316.1	1,334.9	1,353.7	1,372.5	1,391.3	1,410.1	1,428.9	1,447.7	1,466.5	1,485.3	1,504.1	1,522.9	1,541.7	1,560.5	1,579.3	1,598.1	1,662.6	1,721.5	1,743.8	1,869.1	1,989.4	2,102.0	2,204.6
C25	91.4	93.5	95.5	97.5	99.6	101.6	103.6	105.7	107.7	109.7	111.7	113.8	115.8	117.8	119.9	121.9	123.9	126.0	128.0	130.0	132.1	134.1	136.1	138.2	140.2	142.2	144.3	146.3	148.3	150.4	152.4	154.4	156.5	158.5	160.5	162.6	164.6	166.6	168.6	170.7	172.7	179.7	186.0	188.5	202.0	215.0	227.2	238.3
C35	494.8	505.8	516.8	527.8	538.8	549.8	560.8	571.8	582.8	593.8	604.8	615.8	626.8	637.8	648.8	659.8	670.8	681.8	692.8	703.8	714.8	725.8	736.8	747.8	758.8	769.8	780.8	791.8	802.8	813.8	824.8	835.8	846.8	857.8	868.9	879.9	890.9	901.9	912.9	923.9	934.9	972.6	1,007.0	1,020.1	1,093.4	1,163.8	1,229.6	1,289.7
C37	498.9	510.0	521.1	532.2	543.2	554.3	565.4	576.5	587.6	598.7	609.8	620.9	632.0	643.1	654.2	665.3	676.4	687.4	698.5	709.6	720.7	731.8	742.9	754.0	765.1	776.2	787.3	798.4	809.5	820.6	831.7	842.7	853.8	864.9	876.0	887.1	898.2	909.3	920.4	931.5	942.6	980.6	1,015.3	1,028.5	1,102.4	1,173.4	1,239.8	1,300.3
C49	33.2	34.0	34.7	35.4	36.2	36.9	37.7	38.4	39.1	39.9	40.6	41.4	42.1	42.8	43.6	44.3	45.1	45.8	46.5	47.3	48.0	48.8	49.5	50.2	51.0	51.7	52.4	53.2	53.9	54.7	55.4	56.1	56.9	57.6	58.4	59.1	59.8	60.6	61.3	62.1	62.8	65.3	67.6	68.5	73.4	78.2	82.6	86.6
C52	34.7	35.5	36.2	37.0	37.8	38.5	39.3	40.1	40.9	41.6	42.4	43.2	43.9	44.7	45.5	46.3	47.0	47.8	48.6	49.3	50.1	50.9	51.7	52.4	53.2	54.0	54.7	55.5	56.3	57.1	57.8	58.6	59.4	60.1	60.9	61.7	62.5	63.2	64.0	64.8	65.5	68.2	70.6	71.5	76.7	81.6	86.2	90.4
C60	98.0	100.2	102.4	104.6	106.7	108.9	111.1	113.3	115.5	117.6	119.8	122.0	124.2	126.4	128.5	130.7	132.9	135.1	137.3	139.4	141.6	143.8	146.0	148.2	150.3	152.5	154.7	156.9	159.1	161.2	163.4	165.6	167.8	170.0	172.1	174.3	176.5	178.7	180.9	183.0	185.2	192.7	199.5	202.1	216.6	230.6	243.6	255.5
C67	83.0	84.9	86.7	88.6	90.4	92.3	94.1	96.0	97.8	99.7	101.5	103.4	105.2	107.1	108.9	110.7	112.6	114.4	116.3	118.1	120.0	121.8	123.7	125.5	127.4	129.2	131.1	132.9	134.8	136.6	138.5	140.3	142.1	144.0	145.8	147.7	149.5	151.4	153.2	155.1	156.9	163.2	169.0	171.2	183.5	195.3	206.4	216.5
C69	15.3	15.6	16.0	16.3	16.7	17.0	17.3	17.7	18.0	18.4	18.7	19.0	19.4	19.7	20.1	20.4	20.7	21.1	21.4	21.8	22.1	22.4	22.8	23.1	23.5	23.8	24.1	24.5	24.8	25.2	25.5	25.8	26.2	26.5	26.9	27.2	27.5	27.9	28.2	28.6	28.9	30.1	31.1	31.5	33.8	36.0	38.0	39.9
C79	90.9	92.9	94.9	96.9	98.9	101.0	103.0	105.0	107.0	109.0	111.1	113.1	115.1	117.1	119.1	121.2	123.2	125.2	127.2	129.2	131.3	133.3	135.3	137.3	139.3	141.4	143.4	145.4	147.4	149.4	151.5	153.5	155.5	157.5	159.6	161.6	163.6	165.6	167.6	169.7	171.7	178.6	184.9	187.3	200.8	213.7	225.8	236.8
C80	45.9	46.9	47.9	49.0	50.0	51.0	52.0	53.0	54.1	55.1	56.1	57.1	58.1	59.2	60.2	61.2	62.2	63.3	64.3	65.3	66.3	67.3	68.4	69.4	70.4	71.4	72.4	73.5	74.5	75.5	76.5	77.5	78.6	79.6	80.6	81.6	82.6	83.7	84.7	85.7	86.7	90.2	93.4	94.6	101.4	108.0	114.1	119.7
C81	47.3	48.3	49.4	50.4	51.5	52.5	53.6	54.6	55.7	56.7	57.8	58.8	59.9	60.9	62.0	63.0	64.1	65.1	66.2	67.2	68.3	69.3	70.4	71.4	72.5	73.5	74.6	75.7	76.7	77.8	78.8	79.9	80.9	82.0	83.0	84.1	85.1	86.2	87.2	88.3	89.3	92.9	96.2	97.5	104.5	111.2	117.5	123.2
C82	8.3	8.5	8.7	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.3	10.5	10.7	10.9	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6	13.8	14.0	14.2	14.4	14.5	14.7	14.9	15.1	15.3	15.5	15.7	16.3	16.9	17.1	18.3	19.5	20.6	21.6
C90	244.0	249.4	254.8	260.2	265.7	271.1	276.5	281.9	287.4	292.8	298.2	303.6	309.1	314.5	319.9	325.3	330.8	336.2	341.6	347.0	352.4	357.9	363.3	368.7	374.1	379.6	385.0	390.4	395.8	401.3	406.7	412.1	417.5	423.0	428.4	433.8	439.2	444.7	450.1	455.5	460.9	479.5	496.5	502.9	539.1	573.8	606.2	635.8
C94	1,286.3	1,314.9	1,343.5	1,372.0	1,400.6	1,429.2	1,457.8	1,486.4	1,515.0	1,543.6	1,572.2	1,600.8	1,629.4	1,658.0	1,686.6	1,715.2	1,743.8	1,772.4	1,801.0	1,829.6	1,858.2	1,886.7	1,915.3	1,943.9	1,972.5	2,001.1	2,029.7	2,058.3	2,086.9	2,115.5	2,144.1	2,172.7	2,201.3	2,229.9	2,258.5	2,287.1	2,315.7	2,344.3	2,372.9	2,401.5	2,430.0	2,528.1	2,617.6	2,651.6	2,842.1	3,025.1	3,196.2	3,352.3
C96	403.3	412.3	421.3	430.3	439.2	448.2	457.2	466.1	475.1	484.1	493.0	502.0	511.0	519.9	528.9	537.9	546.8	555.8	564.8	573.8	582.7	591.7	600.7	609.6	618.6	627.6	636.5	645.5	654.5	663.4	672.4	681.4	690.4	699.3	708.3	717.3	726.2	735.2	744.2	753.1	762.1	792.8	820.9	831.6	891.4	948.7	1,002.4	1,051.4
C97	1,550.8	1,585.3	1,619.8	1,654.3	1,688.8	1,723.2	1,757.7	1,792.2	1,826.7	1,861.2	1,895.7	1,930.2	1,964.6	1,999.1	2,033.6	2,068.1	2,102.6	2,137.1	2,171.6	2,206.1	2,240.5	2,275.0	2,309.5	2,344.0	2,378.5	2,413.0	2,447.5	2,481.9	2,516.4	2,550.9	2,585.4	2,619.9	2,654.4	2,688.9	2,723.4	2,757.8	2,792.3	2,826.8	2,861.3	2,895.8	2,930.3	3,048.5	3,156.4	3,197.5	3,427.2	3,647.9	3,854.3	4,042.5
C102	1,685.1	1,722.5	1,760.0	1,797.5	1,835.0	1,872.4	1,909.9	1,947.4	1,984.8	2,022.3	2,059.8	2,097.3	2,134.7	2,172.2	2,209.7	2,247.2	2,284.6	2,322.1	2,359.6	2,397.1	2,434.5	2,472.0	2,509.5	2,547.0	2,584.4	2,621.9	2,659.4	2,696.9	2,734.3	2,771.8	2,809.3	2,846.7	2,884.2	2,921.7	2,959.2	2,996.6	3,034.1	3,071.6	3,109.1	3,146.5	3,184.0	3,312.5	3,429.8	3,474.4	3,724.0	3,963.8	4,188.1	4,392.6
C106	2,200.6	2,249.5	2,298.5	2,347.4	2,396.3	2,445.2	2,494.2	2,543.1	2,592.0	2,641.0	2,689.9	2,738.8	2,787.8	2,836.7	2,885.6	2,934.6	2,983.5	3,032.4	3,081.4	3,130.3	3,179.2	3,228.1	3,277.1	3,326.0	3,374.9	3,423.9	3,472.8	3,521.7	3,570.7	3,619.6	3,668.5	3,717.5	3,766.4	3,815.3	3,864.3	3,913.2	3,962.1	4,011.0	4,060.0	4,108.9	4,157.8	4,325.6	4,478.7	4,537.0	4,863.0	5,176.0	5,468.9	5,735.9
C108	55.5	56.8	58.0	59.2	60.5	61.7	62.9	64.2	65.4	66.7	67.9	69.1	70.4	71.6	72.8	74.1	75.3	76.5	77.8	79.0	80.2	81.5	82.7	83.9	85.2	86.4	87.6	88.9	90.1	91.3	92.6	93.8	95.1	96.3	97.5	98.8	100.0	101.2	102.5	103.7	104.9	109.2	113.0	114.5	122.7	130.6	138.0	144.8
C116	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4
C121	305.7	312.5	319.3	326.1	332.9	339.7	346.5	353.3	360.1	366.9	373.7	380.5	387.3	394.1	400.9	407.7	414.5	421.3	428.0	434.8	441.6	448.4	455.2	462.0	468.8	475.6	482.4	489.2	496.0	502.8	509.6	516.4	523.2	530.0	536.8	543.6	550.4	557.2	564.0	570.8	577.6	600.9	622.2	630.3	675.6	719.1	759.8	796.9
C128	28.9	29.6	30.2	30.9	31.5	32.2	32.8	33.4	34.1	34.7	35.4	36.0	36.7	37.3	38.0	38.6	39.2	39.9	40.5	41.2	41.8	42.5	43.1	43.7	44.4	45.0	45.7	46.3	47.0	47.6	48.2	48.9	49.5	50.2	50.8	51.5	52.1	52.8	53.4	54.0	54.7	56.9	58.9	59.7	64.0	68.1	71.9	75.4
C129	35.2	36.0	36.8	37.6	38.3	39.1	39.9	40.7	41.5	42.3	43.0	43.8	44.6	45.4	46.2	47.0	47.7	48.5	49.3	50.1	50.9	51.7	52.4	53.2	54.0	54.8	55.6	56.4	57.1	57.9	58.7	59.5	60.3	61.0	61.8	62.6	63.4	64.2	65.0	65.7	66.5	69.2	71.7	72.6	77.8	82.8	87.5	91.8
C137	75.5	77.2	78.9	80.6	82.3	83.9	85.6	87.3	89.0	90.7	92.3	94.0	95.7	97.4	99.1	100.7	102.4	104.1	105.8	107.5	109.1	110.8	112.5	114.2	115.9	117.5	119.2	120.9	122.6	124.3	125.9	127.6	129.3	131.0	132.7	134.3	136.0	137.7	139.4	141.1	142.7	148.5	153.8	155.8	167.0	177.7	187.8	196.9
C138	71.8	73.4	75.0	76.6	78.2	79.8	81.4	83.0	84.6	86.2	87.8	89.4	91.0	92.6	94.2	95.8	97.4	99.0	100.6	102.2	103.8	105.4	107.0	108.6	110.2	111.8	113.4	115.0	116.6	118.2	119.8	121.4	123.0	124.6	126.2	127.8	129.4	131.0	132.6	134.2	135.8	141.2	146.2	148.1	158.8	169.0	178.6	187.3
C141	15.1	15.4	15.8	16.1	16.5	16.8	17.1	17.5	17.8	18.1	18.5	18.8	19.1	19.5	19.8	20.1	20.5	20.8	21.2	21.5	21.8	22.2	22.5	22.8	23.2	23.5	23.8	24.2	24.5	24.9	25.2	25.5	25.9	26.2	26.5	26.9	27.2	27.5	27.9	28.2	28.5	29.7	30.8	31.2	33.4	35.5	37.6	39.4
C147	26.5	27.1	27.7	28.3	28.8	29.4	30.0	30.6	31.2	31.8	32.4	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.0	37.6	38.2	38.8	39.4	40.0	40.6	41.1	41.7	42.3	42.9	43.5	44.1	44.7	45.2	45.8	46.4	47.0	47.6	48.2	48.8	49.3	49.9	51.8	53.8	54.5	58.4	62.2	65.6	68.7
C149	757.3	763.2	769.2	775.1	781.0	787.0	792.9	798.8	804.8	810.7	816.6	822.6	828.5	834.5	840.4	846.3	852.3	858.2	864.1	870.1	876.0	881.9	887.9	893.8	899.8	905.7	911.6	917.6	923.5	929.4	935.4	941.3	947.2	953.2	959.1	965.1	971.0	976.9	982.9	988.8	994.7	1,010.7	1,040.0	1,033.4	1,083.4	1,124.6	1,156.3	1,179.8
C151	24.5	25.0	25.6	26.1	26.6	27.2	27.7	28.3	28.8	29.4	29.9	30.4	31.0	31.5	32.1	32.6	33.1	33.7	34.2	34.8	35.3	35.8	36.4	36.9	37.5	38.0	38.6	39.1	39.6	40.2	40.7	41.3	41.8	42.3	42.9	43.4	44.0	44.5	45.0	45.6	46.1	47.8	49.7	50.4	54.0	57.5	60.6	63.5
C154	19.7	20.1	20.5	20.9	21.4	21.8	22.2	22.7	23.1	23.5	23.9	24.4	24.8	25.2	25.7	26.1	26.5	27.0	27.4	27.8	28.2	28.7	29.1	29.5	30.0	30.4	30.8	31.2	31.7	32.1	32.5	33.0	33.4	33.8	34.3	34.7	35.1	35.5	36.0	36.4	36.8	38.0	39.8	40.3	43.2	45.9	48.3	50.4
C156	593.3	598.0	602.6	607.3	611.9	616.6	621.2	625.9	630.5	635.2	639.8	644.5	649.1	653.8	658.4	663.1	667.7	672.4	677.0	681.7	686.3	691.0	695.6	700.3	704.9	709.6	714.2	718.9	723.5	728.2	732.8	737.5	742.1	746.8	751.4	756.1	760.8	765.4	770.1	774.7	779.4	791.8	814.8	809.6	848.9	881.1	905.9	924.3
C157	328.8	331.4	334.0	336.6	339.1	341.7	344.3	346.9	349.5	352.0	354.6	357.2	359.8	362.3	364.9	367.5	370.1	372.7	375.2	377.8	380.4	383.0	385.5	388.1	390.7	393.3	395.9	398.4	401.0	403.6	406.2	408.7	411.3	413.9	416.5	419.1	421.6	424.2	426.8	429.4	431.9	438.9	451.6	448.7	470.5	488.3	502.1	512.3
C160	27.3	27.9	28.5	29.1	29.7	30.2	30.8	31.4	32.0	32.6	33.2	33.8	34.4	35.0	35.6	36.1	36.7	37.3	37.9	38.5	39.1	39.7	40.3	40.9	41.5	42.0	42.6	43.2	43.8	44.4	45.0	45.6	46.2	46.8	47.4	47.9	48.5	49.1	49.7	50.3	50.9	52.2	55.1	55.8	59.8	63.5	66.7	69.4
C161	1,003.0	1,010.9	1,018.7	1,026.6	1,034.5	1,042.3	1,050.2	1,058.0	1,065.9	1,073.8	1,081.6	1,089.5	1,097.4	1,105.2	1,113.1	1,120.9	1,128.8	1,136.7	1,144.5	1,152.4	1,160.3	1,168.1	1,176.0	1,183.8	1,191.7	1,199.6	1,207.4	1,215.3	1,223.2	1,231.0	1,238.9	1,246.8	1,254.6	1,262.5	1,270.3	1,278.2	1,286.1	1,293.9	1,301.8	1,309.7	1,317.5	1,338.6	1,377.4	1,368.7	1,435.0	1,489.5	1,531.4	1,562.6
C167	289.5	292.4	295.3	298.2	301.0	303.9	306.8	309.7	312.6	315.5	318.4	321.2	324.1	327.0	329.9	332.8	335.7	338.6	341.4	344.3	347.2	350.1	353.0	355.9	358.7	361.6	364.5	367.4	370.3	373.2	376.1	378.9	381.8	384.7	387.6	390.5	393.4	396.3	399.1	402.0	404.9	411.5	424.9	429.1	451.7	469.7	484.8	494.5
C168	456.6	460.2	463.8	467.3	470.9	474.5	478.1	481.7	485.2	488.8	492.4	496.0	499.6	503.1	506.7	510.3	513.9	517.5	521.0	524.6	528.2	531.8	535.4	538.9	542.5	546.1	549.7	553.3	556.8	560.4	564.0	567.6	571.2	574.7	578.3	581.9	585.5	589.1	592.6	596.2	599.8	609.4	627.1	623.1	653.3	678.1	697.2	711.4
C169	73.8	75.4	77.0	78.6	80.2	81.8	83.4	85.0	86.6	88.2	89.8	91.4	93.0	94.5	96.1	97.7	99.3	100.9	102.5	104.1	105.7	107.3	108.9	110.5	112.1	113.7	115.3	116.9	118.5	120.1	121.7	123.3	124.9	126.5	128.1	129.7	131.3	132.8	134.4	136.0	137.6	141.2	148.9	150.8	161.6	171.7	180.5	187.6
C170	312.7	313.3	313.9	314.4	315.0	315.6	316.1	316.7	317.3	317.8	318.4	319.0	319.5	320.1	320.7	321.2	321.8	322.4	322.9	323.5	324.1	324.6	325.2	325.8	326.3	326.9	327.5	328.0	328.6	329.2	329.7	330.3	330.9	331.4	332.0	332.6	333.1	333.7	334.2	334.8	335.4	336.0	383.4	413.0	443.2	462.4	489.1	500.4
C171	15.1	15.5	15.8	16.1	16.5	16.8	17.1	17.4	17.8	18.1	18.4	18.8	19.1	19.4	19.7	20.1	20.4	20.7	21.0	21.4	21.7	22.0	22.4	22.7	23.0	23.3	23.7	24.0	24.3	24.6	25.0	25.3	25.6	26.0	26.3	26.6	26.9	27.3	27.6	27.9	28.3	29.0	30.6	31.0	33.2	35.2	37.0	38.5
C172	42.4	43.4	44.3	45.2	46.1	47.0	47.9	48.9	49.8	50.7	51.6	52.5	53.5	54.4	55.3	56.2	57.1	58.0	59.0	59.9	60.8	61.7	62.6	63.5	64.5	65.4	66.3	67.2	68.1	69.1	70.0	70.9	71.8	72.7	73.6	74.6	75.5	76.4	77.3	78.2	79.1	81.2	85.6	86.7	92.9	98.7	103.8	107.9
C173	586.3	590.9	595.4	600.0	604.6	609.2	613.8	618.4	623.0	627.6	632.2	636.8	641.4	646.0	650.6	655.2	659.8	664.4	669.0	673.6	678.2	682.8	687.4	692.0	696.6	701.2	705.7	710.3	714.9	719.5	724.1	728.7	733.3	737.9	742.5	747.1	751.7	756.3	760.9	765.5	770.1	782.4	805.1	800.0	838.8	870.6	895.1	913.3
C174	1,016.6	1,025.3	1,033.9	1,042.6	1,051.3	1,060.0	1,068.6	1,077.3	1,086.0	1,094.7	1,103.3	1,112.0	1,120.7	1,129.4	1,138.0	1,146.7	1,155.4	1,164.1	1,172.7	1,181.4	1,190.1	1,198.8	1,207.4	1,216.1	1,224.8	1,233.5	1,242.1	1,250.8	1,259.5	1,268.2	1,276.8	1,285.5	1,294.2	1,302.8	1,311.5	1,320.2	1,328.9	1,337.5	1,346.2	1,354.9	1,363.6	1,385.5	1,427.4	1,426.3	1,497.4	1,555.2	1,601.1	1,633.5
C176	77.7	79.3	80.9	82.5	84.1	85.8	87.4	89.0	90.6	92.2	93.8	95.4	97.0	98.7	100.3	101.9	103.5	105.1	106.7	108.3	109.9	111.6	113.2	114.8	116.4	118.0	119.6	121.2	122.8	124.5	126.1	127.7	129.3	130.9	132.5	134.1	135.7	137.4	139.0	140.6	142.2	144.7	151.2	161.6	172.2	180.1	188.3	191.9
C179	215.3	217.0	218.7	220.4	222.1	223.7	225.4	227.1	228.8	230.5	232.2	233.9	235.5	237.2	238.9	240.6	242.3	244.0	245.7	247.3	249.0	250.7	252.4	254.1	255.8	257.4	259.1	260.8	262.5	264.2	265.9	267.6	269.2	270.9	272.6	274.3	276.0	277.7	279.3	281.0	282.7	287.2	295.6	293.7	307.9	319.6	328.6	335.2
C184	937.7	946.6	955.6	964.5	973.5	982.4	991.4	1,000.3	1,009.3	1,018.2	1,027.2	1,036.1	1,045.1	1,054.0	1,063.0	1,071.9	1,080.9	1,089.8	1,098.8	1,107.7	1,116.7	1,125.6	1,134.6	1,143.5	1,152.5	1,161.4	1,170.4	1,179.3	1,188.3	1,197.2	1,206.2	1,215.1	1,224.1	1,233.0	1,242.0	1,250.9	1,259.9	1,268.8	1,277.8	1,286.7	1,295.7	1,315.6	1,356.3	1,358.7	1,427.3	1,482.9	1,527.6	1,558.5
C186	192.1	195.1	198.1	201.0	204.0	206.9	209.9	212.9	215.8	218.8	221.7	224.7	227.6	230.6	233.6	236.5	239.5	242.4	245.4	248.4	251.3	254.3	257.2	260.2	263.1	266.1	269.1	272.0	275.0	277.9	280.9	283.8	286.8	289.8	292.7	295.7	298.6	301.6	304.6	307.5	310.5	313.1	349.1	375.1	403.9	423.0	449.0	461.3

Source: JICA Survey Team

1.2.4 Other Water Demand

(1) Water Permits by NWRB

Table DBH-71 Water Permits as of May 2021 by NWRB (litter/sec)



Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(2) Estimated Municipality-wise Other Water Demands

Table DBH-72 Estimated Other Water Demands by Municipality (SW) [WRR-XI] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Agusan del Norte	Cabadbaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte	Jabonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte	Santiago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Bayugan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Bunawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Prosperidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Rosario	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Sibagat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Trento	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Veruela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Cabanglasan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Kitaotao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Quezon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Laak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Maco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Maragusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Mawab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Monkayo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Montevista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Nabunturan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	New Bataan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Pantukan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Asuncion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Braulio E. Dujali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Kapalong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	New Corella	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Panabo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Samal City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Santo Tomas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Tagum City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Talaingod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Bansalan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Davao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Digos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Don Marcelino	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Hagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Jose Abad Santos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Kiblawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Magsaysay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Malalag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Malita	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Matanao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Padada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Santa Cruz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Santa Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Sulop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Baganga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Banaybanay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Boston	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Caraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Cateel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Governor Generoso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Lupon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Manay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Mati City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Tarragona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Arakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Magpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Makilala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Tulunan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Alabel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Glan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Kiamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Maasim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Malapatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Malungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	General Santos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Lake Sebu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Polomolok	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Tampakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	T'Boli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Tupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sultan Kudarat	Columbio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Barobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Bayabas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Bislig City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Cagwait	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Cantilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Carrascal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Cortes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Hinatuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Lanuza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Lianga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Lingig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Madrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Marihatag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	San Agustin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Tagbina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Tago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Tandag City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

Table DBH-73 Estimated Other Water Demands by Municipality (GW) [WRR-XI] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Agusan del Norte	Cabadbaran City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte	Jabonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Norte	Santiago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Bayugan City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Bunawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Prosperidad	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Rosario	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	San Francisco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Sibagat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Trento	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agusan del Sur	Veruela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Cabanglasan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Kitaotao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	Quezon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bukidnon	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Compostela	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Laak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Mabini	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Maco	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Maragusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Mawab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Monkayo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Montevista	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Nabunturan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	New Bataan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao de Oro	Pantukan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Asuncion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Braulio E. Dujali	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Kapalong	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	New Corella	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Panabo City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Samal City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Santo Tomas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Norte	Tagum City	130.44	131.47	132.49	133.51	134.53	135.56	136.58	137.60	138.62	139.65	140.67	141.69	142.71	143.74	144.76	145.78	146.80	147.83	148.85	149.87	150.89	151.92	152.94	153.96	154.98	156.01	157.03	158.05	159.08	160.10	161.12	162.14	163.17	164.19	165.21	166.23	167.26	168.28	169.30	170.32	171.35	174.09	179.14	178.00	186.62	193.71	199.16	203.22
Davao del Norte	Talaingod	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Bansalan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Davao City	1,783.84	2,277.49	2,771.15	3,264.81	3,758.47	4,252.13	4,745.79	5,239.45	5,733.11	6,226.77	6,720.43	7,214.08	7,707.74	8,201.40	8,695.06	9,188.72	9,682.38	10,176.04	10,669.70	11,163.36	11,657.02	12,150.67	12,644.33	13,137.99	13,631.65	14,125.31	14,618.97	15,112.63	15,606.29	16,099.95	16,593.61	17,087.26	17,580.92	18,074.58	18,568.24	19,061.90	19,555.56	20,049.22	20,542.88	21,036.54	21,530.20	22,996.48	24,365.99	26,787.38	28,268.66	31,320.20	34,486.54	37,775.93
Davao del Sur	Digos City	2,517.30	2,575.22	2,633.14	2,691.06	2,748.98	2,806.90	2,864.82	2,922.74	2,980.65	3,038.57	3,096.49	3,154.41	3,212.33	3,270.25	3,328.17	3,386.09	3,444.00	3,501.92	3,559.84	3,617.76	3,675.68	3,733.60	3,791.52	3,849.43	3,907.35	3,965.27	4,023.19	4,081.11	4,139.03	4,196.95	4,254.87	4,312.78	4,370.70	4,428.62	4,486.54	4,544.46	4,602.38	4,660.30	4,718.22	4,776.13	4,834.05	4,797.76	5,349.17	5,394.56	5,751.20	6,073.33	6,356.28	6,602.97
Davao del Sur	Don Marcelino	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Hagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Jose Abad Santos	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Kiblawan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Magsaysay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Malalag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Malita	687.95	703.25	718.55	733.84	749.14	764.44	779.73	795.03	810.33	825.62	840.92	856.22	871.51	886.81	902.11	917.40	932.70	948.00	963.29	978.59	993.89	1,009.18	1,024.48	1,039.77	1,055.07	1,070.37	1,085.66	1,100.96	1,116.26	1,131.55	1,146.85	1,162.15	1,177.44	1,192.74	1,208.04	1,223.33	1,238.63	1,253.93	1,269.22	1,284.52	1,299.82	1,335.51	1,404.83	1,427.02	1,530.46	1,624.67	1,708.26	1,781.17
Davao del Sur	Matanao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Padada	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Santa Cruz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Santa Maria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao del Sur	Sulop	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Baganga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Banaybanay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Boston	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Caraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Cateel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Governor Generoso	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Lupon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Manay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Mati City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	San Isidro	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Davao Oriental	Tarragona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Arakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Magpet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Makilala	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
North Cotabato	Tulunan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Alabel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Glan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Kiamba	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Maasim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Malapatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sarangani	Malungon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	General Santos City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Lake Sebu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Polomolok	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Tampakan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	T'Boli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
South Cotabato	Tupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sultan Kudarat	Columbio	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Barobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Bayabas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Bislig City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Cagwait	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Cantilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Carmen	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Carrascal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Cortes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Hinatuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Lanuza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Lianga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Lingig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Madrid	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Marihatag	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	San Agustin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Tagbina	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Tago	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Surigao del Sur	Tandag City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total		5,119.54	5,687.43	6,255.33	6,823.23	7,391.13	7,959.02	8,526.92	9,094.82	9,662.71	10,230.61	10,798.51	11,366.40	11,934.30	12,502.20	13,070.09	13,637.99	14,205.89	14,773.78	15,341.68	15,909.58	16,477.47	17,045.37	17,613.27	18,181.16	18,749.06	19,316.96	19,884.85	20,452.75	21,020.65	21,588.55	22,156.44	22,724.34	23,292.24	23,860.13	24,428.03	24,995.93	25,563.82	26,131.72	26,699.62	27,267.51	27,835.41	29,303.83	31,299.13	33,786.96	35,736.94	39,211.92	42,750.24	46,363.28

Note: The name of province of Compostela Valley was changed as Davao de Oro in 2019.

Source: JICA Survey Team

(3) Estimated Sub-Basin-wise Other Water Demands

Table DBH-74 Estimated Other Water Demands by Sub-Basin (SW) [WRR-XI] (m^3/day)

Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C1039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1042	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1089	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1246	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1253	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: JICA Survey Team

Table DBH-75 Estimated Other Water Demands by Sub-Basin (GW) [WRR-XI] (m^3/day)

Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C67	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C97	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C151	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C154	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C209	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C216	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C218	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C247	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C255	10	13	16	19	22	24	27	30	33	36	38	41	44	47	50	53	55	58	61	64	67	70	72	75	78	81	84	87	89	92	95	98	101	103	106	109	112	115	118	120	123	132	139	153	162	179	197	216
C259	17	22	27	31	36	41	45	50	55	60	64	69	74	79	83	88	93	97	102	107	112	116	121	126	131	135	140	145	149	154	159	164	168	173	178	182	187	192	197	201	206	220	233	256	271	300	330	362
C261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C265	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C266	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C268	42	53	64	76	87	99	110	122	133	145	156	168	179	191	202	214	225	237	248	260	271	283	294	306	317	329	340	352	363	375	386	398	409	421	432	444	455	467	478	490	501	535	567	623	658	729	803	879
C269	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C274	15	15	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	21	21	22	23	23	24
C275	57	73	89	104	120	136	152	167	183	199	215	230	246	262	278	294	309	325	341	357	372	388	404	420	435	451	467	483	499	514	530	546	562	577	593	609	625	640	656	672	688	735	778	856	903	1,001	1,102	1,207
C276	22	29	35	41	47	53	60	66	72	78	85	91	97	103	109	116	122	128	134	140	147	153	159	165	171	178	184	190	196	202	209	215	221	227	234	240	246	252	258	265	271	289	306	337	356	394	434	475
C278	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C283	21	27	33	39	45	50	56	62	68	74	80	86	91	97	103	109	115	121	127	132	138	144	150	156	162	168	173	179	185	191	197	203	209	214	220	226	232	238	244	250	255	273	289	318	335	372	409	448
C284	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C288	38	49	59	70	80	91	101	112	122	133	143	154	165	175	186	196	207	217	228	238	249	259	270	280	291	302	312	323	333	344	354	365	375	386	396	407	417	428	439	449	460	491	520	572	604	669	736	806
C290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C294	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C295	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C297	2	2	3	3	3	4	4	5	5	6	6	7	7	7	8	8	9	9	10	10	11	11	12	12	12	13	13	14	14	15	15	16	16	16	17	17	18	18	19	19	20	21	22	24	26	29	31	34
C303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C308	42	53	65	76	88	99	111	122	134	145	157	168	180	191	203	214	226	237	249	260	272	283	295	306	317	329	340	352	363	375	386	398	409	421	432	444	455	467	478	490	501	536	568	624	658	729	803	880
C309	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C313	32	32	32	33	33	33	33	34	34	34	34	35	35	35	35	36	36	36	36	37	37	37	37	38	38	38	38	39	39	39	39	40	40	40	40	41	41	41	41	42	42	43	44	44	46	47	49	50
C314	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C317	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C318	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C321	84	108	131	154	178	201	225	248	271	295	318	341	365	388	411	435	458	482	505	528	552	575	598	622	645	668	692	715	738	762	785	809	832	855	879	902	925	949	972	995	1,019	1,088	1,153	1,268	1,338	1,482	1,632	1,788
C323	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C325	21	21	22	22	22	22	22	22	23	23	23	23	23	23	24	24	24	24	24	24	25	25	25	25	25	25	26	26	26	26	26	26	27	27	27	27	27	27	28	28	28	28	29	29	30	31	32	33
C326	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C327	36	46	56	66	76	86	96	106	116	126	136	146	156	166	176	186	196	206	216	226	236	246	256	266	275	285	295	305	315	325	335	345	355	365	375	385	395	405	415	425	435	465	492	541	571	633	697	763
C331	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C341	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C357	55	70	85	100	115	130	145	160	176	191	206	221	236	251	266	281	297	312	327	342	357	372	387	402	417	433	448	463	478	493	508	523	538	554	569	584	599	614	629	644	659	704	746	820	866	959	1,056	1,157
C359	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C364	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C368	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C384	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C386	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C389	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C398	65	83	101	119	137	154	172	190	208	226	244	262	280	298	316	334	352	370	388	406	423	441	459	477	495	513	531	549	567	585	603	621	639	657	675	692	710	728	746	764	782	835	885	973	1,027	1,138	1,253	1,372
C403	21	27	33	39	44	50	56	62	68	74	80	85	91	97	103	109	115	120	126	132	138	144	150	156	161	167	173	179	185	191	196	202	208	214	220	226	231	237	243	249	255	272	288	317	335	371	408	447
C407	49	63	76	90	103	117	130	144	157	171	185	198	212	225	239	252	266	280	293	307	320	334	347	361	374	388	402	415	429	442	456	469	483	497	510	524	537	551	564	578	591	632	669	736	777	860	947	1,038
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C416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C426	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C429	70	89	109	128	147	167	186	205	225	244	263	283	302	321	341	360	380	399	418	438	457	476	496	515	534	554	573	592	612	631	650	670	689	708	728	747	767	786	805	825	844	901	955	1,050	1,108	1,228	1,352	1,481
C430	36	46	56	66	76	85	95	105	115	125	135	145	155	165	175	185	195	205	214	224	234	244	254	264	274	284	294	304	314	324	334	343	353	363	373	383	393	403	413	423	433	462	490	538	568	630	693	759
C432	45	57	69	82	94	107	119	131	144	156	169	181	193	206	218	230	243	255	268	280	292	305	317	329	342	354	367	379	391	404	416	428	441	453	466	478	490	503	515	527	540	577	611	672	709	785	865	947
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C436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C445	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C466	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C467	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C470	109	122	136	149	162	176	189	202	216	229	242	256	269	282	296	309	322	336	349	362	376	389	402	416	429	442	456	469	482	496	509	522	536	549	562	576	589	602	616	629	642	677	724	783	828	909	993	1,078
C472	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	7	7	7
C474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C476	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C479	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C480	775	793	811	830	848	866	884	902	920	938	956	974	992	1,010	1,028	1,047	1,065	1,083	1,101	1,119	1,137	1,155	1,173	1,191	1,209	1,227	1,246	1,264	1,282	1,300	1,318	1,336	1,354	1,372	1,390	1,408	1,426	1,445	1,463	1,481	1,499	1,488	1,659	1,674	1,785	1,885	1,974	2,052
C482	292	299	306	312	319	326	332	339	346	353	359	366	373	380	386	393	400	406	413	420	427	433	440	447	453	460	467	474	480	487	494	501	507	514	521	527	534	541	548	554	561	557	621	626	667	705	738	766
C488	114	116	119	122	124	127	129	132	135	137	140	142	145	148	150	153	156	158	161	163	166	169	171	174	176	179	182	184	187	190	192	195	197	200	203	205	208	210	213	216	218	217	242	244	260	274	287	298
C489	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C490	440	450	460	470	481	491	501	511	521	531	541	551	562	572	582	592	602	612	622	632	643	653	663	673	683	693	703	713	724	734	744	754	764	774	784	794	805	815	825	835	845	839	935	943	1,005	1,062	1,111	1,154
C491	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C492	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C493	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C496	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C501	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C505	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C507	254	260	266	272	278	284	290	295	301	307	313	319	325	331	336	342	348	354	360	366	372	377	383	389	395	401	407	412	418	424	430	436	442	448	453	459	465	471	477	483	489	485	541	545	581	614	642	667
C511	328	336	343	351	358	366	373	381	388	396	404	411	419	426	434	441	449	456	464	471	479	487	494	502	509	517	524	532	539	547	555	562	570	577	585	592	600	607	615	622	630	625	697	703	750	791	828	861
C512	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C515	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C516	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C531	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C534	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C536	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C538	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C539	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C542	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C544	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C548	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C550	14	14	14	15	15	15	16	16	16	16	17	17	17	18	18	18	19	19	19	20	20	20	20	21	21	21	22	22	22	23	23	23	23	24	24	24	25	25	25	26	26	27	28	28	31	32	34	36
C553	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C561	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C563	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C567	55	56	57	58	60	61	62	63	64	66	67	68	69	71	72	73	74	75	77	78	79	80	82	83	84	85	86	88	89	90	91	92	94	95	96	97	99	100	101	102	103	106	112	114	122	129	136	142
C570	50	52	53	54	55	56	57	58	59	61	62	63	64	65	66	67	68	70	71	72	73	74	75	76	77	78	80	81	82	83	84	85	86	87	89	90	91	92	93	94	95	98	103	105	112	119	125	131
C571	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C579	40	41	42	43	44	44	45	46	47	48	49	50	51	52	53	53	54	55	56	57	58	59	60	61	61	62	63	64	65	66	67	68	69	69	70	71	72	73	74	75	76	78	82	83	89	95	99	104
C582	84	86	88	90	92	94	96	97	99	101	103	105	107	109	111	112	114	116	118	120	122	124	126	127	129	131	133	135	137	139	141	142	144	146	148	150	152	154	156	157	159	164	172	175	188	199	209	218
C584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C591	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	10	10	10	10	11	12	13	13
C606	16	17	17	17	18	18	19	19	19	20	20	20	21	21	21	22	22	23	23	23	24	24	24	25	25	25	26	26	27	27	27	28	28	28	29	29	30	30	30	31	31	32	33	34	36	39	41	42
C622	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C627	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C630	34	35	35	36	37	38	38	39	40	41	41	42	43	44	44	45	46	47	47	48	49	50	50	51	52	53	53	54	55	56	56	57	58	59	59	60	61	62	62	63	64	66	69	70	75	80	84	87
C633	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C641	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C642	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	89	93	95	102	108	113	118
C644	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C649	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C653	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C655	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C662	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C666	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C669	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C670	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C672	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C683	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C688	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C689	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C691	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C712	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C721	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C723	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C727	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C728	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C729	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C734	70	89	108	128	147	166	185	205	224	243	263	282	301	320	340	359	378	398	417	436	455	475	494	513	533	552	571	590	610	629	648	668	687	706	725	745	764	783	803	822	841	898	952	1,047	1,104	1,224	1,347	1,476
C736	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C745	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C748	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C751	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C766	22	28	34	40	47	53	59	65	71	77	83	89	95	102	108	114	120	126	132	138	144	150	157	163	169	175	181	187	193	199	206	212	218	224	230	236	242	248	254	261	267	285	302	332	350	388	427	468
C769	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C784	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C801	10	11	11	11	11	12	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	15	16	16	16	16	17	17	17	17	18	18	18	18	18	19	19	19	19	20	20	21	22	23	25	26	27
C803	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C807	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C813	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C814	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C815	98	101	103	105	107	110	112	114	116	119	121	123	125	128	130	132	134	137	139	141	144	146	148	150	153	155	157	159	162	164	166	168	171	173	175	177	180	182	184	187	189	187	209	211	225	237	248	258
C824	6	8	10	12	14	15	17	19	21	23	24	26	28	30	31	33	35	37	39	40	42	44	46	48	49	51	53	55	57	58	60	62	64	65	67	69	71	73	74	76	78	83	88	97	102	113	125	137
C827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C837	17	22	27	32	37	42	47	51	56	61	66	71	76	80	85	90	95	100	105	109	114	119	124	129	134	138	143	148	153	158	163	168	172	177	182	187	192	197	201	206	211	225	239	263	277	307	338	370
C840	121	124	127	130	132	135	138	140	143	146	148	151	154	157	159	162	165	167	170	173	176	178	181	184	186	189	192	194	197	200	203	205	208	211	213	216	219	221	224	227	230	236	248	252	270	287	302	315
C858	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C859	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C861	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C862	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C863	132	168	205	241	278	314	351	387	424	460	496	533	569	606	642	679	715	752	788	825	861	898	934	971	1,007	1,044	1,080	1,116	1,153	1,189	1,226	1,262	1,299	1,335	1,372	1,408	1,445	1,481	1,518	1,554	1,591	1,699	1,800	1,979	2,088	2,314	2,548	2,791
C869	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C876	66	84	102	120	138	156	174	192	211	229	247	265	283	301	319	338	356	374	392	410	428	446	465	483	501	519	537	555	573	592	610	628	646	664	682	700	718	737	755	773	791	845	895	984	1,039	1,151	1,267	1,388
C877	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C879	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C894	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C899	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C910	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C921	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C929	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	6	6	6
C930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C931	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C932	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C937	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C941	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C950	112	114	117	119	122	124	127	129	132	134	137	139	142	144	147	149	152	154	157	159	162	164	167	169	172	174	177	179	182	184	187	189	191	194	196	199	201	204	206	209	211	217	228	232	249	264	278	290
C953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C956	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C959	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C960	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C969	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C970	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C974	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C977	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C982	141	144	147	150	153	157	160	163	166	170	173	176	179	183	186	189	192	196	199	202	205	208	212	215	218	221	225	228	231	234	238	241	244	247	251	254	257	260	263	267	270	268	299	301	321	339	355	369
C992	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1009	9	12	15	17	20	22	25	27	30	33	35	38	40	43	46	48	51	53	56	59	61	64	66	69	72	74	77	79	82	84	87	90	92	95	97	100	103	105	108	110	113	121	128	141	148	164	181	198
C1014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1015	12	12	13	13	13	14	14	14	14	15	15	15	15	16	16	16	17	17	17	17	18	18	18	18	19	19	19	20	20	20	20	21	21	21	21	22	22	22	23	23	23	24	25	25	27	29	30	32
C1020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1022	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1028	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1031	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1032	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1041	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1042	17	17	17	17	17	18	18	18	18	18	18	18	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	22	22	22	22	22	22	23	23	23	24	25	26	26
C1049	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1054	45	57	70	82	95	107	119	132	144	157	169	182	194	206	219	231	244	256	269	281	293	306	318	331	343	356	368	380	393	405	418	430	442	455	467	480	492	505	517	529	542	579	613	674	711	788	868	951
C1055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1060	101	129	157	185	212	240	268	296	324	352	380	408	436	464	492	520	547	575	603	631	659	687	715	743	771	799	827	854	882	910	938	966	994	1,022	1,050	1,078	1,106	1,134	1,161	1,189	1,217	1,300	1,378	1,515	1,598	1,771	1,950	2,136
C1061	15	19	24	28	32	36	40	45	49	53	57	61	66	70	74	78	82	87	91	95	99	103	108	112	116	120	124	129	133	137	141	145	150	154	158	162	166	171	175	179	183	196	207	228	240	266	293	321
C1066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1089	28	36	43	51	59	66	74	82	90	97	105	113	120	128	136	143	151	159	167	174	182	190	197	205	213	221	228	236	244	251	259	267	275	282	290	298	305	313	321	328	336	359	380	418	441	489	538	590
C1090	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1091	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1097	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1098	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1110	49	63	77	90	104	118	131	145	159	172	186	200	213	227	241	254	268	282	295	309	323	336	350	364	377	391	405	418	432	446	459	473	487	500	514	528	541	555	569	582	596	636	674	741	782	867	954	1,045
C1122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1137	7	7	7	7	8	8	8	8	8	8	8	9	9	9	9	9	9	10	10	10	10	10	10	11	11	11	11	11	11	11	12	12	12	12	12	12	13	13	13	13	13	13	15	15	16	17	17	18
C1138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1153	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1164	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	14	14	14	15	15	15
C1166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1201	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1204	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1210	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3
C1211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1220	66	84	102	120	138	156	175	193	211	229	247	266	284	302	320	338	356	375	393	411	429	447	465	484	502	520	538	556	574	593	611	629	647	665	683	702	720	738	756	774	792	846	897	986	1,040	1,153	1,269	1,390
C1223	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
C1231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1234	11	14	17	20	23	26	29	32	35	38	41	44	47	50	53	56	59	62	65	68	71	74	77	80	82	85	88	91	94	97	100	103	106	109	112	115	118	121	124	127	130	139	147	162	171	190	209	229
C1235	67	85	104	122	141	159	177	196	214	233	251	270	288	307	325	344	362	380	399	417	436	454	473	491	510	528	547	565	583	602	620	639	657	676	694	713	731	750	768	787	805	860	911	1,002	1,057	1,171	1,289	1,412
C1236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1242	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
C1246	14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	19	19	20	21	21	22
C1248	14	15	15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	18	19	19	19	19	19	19	20	20	21	21	22	22
C1250	103	132	160	189	217	246	274	303	331	360	389	417	446	474	503	531	560	588	617	645	674	703	731	760	788	817	845	874	902	931	959	988	1,016	1,045	1,074	1,102	1,131	1,159	1,188	1,216	1,245	1,330	1,409	1,549	1,634	1,811	1,994	2,184
C1253	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5
C1256	99	126	154	181	209	236	263	291	318	346	373	401	428	455	483	510	538	565	592	620	647	675	702	729	757	784	812	839	866	894	921	949	976	1,003	1,031	1,058	1,086	1,113	1,140	1,168	1,195	1,277	1,353	1,487	1,569	1,739	1,915	2,097

Source: JICA Survey Team

1.3 WRR-V (Bicol)

1.3.1 Irrigation Water Demand

(1) Area [km^2] of Sub-Basin in Municipality

Table DBH-76 Area [km^2] of Sub-Basin in Municipality [WRR-V] (1/2)

Sub-Basin	Masbate	Camarines Sur	Camarines Sur	Sorsogon	Camarines Sur	Camarines Sur	Catanduanes	Quezon	Camarines Sur	Camarines Sur	Camarines Sur	Catanduanes	Albay	Albay	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Masbate	Masbate	Masbate	Masbate	Catanduanes	Catanduanes	Catanduanes	Catanduanes	Catanduanes	Catanduanes	Masbate	Masbate	Masbate	Masbate	Masbate	Masbate	Masbate	Masbate	Masbate	Sorsogon	Catanduanes	Camarines Sur	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Albay	Albay	Albay	Albay	Albay	Sorsogon	Albay	Albay	Albay	Albay
	Batuan	Naga City	Pamplona	Pilar	San Fernando	San Jose	San Miguel	Tagkawayan	Tinambac	Libmanan	Cabusao	San Andres	Bacacay	Rapu-Rapu	Bulusan	Irosin	Bulan	Matnog	Aroroy	Mobo	Masbate City	Mandaon	Gigmoto	Baras	Panganiban	Bagamanoc	Viga	Virac	Placer	Milagros	Palanas	Cataingan	Cawayan	Dimasalang	Uson	Baleno	San Pascual	Santa Magdalena	Caramoran	Goa	Sorsogon City	Prieto Diaz	Gubat	Casiguran	Barcelona	Juban	Magallanes	Castilla	Manito	Legazpi City	Daraga	Santo Domingo	Malilipot	Donsol	Jovellar	Libon	Oas	Ligao City
C0								7.66																																																		
C1									6.97																																																	
C2										1.68	8.37																																															
C3												7.34																																														
C4													8.07																																													
C5														10.91																																												
C6															7.18	0.21																																										
C7																	7.11																																									
C8																	8.49	3.89																																							
C9																		11.84																																							
C10																		8.88																																							
C11																			3.10																																						
C12																				5.92	3.52																																				
C13																						2.09																																			
C14																							12.22	20.62																																	
C15																									13.99	0.04																															
C16																									15.15		2.95																														
C17																												11.42																													
C18																												11.41																													
C19																													30.67																												
C20																														13.20																											
C21																														20.01																											
C22																						22.99								16.09																											
C23																			20.25																																						
C24																						18.07								32.45																											
C25																						14.51								12.31																											
C26																				0.45	31.69																																				
C27																				13.79																																					
C28																															13.72																										
C29																																24.07																									
C30																														29.33			4.82																								
C31																															18.04			19.15																							
C32																																	0.98	7.22	32.87																						
C33																														35.42																											
C34																			24.11																	25.16																					
C35																																					17.89																				
C36																																					15.23																				
C37																						25.35																																			
C38																			21.62			3.84																																			
C39																	15.45																																								
C40																14.07	12.55	15.21																				0.01																			
C41							26.57																43.43	4.16			5.93												3.51																		
C42							46.47																																14.34																		
C43																									0.44		2.74												58.33																		
C44									29.72																																																
C45									40.79																																																
C46									10.46																																																
C47																																								46.60																	
C48														14.30																																											
C49																																									6.45	8.10															
C50																																									2.34	0.34	5.68														
C51																																									0.70			9.10													
C52															0.10	8.43																						9.12																			
C53																																											17.41	2.34	0.91												
C54																																												0.05		11.31											
C55																	9.68																													4.98	4.79										
C56															18.59																														9.01												
C57															2.95																												3.92	5.70	30.82												
C58															17.29	0.01																																									
C59																	27.04																																								
C60				5.71																																											16.61									
C61																																									20.95								50.66								
C62				3.04																																												0.74		16.91							
C63																																																		18.82	5.47						
C64																																																		11.51	0.01						
C65																																																		4.04	0.03						
C66																																																		9.84	0.00	22.96	0.06				
C67																																																		5.84	6.60						
C68																																																						33.47	1.44		
C69				5.33																																																		16.54			
C70				32.91																																																		17.27			
C71																																																								6.46	52.63	29.20
C72																																																					0.01					20.17
C73																																																					6.42				
C74													11.84																																						17.41	0.00				
C75																																																										
C76																																																										
C77																																																										
C78																																								2.13																	
C79																																																										
C80																																																										
C81																																																					0.05				
C82																																																										
C83																																																								64.86	0.61	
C84																																																									3.45	12.75
C85																																																										
C86																																																										
C87																																																										
C88																																																										
C89		0.00																																																							
C90																																																										
C91																																																										39.70
C92																																																									9.74	8.66
C93																																																										
C94																																								4.49																	
C95		0.03																																																							
C96		0.29																																																							
C97									4.76																														0.01																	
C98																																																										
C99										13.49	14.00																																															
C100																																																										
C101										8.64																																															
C102											1.57																																														
C103										37.17																																															
C104		2.29	0.02																																																						
C105		5.69																																																							
C106		23.37																																																							
C107		2.19																																																							
C108									34.48																														12.32																	
C109																																																										
C110																																																										
C111																																																										
C112																																																								0.78		
C113																																																										
C114																																																										
C115		30.56																																																							
C116										10.90																																															
C117																																																										
C118								0.05																																																	
C119																																																										
C120		0.01				15.90																																		26.49																	
C121																																																										
C122																																																										
C123																																																										
C124																																																										
C125																																																										
C126										49.85	2.08																																															
C127			22.89							31.75																																															
C128																																																		0.00	0.82	0.00					
C129																																																		0.00	0.00	0.01	0.01					2.60
C130																																																									19.36	22.33
C131																																																										
C132																																																										
C133																																																										
C134			0.03							32.01																																															
C135										4.11	0.65																																															
C136																																																										
C137																																																										
C138																																																								0.78	0.40	
C139																																																								32.86		
C140										53.30																																															
C141			33.07		14.20																																																					
C142		13.68			21.49																																																					
C143																																																										
C144																																																										
C145																																																								59.89	12.92	
C146																																																										
C147																																																								2.56	33.88	23.18
C148																																																										
C149																																																										
C150																																																										
C151									27.60																														41.74																	
C152									5.00																																																
C153																																								28.15																	
C154						16.37																																		18.41																	
C155																							0.04		1.72		70.35												7.39																		
C156							78.01																	10.56				1.06																													
C157																																							37.99																		
C158																										0.86													44.53																		
C159												32.56																																													
C160																										12.75													9.30																		
C161																									17.09	37.60													3.54																		
C162																							21.56		0.15		40.56																														
C163			23.72		11.30					7.02																																															
C164								30.59																																																	
C165																																																										
C166								48.88																																																	
C167								18.68																																																	
C168								76.29																																																	
C169								8.26																																																	
C170																																																										
C171																																																										
C172																																																										
C173																																																										
C174								32.69																																																	
C175								25.45																																																	
C176																																																										
C177																																																										
C178																																																										
C179																																																										
C180																																																										
C181																																																										
C182								42.67																																																	
C183																																																										
C184																																																										
C185																																																										
C186																																																						50.52	9.83			
C187																																																								10.13	56.16	12.01
C188																																					18.75																				
C189																																																										
C190																													7.83			0.01																										
C191																																																										
C192																			60.64																																						
C193																			4.32			68.80								18.08						0.97																					
C194																			56.69		3.88									10.14						68.58																					
C195																					13.64															59.47																					
C196																													53.22		28.05																										
C197																				83.04	0.46																																				
C198																				12.88										15.19			0.31		75.89																						
C199																														4.15			54.67		5.47																						
C200																															3.92			26.35	15.03																						
C201																				0.81										89.42																											
C202																																																										
C203																													28.32		3.02		108.94	13.75	0.77																						
C204																													55.20		25.69	37.56																									
C205																	0.87																												4.74	67.51										
C206																5.76		48.72																				16.09																			
C207															7.92	61.90	0.48																																									
C208															3.89	1.82																												14.15		47.17											
C209																																									83.93			1.36													
C210																																																		23.50	24.02						
C211																																																		0.25	40.30	0.00					
C212																																																							3.57		2.83	55.24
C213																																																							2.87			
C214																																																			10.22				8.99			
C215				9.30																																														35.48			2.08	12.71			
C216				21.56																																													13.51	10.00						
C217				16.40																																														2.80						
C218																																									0.68							65.06	2.83	0.03							
C219				21.30																																												76.75		5.32							
C220																																																										
C221																																																										
C222								61.18																																																	
C223								21.34																																																	
C224																																																										
C225							20.94					34.44																90.96																													
C226													17.72																																													
C227																																																										
C228																																																										
C229								8.22																																																	
C230																																																										
C231																																																										
C232																36.50	5.37																												21.81											
C233													0.36																																						1.59	30.12				
C234																																																										
C235																																																										
C236																																																						3.67	42.85			
C237																																			6.76																						
C238																																																										
C239	18.21				30.72																																																					
C240															1.38																												34.73													
C241																																																										
C242																														61.01																											
Total	18.21	78.12	79.74	115.56	77.71	32.27	171.99	381.96	159.78	249.92	26.67	74.35	37.99	25.21	59.30	128.69	87.03	88.53	190.72	116.89	53.19	155.65	77.25	35.34	48.55	51.25	122.52	114.85	175.25	356.78	92.44	61.64	169.73	66.47	136.79	154.17	51.86	25.22	178.93	180.34	115.06	8.45	27.01	67.42	40.74	90.01	72.30	159.15	53.49	109.57	135.75	41.98	36.68	123.56	82.27	178.32	191.99	225.82

Source: JICA Survey Team

Table DBH-77 Area [km^2] of Sub-Basin in Municipality [WRR-V] (2/2)

Sub-Basin	Camarines Sur	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Sorsogon	Albay	Albay	Albay	Albay	Albay	Sorsogon	Albay	Albay	Albay	Albay	Albay	Albay	Albay	Albay	Albay	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Norte	Camarines Norte	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Albay	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Norte	Camarines Norte	Camarines Norte	Camarines Sur	Albay	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Camarines Sur	Catanduanes	Quezon	Camarines Norte	Camarines Norte	Camarines Norte	Camarines Norte	Camarines Norte	Camarines Norte	Camarines Norte	Albay	Masbate	Masbate	Masbate	Masbate	Masbate	Masbate	Total
	Goa	Sorsogon City	Prieto Diaz	Gubat	Casiguran	Barcelona	Juban	Magallanes	Castilla	Manito	Legazpi City	Daraga	Santo Domingo	Malilipot	Donsol	Jovellar	Libon	Oas	Ligao City	Guinobatan	Tabaco City	Tiwi	Polangui	Malinao	Buhi	Sagnay	Tigaon	Calabanga	Buhi Lake	Iriga City	Bombon	Pili	Ocampo	Magarao	Canaman	Minalabac	Sipocot	Mercedes	Basud	Milaor	Gainza	Camaligan	Nabua	Baao	Bula	Bato Lake	Bato	Balatan	Lupi	Ragay	San Lorenzo Ruiz	San Vicente	Labo	Del Gallego	Camalig	Pasacao	Presentacion	Caramoan	Garchitorena	Lagonoy	Siruma	Pandan	Guinayangan	Jose Panganiban	Capalonga	Vinzons	Talisay	Daet	Paracale	Santa Elena	Pio Duran	Claveria	Pio V. Corpuz	Esperanza	Balud	Monreal	San Jacinto	
C0																																																																													7.66
C1																																																																													6.97
C2																																																																													10.05
C3																																																																													7.34
C4																																																																													8.07
C5																																																																													10.91
C6																																																																													7.40
C7																																																																													7.11
C8																																																																													12.38
C9																																																																													11.84
C10																																																																													8.88
C11																																																																													3.10
C12																																																																													9.44
C13																																																																													2.09
C14																																																																													32.84
C15																																																																													14.03
C16																																																																													18.10
C17																																																																													11.42
C18																																																																													11.41
C19																																																																													30.67
C20																																																																													13.20
C21																																																																													20.01
C22																																																																													39.08
C23																																																																													20.25
C24																																																																													50.52
C25																																																																													26.82
C26																																																																													32.14
C27																																																																													13.79
C28																																																																													13.72
C29																																																																													24.07
C30																																																																													34.15
C31																																																																													37.19
C32																																																																													41.07
C33																																																																													35.42
C34																																																																													49.26
C35																																																																													17.89
C36																																																																													15.23
C37																																																																													25.35
C38																																																																													25.46
C39																																																																													15.45
C40																																																																													41.84
C41																																																																													83.60
C42																																																																													60.82
C43																																																																													61.51
C44																																																																													29.72
C45																																																																													40.79
C46																																																																													10.46
C47	46.60																																																																												46.60
C48																																																																													14.30
C49		6.45	8.10																																																																										14.56
C50		2.34	0.34	5.68																																																																									8.36
C51		0.70			9.10																																																																								9.80
C52																																																																													17.64
C53				17.41	2.34	0.91																																																																							20.66
C54					0.05		11.31																																																																						11.36
C55							4.98	4.79																																																																					19.45
C56						9.01																																																																							27.60
C57				3.92	5.70	30.82																																																																							43.39
C58																																																																													17.30
C59																																																																													27.04
C60									16.61																																																																				22.32
C61		20.95								50.66																																																																			71.61
C62									0.74		16.91																																																																		20.69
C63											18.82	5.47																																																																	24.29
C64											11.51	0.01																																																																	11.52
C65											4.04	0.03																																																																	4.07
C66											9.84	0.00	22.96	0.06																																																															32.87
C67											5.84	6.60																																																																	12.44
C68															33.47	1.44																																																													34.91
C69															16.54																																																														21.87
C70															17.27																																																														50.19
C71																	6.46	52.63	29.20																																																										88.29
C72														0.01					20.17	12.52	0.75																																																								33.45
C73														6.42							15.53																																																								21.95
C74													17.41	0.00																																																															29.26
C75																						3.04	10.59	3.64	4.72																																																				22.00
C76																						15.96		2.35																																																					18.32
C77																										26.82	15.85																																																		42.66
C78	2.13																										14.38																																																		16.50
C79																						37.32			0.01	2.48																																																			39.81
C80																						0.07		23.59																																																					23.65
C81														0.05							27.32			7.05																																																					34.42
C82																												8.11																																																	8.11
C83																	64.86	0.61																																																											65.47
C84																		3.45	12.75		35.47		3.75	26.66																																																					82.09
C85																						2.48			47.00				1.16																																																50.64
C86																									31.65					7.31																																															38.97
C87																												16.86																																																	16.86
C88																												13.87			1.45																																														15.32
C89																																12.62																																													12.62
C90																									10.77					11.81																																															22.58
C91																			39.70	37.28																																																									76.98
C92																		9.74	8.66				0.01																																																						18.41
C93																									7.01	32.55				8.61																																															48.16
C94	4.49																									4.26	27.62						9.48																																												45.85
C95																												0.00				8.79	36.05																																												44.88
C96																												10.07			26.99			10.04	4.83																																										52.22
C97	0.01																											31.72																																																	36.49
C98																																				41.49																																									41.49
C99																												2.31			2.76			0.00																																											32.56
C100																																					19.76	6.78	1.23																																						27.77
C101																																					7.02																																								15.65
C102																																					16.46																																								18.04
C103																																					3.48																																								40.64
C104																																			17.95					10.07	8.23	8.96																																			47.54
C105																												38.73			2.56																																														46.98
C106																												1.39				2.66																																													27.42
C107																												0.35				48.01				19.86				0.68																																					71.08
C108	12.32																											1.24																																																	48.04
C109																														24.26													6.15	47.95																																	78.36
C110																																											0.26	20.21	21.92																																42.38
C111																							37.99	0.22																																																					38.21
C112																	0.78																										11.18			11.37	14.17																														37.50
C113																																											21.35	7.36	19.21			9.74																													57.65
C114																																											36.30			0.01	13.88	13.67																													63.85
C115																															3.82			8.29	1.63																																										44.30
C116																																					23.83												7.71																												42.43
C117																																																	53.28	4.62																											57.90
C118																																																	32.07	0.45	8.27	0.00	0.06	49.51																							90.43
C119																																					1.98		18.50										19.29		3.18																										42.94
C120	26.49																										0.31	0.68				0.01	0.18																																												43.58
C121																																						19.31	29.03																																						48.34
C122																																																						36.92																							36.92
C123																																					5.84		6.17										27.34																												39.35
C124																																					16.18												44.88	11.39																											72.45
C125																																					52.83	1.04	11.18										15.70																												80.75
C126																																					0.02																																								51.95
C127																																			1.39																																										56.03
C128											0.00	0.82	0.00							18.62																																			43.89																						63.33
C129											0.00	0.00	0.01	0.01					2.60	25.69	0.01																																		2.88																						31.20
C130																		19.36	22.33				23.55																																																						65.24
C131																										0.34				14.37			21.87											17.59																																	54.17
C132																											0.93						52.62																																												53.56
C133																																17.47				15.27																																									32.75
C134																															3.08			19.74	8.30																																										63.16
C135																																					68.67												0.30																												73.73
C136																						14.23			51.96				16.29	1.57																																															84.05
C137																							31.45		13.67					5.67																																															50.79
C138																	0.78	0.40					35.00																																																						36.18
C139																	32.86																													16.44	19.59																														68.89
C140																																																																													53.30
C141																																			2.37					7.12	4.19															3.25																					64.20
C142																																2.37				22.54				16.31																																					76.38
C143																																24.44	8.04											13.47	11.60																																57.54
C144																														56.44													21.45				1.79																														79.68
C145																	59.89	12.92					6.67							0.10																0.02	1.46																														81.07
C146																																7.35				20.75									44.27																																72.37
C147																	2.56	33.88	23.18																																																										59.62
C148																																																									16.15	82.18																			98.33
C149																																																									30.29	45.43	77.77																		153.48
C150																																																												85.78																	85.78
C151	41.74																																																											54.36																	123.70
C152																																																													28.79																33.79
C153	28.15																																																											62.82																	90.98
C154	18.41																																																										13.09	42.39																	90.26
C155																																																																													79.50
C156																																															6.99																														96.62
C157																																																																													37.99
C158																																																														0.34															45.72
C159																																																																													32.56
C160																																																														60.94															82.99
C161																																																																													58.24
C162																																																																													62.27
C163																																																								68.15																					110.20
C164																																																															3.57														34.16
C165																																							23.61												24.67																										48.28
C166																																																					0.50																								49.38
C167																																																																													18.68
C168																																																																													76.29
C169																																																						51.72																							59.97
C170																																																						25.35																							25.35
C171																																																					10.24											43.47	0.10												53.81
C172																																																					44.28											2.62													46.90
C173																																																					17.99																								17.99
C174																																																					2.67	11.75																							47.11
C175																																																					33.31																								58.75
C176																																																																63.72													63.72
C177																																						0.44													34.38	44.39	7.91	0.01												0.41	25.20	29.42									142.16
C178																																							53.54												2.18																										55.71
C179																																						4.51	27.42																																						31.93
C180																																																					33.21											4.90					3.42								41.54
C181																																																		3.22				17.19																							20.41
C182																																																					101.80												1.62					1.11							147.21
C183																																																					40.73																								40.73
C184																																																					67.93																								67.93
C185																																																					27.14																12.47								39.61
C186															50.52	9.83																																																							5.57						65.93
C187																	10.13	56.16	12.01																																																										78.31
C188																																																																								8.81					27.55
C189																																																																								19.25					19.25
C190																																																																									47.45	38.90			94.20
C191																																																																											68.47		68.47
C192																																																																													60.64
C193																																																																													92.16
C194																																																																													139.28
C195																																																																													73.10
C196																																																																													81.27
C197																																																																													83.50
C198																																																																													104.27
C199																																																																													64.29
C200																																																																													45.29
C201																																																																													90.23
C202																																																																												29.52		29.52
C203																																																																													154.80
C204																																																																													118.45
C205							4.74	67.51																																																																					73.12
C206																																																																													70.57
C207																																																																													70.30
C208					14.15		47.17																																																																						67.03
C209		83.93			1.36																																																																								85.29
C210											23.50	24.02																																											25.59																						73.10
C211											0.25	40.30	0.00																																										2.81																						43.36
C212																3.57		2.83	55.24	54.20																																			0.96																40.73						157.53
C213																2.87				25.89																																			37.51																						66.28
C214												10.22				8.99																																							21.28																						40.50
C215												35.48			2.08	12.71																																							0.79																						60.36
C216											13.51	10.00																																																																	45.06
C217												2.80																																																																	19.20
C218		0.68							65.06	2.83	0.03																																																																		68.60
C219									76.75		5.32																																																																		103.37
C220																																																	21.07	47.23				8.87																							77.16
C221																																																		62.13				36.33																							98.46
C222																																																						14.82																							76.00
C223																																																					139.63											0.83	1.08												162.89
C224																																																					32.84																								32.84
C225																																																																													146.34
C226																																																																													17.72
C227																																																		118.41				1.39																							119.80
C228																																																																		8.12			23.12								31.25
C229																																																					5.17										8.89	11.06	159.93					140.75							334.02
C230																																							17.15												23.84																										40.99
C231																																							46.90												1.40																										48.30
C232							21.81																																																																						63.68
C233													1.59	30.12							0.24																																																								32.31
C234																																																											53.46	48.47																	101.93
C235																					0.88			27.71																																																					28.60
C236															3.67	42.85																																							0.91																17.58						65.02
C237																																																																													6.76
C238																																											0.00		47.61																																47.61
C239																																																																													64.83	113.76
C240					34.73																																																																								36.11
C241																																																																29.91					47.75								77.66
C242																																																																													61.01
Total	180.34	115.06	8.45	27.01	67.42	40.74	90.01	72.30	159.15	53.49	109.57	135.75	41.98	36.68	123.56	82.27	178.32	191.99	225.82	174.20	80.20	73.10	149.00	91.23	166.79	66.45	59.09	125.32	17.45	130.15	40.67	123.72	128.26	38.07	36.48	119.91	216.06	32.08	234.73	34.18	12.42	8.96	96.69	106.58	144.59	27.83	57.88	23.41	221.65	247.45	97.92	44.40	565.41	253.86	136.63	71.41	46.44	127.61	144.31	293.82	28.79	61.28	12.46	156.50	162.73	8.53	25.20	29.42	86.76	141.86	63.89	28.06	47.45	38.90	68.47	29.52	64.83	12,189.45

Source: JICA Survey Team

(2) Municipality-wise Irrigation Area

Table DBH-78 Municipality-wise Irrigation Area [ha] by NIA Irrigation Inventory in 2020 [WRR-V]

Irrigation Area (ha), SW, Wet Season

Province Name	Municipality Name	Province						
		Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Masbate	Batuan	0.00	0.00	0.00	0.00	0.00	35.00	0.00
Camarines Sur	Naga City	0.00	441.23	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pamplona	0.00	768.67	0.00	0.00	0.00	0.00	0.00
Sorsogon	Pilar	0.00	0.00	0.00	0.00	0.00	138.67	0.00
Camarines Sur	San Fernando	0.00	183.11	0.00	0.00	0.00	310.00	0.00
Camarines Sur	San Jose	0.00	1,452.70	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Miguel	0.00	0.00	169.00	0.00	0.00	0.00	0.00
Quezon	Tagkawayan	350.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tinambac	0.00	387.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Libmanan	0.00	526.15	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Cabusao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Andres	0.00	0.00	162.00	0.00	0.00	0.00	0.00
Albay	Bacacay	0.00	0.00	0.00	888.00	0.00	0.00	0.00
Albay	Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulusan	0.00	0.00	0.00	0.00	0.00	53.65	0.00
Sorsogon	Irosin	0.00	0.00	0.00	0.00	0.00	1,374.00	0.00
Sorsogon	Bulan	0.00	0.00	0.00	0.00	0.00	1,274.00	0.00
Sorsogon	Matnog	0.00	0.00	0.00	0.00	0.00	267.00	0.00
Masbate	Aroroy	0.00	0.00	0.00	0.00	0.00	82.00	0.00
Masbate	Mobo	0.00	0.00	0.00	0.00	0.00	109.00	0.00
Masbate	Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mandaon	0.00	0.00	0.00	0.00	0.00	140.00	0.00
Catanduanes	Gigmoto	0.00	0.00	92.00	0.00	0.00	0.00	0.00
Catanduanes	Baras	0.00	0.00	100.00	0.00	0.00	0.00	0.00
Catanduanes	Panganiban	0.00	0.00	155.00	0.00	0.00	0.00	0.00
Catanduanes	Bagamanoc	0.00	0.00	135.00	0.00	0.00	0.00	0.00
Catanduanes	Viga	0.00	0.00	568.00	0.00	0.00	0.00	0.00
Catanduanes	Virac	0.00	0.00	76.00	0.00	0.00	0.00	0.00
Masbate	Placer	0.00	0.00	0.00	0.00	0.00	90.00	0.00
Masbate	Milagros	0.00	0.00	0.00	0.00	0.00	1,230.00	0.00
Masbate	Palanas	0.00	0.00	0.00	0.00	0.00	119.00	0.00
Masbate	Cataingan	0.00	0.00	0.00	0.00	0.00	238.00	0.00
Masbate	Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Dimasalang	0.00	0.00	0.00	0.00	0.00	163.00	0.00
Masbate	Uson	0.00	0.00	0.00	0.00	0.00	385.00	0.00
Masbate	Baleno	0.00	0.00	0.00	0.00	0.00	107.00	0.00
Masbate	San Pascual	0.00	0.00	0.00	0.00	0.00	2.00	0.00
Sorsogon	Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Caramoran	0.00	0.00	67.00	0.00	0.00	0.00	0.00
Camarines Sur	Goa	0.00	430.46	0.00	0.00	0.00	0.00	0.00
Sorsogon	Sorsogon City	0.00	0.00	0.00	0.00	0.00	1,447.75	0.00
Sorsogon	Prieto Diaz	0.00	0.00	0.00	0.00	0.00	230.00	0.00
Sorsogon	Gubat	0.00	0.00	0.00	0.00	0.00	974.14	0.00
Sorsogon	Casiguran	0.00	0.00	0.00	0.00	0.00	642.00	0.00
Sorsogon	Barcelona	0.00	0.00	0.00	0.00	0.00	538.76	0.00
Sorsogon	Juban	0.00	0.00	0.00	0.00	0.00	473.00	0.00
Sorsogon	Magallanes	0.00	0.00	0.00	0.00	0.00	178.00	0.00
Sorsogon	Castilla	0.00	0.00	0.00	0.00	0.00	934.00	0.00
Albay	Manito	0.00	0.00	0.00	777.29	0.00	0.00	0.00
Albay	Legazpi City	0.00	0.00	0.00	50.00	0.00	0.00	0.00
Albay	Daraga	0.00	0.00	0.00	1,371.00	0.00	0.00	0.00
Albay	Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malilipot	0.00	0.00	0.00	603.00	0.00	0.00	0.00
Sorsogon	Donsol	0.00	0.00	0.00	0.00	0.00	159.00	0.00
Albay	Jovellar	0.00	0.00	0.00	161.50	0.00	0.00	0.00
Albay	Libon	0.00	0.00	0.00	2,433.50	0.00	0.00	0.00
Albay	Oas	0.00	0.00	0.00	2,563.96	0.00	0.00	0.00
Albay	Ligao City	0.00	0.00	0.00	2,416.06	0.00	0.00	0.00
Albay	Guinobatan	0.00	0.00	0.00	1,143.00	0.00	0.00	0.00
Albay	Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tiwi	0.00	0.00	0.00	568.00	0.00	0.00	0.00
Albay	Polangui	0.00	0.00	0.00	2,652.00	0.00	0.00	0.00
Albay	Malinao	0.00	0.00	0.00	1,870.00	0.00	0.00	0.00
Camarines Sur	Buhi	0.00	2,539.58	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tigaon	0.00	1,086.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Calabanga	0.00	1,531.26	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Iriga City	0.00	1,195.79	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bombon	0.00	1,487.06	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pili	0.00	2,783.19	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ocampo	0.00	1,467.52	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Magarao	0.00	961.75	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Canaman	0.00	732.02	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Minalabac	0.00	799.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sipocot	0.00	232.50	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Mercedes	0.00	0.00	0.00	0.00	0.00	0.00	327.00
Camarines Norte	Basud	0.00	0.00	0.00	0.00	0.00	0.00	473.50
Camarines Sur	Milaor	0.00	830.41	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Gainza	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Nabua	0.00	1,953.81	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Baao	0.00	1,786.11	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bula	0.00	1,216.08	0.00	0.00	0.00	0.00	0.00
Albay	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato	0.00	493.60	187.00	0.00	0.00	0.00	0.00
Camarines Sur	Balatan	0.00	151.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lupi	0.00	48.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ragay	0.00	263.87	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	63.00
Camarines Norte	San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	75.00
Camarines Norte	Labo	0.00	0.00	0.00	0.00	0.00	0.00	1,011.00
Camarines Sur	Del Gallego	0.00	122.00	0.00	0.00	0.00	0.00	0.00
Albay	Camalig	0.00	0.00	0.00	1,206.50	0.00	0.00	0.00
Camarines Sur	Pasacao	0.00	50.57	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Caramoan	0.00	32.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Garchitorena	0.00	24.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lagonoy	0.00	843.96	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Siruma	0.00	110.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Pandan	0.00	0.00	79.00	0.00	0.00	0.00	0.00
Quezon	Guinayangan	306.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	35.00
Camarines Norte	Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	265.00
Camarines Norte	Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	797.00
Camarines Norte	Talisay	0.00	0.00	0.00	0.00	0.00	0.00	1,192.50
Camarines Norte	Daet	0.00	0.00	0.00	0.00	0.00	0.00	1,242.00
Camarines Norte	Paracale	0.00	0.00	0.00	0.00	0.00	0.00	321.00
Camarines Norte	Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Pio Duran	0.00	0.00	0.00	567.00	0.00	0.00	0.00
Masbate	Claveria	0.00	0.00	0.00	0.00	0.00	100.00	0.00
Masbate	Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Balud	0.00	0.00	0.00	0.00	0.00	100.00	0.00
Masbate	Monreal	0.00	0.00	0.00	0.00	0.00	158.00	0.00
Masbate	San Jacinto	0.00	0.00	0.00	0.00	0.00	88.00	0.00
	Total	656.00	26,930.40	1,790.00	19,270.81	0.00	12,139.97	5,802.00

Irrigation Area (ha), SW, Dry Season

Municipality Name	Province						
	Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Batuan	0.00	0.00	0.00	0.00	0.00	35.00	0.00
Naga City	0.00	452.71	0.00	0.00	0.00	0.00	0.00
Pamplona	0.00	755.00	0.00	0.00	0.00	0.00	0.00
Pilar	0.00	0.00	0.00	0.00	0.00	133.67	0.00
San Fernando	0.00	164.96	0.00	0.00	0.00	264.00	0.00
San Jose	0.00	1,783.10	0.00	0.00	0.00	0.00	0.00
San Miguel	0.00	0.00	162.20	0.00	0.00	0.00	0.00
Tagkawayan	318.00	0.00	0.00	0.00	0.00	0.00	0.00
Tinambac	0.00	388.75	0.00	0.00	0.00	0.00	0.00
Libmanan	0.00	547.58	0.00	0.00	0.00	0.00	0.00
Cabusao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Andres	0.00	0.00	162.00	0.00	0.00	0.00	0.00
Bacacay	0.00	0.00	0.00	888.00	0.00	0.00	0.00
Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulusan	0.00	0.00	0.00	0.00	0.00	53.65	0.00
Irosin	0.00	0.00	0.00	0.00	0.00	1,375.00	0.00
Bulan	0.00	0.00	0.00	0.00	0.00	1,274.00	0.00
Matnog	0.00	0.00	0.00	0.00	0.00	267.00	0.00
Aroroy	0.00	0.00	0.00	0.00	0.00	82.00	0.00
Mobo	0.00	0.00	0.00	0.00	0.00	109.00	0.00
Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mandaon	0.00	0.00	0.00	0.00	0.00	140.00	0.00
Gigmoto	0.00	0.00	92.00	0.00	0.00	0.00	0.00
Baras	0.00	0.00	100.00	0.00	0.00	0.00	0.00
Panganiban	0.00	0.00	155.00	0.00	0.00	0.00	0.00
Bagamanoc	0.00	0.00	118.00	0.00	0.00	0.00	0.00
Viga	0.00	0.00	566.00	0.00	0.00	0.00	0.00
Virac	0.00	0.00	78.00	0.00	0.00	0.00	0.00
Placer	0.00	0.00	0.00	0.00	0.00	90.00	0.00
Milagros	0.00	0.00	0.00	0.00	0.00	1,280.00	0.00
Palanas	0.00	0.00	0.00	0.00	0.00	116.00	0.00
Cataingan	0.00	0.00	0.00	0.00	0.00	238.00	0.00
Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dimasalang	0.00	0.00	0.00	0.00	0.00	213.00	0.00
Uson	0.00	0.00	0.00	0.00	0.00	387.00	0.00
Baleno	0.00	0.00	0.00	0.00	0.00	109.00	0.00
San Pascual	0.00	0.00	0.00	0.00	0.00	10.00	0.00
Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caramoran	0.00	0.00	67.00	0.00	0.00	0.00	0.00
Goa	0.00	429.46	0.00	0.00	0.00	0.00	0.00
Sorsogon City	0.00	0.00	0.00	0.00	0.00	1,447.75	0.00
Prieto Diaz	0.00	0.00	0.00	0.00	0.00	220.00	0.00
Gubat	0.00	0.00	0.00	0.00	0.00	943.14	0.00
Casiguran	0.00	0.00	0.00	0.00	0.00	669.00	0.00
Barcelona	0.00	0.00	0.00	0.00	0.00	538.76	0.00
Juban	0.00	0.00	0.00	0.00	0.00	464.00	0.00
Magallanes	0.00	0.00	0.00	0.00	0.00	172.00	0.00
Castilla	0.00	0.00	0.00	0.00	0.00	937.00	0.00
Manito	0.00	0.00	0.00	707.63	0.00	0.00	0.00
Legazpi City	0.00	0.00	0.00	78.00	0.00	0.00	0.00
Daraga	0.00	0.00	0.00	1,234.50	0.00	0.00	0.00
Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malilipot	0.00	0.00	0.00	541.00	0.00	0.00	0.00
Donsol	0.00	0.00	0.00	0.00	0.00	154.00	0.00
Jovellar	0.00	0.00	0.00	158.50	0.00	0.00	0.00
Libon	0.00	0.00	0.00	2,479.00	0.00	0.00	0.00
Oas	0.00	0.00	0.00	1,941.00	0.00	0.00	0.00
Ligao City	0.00	0.00	0.00	2,356.30	0.00	0.00	0.00
Guinobatan	0.00	0.00	0.00	1,146.80	0.00	0.00	0.00
Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tiwi	0.00	0.00	0.00	520.00	0.00	0.00	0.00
Polangui	0.00	0.00	0.00	2,498.10	0.00	0.00	0.00
Malinao	0.00	0.00	0.00	1,832.00	0.00	0.00	0.00
Buhi	0.00	2,548.82	0.00	0.00	0.00	0.00	0.00
Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tigaon	0.00	1,074.31	0.00	0.00	0.00	0.00	0.00
Calabanga	0.00	1,531.26	0.00	0.00	0.00	0.00	0.00
Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iriga City	0.00	1,160.05	0.00	0.00	0.00	0.00	0.00
Bombon	0.00	1,229.06	0.00	0.00	0.00	0.00	0.00
Pili	0.00	2,559.75	0.00	0.00	0.00	0.00	0.00
Ocampo	0.00	1,290.25	0.00	0.00	0.00	0.00	0.00
Magarao	0.00	961.00	0.00	0.00	0.00	0.00	0.00
Canaman	0.00	732.02	0.00	0.00	0.00	0.00	0.00
Minalabac	0.00	746.00	0.00	0.00	0.00	0.00	0.00
Sipocot	0.00	197.00	0.00	0.00	0.00	0.00	0.00
Mercedes	0.00	0.00	0.00	0.00	0.00	0.00	249.00
Basud	0.00	0.00	0.00	0.00	0.00	0.00	502.50
Milaor	0.00	776.34	0.00	0.00	0.00	0.00	0.00
Gainza	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nabua	0.00	1,973.71	0.00	0.00	0.00	0.00	0.00
Baao	0.00	1,695.15	0.00	0.00	0.00	0.00	0.00
Bula	0.00	1,214.03	0.00	0.00	0.00	0.00	0.00
Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bato	0.00	473.01	245.00	0.00	0.00	0.00	0.00
Balatan	0.00	156.00	0.00	0.00	0.00	0.00	0.00
Lupi	0.00	36.00	0.00	0.00	0.00	0.00	0.00
Ragay	0.00	229.25	0.00	0.00	0.00	0.00	0.00
San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	63.00
San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	75.00
Labo	0.00	0.00	0.00	0.00	0.00	0.00	1,039.00
Del Gallego	0.00	71.00	0.00	0.00	0.00	0.00	0.00
Camalig	0.00	0.00	0.00	1,090.00	0.00	0.00	0.00
Pasacao	0.00	35.58	0.00	0.00	0.00	0.00	0.00
Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caramoan	0.00	32.23	0.00	0.00	0.00	0.00	0.00
Garchitorena	0.00	24.00	0.00	0.00	0.00	0.00	0.00
Lagonoy	0.00	484.56	0.00	0.00	0.00	0.00	0.00
Siruma	0.00	55.00	0.00	0.00	0.00	0.00	0.00
Pandan	0.00	0.00	79.00	0.00	0.00	0.00	0.00
Guinayangan	246.00	0.00	0.00	0.00	0.00	0.00	0.00
Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	35.00
Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	258.00
Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	805.00
Talisay	0.00	0.00	0.00	0.00	0.00	0.00	1,206.50
Daet	0.00	0.00	0.00	0.00	0.00	0.00	1,254.00
Paracale	0.00	0.00	0.00	0.00	0.00	0.00	373.00
Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pio Duran	0.00	0.00	0.00	511.00	0.00	0.00	0.00
Claveria	0.00	0.00	0.00	0.00	0.00	100.00	0.00
Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balud	0.00	0.00	0.00	0.00	0.00	100.00	0.00
Monreal	0.00	0.00	0.00	0.00	0.00	158.00	0.00
San Jacinto	0.00	0.00	0.00	0.00	0.00	88.00	0.00
Total	564.00	25,806.94	1,824.20	17,981.83	0.00	12,167.97	5,860.00

Irrigation Area (ha), GW, Wet Season

Municipality Name	Province						
	Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Naga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pamplona	0.00	362.95	0.00	0.00	0.00	0.00	0.00
Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Fernando	0.00	278.32	0.00	0.00	0.00	0.00	0.00
San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tagkawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tinambac	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Libmanan	0.00	2,429.90	0.00	0.00	0.00	0.00	0.00
Cabusao	0.00	604.54	0.00	0.00	0.00	0.00	0.00
San Andres	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bacacay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Irosin	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Matnog	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aroroy	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mandaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gigmoto	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baras	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bagamanoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Viga	0.00	0.00	15.00	0.00	0.00	0.00	0.00
Virac	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milagros	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Palanas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cataingan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dimasalang	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uson	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baleno	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Pascual	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caramoran	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prieto Diaz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gubat	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Casiguran	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barcelona	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juban	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magallanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Castilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manito	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Legazpi City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malilipot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Donsol	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jovellar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Libon	0.00	0.00	0.00	121.00	0.00	0.00	0.00
Oas	0.00	0.00	0.00	51.00	0.00	0.00	0.00
Ligao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guinobatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tiwi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polangui	0.00	0.00	0.00	38.00	0.00	0.00	0.00
Malinao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tigaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calabanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iriga City	0.00	185.00	0.00	0.00	0.00	0.00	0.00
Bombon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pili	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ocampo	0.00	75.00	0.00	0.00	0.00	0.00	0.00
Magarao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Canaman	0.00	227.02	0.00	0.00	0.00	0.00	0.00
Minalabac	0.00	963.80	0.00	0.00	0.00	0.00	0.00
Sipocot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercedes	0.00	0.00	0.00	0.00	0.00	0.00	5.00
Basud	0.00	0.00	0.00	0.00	0.00	0.00	15.00
Milaor	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Gainza	0.00	270.00	0.00	0.00	0.00	0.00	0.00
Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nabua	0.00	151.00	0.00	0.00	0.00	0.00	0.00
Baao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bula	0.00	1,075.80	0.00	0.00	0.00	0.00	0.00
Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ragay	0.00	14.00	0.00	0.00	0.00	0.00	0.00
San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	2.00
San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Labo	0.00	0.00	0.00	0.00	0.00	0.00	36.00
Del Gallego	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camalig	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pasacao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caramoan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Garchitorena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siruma	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pandan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guinayangan	36.00	0.00	0.00	0.00	0.00	0.00	0.00
Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	55.00
Talisay	0.00	0.00	0.00	0.00	0.00	0.00	21.00
Daet	0.00	0.00	0.00	0.00	0.00	0.00	16.00
Paracale	0.00	0.00	0.00	0.00	0.00	0.00	9.00
Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pio Duran	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Claveria	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balud	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monreal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Jacinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	36.00	6,737.33	15.00	210.00	0.00	0.00	160.00

Irrigation Area (ha), GW, Dry Season

Municipality Name	Province						
	Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Naga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pamplona	0.00	341.00	0.00	0.00	0.00	0.00	0.00
Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Fernando	0.00	100.00	0.00	0.00	0.00	0.00	0.00
San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tagkawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tinambac	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Libmanan	0.00	2,264.88	0.00	0.00	0.00	0.00	0.00
Cabusao	0.00	604.54	0.00	0.00	0.00	0.00	0.00
San Andres	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bacacay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Irosin	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Matnog	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aroroy	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mandaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gigmoto	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baras	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bagamanoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Viga	0.00	0.00	15.00	0.00	0.00	0.00	0.00
Virac	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Placer	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Milagros	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Palanas	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cataingan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Dimasalang	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Uson	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baleno	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Pascual	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caramoran	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Prieto Diaz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gubat	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Casiguran	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barcelona	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Juban	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Magallanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Castilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Manito	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Legazpi City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Daraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Malilipot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Donsol	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jovellar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Libon	0.00	0.00	0.00	121.00	0.00	0.00	0.00
Oas	0.00	0.00	0.00	51.00	0.00	0.00	0.00
Ligao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guinobatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tiwi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Polangui	0.00	0.00	0.00	38.00	0.00	0.00	0.00
Malinao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tigaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Calabanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Iriga City	0.00	185.00	0.00	0.00	0.00	0.00	0.00
Bombon	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pili	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ocampo	0.00	40.00	0.00	0.00	0.00	0.00	0.00
Magarao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Canaman	0.00	280.25	0.00	0.00	0.00	0.00	0.00
Minalabac	0.00	1,045.00	0.00	0.00	0.00	0.00	0.00
Sipocot	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mercedes	0.00	0.00	0.00	0.00	0.00	0.00	5.00
Basud	0.00	0.00	0.00	0.00	0.00	0.00	15.00
Milaor	0.00	100.00	0.00	0.00	0.00	0.00	0.00
Gainza	0.00	270.00	0.00	0.00	0.00	0.00	0.00
Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nabua	0.00	151.00	0.00	0.00	0.00	0.00	0.00
Baao	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bula	0.00	1,006.00	0.00	0.00	0.00	0.00	0.00
Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Ragay	0.00	11.00	0.00	0.00	0.00	0.00	0.00
San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	2.00
San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	1.00
Labo	0.00	0.00	0.00	0.00	0.00	0.00	36.00
Del Gallego	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camalig	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pasacao	0.00	30.00	0.00	0.00	0.00	0.00	0.00
Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Caramoan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Garchitorena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Lagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Siruma	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pandan	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Guinayangan	36.00	0.00	0.00	0.00	0.00	0.00	0.00
Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	55.00
Talisay	0.00	0.00	0.00	0.00	0.00	0.00	21.00
Daet	0.00	0.00	0.00	0.00	0.00	0.00	16.00
Paracale	0.00	0.00	0.00	0.00	0.00	0.00	9.00
Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pio Duran	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Claveria	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Balud	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Monreal	0.00	0.00	0.00	0.00	0.00	0.00	0.00
San Jacinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	36.00	6,428.67	15.00	210.00	0.00	0.00	160.00

Source: JICA Survey Team

(3) Irrigation Area Ratio of Sub-Basin in Province

Table DBH-79 Irrigation Area Ratio of Sub-Basin in Province [WRR-V]

Irrigation Area (ha), Total, Wet Season

Province	Sub-Basin	Total Area [km2]	Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Quezon	C0	7.66	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C1	6.97	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C2	1.68	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C3	7.34	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C4	8.07	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C5	10.91	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Sorsogon	C6	7.18	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C7	7.11	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%
Sorsogon	C8	8.49	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C9	11.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C10	8.88	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C11	3.10	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C12	5.92	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C13	2.09	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C14	12.22	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C15	13.99	0.0%	0.0%	7.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C16	15.15	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C17	11.42	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C18	11.41	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C19	30.67	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C20	13.20	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C21	20.01	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Masbate	C22	16.09	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C23	20.25	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%
Masbate	C24	32.45	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Masbate	C25	12.31	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C26	0.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C27	13.79	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C28	13.72	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Masbate	C29	24.07	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Masbate	C30	29.33	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C31	18.04	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
Masbate	C32	32.87	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C33	35.42	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C34	25.16	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C35	17.89	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C36	15.23	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C37	25.35	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C38	3.84	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C39	15.45	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
Sorsogon	C40	12.55	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C41	5.93	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C42	46.47	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C43	0.44	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C44	29.72	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C45	40.79	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C46	10.46	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C47	46.60	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C48	14.30	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
Sorsogon	C49	6.45	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Sorsogon	C50	2.34	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
Sorsogon	C51	9.10	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Sorsogon	C52	0.10	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
Sorsogon	C53	2.34	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%
Sorsogon	C54	0.05	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
Sorsogon	C55	9.68	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Sorsogon	C56	18.59	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%
Sorsogon	C57	2.95	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Sorsogon	C58	17.29	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C59	27.04	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%
Sorsogon	C60	5.71	0.0%	0.0%	0.0%	1.0%	0.0%	1.2%	0.0%
Albay	C61	20.95	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%
Albay	C62	3.04	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C63	18.82	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Albay	C64	11.51	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Albay	C65	4.04	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C66	9.84	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Albay	C67	5.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C68	33.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C69	5.33	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C70	32.91	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C71	6.46	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%
Albay	C72	12.52	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Albay	C73	15.53	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C74	11.84	0.0%	0.7%	0.0%	3.2%	0.0%	0.0%	0.0%
Albay	C75	3.04	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Albay	C76	15.96	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C77	26.82	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C78	2.13	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%
Albay	C79	2.48	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%
Albay	C80	23.59	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C81	27.32	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C82	8.11	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C83	64.86	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
Albay	C84	35.47	0.0%	2.8%	0.0%	0.1%	0.0%	0.0%	0.0%
Camarines Sur	C85	2.48	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C86	7.31	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C87	16.86	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C88	13.87	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C89	12.62	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C90	11.81	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%
Albay	C91	37.28	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C92	0.01	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C93	8.61	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C94	4.49	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C95	8.79	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C96	10.04	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C97	0.01	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C98	41.49	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C99	0.00	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.8%
Camarines Sur	C100	19.76	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C101	8.64	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C102	16.46	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C103	37.17	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C104	10.07	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C105	5.69	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C106	2.66	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C107	0.68	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C108	12.32	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C109	24.26	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C110	0.26	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%
Albay	C111	37.99	0.0%	1.0%	2.3%	0.1%	0.0%	0.0%	0.0%
Camarines Sur	C112	11.18	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C113	21.35	0.0%	1.6%	1.3%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C114	36.30	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C115	8.29	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C116	7.71	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C117	53.28	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C118	0.05	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Camarines Sur	C119	19.29	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C120	26.49	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%
Camarines Norte	C121	19.31	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C122	36.92	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.6%
Camarines Sur	C123	27.34	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C124	44.88	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.5%
Camarines Sur	C125	15.70	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C126	49.85	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C127	31.75	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%
Albay	C128	0.00	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%
Albay	C129	0.00	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%
Albay	C130	23.55	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C131	14.37	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C132	52.62	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C133	17.47	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C134	19.74	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C135	0.30	0.0%	1.9%	0.0%	0.2%	0.0%	0.0%	0.0%
Camarines Sur	C136	1.57	0.0%	1.0%	0.0%	3.1%	0.0%	0.0%	0.0%
Albay	C137	5.67	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%
Albay	C138	0.78	0.0%	0.2%	1.7%	2.3%	0.0%	0.0%	0.0%
Albay	C139	32.86	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C140	53.30	0.0%	1.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Camarines Sur	C141	4.19	0.0%	1.2%	0.0%	0.0%	0.0%	0.2%	0.0%
Camarines Sur	C142	21.49	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C143	24.44	0.0%	1.9%	0.1%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C144	56.44	0.0%	0.0%	0.1%	4.8%	0.0%	0.0%	0.0%
Albay	C145	0.10	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C146	7.35	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C147	2.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C148	16.15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C149	77.77	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C150	85.78	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C151	54.36	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C152	5.00	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C153	62.82	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C154	42.39	0.0%	0.0%	17.1%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C155	1.72	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C156	78.01	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C157	37.99	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C158	44.53	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C159	32.56	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C160	60.94	0.0%	0.0%	4.4%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C161	17.09	0.0%	0.0%	13.4%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C162	0.15	0.0%	0.6%	0.0%	0.0%	0.0%	0.1%	0.0%
Camarines Sur	C163	7.02	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C164	30.59	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Camarines Norte	C165	24.67	15.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Quezon	C166	48.88	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C167	18.68	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C168	76.29	2.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C169	8.26	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C170	25.35	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%
Camarines Norte	C171	43.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.3%
Camarines Norte	C172	2.62	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C173	17.99	10.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
Quezon	C174	32.69	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%
Camarines Norte	C175	25.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Camarines Norte	C176	63.72	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%
Camarines Norte	C177	0.01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%
Camarines Norte	C178	2.18	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Camarines Norte	C179	4.51	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.4%
Camarines Norte	C180	33.21	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C181	17.19	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%
Camarines Norte	C182	42.67	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C183	40.73	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C184	67.93	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%
Camarines Norte	C185	12.47	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%
Sorsogon	C186	50.52	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%
Albay	C187	10.13	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Masbate	C188	18.75	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C189	19.25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C190	47.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C191	68.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C192	60.64	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%
Masbate	C193	18.08	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
Masbate	C194	10.14	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C195	13.64	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C196	28.05	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C197	83.04	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%
Masbate	C198	75.89	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C199	5.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Masbate	C200	15.03	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
Masbate	C201	0.81	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C202	29.52	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Masbate	C203	0.77	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C204	25.69	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Sorsogon	C205	0.87	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C206	16.09	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
Sorsogon	C207	0.48	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%
Sorsogon	C208	3.89	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%
Sorsogon	C209	83.93	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C210	23.50	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%
Albay	C211	0.25	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%
Albay	C212	3.57	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%
Albay	C213	2.87	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%
Albay	C214	8.99	0.0%	0.0%	0.0%	1.6%	0.0%	0.1%	0.0%
Albay	C215	9.30	0.0%	0.0%	0.0%	0.6%	0.0%	0.2%	0.0%
Sorsogon	C216	21.56	0.0%	0.0%	0.0%	0.4%	0.0%	0.3%	0.0%
Sorsogon	C217	16.40	0.0%	0.0%	0.0%	0.1%	0.0%	2.5%	0.0%
Sorsogon	C218	0.68	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
Sorsogon	C219	21.30	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C220	21.07	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C221	36.33	12.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C222	61.18	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%
Camarines Norte	C223	21.34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C224	32.84	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C225	20.94	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C226	17.72	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C227	1.39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Camarines Norte	C228	23.12	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%
Camarines Norte	C229	8.22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
Camarines Norte	C230	23.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%
Camarines Norte	C231	1.40	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Sorsogon	C232	5.37	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Albay	C233	0.36	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C234	48.47	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%
Albay	C235	0.88	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
Albay	C236	3.67	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%
Masbate	C237	6.76	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C238	0.00	0.0%	0.1%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C239	64.83	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Sorsogon	C240	1.38	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Camarines Norte	C241	47.75	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C242	61.01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

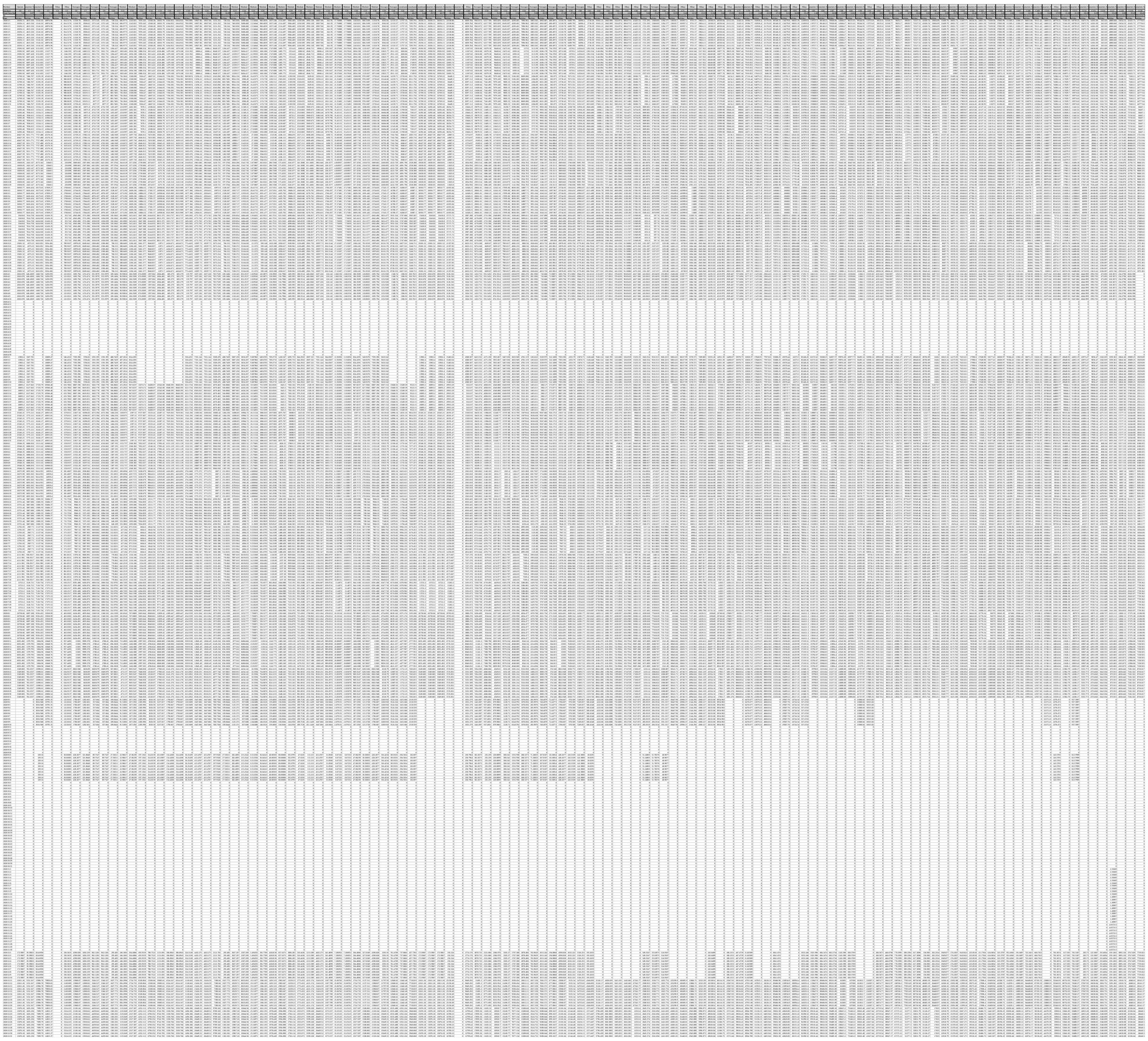
Irrigation Area (ha), SW, Wet Season

Province	Sub-Basin	Total Area [km2]	Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Quezon	C0	7.66	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C1	6.97	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C2	1.68	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C3	7.34	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C4	8.07	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C5	10.91	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Sorsogon	C6	7.18	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C7	7.11	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%
Sorsogon	C8	8.49	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C9	11.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C10	8.88	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C11	3.10	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C12	5.92	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C13	2.09	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C14	12.22	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C15	13.99	0.0%	0.0%	7.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C16	15.15	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C17	11.42	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C18	11.41	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C19	30.67	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C20	13.20	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C21	20.01	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Masbate	C22	16.09	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C23	20.25	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%
Masbate	C24	32.45	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Masbate	C25	12.31	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C26	0.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C27	13.79	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C28	13.72	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Masbate	C29	24.07	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Masbate	C30	29.33	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C31	18.04	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
Masbate	C32	32.87	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C33	35.42	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C34	25.16	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C35	17.89	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C36	15.23	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C37	25.35	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C38	3.84	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C39	15.45	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
Sorsogon	C40	12.55	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C41	5.93	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C42	46.47	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C43	0.44	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C44	29.72	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C45	40.79	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C46	10.46	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C47	46.60	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C48	14.30	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
Sorsogon	C49	6.45	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Sorsogon	C50	2.34	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
Sorsogon	C51	9.10	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Sorsogon	C52	0.10	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
Sorsogon	C53	2.34	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%
Sorsogon	C54	0.05	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
Sorsogon	C55	9.68	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Sorsogon	C56	18.59	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%
Sorsogon	C57	2.95	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Sorsogon	C58	17.29	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C59	27.04	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%
Sorsogon	C60	5.71	0.0%	0.0%	0.0%	1.1%	0.0%	1.2%	0.0%
Albay	C61	20.95	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%
Albay	C62	3.04	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C63	18.82	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Albay	C64	11.51	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Albay	C65	4.04	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C66	9.84	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Albay	C67	5.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C68	33.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C69	5.33	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C70	32.91	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C71	6.46	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%
Albay	C72	12.52	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Albay	C73	15.53	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C74	11.84	0.0%	0.9%	0.0%	3.2%	0.0%	0.0%	0.0%
Albay	C75	3.04	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Albay	C76	15.96	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C77	26.82	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C78	2.13	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%
Albay	C79	2.48	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%
Albay	C80	23.59	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C81	27.32	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C82	8.11	0.0%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%
Albay	C83	64.86	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
Albay	C84	35.47	0.0%	3.8%	0.0%	0.1%	0.0%	0.0%	0.0%
Camarines Sur	C85	2.48	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C86	7.31	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C87	16.86	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C88	13.87	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C89	12.62	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C90	11.81	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%
Albay	C91	37.28	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C92	0.01	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C93	8.61	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C94	4.49	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C95	8.79	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C96	10.04	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C97	0.01	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C98	41.49	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C99	0.00	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.8%
Camarines Sur	C100	19.76	0.0%	0.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C101	8.64	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C102	16.46	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C103	37.17	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C104	10.07	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C105	5.69	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C106	2.66	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C107	0.68	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C108	12.32	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C109	24.26	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C110	0.26	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%
Albay	C111	37.99	0.0%	1.2%	2.3%	0.1%	0.0%	0.0%	0.0%
Camarines Sur	C112	11.18	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C113	21.35	0.0%	2.0%	1.3%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C114	36.30	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C115	8.29	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C116	7.71	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C117	53.28	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C118	0.05	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	1.6%
Camarines Sur	C119	19.29	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C120	26.49	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%
Camarines Norte	C121	19.31	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C122	36.92	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.6%
Camarines Sur	C123	27.34	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C124	44.88	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.5%
Camarines Sur	C125	15.70	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C126	49.85	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C127	31.75	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
Albay	C128	0.00	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%
Albay	C129	0.00	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%
Albay	C130	23.55	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C131	14.37	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C132	52.62	0.0%	3.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C133	17.47	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C134	19.74	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C135	0.30	0.0%	2.5%	0.0%	0.2%	0.0%	0.0%	0.0%
Camarines Sur	C136	1.57	0.0%	1.3%	0.0%	3.1%	0.0%	0.0%	0.0%
Albay	C137	5.67	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%
Albay	C138	0.78	0.0%	0.2%	1.7%	2.2%	0.0%	0.0%	0.0%
Albay	C139	32.86	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C140	53.30	0.0%	0.9%	0.0%	0.0%	0.0%	0.2%	0.0%
Camarines Sur	C141	4.19	0.0%	1.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Camarines Sur	C142	21.49	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C143	24.44	0.0%	2.2%	0.1%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C144	56.44	0.0%	0.0%	0.1%	4.6%	0.0%	0.0%	0.0%
Albay	C145	0.10	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C146	7.35	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C147	2.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C148	16.15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C149	77.77	0.0%	1.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C150	85.78	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C151	54.36	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C152	5.00	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C153	62.82	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C154	42.39	0.0%	0.0%	16.8%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C155	1.72	0.0%	0.1%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C156	78.01	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C157	37.99	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C158	44.53	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C159	32.56	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C160	60.94	0.0%	0.0%	4.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C161	17.09	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C162	0.15	0.0%	0.4%	0.0%	0.0%	0.0%	0.1%	0.0%
Camarines Sur	C163	7.02	15.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C164	30.59	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Camarines Norte	C165	24.67	15.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Quezon	C166	48.88	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C167	18.68	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C168	76.29	2.1%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C169	8.26	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C170	25.35	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%
Camarines Norte	C171	43.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.2%
Camarines Norte	C172	2.62	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C173	17.99	10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
Quezon	C174	32.69	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%
Camarines Norte	C175	25.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Camarines Norte	C176	63.72	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%
Camarines Norte	C177	0.01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%
Camarines Norte	C178	2.18	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Camarines Norte	C179	4.51	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.4%
Camarines Norte	C180	33.21	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C181	17.19	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%
Camarines Norte	C182	42.67	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C183	40.73	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C184	67.93	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%
Camarines Norte	C185	12.47	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%
Sorsogon	C186	50.52	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C187	10.13	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Masbate	C188	18.75	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C189	19.25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C190	47.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C191	68.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C192	60.64	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%
Masbate	C193	18.08	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
Masbate	C194	10.14	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C195	13.64	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C196	28.05	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C197	83.04	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%
Masbate	C198	75.89	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C199	5.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Masbate	C200	15.03	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
Masbate	C201	0.81	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C202	29.52	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Masbate	C203	0.77	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C204	25.69	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Sorsogon	C205	0.87	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C206	16.09	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
Sorsogon	C207	0.48	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%
Sorsogon	C208	3.89	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%
Sorsogon	C209	83.93	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C210	23.50	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%
Albay	C211	0.25	0.0%	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%
Albay	C212	3.57	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%
Albay	C213	2.87	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%
Albay	C214	8.99	0.0%	0.0%	0.0%	1.6%	0.0%	0.1%	0.0%
Albay	C215	9.30	0.0%	0.0%	0.0%	0.6%	0.0%	0.2%	0.0%
Sorsogon	C216	21.56	0.0%	0.0%	0.0%	0.4%	0.0%	0.3%	0.0%
Sorsogon	C217	16.40	0.0%	0.0%	0.0%	0.1%	0.0%	2.5%	0.0%
Sorsogon	C218	0.68	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
Sorsogon	C219	21.30	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C220	21.07	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C221	36.33	12.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C222	61.18	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%
Camarines Norte	C223	21.34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C224	32.84	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C225	20.94	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C226	17.72	0.0%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C227	1.39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Camarines Norte	C228	23.12	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%
Camarines Norte	C229	8.22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
Camarines Norte	C230	23.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%
Camarines Norte	C231	1.40	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Sorsogon	C232	5.37	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Albay	C233	0.36	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C234	48.47	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%
Albay	C235	0.88	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
Albay	C236	3.67	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%
Masbate	C237	6.76	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C238	0.00	0.0%	0.1%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C239	64.83	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Sorsogon	C240	1.38	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Camarines Norte	C241	47.75	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C242	61.01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Source: JICA Survey Team

(4) Estimated Irrigation Water Demand by Sub-Basin

Table DBH-80 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-V] (1/2)



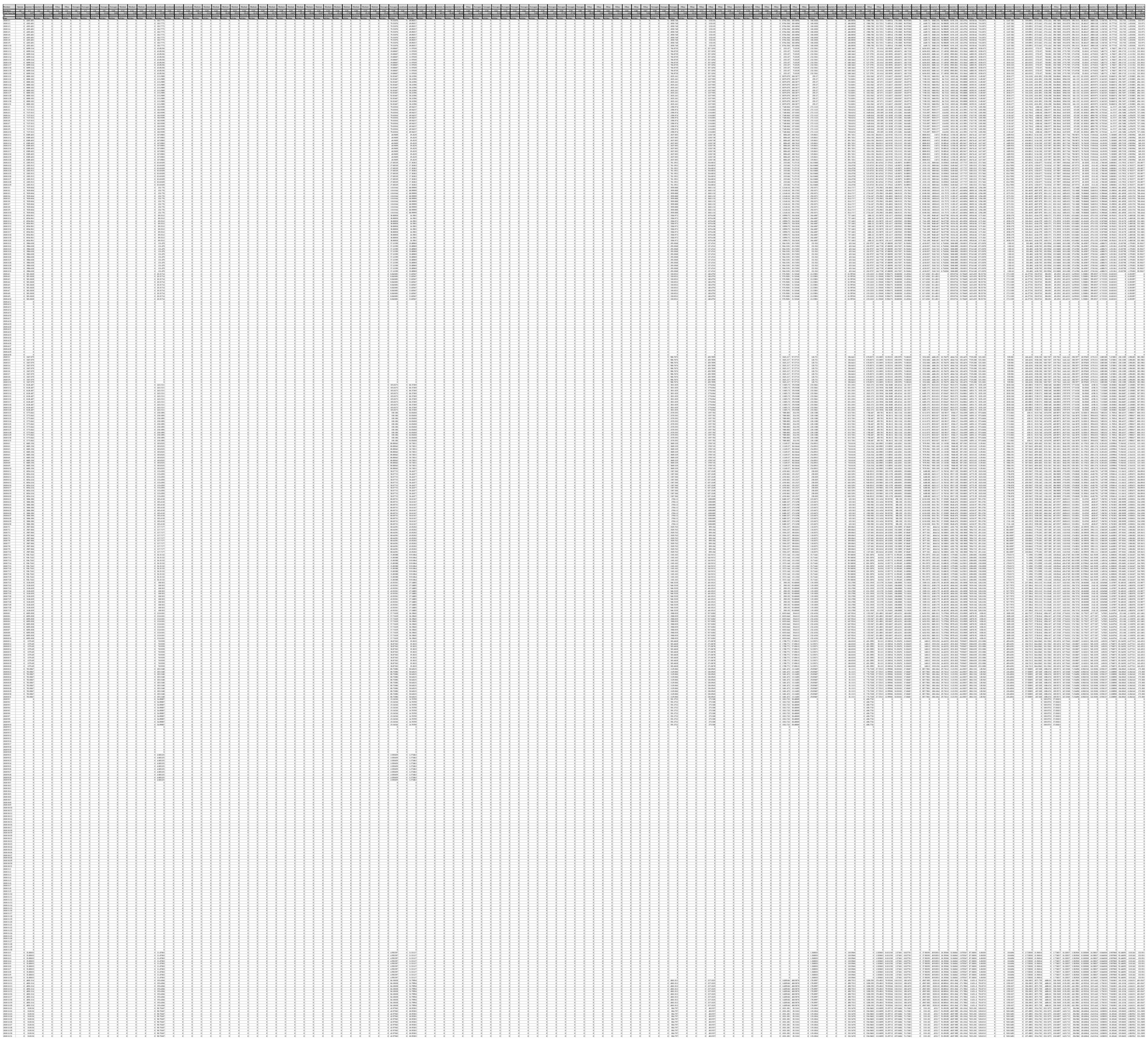
Source: JICA Survey Team

Table DBH-81 Estimated Irrigation Water Demand by Sub-Basin in 2020 (SW) [WRR-V] (2/2)

[illegible]

Source: JICA Survey Team

Table DBH-82 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-V] (1/2)



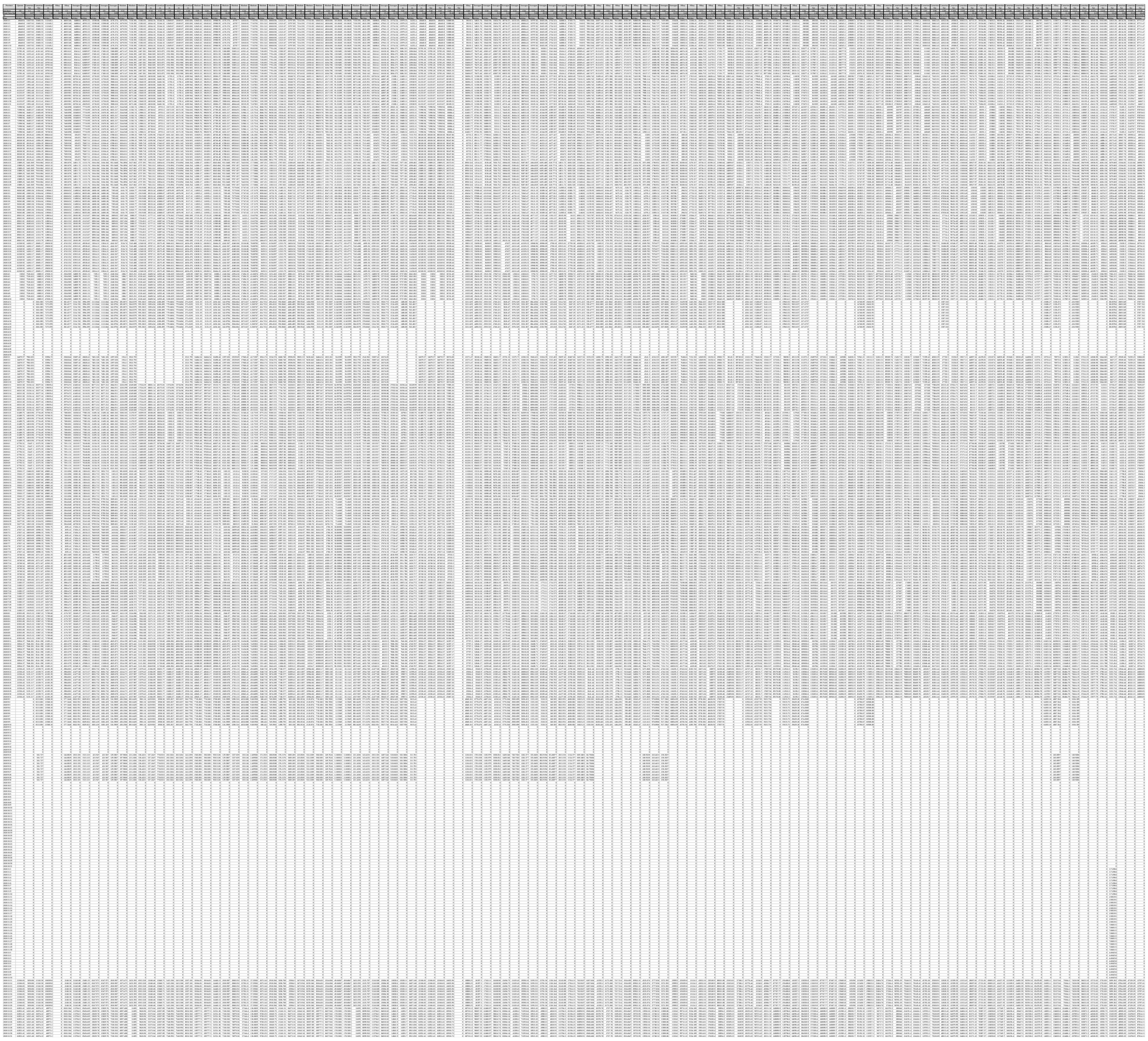
Source: JICA Survey Team

Table DBH-83 Estimated Irrigation Water Demand by Sub-Basin in 2020 (GW) [WRR-V] (2/2)

[illegible]

Source: JICA Survey Team

Table DBH-84 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-V] (1/2)



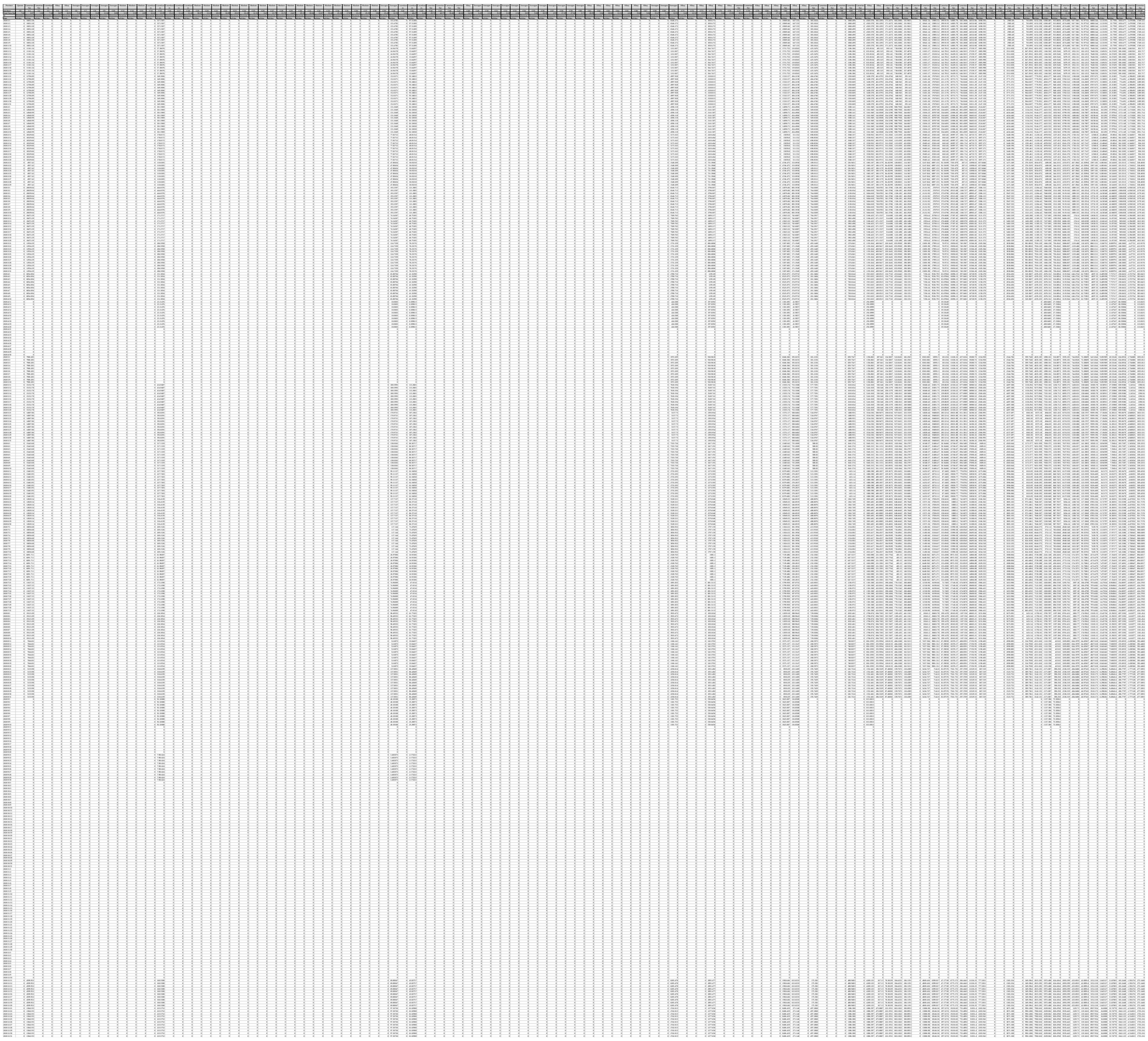
Source: JICA Survey Team

Table DBH-85 Estimated Irrigation Water Demand by Sub-Basin in 2050 (SW) [WRR-V] (2/2)

[illegible]

Source: JICA Survey Team

Table DBH-86 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-V] (1/2)



Source: JICA Survey Team

Table DBH-87 Estimated Irrigation Water Demand by Sub-Basin in 2050 (GW) [WRR-V] (2/2)

Source: JICA Survey Team

1.3.2 Livestock Water Demand

(1) Provincial-wise Livestock & Poultry Water Demands

Table DBH-88 Provincial-wise Livestock & Poultry Water Demands in WRR V, VII & XI

Region/ Province	Area Rate	Water Demand in Year (MCM)			
		2020	2030	2040	2050
WRR-V		**10.722**	**12.148**	**13.327**	**14.099**
Quezon	0.053	0.166	0.188	0.206	0.218
Albay	1.000	2.190	2.481	2.722	2.879
Camarines Norte	1.000	1.649	1.868	2.050	2.169
Camarines Sur	1.000	3.237	3.667	4.023	4.256
Catanduanes	1.000	0.589	0.667	0.732	0.774
Masbate	1.000	1.808	2.049	2.248	2.378
Sorsogon	1.000	1.084	1.228	1.347	1.425
WRR-VII		**12.660**	**14.344**	**15.737**	**16.648**
Negros Occidental	0.076	0.393	0.445	0.489	0.517
Bohol	1.000	3.891	4.408	4.836	5.116
Cebu	1.000	5.346	6.057	6.645	7.030
Negros Oriental	0.769	2.463	2.791	3.062	3.239
Siquijor	1.000	0.568	0.643	0.705	0.746
WRR-XI		**12.391**	**14.039**	**15.402**	**16.294**
Bukidnon	0.046	0.288	0.327	0.358	0.379
Davao de Oro (Compostela Valley)	0.477	0.616	0.698	0.766	0.810
Davao del Norte	0.989	4.022	4.557	4.999	5.289
Davao del Sur	0.998	3.105	3.518	3.859	4.083
Davao Oriental	0.949	1.301	1.474	1.617	1.710
Sarangani	0.869	0.703	0.796	0.873	0.924
South Cotabato	0.340	1.491	1.689	1.853	1.960
North Cotabato	0.038	0.115	0.130	0.143	0.151
Sultan Kudarat	0.052	0.072	0.082	0.090	0.095
Agusan del Norte	0.027	0.018	0.021	0.023	0.024
Agusan del Sur	0.109	0.083	0.094	0.103	0.109
Surigao del Sur	0.896	0.577	0.654	0.718	0.759

Source: JICA Survey team

Remarks: Water demands in 2030, 2040 and 2050 are estimated based on population increase ratio

(2030)=(2020) x (1.133)
(2040)=(2020) x (1.243)
(2050)=(2020) x (1.315)

(2) Irrigation Area Ratio of Sub-Basin in Province

Table DBH-89 Irrigation Area Ratio of Sub-Basin in Province [WRR-V]

Irrigation Area (ha), Total, Wet Season

Province	Sub-Basin	Total Area [km2]	Quezon	Camarines Sur	Catanduanes	Albay	Sorsogon	Masbate	Camarines Norte
Quezon	C0	7.66	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C1	6.97	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C2	1.68	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C3	7.34	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C4	8.07	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C5	10.91	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Sorsogon	C6	7.18	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C7	7.11	0.0%	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%
Sorsogon	C8	8.49	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C9	11.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C10	8.88	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C11	3.10	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C12	5.92	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C13	2.09	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C14	12.22	0.0%	0.0%	5.0%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C15	13.99	0.0%	0.0%	7.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C16	15.15	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C17	11.42	0.0%	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C18	11.41	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C19	30.67	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C20	13.20	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C21	20.01	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Masbate	C22	16.09	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C23	20.25	0.0%	0.0%	0.0%	0.0%	0.0%	2.4%	0.0%
Masbate	C24	32.45	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Masbate	C25	12.31	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C26	0.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C27	13.79	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C28	13.72	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Masbate	C29	24.07	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Masbate	C30	29.33	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C31	18.04	0.0%	0.0%	0.0%	0.0%	0.0%	0.9%	0.0%
Masbate	C32	32.87	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C33	35.42	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C34	25.16	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C35	17.89	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C36	15.23	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C37	25.35	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C38	3.84	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C39	15.45	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
Sorsogon	C40	12.55	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C41	5.93	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C42	46.47	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C43	0.44	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C44	29.72	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C45	40.79	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C46	10.46	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C47	46.60	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C48	14.30	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
Sorsogon	C49	6.45	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Sorsogon	C50	2.34	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
Sorsogon	C51	9.10	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%
Sorsogon	C52	0.10	0.0%	0.0%	0.0%	0.0%	0.0%	2.6%	0.0%
Sorsogon	C53	2.34	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%
Sorsogon	C54	0.05	0.0%	0.0%	0.0%	0.0%	0.0%	2.2%	0.0%
Sorsogon	C55	9.68	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Sorsogon	C56	18.59	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%	0.0%
Sorsogon	C57	2.95	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Sorsogon	C58	17.29	0.0%	0.0%	0.0%	0.0%	0.0%	3.6%	0.0%
Sorsogon	C59	27.04	0.0%	0.0%	0.0%	0.0%	0.0%	2.1%	0.0%
Sorsogon	C60	5.71	0.0%	0.0%	0.0%	1.0%	0.0%	1.2%	0.0%
Albay	C61	20.95	0.0%	0.0%	0.0%	0.1%	0.0%	0.2%	0.0%
Albay	C62	3.04	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C63	18.82	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Albay	C64	11.51	0.0%	0.0%	0.0%	0.1%	0.0%	0.0%	0.0%
Albay	C65	4.04	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Albay	C66	9.84	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Albay	C67	5.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C68	33.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C69	5.33	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Sorsogon	C70	32.91	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C71	6.46	0.0%	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%
Albay	C72	12.52	0.0%	0.0%	0.0%	0.3%	0.0%	0.0%	0.0%
Albay	C73	15.53	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C74	11.84	0.0%	0.7%	0.0%	3.2%	0.0%	0.0%	0.0%
Albay	C75	3.04	0.0%	0.0%	0.0%	1.4%	0.0%	0.0%	0.0%
Albay	C76	15.96	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C77	26.82	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C78	2.13	0.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%
Albay	C79	2.48	0.0%	0.0%	0.0%	3.5%	0.0%	0.0%	0.0%
Albay	C80	23.59	0.0%	0.0%	0.0%	0.7%	0.0%	0.0%	0.0%
Albay	C81	27.32	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C82	8.11	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C83	64.86	0.0%	0.0%	0.0%	2.3%	0.0%	0.0%	0.0%
Albay	C84	35.47	0.0%	2.8%	0.0%	0.1%	0.0%	0.0%	0.0%
Camarines Sur	C85	2.48	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C86	7.31	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C87	16.86	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C88	13.87	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C89	12.62	0.0%	2.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C90	11.81	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%
Albay	C91	37.28	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C92	0.01	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C93	8.61	0.0%	1.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C94	4.49	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C95	8.79	0.0%	1.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C96	10.04	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C97	0.01	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C98	41.49	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C99	0.00	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.8%
Camarines Sur	C100	19.76	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C101	8.64	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C102	16.46	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C103	37.17	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C104	10.07	0.0%	1.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C105	5.69	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C106	2.66	0.0%	2.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C107	0.68	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C108	12.32	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C109	24.26	0.0%	2.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C110	0.26	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%
Albay	C111	37.99	0.0%	1.0%	2.3%	0.1%	0.0%	0.0%	0.0%
Camarines Sur	C112	11.18	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C113	21.35	0.0%	1.6%	1.3%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C114	36.30	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C115	8.29	0.0%	1.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C116	7.71	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C117	53.28	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C118	0.05	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Camarines Sur	C119	19.29	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C120	26.49	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.1%
Camarines Norte	C121	19.31	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C122	36.92	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.6%
Camarines Sur	C123	27.34	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C124	44.88	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.5%
Camarines Sur	C125	15.70	0.0%	3.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C126	49.85	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C127	31.75	0.0%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%
Albay	C128	0.00	0.0%	0.0%	0.0%	2.4%	0.0%	0.0%	0.0%
Albay	C129	0.00	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%
Albay	C130	23.55	0.0%	1.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C131	14.37	0.0%	1.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C132	52.62	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C133	17.47	0.0%	2.4%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C134	19.74	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C135	0.30	0.0%	1.9%	0.0%	0.2%	0.0%	0.0%	0.0%
Camarines Sur	C136	1.57	0.0%	1.0%	0.0%	3.1%	0.0%	0.0%	0.0%
Albay	C137	5.67	0.0%	0.0%	0.0%	5.1%	0.0%	0.0%	0.0%
Albay	C138	0.78	0.0%	0.2%	1.7%	2.3%	0.0%	0.0%	0.0%
Albay	C139	32.86	0.0%	3.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C140	53.30	0.0%	1.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Camarines Sur	C141	4.19	0.0%	1.2%	0.0%	0.0%	0.0%	0.2%	0.0%
Camarines Sur	C142	21.49	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C143	24.44	0.0%	1.9%	0.1%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C144	56.44	0.0%	0.0%	0.1%	4.8%	0.0%	0.0%	0.0%
Albay	C145	0.10	0.0%	2.6%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C146	7.35	0.0%	0.0%	0.0%	4.8%	0.0%	0.0%	0.0%
Albay	C147	2.56	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C148	16.15	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C149	77.77	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C150	85.78	0.0%	0.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C151	54.36	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C152	5.00	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C153	62.82	0.0%	0.9%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C154	42.39	0.0%	0.0%	17.1%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C155	1.72	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C156	78.01	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C157	37.99	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C158	44.53	0.0%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C159	32.56	0.0%	0.0%	2.8%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C160	60.94	0.0%	0.0%	4.4%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C161	17.09	0.0%	0.0%	13.4%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C162	0.15	0.0%	0.6%	0.0%	0.0%	0.0%	0.1%	0.0%
Camarines Sur	C163	7.02	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C164	30.59	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%
Camarines Norte	C165	24.67	15.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%
Quezon	C166	48.88	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C167	18.68	15.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C168	76.29	2.1%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C169	8.26	0.0%	0.1%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C170	25.35	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%
Camarines Norte	C171	43.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.3%
Camarines Norte	C172	2.62	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C173	17.99	10.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%
Quezon	C174	32.69	6.6%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%
Camarines Norte	C175	25.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%
Camarines Norte	C176	63.72	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.2%
Camarines Norte	C177	0.01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%
Camarines Norte	C178	2.18	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Camarines Norte	C179	4.51	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.4%
Camarines Norte	C180	33.21	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C181	17.19	4.4%	0.0%	0.0%	0.0%	0.0%	0.0%	5.3%
Camarines Norte	C182	42.67	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C183	40.73	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C184	67.93	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.0%
Camarines Norte	C185	12.47	0.0%	0.0%	0.0%	0.1%	0.0%	0.3%	0.0%
Sorsogon	C186	50.52	0.0%	0.0%	0.0%	4.9%	0.0%	0.0%	0.0%
Albay	C187	10.13	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Masbate	C188	18.75	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C189	19.25	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Masbate	C190	47.45	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C191	68.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C192	60.64	0.0%	0.0%	0.0%	0.0%	0.0%	1.0%	0.0%
Masbate	C193	18.08	0.0%	0.0%	0.0%	0.0%	0.0%	0.5%	0.0%
Masbate	C194	10.14	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%
Masbate	C195	13.64	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C196	28.05	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C197	83.04	0.0%	0.0%	0.0%	0.0%	0.0%	1.3%	0.0%
Masbate	C198	75.89	0.0%	0.0%	0.0%	0.0%	0.0%	0.3%	0.0%
Masbate	C199	5.47	0.0%	0.0%	0.0%	0.0%	0.0%	0.7%	0.0%
Masbate	C200	15.03	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
Masbate	C201	0.81	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C202	29.52	0.0%	0.0%	0.0%	0.0%	0.0%	0.1%	0.0%
Masbate	C203	0.77	0.0%	0.0%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C204	25.69	0.0%	0.0%	0.0%	0.0%	0.0%	0.6%	0.0%
Sorsogon	C205	0.87	0.0%	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%
Sorsogon	C206	16.09	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%	0.0%
Sorsogon	C207	0.48	0.0%	0.0%	0.0%	0.0%	0.0%	1.4%	0.0%
Sorsogon	C208	3.89	0.0%	0.0%	0.0%	0.0%	0.0%	4.0%	0.0%
Sorsogon	C209	83.93	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C210	23.50	0.0%	0.0%	0.0%	2.6%	0.0%	0.0%	0.0%
Albay	C211	0.25	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%
Albay	C212	3.57	0.0%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%
Albay	C213	2.87	0.0%	0.0%	0.0%	1.9%	0.0%	0.0%	0.0%
Albay	C214	8.99	0.0%	0.0%	0.0%	1.6%	0.0%	0.1%	0.0%
Albay	C215	9.30	0.0%	0.0%	0.0%	0.6%	0.0%	0.2%	0.0%
Sorsogon	C216	21.56	0.0%	0.0%	0.0%	0.4%	0.0%	0.3%	0.0%
Sorsogon	C217	16.40	0.0%	0.0%	0.0%	0.1%	0.0%	2.5%	0.0%
Sorsogon	C218	0.68	0.0%	0.0%	0.0%	0.0%	0.0%	2.0%	0.0%
Sorsogon	C219	21.30	0.0%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C220	21.07	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C221	36.33	12.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Quezon	C222	61.18	2.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.6%
Camarines Norte	C223	21.34	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	7.7%
Camarines Norte	C224	32.84	0.0%	0.0%	3.6%	0.0%	0.0%	0.0%	0.0%
Catanduanes	C225	20.94	0.0%	0.0%	0.0%	1.7%	0.0%	0.0%	0.0%
Albay	C226	17.72	0.0%	0.3%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C227	1.39	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.4%
Camarines Norte	C228	23.12	0.8%	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%
Camarines Norte	C229	8.22	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%
Camarines Norte	C230	23.84	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%
Camarines Norte	C231	1.40	0.0%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%
Sorsogon	C232	5.37	0.0%	0.0%	0.0%	1.1%	0.0%	0.0%	0.0%
Albay	C233	0.36	0.0%	0.5%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C234	48.47	0.0%	0.0%	0.0%	3.4%	0.0%	0.0%	0.0%
Albay	C235	0.88	0.0%	0.0%	0.0%	0.5%	0.0%	0.0%	0.0%
Albay	C236	3.67	0.0%	0.0%	0.0%	0.0%	0.0%	1.1%	0.0%
Masbate	C237	6.76	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	0.0%
Camarines Sur	C238	0.00	0.0%	0.1%	0.0%	0.0%	0.0%	0.4%	0.0%
Masbate	C239	64.83	0.0%	0.0%	0.0%	0.0%	0.0%	1.7%	0.0%
Sorsogon	C240	1.38	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.6%
Camarines Norte	C241	47.75	0.0%	0.0%	0.0%	0.0%	0.0%	3.5%	0.0%
Masbate	C242	61.01	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

Irrigation Area (ha), SW, Wet Season

Irrigation Area (ha), GW, Wet Season

Irrigation Area (ha), Total, Wet Season

Irrigation Area (ha), SW, Wet Season

Irrigation Area (ha), GW, Wet Season

Source: JICA Survey Team

(3) Estimated Sub-Basin-wise Livestock & Poultry Water Demands

Table DBH-90 Estimated Sub-Basin-wise Livestock & Poultry Water Demands (SW) [WRR V] (m^3/day)

	Province	Sub-Basin	Total Area [km2]	2020	2030	2040	2050
1	Quezon	C0	7.66	54.9	62.2	68.2	72.2
2	Camarines Sur	C1	6.97	12.5	14.2	15.5	16.4
3	Camarines Sur	C2	1.68	85.7	97.0	106.5	112.6
4	Catanduanes	C3	7.34	101.8	115.3	126.5	133.8
5	Albay	C4	8.07	0.0	0.0	0.0	0.0
6	Albay	C5	10.91	12.8	14.5	15.9	16.8
7	Sorsogon	C6	7.18	177.5	201.1	220.6	233.4
8	Sorsogon	C7	7.11	133.4	151.2	165.8	175.4
9	Sorsogon	C8	8.49	37.2	42.1	46.2	48.9
10	Sorsogon	C9	11.84	37.2	42.1	46.2	48.9
11	Sorsogon	C10	8.88	11.4	12.9	14.2	15.0
12	Masbate	C11	3.10	9.5	10.8	11.8	12.5
13	Masbate	C12	5.92	19.5	22.1	24.2	25.7
14	Masbate	C13	2.09	51.3	58.1	63.8	67.5
15	Catanduanes	C14	12.22	81.9	92.8	101.8	107.7
16	Catanduanes	C15	13.99	117.5	133.2	146.1	154.6
17	Catanduanes	C16	15.15	40.2	45.5	49.9	52.8
18	Catanduanes	C17	11.42	40.2	45.5	49.9	52.8
19	Catanduanes	C18	11.41	12.5	14.2	15.6	16.5
20	Masbate	C19	30.67	171.4	194.2	213.0	225.4
21	Masbate	C20	13.20	171.4	194.2	213.0	225.4
22	Masbate	C21	20.01	82.0	93.0	102.0	107.9
23	Masbate	C22	16.09	11.4	12.9	14.2	15.0
24	Masbate	C23	20.25	117.1	132.6	145.5	153.9
25	Masbate	C24	32.45	89.2	101.1	110.9	117.3
26	Masbate	C25	12.31	0.2	0.2	0.3	0.3
27	Masbate	C26	0.45	15.2	17.2	18.9	20.0
28	Masbate	C27	13.79	16.6	18.8	20.6	21.8
29	Masbate	C28	13.72	33.2	37.6	41.2	43.6
30	Masbate	C29	24.07	147.2	166.7	182.9	193.5
31	Masbate	C30	29.33	19.7	22.4	24.5	26.0
32	Masbate	C31	18.04	46.9	53.2	58.3	61.7
33	Masbate	C32	32.87	171.4	194.2	213.0	225.4
34	Masbate	C33	35.42	13.2	15.0	16.4	17.4
35	Masbate	C34	25.16	0.3	0.3	0.3	0.4
36	Masbate	C35	17.89	0.3	0.3	0.3	0.4
37	Masbate	C36	15.23	19.5	22.1	24.2	25.7
38	Masbate	C37	25.35	12.6	14.3	15.7	16.6
39	Masbate	C38	3.84	177.5	201.1	220.6	233.4
40	Sorsogon	C39	15.45	131.2	148.6	163.0	172.5
41	Sorsogon	C40	12.55	79.1	89.6	98.3	104.0
42	Catanduanes	C41	5.93	76.6	86.8	95.3	100.8
43	Catanduanes	C42	46.47	47.5	53.9	59.1	62.5
44	Catanduanes	C43	0.44	54.9	62.2	68.2	72.2
45	Camarines Sur	C44	29.72	54.9	62.2	68.2	72.2
46	Camarines Sur	C45	40.79	54.9	62.2	68.2	72.2
47	Camarines Sur	C46	10.46	61.0	69.2	75.9	80.3
48	Camarines Sur	C47	46.60	0.0	0.0	0.0	0.0
49	Albay	C48	14.30	107.3	121.5	133.3	141.1
50	Sorsogon	C49	6.45	150.0	169.9	186.4	197.2
51	Sorsogon	C50	2.34	97.5	110.5	121.2	128.2
52	Sorsogon	C51	9.10	91.5	103.7	113.8	120.4
53	Sorsogon	C52	0.10	127.8	144.8	158.9	168.1
54	Sorsogon	C53	2.34	66.0	74.8	82.1	86.8
55	Sorsogon	C54	0.05	111.3	126.1	138.3	146.4
56	Sorsogon	C55	9.68	29.5	33.5	36.7	38.8
57	Sorsogon	C56	18.59	77.8	88.2	96.8	102.4
58	Sorsogon	C57	2.95	7.5	8.5	9.4	9.9
59	Sorsogon	C58	17.29	177.5	201.1	220.6	233.4
60	Sorsogon	C59	27.04	101.8	115.3	126.5	133.8
61	Sorsogon	C60	5.71	122.0	138.3	151.7	160.5
62	Albay	C61	20.95	12.2	13.8	15.1	16.0
63	Albay	C62	3.04	39.8	45.1	49.5	52.4
64	Albay	C63	18.82	5.9	6.7	7.3	7.8
65	Albay	C64	11.51	6.9	7.8	8.6	9.1
66	Albay	C65	4.04	1.8	2.1	2.3	2.4
67	Albay	C66	9.84	86.1	97.5	107.0	113.2
68	Albay	C67	5.84	22.0	24.9	27.4	28.9
69	Sorsogon	C68	33.47	21.5	24.3	26.7	28.2
70	Sorsogon	C69	5.33	20.3	23.0	25.2	26.7
71	Sorsogon	C70	32.91	287.2	325.4	356.9	377.6
72	Albay	C71	6.46	216.0	244.8	268.5	284.1
73	Albay	C72	12.52	20.2	22.9	25.1	26.6
74	Albay	C73	15.53	41.2	46.7	51.2	54.2
75	Albay	C74	11.84	268.2	303.8	333.3	352.6
76	Albay	C75	3.04	84.3	95.5	104.7	110.8
77	Albay	C76	15.96	57.2	64.8	71.1	75.2
78	Camarines Sur	C77	26.82	142.0	160.9	176.6	186.8
79	Camarines Sur	C78	2.13	61.1	69.2	76.0	80.4
80	Albay	C79	2.48	213.9	242.3	265.9	281.3
81	Albay	C80	23.59	44.0	49.9	54.7	57.9
82	Albay	C81	27.32	217.2	246.1	269.9	285.6
83	Camarines Sur	C82	8.11	279.1	316.2	346.9	367.0
84	Albay	C83	64.86	138.9	157.3	172.6	182.6
85	Albay	C84	35.47	337.5	382.4	419.5	443.8
86	Camarines Sur	C85	2.48	324.4	367.6	403.2	426.6
87	Camarines Sur	C86	7.31	217.2	246.1	269.9	285.6
88	Camarines Sur	C87	16.86	216.6	245.4	269.2	284.8
89	Camarines Sur	C88	13.87	394.7	447.2	490.6	519.0
90	Camarines Sur	C89	12.62	260.5	295.1	323.8	342.5
91	Camarines Sur	C90	11.81	206.2	233.7	256.4	271.2
92	Albay	C91	37.28	285.9	323.9	355.4	376.0
93	Albay	C92	0.01	82.7	93.7	102.8	108.8
94	Camarines Sur	C93	8.61	141.8	160.6	176.2	186.5
95	Camarines Sur	C94	4.49	244.5	277.1	304.0	321.6
96	Camarines Sur	C95	8.79	187.0	211.9	232.5	246.0
97	Camarines Sur	C96	10.04	196.0	222.0	243.6	257.7
98	Camarines Sur	C97	0.01	113.3	128.4	140.9	149.0
99	Camarines Sur	C98	41.49	64.2	72.7	79.8	84.4
100	Camarines Sur	C99	0.00	58.0	65.7	72.0	76.2
101	Camarines Sur	C100	19.76	56.0	63.4	69.6	73.6
102	Camarines Sur	C101	8.64	30.1	34.1	37.4	39.6
103	Camarines Sur	C102	16.46	71.1	80.5	88.3	93.4
104	Camarines Sur	C103	37.17	67.2	76.2	83.6	88.4
105	Camarines Sur	C104	10.07	198.1	224.4	246.2	260.5
106	Camarines Sur	C105	5.69	102.7	116.3	127.6	135.0
107	Camarines Sur	C106	2.66	302.4	342.6	375.8	397.6
108	Camarines Sur	C107	0.68	60.6	68.7	75.4	79.7
109	Camarines Sur	C108	12.32	229.3	259.8	285.0	301.5
110	Camarines Sur	C109	24.26	211.7	239.8	263.1	278.3
111	Camarines Sur	C110	0.26	303.4	343.8	377.2	399.0
112	Albay	C111	37.99	152.2	172.5	189.2	200.2
113	Camarines Sur	C112	11.18	196.0	222.1	243.6	257.8
114	Camarines Sur	C113	21.35	198.8	225.3	247.1	261.4
115	Camarines Sur	C114	36.30	90.7	102.8	112.7	119.3
116	Camarines Sur	C115	8.29	38.9	44.1	48.4	51.2
117	Camarines Sur	C116	7.71	9.3	10.5	11.5	12.2
118	Camarines Sur	C117	53.28	14.3	16.2	17.8	18.8
119	Camarines Sur	C118	0.05	75.9	86.0	94.4	99.8
120	Camarines Sur	C119	19.29	117.7	133.3	146.3	154.8
121	Camarines Sur	C120	26.49	141.9	160.8	176.4	186.6
122	Camarines Norte	C121	19.31	17.3	19.6	21.5	22.8
123	Camarines Sur	C122	36.92	35.0	39.7	43.5	46.0
124	Camarines Sur	C123	27.34	17.5	19.8	21.7	23.0
125	Camarines Sur	C124	44.88	46.8	53.0	58.1	61.5
126	Camarines Sur	C125	15.70	71.6	81.1	89.0	94.2
127	Camarines Sur	C126	49.85	89.4	101.3	111.1	117.6
128	Camarines Sur	C127	31.75	136.4	154.5	169.5	179.3
129	Albay	C128	0.00	143.7	162.8	178.6	189.0
130	Albay	C129	0.00	291.7	330.5	362.6	383.6
131	Albay	C130	23.55	211.3	239.4	262.6	277.8
132	Camarines Sur	C131	14.37	207.2	234.7	257.5	272.5
133	Camarines Sur	C132	52.62	263.5	298.5	327.5	346.5
134	Camarines Sur	C133	17.47	104.4	118.3	129.8	137.3
135	Camarines Sur	C134	19.74	34.9	39.5	43.4	45.9
136	Camarines Sur	C135	0.30	236.8	268.3	294.4	311.4
137	Camarines Sur	C136	1.57	304.1	344.5	378.0	399.9
138	Albay	C137	5.67	303.3	343.6	377.0	398.8
139	Albay	C138	0.78	181.1	205.2	225.1	238.1
140	Albay	C139	32.86	74.6	84.5	92.8	98.1
141	Camarines Sur	C140	53.30	88.7	100.5	110.3	116.6
142	Camarines Sur	C141	4.19	101.5	115.0	126.2	133.5
143	Camarines Sur	C142	21.49	290.8	329.4	361.4	382.3
144	Camarines Sur	C143	24.44	198.5	224.9	246.8	261.0
145	Camarines Sur	C144	56.44	281.2	318.6	349.5	369.7
146	Albay	C145	0.10	178.1	201.8	221.4	234.2
147	Camarines Sur	C146	7.35	286.6	324.8	356.3	376.9
148	Albay	C147	2.56	3.8	4.3	4.7	5.0
149	Camarines Sur	C148	16.15	3.1	3.5	3.8	4.0
150	Camarines Sur	C149	77.77	119.7	135.6	148.8	157.4
151	Camarines Sur	C150	85.78	85.4	96.8	106.2	112.4
152	Camarines Sur	C151	54.36	21.4	24.3	26.6	28.2
153	Camarines Sur	C152	5.00	101.5	115.1	126.2	133.5
154	Camarines Sur	C153	62.82	106.5	120.7	132.4	140.1
155	Camarines Sur	C154	42.39	270.8	306.8	336.6	356.1
156	Catanduanes	C155	1.72	90.6	102.6	112.6	119.1
157	Catanduanes	C156	78.01	35.4	40.1	44.0	46.6
158	Catanduanes	C157	37.99	36.1	41.0	44.9	47.5
159	Catanduanes	C158	44.53	85.7	97.0	106.5	112.6
160	Catanduanes	C159	32.56	45.6	51.7	56.7	60.0
161	Catanduanes	C160	60.94	72.3	81.9	89.9	95.1
162	Catanduanes	C161	17.09	212.6	240.9	264.3	279.6
163	Catanduanes	C162	0.15	39.7	45.0	49.4	52.3
164	Camarines Sur	C163	7.02	68.8	77.9	85.5	90.5
165	Quezon	C164	30.59	90.2	102.2	112.1	118.6
166	Camarines Norte	C165	24.67	72.5	82.2	90.1	95.4
167	Quezon	C166	48.88	69.7	79.0	86.7	91.7
168	Quezon	C167	18.68	69.7	79.0	86.7	91.7
169	Quezon	C168	76.29	24.5	27.8	30.5	32.2
170	Camarines Sur	C169	8.26	17.3	19.6	21.5	22.8
171	Camarines Sur	C170	25.35	75.6	85.7	94.0	99.4
172	Camarines Norte	C171	43.47	327.1	370.6	406.6	430.1
173	Camarines Norte	C172	2.62	345.7	391.7	429.8	454.6
174	Camarines Norte	C173	17.99	72.3	81.9	89.8	95.1
175	Quezon	C174	32.69	226.2	256.3	281.1	297.4
176	Camarines Norte	C175	25.45	12.0	13.6	14.9	15.7
177	Camarines Norte	C176	63.72	193.8	219.5	240.9	254.8
178	Camarines Norte	C177	0.01	156.4	177.3	194.5	205.7
179	Camarines Norte	C178	2.18	154.9	175.4	192.5	203.6
180	Camarines Norte	C179	4.51	286.9	325.1	356.6	377.3
181	Camarines Norte	C180	33.21	20.5	23.2	25.5	26.9
182	Camarines Sur	C181	17.19	260.3	294.9	323.5	342.3
183	Camarines Norte	C182	42.67	345.7	391.7	429.8	454.6
184	Camarines Norte	C183	40.73	345.7	391.7	429.8	454.6
185	Camarines Norte	C184	67.93	271.5	307.6	337.4	357.0
186	Camarines Norte	C185	12.47	25.2	28.6	31.4	33.2
187	Sorsogon	C186	50.52	289.3	327.8	359.6	380.5
188	Albay	C187	10.13	4.6	5.3	5.8	6.1
189	Masbate	C188	18.75	13.9	15.8	17.3	18.3
190	Masbate	C189	19.25	1.0	1.2	1.3	1.4
191	Masbate	C190	47.45	13.9	15.8	17.3	18.3
192	Masbate	C191	68.47	11.4	12.9	14.2	15.0
193	Masbate	C192	60.64	48.9	55.4	60.7	64.3
194	Masbate	C193	18.08	24.5	27.7	30.4	32.2
195	Masbate	C194	10.14	12.1	13.7	15.1	15.9
196	Masbate	C195	13.64	13.9	15.8	17.3	18.3
197	Masbate	C196	28.05	15.1	17.1	18.8	19.9
198	Masbate	C197	83.04	65.9	74.6	81.9	86.6
199	Masbate	C198	75.89	15.6	17.7	19.4	20.5
200	Masbate	C199	5.47	32.4	36.8	40.3	42.7
201	Masbate	C200	15.03	170.0	192.6	211.3	223.5
202	Masbate	C201	0.81	22.0	24.9	27.4	28.9
203	Masbate	C202	29.52	4.9	5.6	6.1	6.4
204	Masbate	C203	0.77	20.0	22.6	24.8	26.2
205	Masbate	C204	25.69	29.3	33.2	36.4	38.5
206	Sorsogon	C205	0.87	41.3	46.8	51.3	54.3
207	Sorsogon	C206	16.09	170.6	193.3	212.1	224.4
208	Sorsogon	C207	0.48	70.9	80.3	88.1	93.2
209	Sorsogon	C208	3.89	199.9	226.5	248.5	262.9
210	Sorsogon	C209	83.93	101.9	115.4	126.6	134.0
211	Albay	C210	23.50	155.0	175.7	192.7	203.9
212	Albay	C211	0.25	165.5	187.5	205.7	217.7
213	Albay	C212	3.57	130.2	147.6	161.9	171.3
214	Albay	C213	2.87	116.4	131.9	144.7	153.1
215	Albay	C214	8.99	101.8	115.4	126.6	133.9
216	Albay	C215	9.30	45.8	51.9	57.0	60.3
217	Sorsogon	C216	21.56	39.4	44.7	49.0	51.9
218	Sorsogon	C217	16.40	129.1	146.3	160.5	169.8
219	Sorsogon	C218	0.68	100.9	114.3	125.4	132.7
220	Sorsogon	C219	21.30	26.8	30.3	33.3	35.2
221	Camarines Sur	C220	21.07	30.0	34.0	37.3	39.4
222	Camarines Sur	C221	36.33	59.5	67.4	73.9	78.2
223	Quezon	C222	61.18	306.2	346.9	380.6	402.6
224	Camarines Norte	C223	21.34	345.7	391.7	429.8	454.6
225	Camarines Norte	C224	32.84	57.9	65.6	72.0	76.2
226	Catanduanes	C225	20.94	101.8	115.3	126.5	133.8
227	Albay	C226	17.72	37.2	42.1	46.2	48.9
228	Camarines Sur	C227	1.39	152.1	172.3	189.1	200.0
229	Camarines Norte	C228	23.12	52.5	59.5	65.2	69.0
230	Camarines Norte	C229	8.22	80.3	91.0	99.8	105.6
231	Camarines Norte	C230	23.84	157.9	178.9	196.2	207.6
232	Camarines Norte	C231	1.40	147.3	166.9	183.1	193.7
233	Sorsogon	C232	5.37	65.6	74.3	81.5	86.2
234	Albay	C233	0.36	58.7	66.5	73.0	77.2
235	Camarines Sur	C234	48.47	207.7	235.3	258.2	273.1
236	Albay	C235	0.88	33.0	37.4	41.0	43.4
237	Albay	C236	3.67	53.6	60.8	66.7	70.5
238	Masbate	C237	6.76	172.5	195.4	214.4	226.8
239	Camarines Sur	C238	0.00	26.4	30.0	32.9	34.8
240	Masbate	C239	64.83	86.3	97.8	107.3	113.5
241	Sorsogon	C240	1.38	72.1	81.7	89.6	94.8
242	Camarines Norte	C241	47.75	171.4	194.2	213.0	225.4
243	Masbate	C242	61.01	0.0	0.0	0.0	0.0

Source: JICA Survey Team

Table DBH-91 Estimated Sub-Basin-wise Livestock & Poultry Water Demands (GW) [WRR V] (m^3/day)

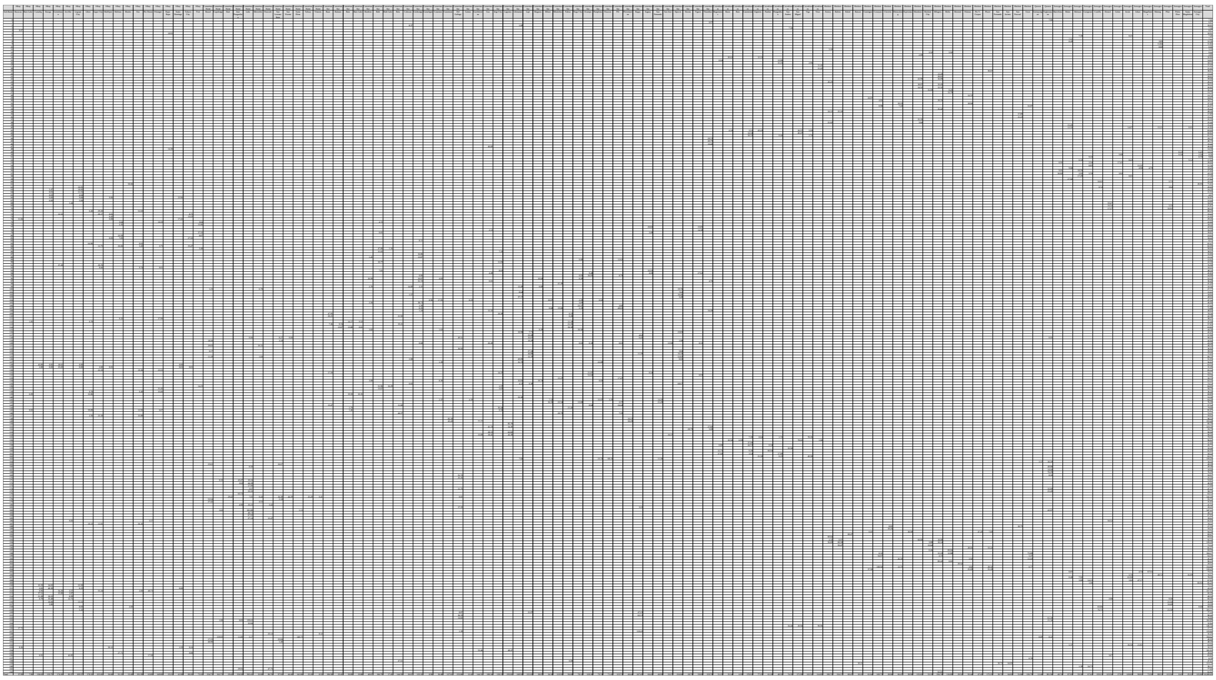
	Province	Sub-Basin	Total Area [km2]	2020	2030	2040	2050
1	Quezon	C0	7.66	0.0	0.0	0.0	0.0
2	Camarines Sur	C1	6.97	383.6	434.7	476.9	504.5
3	Camarines Sur	C2	1.68	0.0	0.0	0.0	0.0
4	Catanduanes	C3	7.34	0.0	0.0	0.0	0.0
5	Albay	C4	8.07	0.0	0.0	0.0	0.0
6	Albay	C5	10.91	0.0	0.0	0.0	0.0
7	Sorsogon	C6	7.18	0.0	0.0	0.0	0.0
8	Sorsogon	C7	7.11	0.0	0.0	0.0	0.0
9	Sorsogon	C8	8.49	0.0	0.0	0.0	0.0
10	Sorsogon	C9	11.84	0.0	0.0	0.0	0.0
11	Sorsogon	C10	8.88	0.0	0.0	0.0	0.0
12	Masbate	C11	3.10	0.0	0.0	0.0	0.0
13	Masbate	C12	5.92	0.0	0.0	0.0	0.0
14	Masbate	C13	2.09	0.0	0.0	0.0	0.0
15	Catanduanes	C14	12.22	0.0	0.0	0.0	0.0
16	Catanduanes	C15	13.99	144.9	164.1	180.1	190.5
17	Catanduanes	C16	15.15	0.0	0.0	0.0	0.0
18	Catanduanes	C17	11.42	0.0	0.0	0.0	0.0
19	Catanduanes	C18	11.41	0.0	0.0	0.0	0.0
20	Masbate	C19	30.67	0.0	0.0	0.0	0.0
21	Masbate	C20	13.20	0.0	0.0	0.0	0.0
22	Masbate	C21	20.01	0.0	0.0	0.0	0.0
23	Masbate	C22	16.09	0.0	0.0	0.0	0.0
24	Masbate	C23	20.25	0.0	0.0	0.0	0.0
25	Masbate	C24	32.45	0.0	0.0	0.0	0.0
26	Masbate	C25	12.31	0.0	0.0	0.0	0.0
27	Masbate	C26	0.45	0.0	0.0	0.0	0.0
28	Masbate	C27	13.79	0.0	0.0	0.0	0.0
29	Masbate	C28	13.72	0.0	0.0	0.0	0.0
30	Masbate	C29	24.07	0.0	0.0	0.0	0.0
31	Masbate	C30	29.33	0.0	0.0	0.0	0.0
32	Masbate	C31	18.04	0.0	0.0	0.0	0.0
33	Masbate	C32	32.87	0.0	0.0	0.0	0.0
34	Masbate	C33	35.42	0.0	0.0	0.0	0.0
35	Masbate	C34	25.16	0.0	0.0	0.0	0.0
36	Masbate	C35	17.89	0.0	0.0	0.0	0.0
37	Masbate	C36	15.23	0.0	0.0	0.0	0.0
38	Masbate	C37	25.35	0.0	0.0	0.0	0.0
39	Masbate	C38	3.84	0.0	0.0	0.0	0.0
40	Sorsogon	C39	15.45	0.0	0.0	0.0	0.0
41	Sorsogon	C40	12.55	63.1	71.4	78.4	82.9
42	Catanduanes	C41	5.93	0.0	0.0	0.0	0.0
43	Catanduanes	C42	46.47	39.5	44.8	49.2	52.0
44	Catanduanes	C43	0.44	0.0	0.0	0.0	0.0
45	Camarines Sur	C44	29.72	0.0	0.0	0.0	0.0
46	Camarines Sur	C45	40.79	0.0	0.0	0.0	0.0
47	Camarines Sur	C46	10.46	0.0	0.0	0.0	0.0
48	Camarines Sur	C47	46.60	0.0	0.0	0.0	0.0
49	Albay	C48	14.30	0.0	0.0	0.0	0.0
50	Sorsogon	C49	6.45	0.0	0.0	0.0	0.0
51	Sorsogon	C50	2.34	0.0	0.0	0.0	0.0
52	Sorsogon	C51	9.10	0.0	0.0	0.0	0.0
53	Sorsogon	C52	0.10	0.0	0.0	0.0	0.0
54	Sorsogon	C53	2.34	0.0	0.0	0.0	0.0
55	Sorsogon	C54	0.05	0.0	0.0	0.0	0.0
56	Sorsogon	C55	9.68	0.0	0.0	0.0	0.0
57	Sorsogon	C56	18.59	0.0	0.0	0.0	0.0
58	Sorsogon	C57	2.95	0.0	0.0	0.0	0.0
59	Sorsogon	C58	17.29	0.0	0.0	0.0	0.0
60	Sorsogon	C59	27.04	0.0	0.0	0.0	0.0
61	Sorsogon	C60	5.71	0.0	0.0	0.0	0.0
62	Albay	C61	20.95	0.0	0.0	0.0	0.0
63	Albay	C62	3.04	0.0	0.0	0.0	0.0
64	Albay	C63	18.82	0.0	0.0	0.0	0.0
65	Albay	C64	11.51	0.0	0.0	0.0	0.0
66	Albay	C65	4.04	0.0	0.0	0.0	0.0
67	Albay	C66	9.84	0.0	0.0	0.0	0.0
68	Albay	C67	5.84	0.0	0.0	0.0	0.0
69	Sorsogon	C68	33.47	0.0	0.0	0.0	0.0
70	Sorsogon	C69	5.33	0.0	0.0	0.0	0.0
71	Sorsogon	C70	32.91	401.1	454.4	498.6	527.5
72	Albay	C71	6.46	0.0	0.0	0.0	0.0
73	Albay	C72	12.52	0.0	0.0	0.0	0.0
74	Albay	C73	15.53	0.0	0.0	0.0	0.0
75	Albay	C74	11.84	186.9	211.8	232.3	245.8
76	Albay	C75	3.04	0.0	0.0	0.0	0.0
77	Albay	C76	15.96	0.0	0.0	0.0	0.0
78	Camarines Sur	C77	26.82	0.0	0.0	0.0	0.0
79	Camarines Sur	C78	2.13	0.0	0.0	0.0	0.0
80	Albay	C79	2.48	0.0	0.0	0.0	0.0
81	Albay	C80	23.59	0.0	0.0	0.0	0.0
82	Albay	C81	27.32	0.0	0.0	0.0	0.0
83	Camarines Sur	C82	8.11	1,229.7	1,393.2	1,528.5	1,617.0
84	Albay	C83	64.86	39.7	44.9	49.3	52.2
85	Albay	C84	35.47	0.0	0.0	0.0	0.0
86	Camarines Sur	C85	2.48	14.6	16.6	18.2	19.2
87	Camarines Sur	C86	7.31	0.0	0.0	0.0	0.0
88	Camarines Sur	C87	16.86	0.0	0.0	0.0	0.0
89	Camarines Sur	C88	13.87	0.0	0.0	0.0	0.0
90	Camarines Sur	C89	12.62	40.8	46.2	50.7	53.6
91	Camarines Sur	C90	11.81	0.0	0.0	0.0	0.0
92	Albay	C91	37.28	275.9	312.6	343.0	362.9
93	Albay	C92	0.01	13.9	15.8	17.3	18.3
94	Camarines Sur	C93	8.61	6.5	7.4	8.1	8.6
95	Camarines Sur	C94	4.49	25.4	28.8	31.6	33.4
96	Camarines Sur	C95	8.79	8.9	10.0	11.0	11.6
97	Camarines Sur	C96	10.04	0.0	0.0	0.0	0.0
98	Camarines Sur	C97	0.01	406.1	460.1	504.8	534.0
99	Camarines Sur	C98	41.49	533.8	604.7	663.5	701.9
100	Camarines Sur	C99	0.00	19.4	21.9	24.1	25.5
101	Camarines Sur	C100	19.76	565.1	640.2	702.4	743.1
102	Camarines Sur	C101	8.64	22.2	25.2	27.6	29.2
103	Camarines Sur	C102	16.46	936.3	1,060.8	1,163.8	1,231.2
104	Camarines Sur	C103	37.17	64.8	73.4	80.6	85.2
105	Camarines Sur	C104	10.07	0.0	0.0	0.0	0.0
106	Camarines Sur	C105	5.69	0.0	0.0	0.0	0.0
107	Camarines Sur	C106	2.66	113.9	129.0	141.5	149.7
108	Camarines Sur	C107	0.68	0.0	0.0	0.0	0.0
109	Camarines Sur	C108	12.32	29.1	33.0	36.2	38.3
110	Camarines Sur	C109	24.26	234.8	266.0	291.9	308.8
111	Camarines Sur	C110	0.26	386.0	437.4	479.9	507.6
112	Albay	C111	37.99	44.6	50.6	55.5	58.7
113	Camarines Sur	C112	11.18	174.6	197.8	217.0	229.6
114	Camarines Sur	C113	21.35	36.2	41.0	45.0	47.6
115	Camarines Sur	C114	36.30	3.5	4.0	4.4	4.6
116	Camarines Sur	C115	8.29	262.9	297.9	326.8	345.7
117	Camarines Sur	C116	7.71	0.5	0.5	0.6	0.6
118	Camarines Sur	C117	53.28	2.2	2.4	2.7	2.8
119	Camarines Sur	C118	0.05	67.8	76.9	84.3	89.2
120	Camarines Sur	C119	19.29	0.1	0.2	0.2	0.2
121	Camarines Sur	C120	26.49	113.0	128.0	140.4	148.5
122	Camarines Norte	C121	19.31	0.0	0.0	0.0	0.0
123	Camarines Sur	C122	36.92	24.1	27.4	30.0	31.8
124	Camarines Sur	C123	27.34	0.9	1.1	1.2	1.2
125	Camarines Sur	C124	44.88	22.0	24.9	27.3	28.9
126	Camarines Sur	C125	15.70	992.8	1,124.8	1,234.0	1,305.5
127	Camarines Sur	C126	49.85	645.0	730.8	801.8	848.2
128	Camarines Sur	C127	31.75	0.0	0.0	0.0	0.0
129	Albay	C128	0.00	0.0	0.0	0.0	0.0
130	Albay	C129	0.00	294.8	334.0	366.4	387.7
131	Albay	C130	23.55	33.4	37.9	41.6	44.0
132	Camarines Sur	C131	14.37	31.1	35.2	38.6	40.8
133	Camarines Sur	C132	52.62	189.4	214.6	235.5	249.1
134	Camarines Sur	C133	17.47	531.5	602.2	660.7	698.9
135	Camarines Sur	C134	19.74	59.3	67.2	73.8	78.0
136	Camarines Sur	C135	0.30	1.5	1.6	1.8	1.9
137	Camarines Sur	C136	1.57	249.1	282.3	309.7	327.6
138	Albay	C137	5.67	408.0	462.3	507.2	536.5
139	Albay	C138	0.78	589.8	668.2	733.1	775.6
140	Albay	C139	32.86	1,023.9	1,160.1	1,272.7	1,346.4
141	Camarines Sur	C140	53.30	120.3	136.4	149.6	158.3
142	Camarines Sur	C141	4.19	161.8	183.3	201.1	212.8
143	Camarines Sur	C142	21.49	95.8	108.5	119.0	125.9
144	Camarines Sur	C143	24.44	72.3	82.0	89.9	95.1
145	Camarines Sur	C144	56.44	1,028.5	1,165.3	1,278.5	1,352.5
146	Albay	C145	0.10	393.7	446.1	489.4	517.7
147	Camarines Sur	C146	7.35	349.3	395.7	434.2	459.3
148	Albay	C147	2.56	0.0	0.0	0.0	0.0
149	Camarines Sur	C148	16.15	0.0	0.0	0.0	0.0
150	Camarines Sur	C149	77.77	0.0	0.0	0.0	0.0
151	Camarines Sur	C150	85.78	0.0	0.0	0.0	0.0
152	Camarines Sur	C151	54.36	0.0	0.0	0.0	0.0
153	Camarines Sur	C152	5.00	0.0	0.0	0.0	0.0
154	Camarines Sur	C153	62.82	0.0	0.0	0.0	0.0
155	Camarines Sur	C154	42.39	786.6	891.2	977.7	1,034.4
156	Catanduanes	C155	1.72	0.0	0.0	0.0	0.0
157	Catanduanes	C156	78.01	0.0	0.0	0.0	0.0
158	Catanduanes	C157	37.99	0.0	0.0	0.0	0.0
159	Catanduanes	C158	44.53	0.0	0.0	0.0	0.0
160	Catanduanes	C159	32.56	0.0	0.0	0.0	0.0
161	Catanduanes	C160	60.94	0.0	0.0	0.0	0.0
162	Catanduanes	C161	17.09	579.0	656.0	719.7	761.4
163	Catanduanes	C162	0.15	110.2	124.9	137.0	144.9
164	Camarines Sur	C163	7.02	362.0	410.1	450.0	476.0
165	Quezon	C164	30.59	85.8	97.2	106.6	112.8
166	Camarines Norte	C165	24.67	3.8	4.3	4.7	4.9
167	Quezon	C166	48.88	0.0	0.0	0.0	0.0
168	Quezon	C167	18.68	0.0	0.0	0.0	0.0
169	Quezon	C168	76.29	0.0	0.0	0.0	0.0
170	Camarines Sur	C169	8.26	0.0	0.0	0.0	0.0
171	Camarines Sur	C170	25.35	70.3	79.6	87.4	92.4
172	Camarines Norte	C171	43.47	348.9	395.3	433.7	458.8
173	Camarines Norte	C172	2.62	369.5	418.6	459.3	485.9
174	Camarines Norte	C173	17.99	20.9	23.7	26.0	27.5
175	Quezon	C174	32.69	209.5	237.3	260.4	275.4
176	Camarines Norte	C175	25.45	0.0	0.0	0.0	0.0
177	Camarines Norte	C176	63.72	102.7	116.4	127.7	135.0
178	Camarines Norte	C177	0.01	148.7	168.5	184.9	195.6
179	Camarines Norte	C178	2.18	139.5	158.0	173.4	183.4
180	Camarines Norte	C179	4.51	303.1	343.4	376.7	398.5
181	Camarines Norte	C180	33.21	0.9	1.1	1.2	1.2
182	Camarines Sur	C181	17.19	255.5	289.5	317.6	336.0
183	Camarines Norte	C182	42.67	369.5	418.6	459.3	485.9
184	Camarines Norte	C183	40.73	369.5	418.6	459.3	485.9
185	Camarines Norte	C184	67.93	282.3	319.8	350.9	371.2
186	Camarines Norte	C185	12.47	0.0	0.0	0.0	0.0
187	Sorsogon	C186	50.52	533.7	604.7	663.4	701.9
188	Albay	C187	10.13	0.0	0.0	0.0	0.0
189	Masbate	C188	18.75	0.0	0.0	0.0	0.0
190	Masbate	C189	19.25	0.0	0.0	0.0	0.0
191	Masbate	C190	47.45	0.0	0.0	0.0	0.0
192	Masbate	C191	68.47	0.0	0.0	0.0	0.0
193	Masbate	C192	60.64	0.0	0.0	0.0	0.0
194	Masbate	C193	18.08	0.0	0.0	0.0	0.0
195	Masbate	C194	10.14	0.0	0.0	0.0	0.0
196	Masbate	C195	13.64	0.0	0.0	0.0	0.0
197	Masbate	C196	28.05	0.0	0.0	0.0	0.0
198	Masbate	C197	83.04	0.0	0.0	0.0	0.0
199	Masbate	C198	75.89	0.0	0.0	0.0	0.0
200	Masbate	C199	5.47	0.0	0.0	0.0	0.0
201	Masbate	C200	15.03	0.0	0.0	0.0	0.0
202	Masbate	C201	0.81	0.0	0.0	0.0	0.0
203	Masbate	C202	29.52	0.0	0.0	0.0	0.0
204	Masbate	C203	0.77	0.0	0.0	0.0	0.0
205	Masbate	C204	25.69	0.0	0.0	0.0	0.0
206	Sorsogon	C205	0.87	0.0	0.0	0.0	0.0
207	Sorsogon	C206	16.09	0.0	0.0	0.0	0.0
208	Sorsogon	C207	0.48	0.0	0.0	0.0	0.0
209	Sorsogon	C208	3.89	0.0	0.0	0.0	0.0
210	Sorsogon	C209	83.93	0.0	0.0	0.0	0.0
211	Albay	C210	23.50	0.0	0.0	0.0	0.0
212	Albay	C211	0.25	9.4	10.6	11.6	12.3
213	Albay	C212	3.57	0.0	0.0	0.0	0.0
214	Albay	C213	2.87	0.0	0.0	0.0	0.0
215	Albay	C214	8.99	0.0	0.0	0.0	0.0
216	Albay	C215	9.30	0.0	0.0	0.0	0.0
217	Sorsogon	C216	21.56	0.0	0.0	0.0	0.0
218	Sorsogon	C217	16.40	0.0	0.0	0.0	0.0
219	Sorsogon	C218	0.68	0.0	0.0	0.0	0.0
220	Sorsogon	C219	21.30	3.6	4.1	4.5	4.7
221	Camarines Sur	C220	21.07	3.7	4.2	4.6	4.9
222	Camarines Sur	C221	36.33	0.0	0.0	0.0	0.0
223	Quezon	C222	61.18	316.8	358.9	393.7	416.5
224	Camarines Norte	C223	21.34	369.5	418.6	459.3	485.9
225	Camarines Norte	C224	32.84	0.0	0.0	0.0	0.0
226	Catanduanes	C225	20.94	0.0	0.0	0.0	0.0
227	Albay	C226	17.72	5.8	6.6	7.2	7.7
228	Camarines Sur	C227	1.39	215.1	243.8	267.4	282.9
229	Camarines Norte	C228	23.12	98.0	111.0	121.8	128.8
230	Camarines Norte	C229	8.22	76.4	86.5	94.9	100.4
231	Camarines Norte	C230	23.84	150.1	170.1	186.6	197.4
232	Camarines Norte	C231	1.40	0.0	0.0	0.0	0.0
233	Sorsogon	C232	5.37	0.0	0.0	0.0	0.0
234	Albay	C233	0.36	0.0	0.0	0.0	0.0
235	Camarines Sur	C234	48.47	0.0	0.0	0.0	0.0
236	Albay	C235	0.88	0.0	0.0	0.0	0.0
237	Albay	C236	3.67	0.0	0.0	0.0	0.0
238	Masbate	C237	6.76	453.3	513.6	563.5	596.1
239	Camarines Sur	C238	0.00	31.7	35.9	39.4	41.6
240	Masbate	C239	64.83	0.0	0.0	0.0	0.0
241	Sorsogon	C240	1.38	56.8	64.4	70.6	74.7
242	Camarines Norte	C241	47.75	0.0	0.0	0.0	0.0
243	Masbate	C242	61.01	0.0	0.0	0.0	0.0

Source: JICA Survey Team

1.3.3 Municipal and Industrial Water Demand

(1) Area [km^2] of Sub-Basin in Municipality

Table DBH-92 Area [km^2] of Sub-Basin in Municipality [WRR-V]



Source: JICA Survey Team

(2) Estimated Municipality-wise Municipal and Industrial Water Demand

Table DBH-93 Estimated Municipality-wise Municipal and Industrial Water Demand (SW+GW=Total) [WRR-VII] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Albay	Bacacay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Camalig	265.93	270.06	274.20	278.33	282.46	286.60	290.73	294.86	299.00	303.13	307.27	311.40	315.53	319.67	323.80	327.93	332.07	336.20	340.34	344.47	348.60
Albay	Daraga	266.47	270.61	274.76	278.90	283.04	287.19	291.33	295.47	299.61	303.76	307.90	312.04	316.19	320.33	324.47	328.62	332.76	336.90	341.05	345.19	349.33
Albay	Guinobatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Jovellar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Legazpi City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Libon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Ligao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malilipot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malinao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Manito	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Oas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Pio Duran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Polangui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tiwi	2,227.72	2,262.37	2,297.01	2,331.66	2,366.30	2,400.95	2,435.59	2,470.24	2,504.88	2,539.53	2,574.17	2,608.82	2,643.46	2,678.11	2,712.75	2,747.40	2,782.04	2,816.69	2,851.33	2,885.98	2,920.63
Camarines Norte	Basud	1,005.29	1,056.25	1,107.21	1,158.17	1,209.13	1,260.09	1,311.05	1,362.01	1,412.97	1,463.93	1,514.89	1,565.85	1,616.81	1,667.77	1,718.73	1,769.69	1,820.65	1,871.61	1,922.57	1,973.53	2,024.49
Camarines Norte	Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Daet	13,459.79	14,142.19	14,824.60	15,507.00	16,189.40	16,871.80	17,554.20	18,236.60	18,919.00	19,601.40	20,283.80	20,966.20	21,648.60	22,331.00	23,013.40	23,695.81	24,378.21	25,060.61	25,743.01	26,425.41	27,107.81
Camarines Norte	Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Labo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Mercedes	0.61	0.64	0.67	0.70	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.98	1.01	1.04	1.07	1.10	1.13	1.16	1.19	1.22
Camarines Norte	Paracale	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Talisay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Baao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Balatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bombon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Buhi	15.43	15.87	16.30	16.74	17.18	17.61	18.05	18.49	18.92	19.36	19.80	20.23	20.67	21.11	21.54	21.98	22.42	22.85	23.29	23.73	24.16
Camarines Sur	Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Cabusao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Calabanga	63.11	64.90	66.68	68.47	70.26	72.04	73.83	75.61	77.40	79.19	80.97	82.76	84.54	86.33	88.12	89.90	91.69	93.47	95.26	97.05	98.83
Camarines Sur	Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Canaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Caramoan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Del Gallego	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Gainza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Garchitorena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Goa	107.45	110.49	113.53	116.57	119.61	122.65	125.69	128.74	131.78	134.82	137.86	140.90	143.94	146.98	150.02	153.06	156.11	159.15	162.19	165.23	168.27
Camarines Sur	Iriga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Libmanan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Magarao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Milaor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Minalabac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Nabua	4.10	4.22	4.33	4.45	4.57	4.68	4.80	4.91	5.03	5.15	5.26	5.38	5.49	5.61	5.73	5.84	5.96	6.07	6.19	6.31	6.42
Camarines Sur	Naga City	8.37	10.21	12.05	13.88	15.72	17.56	19.40	21.23	23.07	24.91	26.75	28.58	30.42	32.26	34.09	35.93	37.77	39.61	41.44	43.28	45.12
Camarines Sur	Ocampo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pamplona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pasacao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ragay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sipocot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Siruma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tigaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tinambac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bagamanoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Baras	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Caramoran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Gigmoto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Pandan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Andres	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Viga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Virac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Aroroy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Baleno	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Balud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cataingan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Claveria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Dimasalang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mandaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Milagros	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Monreal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Palanas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Placer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Jacinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Pascual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Uson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Guinayangan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Tagkawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Barcelona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Casiguran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Castilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Donsol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Gubat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Irosin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Juban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Magallanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Matnog	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Prieto Diaz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Sorsogon City	5,741.73	5,966.86	6,192.00	6,417.14	6,642.27	6,867.41	7,092.55	7,317.68	7,542.82	7,767.95	7,993.09	8,218.23	8,443.36	8,668.50	8,893.64	9,118.77	9,343.91	9,569.04	9,794.18	10,019.32	10,244.45
Total		23,166.00	24,174.66	25,183.33	26,192.00	27,200.67	28,209.33	29,218.00	30,226.67	31,235.34	32,244.00	33,252.67	34,261.34	35,270.00	36,278.67	37,287.34	38,296.01	39,304.67	40,313.34	41,322.01	42,330.67	43,339.34

Province	Municipality	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Albay	Bacacay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Camalig	352.74	356.87	361.00	365.14	369.27	373.41	377.54	381.67	385.81	389.94	394.07	398.21	402.34	406.48	410.61	414.74	418.88	423.01	427.14	431.28	440.59	460.56	464.17	493.82	520.03	542.51	560.24
Albay	Daraga	353.47	357.62	361.76	365.90	370.05	374.19	378.33	382.48	386.62	390.76	394.91	399.05	403.19	407.33	411.48	415.62	419.76	423.91	428.05	432.19	441.52	461.53	465.17	494.88	521.15	543.68	561.44
Albay	Guinobatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Jovellar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Legazpi City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Libon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Ligao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malilipot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malinao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Manito	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Oas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Pio Duran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Polangui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tiwi	2,955.27	2,989.92	3,024.56	3,059.21	3,093.85	3,128.50	3,163.14	3,197.79	3,232.43	3,267.08	3,301.72	3,336.37	3,371.01	3,405.66	3,440.30	3,474.95	3,509.59	3,544.24	3,578.88	3,613.53	3,691.52	3,858.86	3,889.29	4,137.77	4,357.43	4,545.82	4,694.26
Camarines Norte	Basud	2,075.45	2,126.41	2,177.37	2,228.33	2,279.29	2,330.25	2,381.21	2,432.17	2,483.13	2,534.09	2,585.05	2,636.01	2,686.97	2,737.93	2,788.89	2,839.85	2,890.81	2,941.77	2,992.73	3,043.69	3,205.78	3,364.38	3,471.53	3,787.82	4,099.87	4,399.90	4,684.13
Camarines Norte	Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Daet	27,790.21	28,472.61	29,155.01	29,837.41	30,519.81	31,202.21	31,884.61	32,567.01	33,249.42	33,931.82	34,614.22	35,296.62	35,979.02	36,661.42	37,343.82	38,026.22	38,708.62	39,391.02	40,073.42	40,755.82	42,926.00	45,050.40	46,484.76	50,720.02	54,899.57	58,916.62	62,722.28
Camarines Norte	Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Labo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Mercedes	1.25	1.28	1.31	1.34	1.38	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.81	1.84	1.93	2.03	2.09	2.29	2.47	2.65	2.83
Camarines Norte	Paracale	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Talisay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Baao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Balatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bombon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Buhi	24.60	25.04	25.47	25.91	26.35	26.78	27.22	27.66	28.09	28.53	28.97	29.40	29.84	30.28	30.71	31.15	31.59	32.02	32.46	32.90	34.23	35.62	36.46	39.40	42.14	44.62	46.72
Camarines Sur	Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Cabusao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Calabanga	100.62	102.41	104.19	105.98	107.76	109.55	111.34	113.12	114.91	116.69	118.48	120.27	122.05	123.84	125.62	127.41	129.20	130.98	132.77	134.55	140.01	145.69	149.12	161.17	172.36	182.48	191.09
Camarines Sur	Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Canaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Caramoan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Del Gallego	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Gainza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Garchitorena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Goa	171.31	174.35	177.39	180.43	183.48	186.52	189.56	192.60	195.64	198.68	201.72	204.76	207.80	210.85	213.89	216.93	219.97	223.01	226.05	229.09	238.38	248.06	253.90	274.40	293.47	310.70	325.35
Camarines Sur	Iriga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Libmanan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Magarao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Milaor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Minalabac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Nabua	6.54	6.66	6.77	6.89	7.00	7.12	7.24	7.35	7.47	7.58	7.70	7.82	7.93	8.05	8.16	8.28	8.40	8.51	8.63	8.74	9.10	9.47	9.69	10.47	11.20	11.86	12.42
Camarines Sur	Naga City	46.96	48.79	50.63	52.47	54.30	56.14	57.98	59.82	61.65	63.49	65.33	67.16	69.00	70.84	72.68	74.51	76.35	78.19	80.03	81.86	91.62	85.81	93.69	115.72	123.76	131.02	137.20
Camarines Sur	Ocampo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pamplona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pasacao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ragay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sipocot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Siruma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tigaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tinambac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bagamanoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Baras	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Caramoran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Gigmoto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Pandan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Andres	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Viga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Virac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Aroroy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Baleno	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Balud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cataingan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Claveria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Dimasalang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mandaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Milagros	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Monreal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Palanas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Placer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Jacinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Pascual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Uson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Guinayangan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Tagkawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Barcelona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Casiguran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Castilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Donsol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Gubat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Irosin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Juban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Magallanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Matnog	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Prieto Diaz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Sorsogon City	10,469.59	10,694.73	10,919.86	11,145.00	11,370.14	11,595.27	11,820.41	12,045.54	12,270.68	12,495.82	12,720.95	12,946.09	13,171.23	13,396.36	13,621.50	13,846.64	14,071.77	14,296.91	14,522.04	14,747.18	15,409.47	16,168.08	16,640.30	18,087.21	19,469.60	20,758.24	21,912.63
Total		44,348.01	45,356.68	46,365.34	47,374.01	48,382.68	49,391.34	50,400.01	51,408.68	52,417.35	53,426.01	54,434.68	55,443.35	56,452.01	57,460.68	58,469.35	59,478.02	60,486.68	61,495.35	62,504.02	63,512.69	66,630.15	69,890.50	71,960.17	78,324.97	84,513.05	90,390.11	95,850.58

Source: JICA Survey Team

Table DBH-94 Estimated Municipality-wise Municipal and Industrial Water Demand (SW) [WRR-VII] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Albay	Bacacay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Camalig	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Daraga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Guinobatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Jovellar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Legazpi City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Libon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Ligao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malilipot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malinao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Manito	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Oas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Pio Duran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Polangui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tiwi	2,226.98	2,261.61	2,296.25	2,330.88	2,365.52	2,400.15	2,434.78	2,469.42	2,504.05	2,538.68	2,573.32	2,607.95	2,642.58	2,677.22	2,711.85	2,746.48	2,781.12	2,815.75	2,850.39	2,885.02	2,919.65	2,954.29	2,988.92	3,023.55	3,058.19	3,092.82	3,127.45	3,162.09	3,196.72	3,231.36	3,265.99	3,300.62	3,335.26	3,369.89	3,404.52	3,439.16	3,473.79	3,508.42	3,543.06	3,577.69	3,612.32	3,690.29	3,857.57	3,887.99	4,136.39	4,355.98	4,544.31	4,692.70
Camarines Norte	Basud	1,005.29	1,056.25	1,107.21	1,158.17	1,209.13	1,260.09	1,311.05	1,362.01	1,412.97	1,463.93	1,514.89	1,565.85	1,616.81	1,667.77	1,718.73	1,769.69	1,820.65	1,871.61	1,922.57	1,973.53	2,024.49	2,075.45	2,126.41	2,177.37	2,228.33	2,279.29	2,330.25	2,381.21	2,432.17	2,483.13	2,534.09	2,585.05	2,636.01	2,686.97	2,737.93	2,788.89	2,839.85	2,890.81	2,941.77	2,992.73	3,043.69	3,205.78	3,364.38	3,471.53	3,787.82	4,099.87	4,399.90	4,684.13
Camarines Norte	Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Daet	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Labo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Mercedes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Paracale	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Talisay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Baao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Balatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bombon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Buhi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Cabusao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Calabanga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Canaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Caramoan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Del Gallego	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Gainza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Garchitorena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Goa	103.72	106.66	109.59	112.53	115.47	118.40	121.34	124.27	127.21	130.14	133.08	136.02	138.95	141.89	144.82	147.76	150.69	153.63	156.57	159.50	162.44	165.37	168.31	171.24	174.18	177.12	180.05	182.99	185.92	188.86	191.79	194.73	197.67	200.60	203.54	206.47	209.41	212.34	215.28	218.22	221.15	230.12	239.46	245.10	264.89	283.29	299.93	314.07
Camarines Sur	Iriga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Libmanan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Magarao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Milaor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Minalabac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Nabua	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Naga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ocampo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pamplona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pasacao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ragay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sipocot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Siruma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tigaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tinambac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bagamanoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Baras	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Caramoran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Gigmoto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Pandan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Andres	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Viga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Virac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Aroroy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Baleno	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Balud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cataingan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Claveria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Dimasalang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mandaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Milagros	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Monreal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Palanas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Placer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Jacinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Pascual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Uson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Guinayangan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Tagkawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Barcelona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Casiguran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Castilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Donsol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Gubat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Irosin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Juban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Magallanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Matnog	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Prieto Diaz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Sorsogon City	5,626.78	5,847.41	6,068.03	6,288.66	6,509.29	6,729.92	6,950.55	7,171.18	7,391.81	7,612.44	7,833.07	8,053.70	8,274.33	8,494.95	8,715.58	8,936.21	9,156.84	9,377.47	9,598.10	9,818.73	10,039.36	10,259.99	10,480.62	10,701.24	10,921.87	11,142.50	11,363.13	11,583.76	11,804.39	12,025.02	12,245.65	12,466.28	12,686.91	12,907.54	13,128.16	13,348.79	13,569.42	13,790.05	14,010.68	14,231.31	14,451.94	15,100.97	15,844.40	16,307.16	17,725.10	19,079.82	20,342.65	21,473.94
Total		8,962.77	9,271.93	9,581.08	9,890.24	10,199.40	10,508.56	10,817.72	11,126.88	11,436.04	11,745.19	12,054.35	12,363.51	12,672.67	12,981.83	13,290.99	13,600.14	13,909.30	14,218.46	14,527.62	14,836.78	15,145.94	15,455.10	15,764.25	16,073.41	16,382.57	16,691.73	17,000.89	17,310.05	17,619.21	17,928.36	18,237.52	18,546.68	18,855.84	19,165.00	19,474.16	19,783.32	20,092.47	20,401.63	20,710.79	21,019.95	21,329.11	22,227.15	23,305.81	23,911.78	25,914.20	27,818.96	29,586.79	31,164.83

Source: JICA Survey Team

Table DBH-95 Estimated Municipality-wise Municipal and Industrial Water Demand (GW) [WRR-VII] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Albay	Bacacay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Camalig	265.93	270.06	274.20	278.33	282.46	286.60	290.73	294.86	299.00	303.13	307.27	311.40	315.53	319.67	323.80	327.93	332.07	336.20	340.34	344.47	348.60	352.74	356.87	361.00	365.14	369.27	373.41	377.54	381.67	385.81	389.94	394.07	398.21	402.34	406.48	410.61	414.74	418.88	423.01	427.14	431.28	440.59	460.56	464.17	493.82	520.03	542.51	560.24
Albay	Daraga	266.47	270.61	274.76	278.90	283.04	287.19	291.33	295.47	299.61	303.76	307.90	312.04	316.19	320.33	324.47	328.62	332.76	336.90	341.05	345.19	349.33	353.47	357.62	361.76	365.90	370.05	374.19	378.33	382.48	386.62	390.76	394.91	399.05	403.19	407.33	411.48	415.62	419.76	423.91	428.05	432.19	441.52	461.53	465.17	494.88	521.15	543.68	561.44
Albay	Guinobatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Jovellar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Legazpi City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Libon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Ligao City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malilipot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Malinao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Manito	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Oas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Pio Duran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Polangui	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Rapu-Rapu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Santo Domingo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tabaco City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Albay	Tiwi	0.74	0.75	0.76	0.78	0.79	0.80	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.93	0.94	0.95	0.96	0.97	0.98	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.16	1.17	1.18	1.19	1.20	1.23	1.28	1.29	1.38	1.45	1.51	1.56
Camarines Norte	Basud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Capalonga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Daet	13,459.79	14,142.19	14,824.60	15,507.00	16,189.40	16,871.80	17,554.20	18,236.60	18,919.00	19,601.40	20,283.80	20,966.20	21,648.60	22,331.00	23,013.40	23,695.81	24,378.21	25,060.61	25,743.01	26,425.41	27,107.81	27,790.21	28,472.61	29,155.01	29,837.41	30,519.81	31,202.21	31,884.61	32,567.01	33,249.42	33,931.82	34,614.22	35,296.62	35,979.02	36,661.42	37,343.82	38,026.22	38,708.62	39,391.02	40,073.42	40,755.82	42,926.00	45,050.40	46,484.76	50,720.02	54,899.57	58,916.62	62,722.28
Camarines Norte	Jose Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Labo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Mercedes	0.61	0.64	0.67	0.70	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.98	1.01	1.04	1.07	1.10	1.13	1.16	1.19	1.22	1.25	1.28	1.31	1.34	1.38	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.81	1.84	1.93	2.03	2.09	2.29	2.47	2.65	2.83
Camarines Norte	Paracale	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Lorenzo Ruiz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	San Vicente	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Santa Elena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Talisay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Norte	Vinzons	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Baao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Balatan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bato Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bombon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Buhi	15.43	15.87	16.30	16.74	17.18	17.61	18.05	18.49	18.92	19.36	19.80	20.23	20.67	21.11	21.54	21.98	22.42	22.85	23.29	23.73	24.16	24.60	25.04	25.47	25.91	26.35	26.78	27.22	27.66	28.09	28.53	28.97	29.40	29.84	30.28	30.71	31.15	31.59	32.02	32.46	32.90	34.23	35.62	36.46	39.40	42.14	44.62	46.72
Camarines Sur	Buhi Lake	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Bula	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Cabusao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Calabanga	63.11	64.90	66.68	68.47	70.26	72.04	73.83	75.61	77.40	79.19	80.97	82.76	84.54	86.33	88.12	89.90	91.69	93.47	95.26	97.05	98.83	100.62	102.41	104.19	105.98	107.76	109.55	111.34	113.12	114.91	116.69	118.48	120.27	122.05	123.84	125.62	127.41	129.20	130.98	132.77	134.55	140.01	145.69	149.12	161.17	172.36	182.48	191.09
Camarines Sur	Camaligan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Canaman	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Caramoan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Del Gallego	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Gainza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Garchitorena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Goa	3.72	3.83	3.94	4.04	4.15	4.25	4.36	4.46	4.57	4.67	4.78	4.88	4.99	5.10	5.20	5.31	5.41	5.52	5.62	5.73	5.83	5.94	6.04	6.15	6.26	6.36	6.47	6.57	6.68	6.78	6.89	6.99	7.10	7.20	7.31	7.41	7.52	7.63	7.73	7.84	7.94	8.26	8.60	8.80	9.51	10.17	10.77	11.28
Camarines Sur	Iriga City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lagonoy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Libmanan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Lupi	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Magarao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Milaor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Minalabac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Nabua	4.10	4.22	4.33	4.45	4.57	4.68	4.80	4.91	5.03	5.15	5.26	5.38	5.49	5.61	5.73	5.84	5.96	6.07	6.19	6.31	6.42	6.54	6.66	6.77	6.89	7.00	7.12	7.24	7.35	7.47	7.58	7.70	7.82	7.93	8.05	8.16	8.28	8.40	8.51	8.63	8.74	9.10	9.47	9.69	10.47	11.20	11.86	12.42
Camarines Sur	Naga City	8.37	10.21	12.05	13.88	15.72	17.56	19.40	21.23	23.07	24.91	26.75	28.58	30.42	32.26	34.09	35.93	37.77	39.61	41.44	43.28	45.12	46.96	48.79	50.63	52.47	54.30	56.14	57.98	59.82	61.65	63.49	65.33	67.16	69.00	70.84	72.68	74.51	76.35	78.19	80.03	81.86	91.62	85.81	93.69	115.72	123.76	131.02	137.20
Camarines Sur	Ocampo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pamplona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pasacao	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Pili	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Presentacion	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Ragay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sagnay	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	San Jose	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Sipocot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Siruma	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tigaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Camarines Sur	Tinambac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bagamanoc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Baras	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Bato	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Caramoran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Gigmoto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Pandan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Panganiban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Andres	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	San Miguel	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Viga	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Catanduanes	Virac	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Aroroy	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Baleno	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Balud	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Batuan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cataingan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Cawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Claveria	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Dimasalang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Esperanza	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mandaon	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Masbate City	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Milagros	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Mobo	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Monreal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Palanas	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Pio V. Corpuz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Placer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Fernando	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Jacinto	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	San Pascual	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Masbate	Uson	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Guinayangan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quezon	Tagkawayan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Barcelona	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Bulusan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Casiguran	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Castilla	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Donsol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Gubat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Irosin	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Juban	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Magallanes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Matnog	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Pilar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Prieto Diaz	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Santa Magdalena	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sorsogon	Sorsogon City	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Total		[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

Source: JICA Survey Team

(3) Surface and Groundwater Use Rate

Table DBH-96 Surface and Groundwater Use Rates for Municipal and Industrial Water by NWRB Water Rights (2020) [WRR-VII]

Municipality	SW Litter/sec	GW Litter/sec	SW %	GW %
Aroroy	725.00	8.25	98.9%	1.1%
Baao	0.00	32.70	0.0%	100.0%
Bacacay	0.00	46.51	0.0%	100.0%
Bagamanoc	2,959.68	0.00	100.0%	0.0%
Balatan	9.28	4.50	67.3%	32.7%
Baleno	0.00	0.00	97.9%	2.1%
Balud	0.00	0.00	97.9%	2.1%
Baras	0.00	66.50	0.0%	100.0%
Barcelona	0.00	21.55	0.0%	100.0%
Basud	338.89	2.65	99.2%	0.8%
Bato	98.00	59.33	62.3%	37.7%
Bato Lake	0.00	0.00	97.9%	2.1%
Batuan	0.00	5.80	0.0%	100.0%
Bombon	0.00	0.00	97.9%	2.1%
Buhi	10,800.00	132.77	98.8%	1.2%
Buhi Lake	0.00	0.00	97.9%	2.1%
Bula	114,995.00	18.00	100.0%	0.0%
Bulan	0.00	34.80	0.0%	100.0%
Bulusan	0.00	9.10	0.0%	100.0%
Cabusao	0.00	0.00	97.9%	2.1%
Calabanga	800.00	75.87	91.3%	8.7%
Camalig	25.30	44.20	36.4%	63.6%
Camaligan	0.00	0.00	97.9%	2.1%
Canaman	0.00	35.00	0.0%	100.0%
Capalonga	0.00	0.00	97.9%	2.1%
Caramoan	29.05	29.20	49.9%	50.1%
Caramoran	1,648.44	0.00	100.0%	0.0%
Casiguran	0.00	129.69	0.0%	100.0%
Castilla	0.00	0.00	97.9%	2.1%
Cataingan	0.00	0.00	97.9%	2.1%
Cawayan	0.00	0.22	0.0%	100.0%
Claveria	8,004.00	9.27	99.9%	0.1%
Daet	15.00	22.42	40.1%	59.9%
Daraga	0.00	65.81	0.0%	100.0%
Del Gallego	3.98	30.80	11.4%	88.6%
Dimasalang	0.00	0.00	97.9%	2.1%
Donsol	0.00	27.40	0.0%	100.0%
Esperanza	0.00	40.10	0.0%	100.0%
Gainza	0.00	0.00	97.9%	2.1%
Garchitorena	27.00	0.00	100.0%	0.0%
Gigmoto	252.45	0.00	100.0%	0.0%
Goa	1,325.42	79.50	94.3%	5.7%
Gubat	20.00	50.59	28.3%	71.7%
Guinayangan	10.00	9.00	52.6%	47.4%
Guinobatan	0.00	0.00	97.9%	2.1%
Iriga City	0.00	18.00	0.0%	100.0%
Irosin	0.00	29.00	0.0%	100.0%
Jose Panganiban	0.00	0.00	97.9%	2.1%
Jovellar	0.00	0.00	97.9%	2.1%
Juban	0.00	0.00	97.9%	2.1%
Labo	1,941.80	501.60	79.5%	20.5%
Lagonoy	0.00	0.06	0.0%	100.0%
Legazpi City	320.44	5.00	98.5%	1.5%
Libmanan	0.00	31.14	0.0%	100.0%
Libon	0.00	0.00	97.9%	2.1%
Ligao City	0.00	5.00	0.0%	100.0%
Lupi	0.00	14.82	0.0%	100.0%
Magallanes	0.00	63.85	0.0%	100.0%
Magarao	0.00	12.95	0.0%	100.0%
Malilipot	0.00	0.00	97.9%	2.1%
Malinao	656.07	14.62	97.8%	2.2%
Mandaon	0.00	0.00	97.9%	2.1%
Manito	0.00	0.00	97.9%	2.1%
Masbate City	0.00	0.00	97.9%	2.1%
Matnog	0.00	8.00	0.0%	100.0%
Mercedes	872.00	1.37	99.8%	0.2%
Milagros	0.00	0.00	97.9%	2.1%
Milaor	0.00	17.45	0.0%	100.0%
Minalabac	0.00	0.29	0.0%	100.0%
Mobo	138.00	2,588.22	5.1%	94.9%
Monreal	0.00	0.00	97.9%	2.1%
Nabua	0.00	60.94	0.0%	100.0%
Naga City	0.00	319.09	0.0%	100.0%
Oas	0.00	0.00	97.9%	2.1%
Ocampo	0.00	0.00	97.9%	2.1%
Palanas	0.00	0.00	97.9%	2.1%
Pamplona	0.00	0.00	97.9%	2.1%
Pandan	0.00	0.00	97.9%	2.1%
Panganiban	68.35	0.00	100.0%	0.0%
Paracale	35.00	13.00	72.9%	27.1%
Pasacao	0.00	45.19	0.0%	100.0%
Pilar	24.00	25.77	48.2%	51.8%
Pili	139.00	364.84	27.6%	72.4%
Pio Duran	0.00	0.00	97.9%	2.1%
Pio V. Corpuz	0.00	0.00	97.9%	2.1%
Placer	40.50	18.94	68.1%	31.9%
Polangui	0.00	0.00	97.9%	2.1%
Presentacion	0.00	0.00	97.9%	2.1%
Prieto Diaz	0.00	0.00	97.9%	2.1%
Ragay	0.00	15.20	0.0%	100.0%
Rapu-Rapu	28.00	0.00	100.0%	0.0%
Sagnay	0.00	0.00	97.9%	2.1%
San Andres	2.60	1.80	59.1%	40.9%
San Fernando	0.00	1,350.33	0.0%	100.0%
San Jacinto	0.00	46.84	0.0%	100.0%
San Jose	47.28	331.73	12.5%	87.5%
San Lorenzo Ruiz	0.00	13.94	0.0%	100.0%
San Miguel	260,217.31	552.50	99.8%	0.2%
San Pascual	758.40	530.52	58.8%	41.2%
San Vicente	119.56	27.56	81.3%	18.7%
Santa Elena	0.00	0.00	97.9%	2.1%
Santa Magdalena	0.00	0.00	97.9%	2.1%
Santo Domingo	0.00	0.00	97.9%	2.1%
Sipocot	116.05	12.03	90.6%	9.4%
Siruma	0.00	14.00	0.0%	100.0%
Sorsogon City	7.70	3.48	68.9%	31.1%
Tabaco City	0.00	0.00	97.9%	2.1%
Tagkawayan	33.00	0.63	98.1%	1.9%
Talisay	2,427.93	548.45	81.6%	18.4%
Tigaon	0.00	100.00	0.0%	100.0%
Tinambac	0.00	63.80	0.0%	100.0%
Tiwi	296.50	101.35	74.5%	25.5%
Uson	0.00	0.00	97.9%	2.1%
Viga	31.73	0.00	100.0%	0.0%
Vinzons	0.00	0.00	97.9%	2.1%
Virac	728.00	28.03	96.3%	3.7%
Total	411,135.69	8,992.85	97.9%	2.1%

Source: JICA Survey Team

(4) Estimated Sub-Basin-wise Municipal and Industrial Water Demand

Table DBH-97 Estimated Sub-Basin-wise Municipal and Industrial Water Demand (SW) [WRR-V] (m^3/day)

Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	139.4	140.2	141.0	141.8	142.5	143.3	144.1	144.9	145.7	146.5	147.3	148.0	148.8	149.6	150.4	151.2	152.0	152.7	153.5	154.3	155.1	155.9	156.7	157.5	158.2	159.0	159.8	160.6	161.4	162.2	162.9	163.7	164.5	165.3	166.1	166.9	167.7	168.4	169.2	170.0	170.8	170.3	178.4	176.4	183.7	189.1	192.3	193.4
C1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C2	427.1	439.2	451.3	463.4	475.4	487.5	499.6	511.7	523.8	535.9	547.9	560.0	572.1	584.2	596.3	608.3	620.4	632.5	644.6	656.7	668.8	680.8	692.9	705.0	717.1	729.2	741.3	753.3	765.4	777.5	789.6	801.7	813.8	825.8	837.9	850.0	862.1	874.2	886.3	898.3	910.4	947.3	985.8	1,009.0	1,090.4	1,166.2	1,234.7	1,292.9
C3	78.9	85.3	91.7	98.0	104.4	110.8	117.2	123.6	130.0	136.4	142.8	149.2	155.5	161.9	168.3	174.7	181.1	187.5	193.9	200.3	206.7	213.1	219.4	225.8	232.2	238.6	245.0	251.4	257.8	264.2	270.6	276.9	283.3	289.7	296.1	302.5	308.9	315.3	321.7	328.1	334.5	359.8	372.2	386.8	425.2	464.6	504.1	544.1
C4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C5	1,509.5	1,533.0	1,556.5	1,580.0	1,603.4	1,626.9	1,650.4	1,673.9	1,697.3	1,720.8	1,744.3	1,767.8	1,791.2	1,814.7	1,838.2	1,861.7	1,885.2	1,908.6	1,932.1	1,955.6	1,979.1	2,002.5	2,026.0	2,049.5	2,073.0	2,096.4	2,119.9	2,143.4	2,166.9	2,190.3	2,213.8	2,237.3	2,260.8	2,284.3	2,307.7	2,331.2	2,354.7	2,378.2	2,401.6	2,425.1	2,448.6	2,501.5	2,614.8	2,635.4	2,803.8	2,952.7	3,080.3	3,180.9
C6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C10	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C11	86.4	89.6	92.9	96.1	99.4	102.6	105.9	109.1	112.4	115.6	118.9	122.1	125.4	128.6	131.9	135.1	138.4	141.6	144.9	148.1	151.4	154.6	157.9	161.1	164.4	167.6	170.9	174.1	177.4	180.6	183.9	187.1	190.4	193.6	196.9	200.1	203.4	206.6	209.9	213.1	216.4	227.2	235.7	243.0	264.7	284.7	303.2	320.0
C12	2,215.5	2,218.3	2,221.0	2,223.8	2,226.6	2,229.3	2,232.1	2,234.9	2,237.6	2,240.4	2,243.1	2,245.9	2,248.7	2,251.4	2,254.2	2,256.9	2,259.7	2,262.5	2,265.2	2,268.0	2,270.8	2,273.5	2,276.3	2,279.0	2,281.8	2,284.6	2,287.3	2,290.1	2,292.9	2,295.6	2,298.4	2,301.1	2,303.9	2,306.7	2,309.4	2,312.2	2,315.0	2,317.7	2,320.5	2,323.2	2,326.0	2,598.9	2,310.2	2,186.6	2,143.3	2,305.7	2,455.4	2,591.4
C13	35.3	36.6	37.9	39.2	40.6	41.9	43.2	44.6	45.9	47.2	48.5	49.9	51.2	52.5	53.8	55.2	56.5	57.8	59.2	60.5	61.8	63.1	64.5	65.8	67.1	68.5	69.8	71.1	72.4	73.8	75.1	76.4	77.7	79.1	80.4	81.7	83.1	84.4	85.7	87.0	88.4	92.8	96.3	99.3	108.1	116.3	123.8	130.7
C14	48.5	52.4	56.3	60.2	64.1	68.1	72.0	75.9	79.8	83.7	87.7	91.6	95.5	99.4	103.3	107.3	111.2	115.1	119.0	122.9	126.9	130.8	134.7	138.6	142.6	146.5	150.4	154.3	158.2	162.2	166.1	170.0	173.9	177.8	181.8	185.7	189.6	193.5	197.4	201.4	205.3	220.8	228.4	237.4	261.0	285.1	309.3	334.0
C15	98.6	106.6	114.6	122.5	130.5	138.5	146.5	154.5	162.5	170.5	178.5	186.5	194.5	202.4	210.4	218.4	226.4	234.4	242.4	250.4	258.4	266.4	274.4	282.3	290.3	298.3	306.3	314.3	322.3	330.3	338.3	346.3	354.2	362.2	370.2	378.2	386.2	394.2	402.2	410.2	418.2	449.9	465.4	483.6	531.7	580.9	630.3	680.4
C16	125.8	136.0	146.1	156.3	166.5	176.7	186.9	197.1	207.3	217.5	227.7	237.9	248.1	258.3	268.5	278.7	288.9	299.0	309.2	319.4	329.6	339.8	350.0	360.2	370.4	380.6	390.8	401.0	411.2	421.4	431.6	441.7	451.9	462.1	472.3	482.5	492.7	502.9	513.1	523.3	533.5	573.9	593.7	617.0	678.3	741.1	804.1	868.0
C17	933.2	973.9	1,014.5	1,055.1	1,095.7	1,136.4	1,177.0	1,217.6	1,258.3	1,298.9	1,339.5	1,380.1	1,420.8	1,461.4	1,502.0	1,542.6	1,583.3	1,623.9	1,664.5	1,705.1	1,745.8	1,786.4	1,827.0	1,867.6	1,908.3	1,948.9	1,989.5	2,030.1	2,070.8	2,111.4	2,152.0	2,192.7	2,233.3	2,273.9	2,314.5	2,355.2	2,395.8	2,436.4	2,477.0	2,517.7	2,558.3	2,725.1	2,740.4	2,916.2	3,163.9	3,411.7	3,654.5	3,846.4
C18	932.6	973.2	1,013.8	1,054.4	1,094.9	1,135.5	1,176.1	1,216.7	1,257.3	1,297.9	1,338.5	1,379.1	1,419.7	1,460.3	1,500.9	1,541.5	1,582.1	1,622.7	1,663.3	1,703.9	1,744.5	1,785.1	1,825.7	1,866.3	1,906.9	1,947.5	1,988.1	2,028.7	2,069.3	2,109.9	2,150.5	2,191.1	2,231.6	2,272.2	2,312.8	2,353.4	2,394.0	2,434.6	2,475.2	2,515.8	2,556.4	2,723.1	2,738.4	2,914.1	3,161.6	3,409.2	3,651.8	3,843.6
C19	408.7	424.1	439.5	454.9	470.2	485.6	501.0	516.4	531.8	547.2	562.5	577.9	593.3	608.7	624.1	639.5	654.8	670.2	685.6	701.0	716.4	731.8	747.2	762.5	777.9	793.3	808.7	824.1	839.5	854.8	870.2	885.6	901.0	916.4	931.8	947.2	962.5	977.9	993.3	1,008.7	1,024.1	1,075.4	1,115.8	1,150.2	1,252.7	1,347.6	1,435.2	1,514.6
C20	126.7	131.5	136.2	141.0	145.8	150.6	155.3	160.1	164.9	169.6	174.4	179.2	183.9	188.7	193.5	198.2	203.0	207.8	212.6	217.3	222.1	226.9	231.6	236.4	241.2	245.9	250.7	255.5	260.3	265.0	269.8	274.6	279.3	284.1	288.9	293.6	298.4	303.2	307.9	312.7	317.5	333.4	345.9	356.6	388.4	417.8	444.9	469.6
C21	192.0	199.2	206.4	213.7	220.9	228.1	235.3	242.6	249.8	257.0	264.2	271.5	278.7	285.9	293.2	300.4	307.6	314.8	322.1	329.3	336.5	343.7	351.0	358.2	365.4	372.6	379.9	387.1	394.3	401.6	408.8	416.0	423.2	430.5	437.7	444.9	452.1	459.4	466.6	473.8	481.0	505.2	524.1	540.3	588.5	633.0	674.2	711.5
C22	543.0	563.4	583.9	604.3	624.8	645.2	665.7	686.1	706.5	727.0	747.4	767.9	788.3	808.8	829.2	849.6	870.1	890.5	911.0	931.4	951.8	972.3	992.7	1,013.2	1,033.6	1,054.1	1,074.5	1,094.9	1,115.4	1,135.8	1,156.3	1,176.7	1,197.1	1,217.6	1,238.0	1,258.5	1,278.9	1,299.4	1,319.8	1,340.2	1,360.7	1,428.9	1,482.5	1,528.3	1,664.5	1,790.6	1,906.9	2,012.5
C23	564.5	585.7	607.0	628.2	649.5	670.7	691.9	713.2	734.4	755.7	776.9	798.2	819.4	840.7	861.9	883.1	904.4	925.6	946.9	968.1	989.4	1,010.6	1,031.9	1,053.1	1,074.4	1,095.6	1,116.8	1,138.1	1,159.3	1,180.6	1,201.8	1,223.1	1,244.3	1,265.6	1,286.8	1,308.0	1,329.3	1,350.5	1,371.8	1,393.0	1,414.3	1,485.2	1,540.9	1,588.5	1,730.0	1,861.1	1,981.9	2,091.7
C24	616.9	640.1	663.3	686.6	709.8	733.0	756.2	779.4	802.7	825.9	849.1	872.3	895.6	918.8	942.0	965.2	988.5	1,011.7	1,034.9	1,058.1	1,081.3	1,104.6	1,127.8	1,151.0	1,174.2	1,197.5	1,220.7	1,243.9	1,267.1	1,290.3	1,313.6	1,336.8	1,360.0	1,383.2	1,406.5	1,429.7	1,452.9	1,476.1	1,499.4	1,522.6	1,545.8	1,623.3	1,684.2	1,736.2	1,891.0	2,034.2	2,166.3	2,286.3
C25	363.5	377.2	390.8	404.5	418.2	431.9	445.6	459.3	472.9	486.6	500.3	514.0	527.7	541.4	555.0	568.7	582.4	596.1	609.8	623.5	637.1	650.8	664.5	678.2	691.9	705.6	719.2	732.9	746.6	760.3	774.0	787.7	801.4	815.0	828.7	842.4	856.1	869.8	883.5	897.1	910.8	956.5	992.4	1,023.0	1,114.2	1,198.6	1,276.5	1,347.1
C26	19,630.2	19,654.6	19,679.1	19,703.6	19,728.1	19,752.5	19,777.0	19,801.5	19,826.0	19,850.4	19,874.9	19,899.4	19,923.9	19,948.4	19,972.8	19,997.3	20,021.8	20,046.3	20,070.7	20,095.2	20,119.7	20,144.2	20,168.6	20,193.1	20,217.6	20,242.1	20,266.5	20,291.0	20,315.5	20,340.0	20,364.4	20,388.9	20,413.4	20,437.9	20,462.3	20,486.8	20,511.3	20,535.8	20,560.2	20,584.7	20,609.2	23,027.3	20,469.5	19,373.6	18,990.3	20,428.9	21,755.7	22,960.2
C27	78.4	78.5	78.6	78.7	78.8	78.9	79.0	79.1	79.2	79.3	79.4	79.5	79.6	79.7	79.8	79.9	80.0	80.1	80.2	80.3	80.4	80.5	80.6	80.7	80.8	80.9	81.0	81.1	81.2	81.3	81.4	81.5	81.6	81.7	81.8	81.9	82.0	82.1	82.1	82.2	82.3	92.0	81.8	77.4	75.9	81.6	86.9	91.7
C28	241.6	250.7	259.8	268.9	278.0	287.0	296.1	305.2	314.3	323.4	332.5	341.6	350.7	359.8	368.9	378.0	387.1	396.2	405.3	414.4	423.5	432.6	441.7	450.8	459.8	468.9	478.0	487.1	496.2	505.3	514.4	523.5	532.6	541.7	550.8	559.9	569.0	578.1	587.2	596.3	605.4	635.7	659.5	679.9	740.5	796.6	848.4	895.4
C29	1,176.2	1,220.5	1,264.8	1,309.1	1,353.3	1,397.6	1,441.9	1,486.2	1,530.5	1,574.8	1,619.1	1,663.3	1,707.6	1,751.9	1,796.2	1,840.5	1,884.8	1,929.1	1,973.3	2,017.6	2,061.9	2,106.2	2,150.5	2,194.8	2,239.1	2,283.3	2,327.6	2,371.9	2,416.2	2,460.5	2,504.8	2,549.0	2,593.3	2,637.6	2,681.9	2,726.2	2,770.5	2,814.8	2,859.0	2,903.3	2,947.6	3,095.4	3,211.5	3,310.7	3,605.8	3,879.1	4,131.0	4,359.7
C30	281.4	292.0	302.6	313.2	323.8	334.4	345.0	355.6	366.2	376.8	387.4	398.0	408.5	419.1	429.7	440.3	450.9	461.5	472.1	482.7	493.3	503.9	514.5	525.1	535.7	546.3	556.9	567.4	578.0	588.6	599.2	609.8	620.4	631.0	641.6	652.2	662.8	673.4	684.0	694.6	705.2	740.5	768.3	792.0	862.6	928.0	988.2	1,042.9
C31	743.9	771.9	800.0	828.0	856.0	884.0	912.0	940.0	968.0	996.0	1,024.0	1,052.0	1,080.0	1,108.0	1,136.0	1,164.1	1,192.1	1,220.1	1,248.1	1,276.1	1,304.1	1,332.1	1,360.1	1,388.1	1,416.1	1,444.1	1,472.1	1,500.1	1,528.1	1,556.2	1,584.2	1,612.2	1,640.2	1,668.2	1,696.2	1,724.2	1,752.2	1,780.2	1,808.2	1,836.2	1,864.2	1,957.8	2,031.1	2,093.8	2,280.5	2,453.3	2,612.6	2,757.3
C32	978.6	1,015.4	1,052.3	1,089.1	1,125.9	1,162.8	1,199.6	1,236.4	1,273.3	1,310.1	1,346.9	1,383.8	1,420.6	1,457.4	1,494.3	1,531.1	1,567.9	1,604.8	1,641.6	1,678.4	1,715.3	1,752.1	1,789.0	1,825.8	1,862.6	1,899.5	1,936.3	1,973.1	2,010.0	2,046.8	2,083.6	2,120.5	2,157.3	2,194.1	2,231.0	2,267.8	2,304.6	2,341.5	2,378.3	2,415.1	2,452.0	2,574.9	2,671.5	2,754.0	2,999.4	3,226.7	3,436.2	3,626.5
C33	339.9	352.7	365.5	378.3	391.1	403.8	416.6	429.4	442.2	455.0	467.8	480.6	493.4	506.2	519.0	531.8	544.6	557.4	570.2	583.0	595.8	608.5	621.3	634.1	646.9	659.7	672.5	685.3	698.1	710.9	723.7	736.5	749.3	762.1	774.9	787.7	800.5	813.2	826.0	838.8	851.6	894.3	927.9	956.5	1,041.8	1,120.7	1,193.5	1,259.6
C34	953.2	989.0	1,024.9	1,060.8	1,096.7	1,132.5	1,168.4	1,204.3	1,240.2	1,276.0	1,311.9	1,347.8	1,383.7	1,419.5	1,455.4	1,491.3	1,527.2	1,563.1	1,598.9	1,634.8	1,670.7	1,706.6	1,742.4	1,778.3	1,814.2	1,850.1	1,885.9	1,921.8	1,957.7	1,993.6	2,029.4	2,065.3	2,101.2	2,137.1	2,172.9	2,208.8	2,244.7	2,280.6	2,316.4	2,352.3	2,388.2	2,508.0	2,602.0	2,682.3	2,921.4	3,142.8	3,346.8	3,532.1
C35	547.5	568.1	588.7	609.3	629.9	650.5	671.2	691.8	712.4	733.0	753.6	774.2	794.8	815.4	836.1	856.7	877.3	897.9	918.5	939.1	959.7	980.3	1,001.0	1,021.6	1,042.2	1,062.8	1,083.4	1,104.0	1,124.6	1,145.3	1,165.9	1,186.5	1,207.1	1,227.7	1,248.3	1,268.9	1,289.5	1,310.2	1,330.8	1,351.4	1,372.0	1,440.8	1,494.8	1,541.0	1,678.4	1,805.5	1,922.8	2,029.3
C36	466.0	483.6	501.1	518.7	536.2	553.8	571.3	588.9	606.4	624.0	641.5	659.1	676.6	694.2	711.7	729.3	746.8	764.3	781.9	799.4	817.0	834.5	852.1	869.6	887.2	904.7	922.3	939.8	957.4	974.9	992.5	1,010.0	1,027.5	1,045.1	1,062.6	1,080.2	1,097.7	1,115.3	1,132.8	1,150.4	1,167.9	1,226.5	1,272.5	1,311.8	1,428.7	1,537.0	1,636.8	1,727.4
C37	428.6	444.7	460.8	477.0	493.1	509.3	525.4	541.5	557.7	573.8	589.9	606.1	622.2	638.3	654.5	670.6	686.7	702.9	719.0	735.1	751.3	767.4	783.5	799.7	815.8	831.9	848.1	864.2	880.3	896.5	912.6	928.8	944.9	961.0	977.2	993.3	1,009.4	1,025.6	1,041.7	1,057.8	1,074.0	1,127.8	1,170.1	1,206.3	1,313.8	1,413.3	1,505.1	1,588.4
C38	667.7	692.8	718.0	743.1	768.2	793.4	818.5	843.6	868.8	893.9	919.0	944.2	969.3	994.4	1,019.5	1,044.7	1,069.8	1,094.9	1,120.1	1,145.2	1,170.3	1,195.5	1,220.6	1,245.7	1,270.8	1,296.0	1,321.1	1,346.2	1,371.4	1,396.5	1,421.6	1,446.8	1,471.9	1,497.0	1,522.2	1,547.3	1,572.4	1,597.5	1,622.7	1,647.8	1,672.9	1,756.8	1,822.7	1,879.0	2,046.5	2,201.5	2,344.5	2,474.2
C39	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C40	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7
C41	318.1	343.8	369.6	395.4	421.1	446.9	472.6	498.4	524.1	549.9	575.6	601.4	627.2	652.9	678.7	704.4	730.2	755.9	781.7	807.4	833.2	859.0	884.7	910.5	936.2	962.0	987.7	1,013.5	1,039.2	1,065.0	1,090.8	1,116.5	1,142.3	1,168.0	1,193.8	1,219.5	1,245.3	1,271.0	1,296.8	1,322.6	1,348.3	1,450.6	1,500.4	1,559.3	1,714.2	1,872.7	2,032.0	2,193.6
C42	238.9	258.3	277.7	297.0	316.4	335.8	355.1	374.5	393.8	413.2	432.6	451.9	471.3	490.7	510.0	529.4	548.7	568.1	587.5	606.8	626.2	645.6	664.9	684.3	703.6	723.0	742.4	761.7	781.1	800.5	819.8	839.2	858.6	877.9	897.3	916.6	936.0	955.4	974.7	994.1	1,013.5	1,090.4	1,127.8	1,172.0	1,288.5	1,407.7	1,527.5	1,648.9
C43	388.9	420.4	451.9	483.5	515.0	546.5	578.0	609.5	641.0	672.6	704.1	735.6	767.1	798.6	830.2	861.7	893.2	924.7	956.2	987.7	1,019.3	1,050.8	1,082.3	1,113.8	1,145.3	1,176.9	1,208.4	1,239.9	1,271.4	1,302.9	1,334.4	1,366.0	1,397.5	1,429.0	1,460.5	1,492.0	1,523.6	1,555.1	1,586.6	1,618.1	1,649.6	1,774.8	1,835.8	1,907.7	2,097.4	2,291.4	2,486.4	2,684.0
C44	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C45	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C46	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C47	1,259.7	1,295.4	1,331.0	1,366.7	1,402.3	1,438.0	1,473.6	1,509.3	1,544.9	1,580.6	1,616.2	1,651.9	1,687.5	1,723.2	1,758.9	1,794.5	1,830.2	1,865.8	1,901.5	1,937.1	1,972.8	2,008.4	2,044.1	2,079.7	2,115.4	2,151.0	2,186.7	2,222.4	2,258.0	2,293.7	2,329.3	2,365.0	2,400.6	2,436.3	2,471.9	2,507.6	2,543.2	2,578.9	2,614.6	2,650.2	2,685.9	2,794.7	2,908.2	2,976.7	3,217.1	3,440.6	3,642.6	3,814.3
C48	1,978.4	2,009.1	2,039.9	2,070.7	2,101.4	2,132.2	2,163.0	2,193.7	2,224.5	2,255.3	2,286.0	2,316.8	2,347.6	2,378.3	2,409.1	2,439.9	2,470.7	2,501.4	2,532.2	2,563.0	2,593.7	2,624.5	2,655.3	2,686.0	2,716.8	2,747.6	2,778.3	2,809.1	2,839.9	2,870.6	2,901.4	2,932.2	2,962.9	2,993.7	3,024.5	3,055.2	3,086.0	3,116.8	3,147.5	3,178.3	3,209.1	3,278.4	3,426.9	3,454.0	3,674.7	3,869.8	4,037.0	4,168.9
C49	2,110.2	2,192.9	2,275.7	2,358.4	2,441.1	2,523.9	2,606.6	2,689.3	2,772.1	2,854.8	2,937.5	3,020.3	3,103.0	3,185.8	3,268.5	3,351.2	3,434.0	3,516.7	3,599.4	3,682.2	3,764.9	3,847.6	3,930.4	4,013.1	4,095.8	4,178.6	4,261.3	4,344.0	4,426.8	4,509.5	4,592.2	4,675.0	4,757.7	4,840.4	4,923.2	5,005.9	5,088.6	5,171.4	5,254.1	5,336.8	5,419.6	5,663.0	5,941.7	6,115.3	6,646.9	7,155.0	7,628.5	8,052.8
C50	573.3	595.8	618.3	640.7	663.2	685.7	708.2	730.7	753.1	775.6	798.1	820.6	843.1	865.5	888.0	910.5	933.0	955.4	977.9	1,000.4	1,022.9	1,045.4	1,067.8	1,090.3	1,112.8	1,135.3	1,157.8	1,180.2	1,202.7	1,225.2	1,247.7	1,270.2	1,292.6	1,315.1	1,337.6	1,360.1	1,382.6	1,405.0	1,427.5	1,450.0	1,472.5	1,538.6	1,614.4	1,661.5	1,806.0	1,944.0	2,072.7	2,187.9
C51	91.8	95.4	99.0	102.6	106.2	109.8	113.4	117.0	120.6	124.2	127.8	131.4	135.0	138.6	142.2	145.7	149.3	152.9	156.5	160.1	163.7	167.3	170.9	174.5	178.1	181.7	185.3	188.9	192.5	196.1	199.7	203.3	206.9	210.5	214.1	217.7	221.3	224.9	228.5	232.1	235.7	246.3	258.4	266.0	289.1	311.2	331.8	350.2
C52	360.8	374.9	389.1	403.2	417.4	431.5	445.6	459.8	473.9	488.1	502.2	516.4	530.5	544.7	558.8	573.0	587.1	601.3	615.4	629.5	643.7	657.8	672.0	686.1	700.3	714.4	728.6	742.7	756.9	771.0	785.2	799.3	813.4	827.6	841.7	855.9	870.0	884.2	898.3	912.5	926.6	968.2	1,015.9	1,045.6	1,136.5	1,223.3	1,304.3	1,376.8
C53	656.7	682.4	708.2	733.9	759.7	785.4	811.2	836.9	862.7	888.4	914.2	939.9	965.7	991.4	1,017.2	1,042.9	1,068.7	1,094.4	1,120.2	1,145.9	1,171.7	1,197.4	1,223.2	1,248.9	1,274.7	1,300.4	1,326.2	1,351.9	1,377.7	1,403.4	1,429.2	1,454.9	1,480.7	1,506.4	1,532.2	1,557.9	1,583.6	1,609.4	1,635.1	1,660.9	1,686.6	1,762.4	1,849.2	1,903.2	2,068.7	2,226.8	2,374.2	2,506.2
C54	259.5	269.6	279.8	290.0	300.1	310.3	320.5	330.6	340.8	351.0	361.2	371.3	381.5	391.7	401.8	412.0	422.2	432.3	442.5	452.7	462.9	473.0	483.2	493.4	503.5	513.7	523.9	534.1	544.2	554.4	564.6	574.7	584.9	595.1	605.2	615.4	625.6	635.8	645.9	656.1	666.3	696.2	730.5	751.8	817.2	879.6	937.8	990.0
C55	114.4	118.9	123.4	127.9	132.3	136.8	141.3	145.8	150.3	154.8	159.3	163.7	168.2	172.7	177.2	181.7	186.2	190.6	195.1	199.6	204.1	208.6	213.1	217.6	222.0	226.5	231.0	235.5	240.0	244.5	248.9	253.4	257.9	262.4	266.9	271.4	275.9	280.3	284.8	289.3	293.8	307.0	322.1	331.5	360.3	387.9	413.5	436.5
C56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C57	147.9	153.7	159.5	165.3	171.1	176.9	182.7	188.5	194.3	200.1	205.9	211.7	217.5	223.3	229.1	234.9	240.7	246.5	252.3	258.1	263.9	269.7	275.5	281.3	287.1	292.9	298.8	304.6	310.4	316.2	322.0	327.8	333.6	339.4	345.2	351.0	356.8	362.6	368.4	374.2	380.0	397.0	416.6	428.7	466.0	501.6	534.8	564.6
C58	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C59	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C60	477.4	496.1	514.9	533.6	552.3	571.0	589.8	608.5	627.2	645.9	664.6	683.4	702.1	720.8	739.5	758.2	777.0	795.7	814.4	833.1	851.8	870.6	889.3	908.0	926.7	945.4	964.2	982.9	1,001.6	1,020.3	1,039.1	1,057.8	1,076.5	1,095.2	1,113.9	1,132.7	1,151.4	1,170.1	1,188.8	1,207.5	1,226.3	1,281.3	1,344.4	1,383.7	1,504.0	1,618.9	1,726.1	1,822.1
C61	5,078.6	5,222.3	5,365.9	5,509.6	5,653.2	5,796.9	5,940.5	6,084.1	6,227.8	6,371.4	6,515.1	6,658.7	6,802.4	6,946.0	7,089.7	7,233.3	7,376.9	7,520.6	7,664.2	7,807.9	7,951.5	8,095.2	8,238.8	8,382.5	8,526.1	8,669.7	8,813.4	8,957.0	9,100.7	9,244.3	9,388.0	9,531.6	9,675.2	9,818.9	9,962.5	10,106.2	10,249.8	10,393.5	10,537.1	10,680.8	10,824.4	11,221.8	11,759.1	12,015.7	12,966.2	13,855.6	14,667.2	15,373.2
C62	3,756.0	3,936.2	4,116.4	4,296.5	4,476.7	4,656.8	4,837.0	5,017.1	5,197.3	5,377.5	5,557.6	5,737.8	5,917.9	6,098.1	6,278.3	6,458.4	6,638.6	6,818.7	6,998.9	7,179.1	7,359.2	7,539.4	7,719.5	7,899.7	8,079.9	8,260.0	8,440.2	8,620.3	8,800.5	8,980.6	9,160.8	9,341.0	9,521.1	9,701.3	9,881.4	10,061.6	10,241.8	10,421.9	10,602.1	10,782.2	10,962.4	10,018.7	12,860.0	13,305.7	14,160.7	14,917.8	15,568.5	16,083.1
C63	4,097.4	4,294.7	4,491.9	4,689.2	4,886.4	5,083.7	5,280.9	5,478.2	5,675.4	5,872.7	6,070.0	6,267.2	6,464.5	6,661.7	6,859.0	7,056.2	7,253.5	7,450.7	7,648.0	7,845.2	8,042.5	8,239.7	8,437.0	8,634.2	8,831.5	9,028.8	9,226.0	9,423.3	9,620.5	9,817.8	10,015.0	10,212.3	10,409.5	10,606.8	10,804.0	11,001.3	11,198.5	11,395.8	11,593.0	11,790.3	11,987.5	10,928.0	14,078.8	14,568.0	15,498.7	16,321.4	17,027.0	17,583.2
C64	2,505.0	2,625.6	2,746.2	2,866.8	2,987.4	3,108.0	3,228.5	3,349.1	3,469.7	3,590.3	3,710.9	3,831.5	3,952.1	4,072.7	4,193.3	4,313.9	4,434.5	4,555.1	4,675.7	4,796.2	4,916.8	5,037.4	5,158.0	5,278.6	5,399.2	5,519.8	5,640.4	5,761.0	5,881.6	6,002.2	6,122.8	6,243.4	6,363.9	6,484.5	6,605.1	6,725.7	6,846.3	6,966.9	7,087.5	7,208.1	7,328.7	6,680.9	8,607.2	8,906.3	9,475.3	9,978.2	10,409.6	10,749.6
C65	878.9	921.2	963.5	1,005.8	1,048.1	1,090.4	1,132.7	1,175.1	1,217.4	1,259.7	1,302.0	1,344.3	1,386.6	1,428.9	1,471.2	1,513.5	1,555.8	1,598.2	1,640.5	1,682.8	1,725.1	1,767.4	1,809.7	1,852.0	1,894.3	1,936.6	1,978.9	2,021.3	2,063.6	2,105.9	2,148.2	2,190.5	2,232.8	2,275.1	2,317.4	2,359.7	2,402.1	2,444.4	2,486.7	2,529.0	2,571.3	2,344.0	3,019.9	3,124.8	3,324.4	3,500.9	3,652.2	3,771.5
C66	4,106.1	4,239.8	4,373.5	4,507.2	4,640.9	4,774.5	4,908.2	5,041.9	5,175.6	5,309.3	5,443.0	5,576.7	5,710.3	5,844.0	5,977.7	6,111.4	6,245.1	6,378.8	6,512.5	6,646.1	6,779.8	6,913.5	7,047.2	7,180.9	7,314.6	7,448.2	7,581.9	7,715.6	7,849.3	7,983.0	8,116.7	8,250.4	8,384.0	8,517.7	8,651.4	8,785.1	8,918.8	9,052.5	9,186.2	9,319.8	9,453.5	8,968.1	10,763.4	11,046.0	11,751.7	12,375.5	12,910.5	13,332.2
C67	1,270.4	1,331.5	1,392.7	1,453.8	1,515.0	1,576.1	1,637.3	1,698.4	1,759.6	1,820.8	1,881.9	1,943.1	2,004.2	2,065.4	2,126.5	2,187.7	2,248.8	2,310.0	2,371.2	2,432.3	2,493.5	2,554.6	2,615.8	2,676.9	2,738.1	2,799.2	2,860.4	2,921.6	2,982.7	3,043.9	3,105.0	3,166.2	3,227.3	3,288.5	3,349.7	3,410.8	3,472.0	3,533.1	3,594.3	3,655.4	3,716.6	3,388.1	4,365.0	4,516.6	4,805.2	5,060.2	5,279.0	5,451.4
C68	29.4	29.9	30.3	30.8	31.2	31.7	32.2	32.6	33.1	33.5	34.0	34.4	34.9	35.4	35.8	36.3	36.7	37.2	37.6	38.1	38.6	39.0	39.5	39.9	40.4	40.8	41.3	41.8	42.2	42.7	43.1	43.6	44.0	44.5	45.0	45.4	45.9	46.3	46.8	47.3	47.7	48.7	50.9	51.3	54.6	57.5	60.0	62.0
C69	100.6	104.5	108.5	112.4	116.3	120.3	124.2	128.2	132.1	136.1	140.0	143.9	147.9	151.8	155.8	159.7	163.7	167.6	171.5	175.5	179.4	183.4	187.3	191.3	195.2	199.2	203.1	207.0	211.0	214.9	218.9	222.8	226.8	230.7	234.6	238.6	242.5	246.5	250.4	254.4	258.3	269.9	283.2	291.5	316.8	341.0	363.6	383.8
C70	620.9	645.3	669.6	693.9	718.3	742.6	767.0	791.3	815.7	840.0	864.4	888.7	913.1	937.4	961.8	986.1	1,010.5	1,034.8	1,059.1	1,083.5	1,107.8	1,132.2	1,156.5	1,180.9	1,205.2	1,229.6	1,253.9	1,278.3	1,302.6	1,327.0	1,351.3	1,375.6	1,400.0	1,424.3	1,448.7	1,473.0	1,497.4	1,521.7	1,546.1	1,570.4	1,594.8	1,666.4	1,748.4	1,799.5	1,956.0	2,105.5	2,244.8	2,369.7
C71	1,967.2	1,997.7	2,028.3	2,058.9	2,089.5	2,120.1	2,150.7	2,181.3	2,211.9	2,242.4	2,273.0	2,303.6	2,334.2	2,364.8	2,395.4	2,426.0	2,456.6	2,487.1	2,517.7	2,548.3	2,578.9	2,609.5	2,640.1	2,670.7	2,701.3	2,731.8	2,762.4	2,793.0	2,823.6	2,854.2	2,884.8	2,915.4	2,946.0	2,976.5	3,007.1	3,037.7	3,068.3	3,098.9	3,129.5	3,160.1	3,190.7	3,259.5	3,407.3	3,434.1	3,653.5	3,847.4	4,013.8	4,144.8
C72	833.2	846.2	859.1	872.1	885.1	898.0	911.0	923.9	936.9	949.8	962.8	975.7	988.7	1,001.7	1,014.6	1,027.6	1,040.5	1,053.5	1,066.4	1,079.4	1,092.4	1,105.3	1,118.3	1,131.2	1,144.2	1,157.1	1,170.1	1,183.0	1,196.0	1,209.0	1,221.9	1,234.9	1,247.8	1,260.8	1,273.7	1,286.7	1,299.6	1,312.6	1,325.6	1,338.5	1,351.5	1,380.6	1,443.2	1,454.6	1,547.5	1,629.7	1,700.1	1,755.6
C73	5,845.0	5,935.9	6,026.8	6,117.7	6,208.6	6,299.5	6,390.4	6,481.3	6,572.2	6,663.0	6,753.9	6,844.8	6,935.7	7,026.6	7,117.5	7,208.4	7,299.3	7,390.2	7,481.1	7,572.0	7,662.8	7,753.7	7,844.6	7,935.5	8,026.4	8,117.3	8,208.2	8,299.1	8,390.0	8,480.9	8,571.8	8,662.7	8,753.5	8,844.4	8,935.3	9,026.2	9,117.1	9,208.0	9,298.9	9,389.8	9,480.7	9,685.3	10,124.3	10,204.1	10,856.0	11,432.3	11,926.5	12,316.1
C74	1,484.3	1,507.4	1,530.5	1,553.6	1,576.7	1,599.7	1,622.8	1,645.9	1,669.0	1,692.1	1,715.1	1,738.2	1,761.3	1,784.4	1,807.5	1,830.5	1,853.6	1,876.7	1,899.8	1,922.9	1,945.9	1,969.0	1,992.1	2,015.2	2,038.3	2,061.3	2,084.4	2,107.5	2,130.6	2,153.7	2,176.7	2,199.8	2,222.9	2,246.0	2,269.1	2,292.1	2,315.2	2,338.3	2,361.4	2,384.5	2,407.5	2,459.5	2,571.0	2,591.2	2,756.8	2,903.1	3,028.6	3,127.6
C75	1,111.7	1,131.1	1,150.4	1,169.8	1,189.2	1,208.6	1,228.0	1,247.3	1,266.7	1,286.1	1,305.5	1,324.9	1,344.3	1,363.6	1,383.0	1,402.4	1,421.8	1,441.2	1,460.6	1,479.9	1,499.3	1,518.7	1,538.1	1,557.5	1,576.9	1,596.2	1,615.6	1,635.0	1,654.4	1,673.8	1,693.2	1,712.5	1,731.9	1,751.3	1,770.7	1,790.1	1,809.4	1,828.8	1,848.2	1,867.6	1,887.0	1,934.3	2,020.3	2,042.2	2,179.2	2,301.7	2,408.2	2,493.7
C76	1,004.3	1,020.0	1,035.6	1,051.2	1,066.8	1,082.4	1,098.1	1,113.7	1,129.3	1,144.9	1,160.5	1,176.2	1,191.8	1,207.4	1,223.0	1,238.6	1,254.2	1,269.9	1,285.5	1,301.1	1,316.7	1,332.3	1,348.0	1,363.6	1,379.2	1,394.8	1,410.4	1,426.1	1,441.7	1,457.3	1,472.9	1,488.5	1,504.2	1,519.8	1,535.4	1,551.0	1,566.6	1,582.3	1,597.9	1,613.5	1,629.1	1,664.3	1,739.7	1,753.4	1,865.5	1,964.5	2,049.4	2,116.3
C77	1,051.5	1,081.3	1,111.1	1,140.8	1,170.6	1,200.4	1,230.1	1,259.9	1,289.7	1,319.4	1,349.2	1,379.0	1,408.7	1,438.5	1,468.2	1,498.0	1,527.8	1,557.5	1,587.3	1,617.1	1,646.8	1,676.6	1,706.4	1,736.1	1,765.9	1,795.7	1,825.4	1,855.2	1,884.9	1,914.7	1,944.5	1,974.2	2,004.0	2,033.8	2,063.5	2,093.3	2,123.1	2,152.8	2,182.6	2,212.4	2,242.1	2,333.0	2,427.8	2,484.9	2,685.5	2,872.2	3,040.9	3,184.2
C78	57.5	59.1	60.7	62.4	64.0	65.6	67.2	68.9	70.5	72.1	73.8	75.4	77.0	78.6	80.3	81.9	83.5	85.1	86.8	88.4	90.0	91.7	93.3	94.9	96.5	98.2	99.8	101.4	103.0	104.7	106.3	107.9	109.5	111.2	112.8	114.4	116.1	117.7	119.3	120.9	122.6	127.5	132.7	135.8	146.8	157.0	166.2	174.1
C79	2,175.5	2,210.6	2,245.6	2,280.7	2,315.8	2,350.9	2,386.0	2,421.0	2,456.1	2,491.2	2,526.3	2,561.3	2,596.4	2,631.5	2,666.6	2,701.7	2,736.7	2,771.8	2,806.9	2,842.0	2,877.1	2,912.1	2,947.2	2,982.3	3,017.4	3,052.4	3,087.5	3,122.6	3,157.7	3,192.8	3,227.8	3,262.9	3,298.0	3,333.1	3,368.1	3,403.2	3,438.3	3,473.4	3,508.5	3,543.5	3,578.6	3,659.8	3,824.7	3,858.4	4,108.8	4,331.0	4,522.4	4,674.1
C80	1,162.9	1,181.0	1,199.1	1,217.2	1,235.3	1,253.4	1,271.4	1,289.5	1,307.6	1,325.7	1,343.8	1,361.9	1,379.9	1,398.0	1,416.1	1,434.2	1,452.3	1,470.4	1,488.4	1,506.5	1,524.6	1,542.7	1,560.8	1,578.9	1,597.0	1,615.0	1,633.1	1,651.2	1,669.3	1,687.4	1,705.5	1,723.5	1,741.6	1,759.7	1,777.8	1,795.9	1,814.0	1,832.0	1,850.1	1,868.2	1,886.3	1,927.0	2,014.4	2,030.2	2,159.9	2,274.6	2,373.0	2,450.4
C81	9,442.0	9,588.8	9,735.7	9,882.5	10,029.3	10,176.1	10,323.0	10,469.8	10,616.6	10,763.4	10,910.3	11,057.1	11,203.9	11,350.7	11,497.6	11,644.4	11,791.2	11,938.0	12,084.9	12,231.7	12,378.5	12,525.3	12,672.2	12,819.0	12,965.8	13,112.6	13,259.5	13,406.3	13,553.1	13,699.9	13,846.8	13,993.6	14,140.4	14,287.2	14,434.1	14,580.9	14,727.7	14,874.5	15,021.4	15,168.2	15,315.0	15,645.6	16,354.8	16,483.5	17,536.7	18,467.6	19,266.0	19,895.3
C82	379.7	390.5	401.2	412.0	422.7	433.5	444.2	455.0	465.7	476.5	487.2	498.0	508.7	519.5	530.2	541.0	551.7	562.5	573.2	583.9	594.7	605.4	616.2	626.9	637.7	648.4	659.2	669.9	680.7	691.4	702.2	712.9	723.7	734.4	745.2	755.9	766.6	777.4	788.1	798.9	809.6	842.5	876.7	897.3	969.8	1,037.1	1,098.0	1,149.8
C83	2,599.9	2,640.3	2,680.7	2,721.1	2,761.6	2,802.0	2,842.4	2,882.9	2,923.3	2,963.7	3,004.1	3,044.6	3,085.0	3,125.4	3,165.9	3,206.3	3,246.7	3,287.1	3,327.6	3,368.0	3,408.4	3,448.9	3,489.3	3,529.7	3,570.1	3,610.6	3,651.0	3,691.4	3,731.9	3,772.3	3,812.7	3,853.1	3,893.6	3,934.0	3,974.4	4,014.8	4,055.3	4,095.7	4,136.1	4,176.6	4,217.0	4,308.0	4,503.3	4,538.7	4,828.7	5,085.0	5,304.9	5,478.2
C84	13,438.7	13,647.7	13,856.7	14,065.7	14,274.6	14,483.6	14,692.6	14,901.6	15,110.5	15,319.5	15,528.5	15,737.4	15,946.4	16,155.4	16,364.4	16,573.3	16,782.3	16,991.3	17,200.3	17,409.2	17,618.2	17,827.2	18,036.2	18,245.1	18,454.1	18,663.1	18,872.1	19,081.0	19,290.0	19,499.0	19,708.0	19,916.9	20,125.9	20,334.9	20,543.9	20,752.8	20,961.8	21,170.8	21,379.8	21,588.7	21,797.7	22,268.2	23,277.6	23,460.9	24,959.8	26,284.8	27,421.1	28,316.8
C85	1,773.2	1,821.7	1,870.1	1,918.5	1,966.9	2,015.4	2,063.8	2,112.2	2,160.7	2,209.1	2,257.5	2,305.9	2,354.4	2,402.8	2,451.2	2,499.7	2,548.1	2,596.5	2,644.9	2,693.4	2,741.8	2,790.2	2,838.7	2,887.1	2,935.5	2,983.9	3,032.4	3,080.8	3,129.2	3,177.7	3,226.1	3,274.5	3,322.9	3,371.4	3,419.8	3,468.2	3,516.7	3,565.1	3,613.5	3,661.9	3,710.4	3,856.5	4,014.2	4,105.0	4,432.4	4,736.2	5,010.1	5,242.2
C86	1,101.3	1,132.5	1,163.7	1,194.8	1,226.0	1,257.2	1,288.3	1,319.5	1,350.7	1,381.9	1,413.0	1,444.2	1,475.4	1,506.5	1,537.7	1,568.9	1,600.0	1,631.2	1,662.4	1,693.6	1,724.7	1,755.9	1,787.1	1,818.2	1,849.4	1,880.6	1,911.7	1,942.9	1,974.1	2,005.3	2,036.4	2,067.6	2,098.8	2,129.9	2,161.1	2,192.3	2,223.4	2,254.6	2,285.8	2,317.0	2,348.1	2,443.3	2,542.5	2,602.4	2,812.5	3,007.9	3,184.5	3,334.7
C87	789.9	812.2	834.6	856.9	879.3	901.6	924.0	946.3	968.7	991.1	1,013.4	1,035.8	1,058.1	1,080.5	1,102.8	1,125.2	1,147.5	1,169.9	1,192.2	1,214.6	1,236.9	1,259.3	1,281.7	1,304.0	1,326.4	1,348.7	1,371.1	1,393.4	1,415.8	1,438.1	1,460.5	1,482.8	1,505.2	1,527.6	1,549.9	1,572.3	1,594.6	1,617.0	1,639.3	1,661.7	1,684.0	1,752.3	1,823.4	1,866.4	2,017.1	2,157.2	2,283.9	2,391.6
C88	695.2	714.9	734.6	754.3	774.0	793.6	813.3	833.0	852.7	872.3	892.0	911.7	931.4	951.0	970.7	990.4	1,010.1	1,029.7	1,049.4	1,069.1	1,088.8	1,108.4	1,128.1	1,147.8	1,167.5	1,187.2	1,206.8	1,226.5	1,246.2	1,265.9	1,285.5	1,305.2	1,324.9	1,344.6	1,364.2	1,383.9	1,403.6	1,423.3	1,442.9	1,462.6	1,482.3	1,542.4	1,605.0	1,642.8	1,775.4	1,898.8	2,010.3	2,105.1
C89	202.1	207.8	213.5	219.2	224.9	230.7	236.4	242.1	247.8	253.5	259.3	265.0	270.7	276.4	282.1	287.9	293.6	299.3	305.0	310.7	316.4	322.2	327.9	333.6	339.3	345.0	350.8	356.5	362.2	367.9	373.6	379.4	385.1	390.8	396.5	402.2	407.9	413.7	419.4	425.1	430.8	448.3	466.5	477.5	516.0	551.9	584.3	611.8
C90	374.7	385.3	395.9	406.5	417.1	427.7	438.3	448.9	459.5	470.1	480.7	491.4	502.0	512.6	523.2	533.8	544.4	555.0	565.6	576.2	586.8	597.4	608.0	618.6	629.2	639.8	650.4	661.0	671.6	682.2	692.8	703.4	714.1	724.7	735.3	745.9	756.5	767.1	777.7	788.3	798.9	831.3	865.0	885.4	956.9	1,023.4	1,083.5	1,134.5
C91	1,737.4	1,764.5	1,791.5	1,818.5	1,845.5	1,872.5	1,899.5	1,926.5	1,953.6	1,980.6	2,007.6	2,034.6	2,061.6	2,088.6	2,115.6	2,142.7	2,169.7	2,196.7	2,223.7	2,250.7	2,277.7	2,304.7	2,331.8	2,358.8	2,385.8	2,412.8	2,439.8	2,466.8	2,493.8	2,520.9	2,547.9	2,574.9	2,601.9	2,628.9	2,655.9	2,682.9	2,710.0	2,737.0	2,764.0	2,791.0	2,818.0	2,878.8	3,009.3	3,033.0	3,226.8	3,398.1	3,545.0	3,660.7
C92	317.2	322.1	327.0	332.0	336.9	341.8	346.8	351.7	356.6	361.6	366.5	371.4	376.4	381.3	386.2	391.1	396.1	401.0	405.9	410.9	415.8	420.7	425.7	430.6	435.5	440.5	445.4	450.3	455.3	460.2	465.1	470.1	475.0	479.9	484.9	489.8	494.7	499.6	504.6	509.5	514.4	525.5	549.4	553.7	589.1	620.3	647.2	668.3
C93	1,519.9	1,563.0	1,606.0	1,649.0	1,692.0	1,735.0	1,778.1	1,821.1	1,864.1	1,907.1	1,950.1	1,993.2	2,036.2	2,079.2	2,122.2	2,165.3	2,208.3	2,251.3	2,294.3	2,337.3	2,380.4	2,423.4	2,466.4	2,509.4	2,552.5	2,595.5	2,638.5	2,681.5	2,724.5	2,767.6	2,810.6	2,853.6	2,896.6	2,939.6	2,982.7	3,025.7	3,068.7	3,111.7	3,154.8	3,197.8	3,240.8	3,372.2	3,509.1	3,591.7	3,881.7	4,151.5	4,395.3	4,602.5
C94	555.9	571.6	587.4	603.1	618.8	634.6	650.3	666.0	681.8	697.5	713.2	729.0	744.7	760.5	776.2	791.9	807.7	823.4	839.1	854.9	870.6	886.3	902.1	917.8	933.5	949.3	965.0	980.7	996.5	1,012.2	1,027.9	1,043.7	1,059.4	1,075.1	1,090.9	1,106.6	1,122.3	1,138.1	1,153.8	1,169.6	1,185.3	1,233.3	1,283.4	1,313.6	1,419.7	1,518.4	1,607.5	1,683.3
C95	1,157.6	1,190.3	1,223.1	1,255.9	1,288.6	1,321.4	1,354.2	1,386.9	1,419.7	1,452.5	1,485.2	1,518.0	1,550.7	1,583.5	1,616.3	1,649.0	1,681.8	1,714.6	1,747.3	1,780.1	1,812.9	1,845.6	1,878.4	1,911.2	1,943.9	1,976.7	2,009.4	2,042.2	2,075.0	2,107.7	2,140.5	2,173.3	2,206.0	2,238.8	2,271.6	2,304.3	2,337.1	2,369.9	2,402.6	2,435.4	2,468.1	2,568.2	2,672.5	2,735.4	2,956.3	3,161.7	3,347.3	3,505.2
C96	1,316.8	1,354.1	1,391.3	1,428.6	1,465.9	1,503.1	1,540.4	1,577.7	1,614.9	1,652.2	1,689.5	1,726.7	1,764.0	1,801.3	1,838.5	1,875.8	1,913.1	1,950.3	1,987.6	2,024.9	2,062.1	2,099.4	2,136.7	2,173.9	2,211.2	2,248.5	2,285.7	2,323.0	2,360.3	2,397.5	2,434.8	2,472.1	2,509.3	2,546.6	2,583.9	2,621.1	2,658.4	2,695.7	2,732.9	2,770.2	2,807.5	2,921.3	3,039.9	3,111.4	3,362.7	3,596.4	3,807.5	3,987.0
C97	1,486.2	1,528.3	1,570.3	1,612.4	1,654.5	1,696.5	1,738.6	1,780.7	1,822.7	1,864.8	1,906.8	1,948.9	1,991.0	2,033.0	2,075.1	2,117.1	2,159.2	2,201.3	2,243.3	2,285.4	2,327.5	2,369.5	2,411.6	2,453.6	2,495.7	2,537.8	2,579.8	2,621.9	2,663.9	2,706.0	2,748.1	2,790.1	2,832.2	2,874.3	2,916.3	2,958.4	3,000.4	3,042.5	3,084.6	3,126.6	3,168.7	3,297.1	3,431.0	3,511.8	3,795.4	4,059.0	4,297.4	4,500.0
C98	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C99	909.3	935.0	960.7	986.5	1,012.2	1,037.9	1,063.6	1,089.4	1,115.1	1,140.8	1,166.5	1,192.3	1,218.0	1,243.7	1,269.5	1,295.2	1,320.9	1,346.6	1,372.4	1,398.1	1,423.8	1,449.5	1,475.3	1,501.0	1,526.7	1,552.4	1,578.2	1,603.9	1,629.6	1,655.3	1,681.1	1,706.8	1,732.5	1,758.3	1,784.0	1,809.7	1,835.4	1,861.2	1,886.9	1,912.6	1,938.3	2,016.9	2,098.8	2,148.2	2,321.6	2,482.9	2,628.7	2,752.6
C100	1,007.1	1,049.0	1,091.0	1,132.9	1,174.8	1,216.7	1,258.6	1,300.6	1,342.5	1,384.4	1,426.3	1,468.2	1,510.2	1,552.1	1,594.0	1,635.9	1,677.8	1,719.7	1,761.7	1,803.6	1,845.5	1,887.4	1,929.3	1,971.3	2,013.2	2,055.1	2,097.0	2,138.9	2,180.9	2,222.8	2,264.7	2,306.6	2,348.5	2,390.5	2,432.4	2,474.3	2,516.2	2,558.1	2,600.0	2,642.0	2,683.9	2,815.7	2,947.0	3,033.0	3,299.4	3,557.8	3,802.1	4,027.0
C101	144.9	149.0	153.1	157.2	161.3	165.4	169.5	173.6	177.7	181.8	185.9	190.0	194.1	198.2	202.3	206.4	210.5	214.6	218.7	222.8	226.9	231.0	235.1	239.2	243.3	247.4	251.5	255.6	259.7	263.8	267.9	272.0	276.1	280.2	284.3	288.4	292.5	296.6	300.7	304.8	308.9	321.4	334.5	342.3	370.0	395.7	418.9	438.7
C102	420.4	432.3	444.2	456.1	468.0	479.9	491.8	503.7	515.5	527.4	539.3	551.2	563.1	575.0	586.9	598.8	610.7	622.6	634.5	646.4	658.3	670.2	682.1	694.0	705.9	717.8	729.7	741.6	753.5	765.4	777.3	789.2	801.1	813.0	824.9	836.8	848.7	860.5	872.4	884.3	896.2	932.6	970.4	993.3	1,073.5	1,148.1	1,215.5	1,272.8
C103	71.8	73.9	75.9	77.9	80.0	82.0	84.0	86.0	88.1	90.1	92.1	94.2	96.2	98.2	100.3	102.3	104.3	106.4	108.4	110.4	112.5	114.5	116.5	118.6	120.6	122.6	124.7	126.7	128.7	130.8	132.8	134.8	136.9	138.9	140.9	143.0	145.0	147.0	149.1	151.1	153.1	159.3	165.8	169.7	183.4	196.2	207.7	217.5
C104	1,424.3	1,736.7	2,049.2	2,361.6	2,674.1	2,986.5	3,299.0	3,611.4	3,923.9	4,236.3	4,548.8	4,861.2	5,173.7	5,486.1	5,798.6	6,111.0	6,423.5	6,735.9	7,048.3	7,360.8	7,673.2	7,985.7	8,298.1	8,610.6	8,923.0	9,235.5	9,547.9	9,860.4	10,172.8	10,485.3	10,797.7	11,110.2	11,422.6	11,735.1	12,047.5	12,360.0	12,672.4	12,984.9	13,297.3	13,609.8	13,922.2	15,582.5	14,593.3	15,933.0	19,679.5	21,046.4	22,282.2	23,333.0
C105	1,894.3	1,948.0	2,001.6	2,055.2	2,108.8	2,162.4	2,216.0	2,269.6	2,323.2	2,376.9	2,430.5	2,484.1	2,537.7	2,591.3	2,644.9	2,698.5	2,752.1	2,805.8	2,859.4	2,913.0	2,966.6	3,020.2	3,073.8	3,127.4	3,181.0	3,234.6	3,288.3	3,341.9	3,395.5	3,449.1	3,502.7	3,556.3	3,609.9	3,663.5	3,717.2	3,770.8	3,824.4	3,878.0	3,931.6	3,985.2	4,038.8	4,202.5	4,373.2	4,476.1	4,837.6	5,173.7	5,477.5	5,735.7
C106	107.8	110.9	113.9	117.0	120.0	123.1	126.1	129.2	132.2	135.3	138.3	141.4	144.4	147.5	150.6	153.6	156.7	159.7	162.8	165.8	168.9	171.9	175.0	178.0	181.1	184.1	187.2	190.2	193.3	196.3	199.4	202.4	205.5	208.5	211.6	214.6	217.7	220.7	223.8	226.8	229.9	239.2	248.9	254.8	275.4	294.5	311.8	326.5
C107	784.8	807.0	829.2	851.4	873.6	895.8	918.0	940.2	962.4	984.7	1,006.9	1,029.1	1,051.3	1,073.5	1,095.7	1,117.9	1,140.1	1,162.3	1,184.5	1,206.8	1,229.0	1,251.2	1,273.4	1,295.6	1,317.8	1,340.0	1,362.2	1,384.4	1,406.6	1,428.9	1,451.1	1,473.3	1,495.5	1,517.7	1,539.9	1,562.1	1,584.3	1,606.5	1,628.7	1,651.0	1,673.2	1,741.0	1,811.7	1,854.3	2,004.1	2,143.3	2,269.2	2,376.1
C108	391.0	402.0	413.1	424.2	435.2	446.3	457.4	468.4	479.5	490.6	501.6	512.7	523.8	534.8	545.9	557.0	568.0	579.1	590.1	601.2	612.3	623.3	634.4	645.5	656.5	667.6	678.7	689.7	700.8	711.9	722.9	734.0	745.1	756.1	767.2	778.3	789.3	800.4	811.5	822.5	833.6	867.4	902.6	923.9	998.5	1,067.8	1,130.5	1,183.8
C109	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C110	800.9	823.5	846.2	868.9	891.5	914.2	936.9	959.5	982.2	1,004.9	1,027.5	1,050.2	1,072.9	1,095.5	1,118.2	1,140.9	1,163.5	1,186.2	1,208.9	1,231.5	1,254.2	1,276.9	1,299.5	1,322.2	1,344.9	1,367.5	1,390.2	1,412.9	1,435.5	1,458.2	1,480.9	1,503.5	1,526.2	1,548.9	1,571.5	1,594.2	1,616.9	1,639.5	1,662.2	1,684.9	1,707.5	1,776.8	1,848.9	1,892.4	2,045.2	2,187.4	2,315.8	2,425.0
C111	2,160.0	2,193.6	2,227.2	2,260.8	2,294.3	2,327.9	2,361.5	2,395.1	2,428.7	2,462.3	2,495.9	2,529.5	2,563.0	2,596.6	2,630.2	2,663.8	2,697.4	2,731.0	2,764.6	2,798.2	2,831.8	2,865.3	2,898.9	2,932.5	2,966.1	2,999.7	3,033.3	3,066.9	3,100.5	3,134.1	3,167.6	3,201.2	3,234.8	3,268.4	3,302.0	3,335.6	3,369.2	3,402.8	3,436.3	3,469.9	3,503.5	3,579.2	3,741.4	3,770.8	4,011.8	4,224.7	4,407.4	4,551.3
C112	683.3	702.3	721.2	740.1	759.1	778.0	797.0	815.9	834.9	853.8	872.8	891.7	910.7	929.6	948.5	967.5	986.4	1,005.4	1,024.3	1,043.3	1,062.2	1,081.2	1,100.1	1,119.0	1,138.0	1,156.9	1,175.9	1,194.8	1,213.8	1,232.7	1,251.7	1,270.6	1,289.6	1,308.5	1,327.4	1,346.4	1,365.3	1,384.3	1,403.2	1,422.2	1,441.1	1,498.6	1,559.7	1,595.6	1,723.5	1,842.3	1,949.5	2,040.5
C113	1,321.4	1,358.8	1,396.2	1,433.6	1,471.0	1,508.4	1,545.8	1,583.2	1,620.6	1,658.0	1,695.4	1,732.8	1,770.2	1,807.6	1,845.0	1,882.4	1,919.8	1,957.2	1,994.6	2,032.0	2,069.4	2,106.8	2,144.2	2,181.6	2,219.0	2,256.4	2,293.7	2,331.1	2,368.5	2,405.9	2,443.3	2,480.7	2,518.1	2,555.5	2,592.9	2,630.3	2,667.7	2,705.1	2,742.5	2,779.9	2,817.3	2,931.5	3,050.5	3,122.3	3,374.4	3,608.9	3,820.9	4,001.0
C114	1,508.6	1,551.3	1,594.0	1,636.7	1,679.4	1,722.0	1,764.7	1,807.4	1,850.1	1,892.8	1,935.5	1,978.2	2,020.9	2,063.6	2,106.3	2,149.0	2,191.7	2,234.4	2,277.1	2,319.7	2,362.4	2,405.1	2,447.8	2,490.5	2,533.2	2,575.9	2,618.6	2,661.3	2,704.0	2,746.7	2,789.4	2,832.1	2,874.7	2,917.4	2,960.1	3,002.8	3,045.5	3,088.2	3,130.9	3,173.6	3,216.3	3,346.7	3,482.5	3,564.5	3,852.3	4,120.0	4,361.9	4,567.6
C115	119.7	123.1	126.5	129.9	133.3	136.7	140.1	143.5	146.8	150.2	153.6	157.0	160.4	163.8	167.2	170.6	174.0	177.3	180.7	184.1	187.5	190.9	194.3	197.7	201.1	204.4	207.8	211.2	214.6	218.0	221.4	224.8	228.2	231.6	234.9	238.3	241.7	245.1	248.5	251.9	255.3	265.6	276.4	282.9	305.8	327.0	346.2	362.5
C116	492.1	506.0	519.9	533.9	547.8	561.7	575.6	589.6	603.5	617.4	631.4	645.3	659.2	673.1	687.1	701.0	714.9	728.8	742.8	756.7	770.6	784.6	798.5	812.4	826.3	840.3	854.2	868.1	882.0	896.0	909.9	923.8	937.7	951.7	965.6	979.5	993.5	1,007.4	1,021.3	1,035.2	1,049.2	1,091.7	1,136.0	1,162.8	1,256.7	1,344.0	1,422.9	1,490.0
C117	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C118	44.6	45.8	47.1	48.3	49.6	50.9	52.1	53.4	54.6	55.9	57.2	58.4	59.7	60.9	62.2	63.5	64.7	66.0	67.2	68.5	69.8	71.0	72.3	73.6	74.8	76.1	77.3	78.6	79.9	81.1	82.4	83.6	84.9	86.2	87.4	88.7	89.9	91.2	92.5	93.7	95.0	98.8	102.9	105.3	113.8	121.7	128.8	134.9
C119	218.4	228.6	238.8	248.9	259.1	269.2	279.4	289.6	299.7	309.9	320.0	330.2	340.4	350.5	360.7	370.8	381.0	391.2	401.3	411.5	421.6	431.8	442.0	452.1	462.3	472.4	482.6	492.8	502.9	513.1	523.2	533.4	543.6	553.7	563.9	574.0	584.2	594.4	604.5	614.7	624.8	657.0	688.7	709.9	773.5	835.9	895.5	951.3
C120	948.4	975.3	1,002.1	1,029.0	1,055.8	1,082.7	1,109.5	1,136.3	1,163.2	1,190.0	1,216.9	1,243.7	1,270.6	1,297.4	1,324.3	1,351.1	1,377.9	1,404.8	1,431.6	1,458.5	1,485.3	1,512.2	1,539.0	1,565.9	1,592.7	1,619.5	1,646.4	1,673.2	1,700.1	1,726.9	1,753.8	1,780.6	1,807.4	1,834.3	1,861.1	1,888.0	1,914.8	1,941.7	1,968.5	1,995.4	2,022.2	2,104.2	2,189.6	2,241.2	2,422.2	2,590.4	2,742.6	2,871.9
C121	1,952.0	2,051.0	2,150.0	2,248.9	2,347.9	2,446.9	2,545.8	2,644.8	2,743.7	2,842.7	2,941.7	3,040.6	3,139.6	3,238.5	3,337.5	3,436.5	3,535.4	3,634.4	3,733.3	3,832.3	3,931.3	4,030.2	4,129.2	4,228.1	4,327.1	4,426.1	4,525.0	4,624.0	4,722.9	4,821.9	4,920.9	5,019.8	5,118.8	5,217.7	5,316.7	5,415.7	5,514.6	5,613.6	5,712.6	5,811.5	5,910.5	6,225.2	6,533.3	6,741.2	7,355.4	7,961.5	8,544.2	9,096.0
C122	31.7	32.6	33.5	34.4	35.3	36.2	37.1	38.0	38.9	39.8	40.7	41.6	42.5	43.4	44.3	45.2	46.1	47.0	47.9	48.8	49.7	50.6	51.5	52.4	53.3	54.2	55.1	56.0	56.9	57.8	58.7	59.6	60.5	61.4	62.3	63.2	64.1	65.0	65.9	66.8	67.7	70.4	73.3	75.0	81.0	86.7	91.8	96.1
C123	179.9	186.3	192.7	199.1	205.5	212.0	218.4	224.8	231.2	237.6	244.0	250.5	256.9	263.3	269.7	276.1	282.6	289.0	295.4	301.8	308.2	314.6	321.1	327.5	333.9	340.3	346.7	353.1	359.6	366.0	372.4	378.8	385.2	391.7	398.1	404.5	410.9	417.3	423.7	430.2	436.6	456.6	476.8	489.6	531.3	571.1	608.1	641.3
C124	334.2	343.7	353.1	362.6	372.0	381.5	391.0	400.4	409.9	419.3	428.8	438.2	447.7	457.2	466.6	476.1	485.5	495.0	504.5	513.9	523.4	532.8	542.3	551.8	561.2	570.7	580.1	589.6	599.0	608.5	618.0	627.4	636.9	646.3	655.8	665.3	674.7	684.2	693.6	703.1	712.5	741.4	771.5	789.7	853.5	912.8	966.4	1,011.9
C125	1,288.8	1,329.7	1,370.6	1,411.5	1,452.4	1,493.3	1,534.2	1,575.1	1,616.0	1,656.9	1,697.8	1,738.7	1,779.6	1,820.5	1,861.4	1,902.3	1,943.2	1,984.1	2,025.0	2,065.9	2,106.8	2,147.7	2,188.6	2,229.5	2,270.4	2,311.3	2,352.2	2,393.1	2,434.0	2,474.9	2,515.8	2,556.6	2,597.5	2,638.4	2,679.3	2,720.2	2,761.1	2,802.0	2,842.9	2,883.8	2,924.7	3,050.9	3,180.4	3,260.7	3,531.1	3,786.1	4,020.0	4,224.7
C126	106.5	109.5	112.6	115.6	118.6	121.6	124.6	127.6	130.6	133.6	136.7	139.7	142.7	145.7	148.7	151.7	154.7	157.8	160.8	163.8	166.8	169.8	172.8	175.8	178.9	181.9	184.9	187.9	190.9	193.9	196.9	199.9	203.0	206.0	209.0	212.0	215.0	218.0	221.0	224.1	227.1	236.3	245.9	251.7	272.0	290.9	307.9	322.5
C127	799.0	821.6	844.2	866.8	889.5	912.1	934.7	957.3	979.9	1,002.5	1,025.1	1,047.7	1,070.4	1,093.0	1,115.6	1,138.2	1,160.8	1,183.4	1,206.0	1,228.6	1,251.3	1,273.9	1,296.5	1,319.1	1,341.7	1,364.3	1,386.9	1,409.5	1,432.2	1,454.8	1,477.4	1,500.0	1,522.6	1,545.2	1,567.8	1,590.4	1,613.1	1,635.7	1,658.3	1,680.9	1,703.5	1,772.6	1,844.5	1,887.9	2,040.4	2,182.1	2,310.3	2,419.2
C128	1,684.0	1,710.2	1,736.4	1,762.6	1,788.8	1,815.0	1,841.2	1,867.4	1,893.6	1,919.8	1,946.0	1,972.2	1,998.4	2,024.6	2,050.8	2,077.0	2,103.2	2,129.4	2,155.6	2,181.8	2,208.0	2,234.2	2,260.4	2,286.6	2,312.8	2,339.0	2,365.2	2,391.4	2,417.6	2,443.8	2,470.0	2,496.2	2,522.4	2,548.6	2,574.8	2,601.0	2,627.2	2,653.4	2,679.6	2,705.8	2,732.0	2,790.8	2,917.7	2,940.7	3,128.6	3,294.6	3,437.1	3,549.3
C129	1,256.8	1,276.4	1,295.9	1,315.5	1,335.0	1,354.6	1,374.1	1,393.7	1,413.2	1,432.7	1,452.3	1,471.8	1,491.4	1,510.9	1,530.5	1,550.0	1,569.6	1,589.1	1,608.7	1,628.2	1,647.8	1,667.3	1,686.8	1,706.4	1,725.9	1,745.5	1,765.0	1,784.6	1,804.1	1,823.6	1,843.2	1,862.7	1,882.3	1,901.8	1,921.4	1,940.9	1,960.5	1,980.0	1,999.6	2,019.1	2,038.6	2,082.6	2,177.1	2,194.2	2,334.4	2,458.3	2,564.6	2,648.3
C130	1,961.3	1,991.8	2,022.3	2,052.7	2,083.2	2,113.7	2,144.2	2,174.7	2,205.2	2,235.7	2,266.2	2,296.7	2,327.2	2,357.7	2,388.2	2,418.7	2,449.2	2,479.7	2,510.2	2,540.7	2,571.2	2,601.7	2,632.2	2,662.7	2,693.2	2,723.7	2,754.2	2,784.7	2,815.2	2,845.7	2,876.2	2,906.7	2,937.2	2,967.7	2,998.2	3,028.7	3,059.2	3,089.7	3,120.2	3,150.6	3,181.1	3,249.8	3,397.1	3,423.9	3,642.6	3,836.0	4,001.8	4,132.5
C131	630.2	648.0	665.8	683.7	701.5	719.3	737.2	755.0	772.9	790.7	808.5	826.4	844.2	862.0	879.9	897.7	915.5	933.4	951.2	969.1	986.9	1,004.7	1,022.6	1,040.4	1,058.2	1,076.1	1,093.9	1,111.7	1,129.6	1,147.4	1,165.3	1,183.1	1,200.9	1,218.8	1,236.6	1,254.4	1,272.3	1,290.1	1,307.9	1,325.8	1,343.6	1,398.1	1,454.8	1,489.1	1,609.4	1,721.2	1,822.2	1,908.2
C132	1,484.1	1,526.1	1,568.1	1,610.1	1,652.1	1,694.1	1,736.1	1,778.1	1,820.1	1,862.1	1,904.1	1,946.1	1,988.1	2,030.1	2,072.2	2,114.2	2,156.2	2,198.2	2,240.2	2,282.2	2,324.2	2,366.2	2,408.2	2,450.2	2,492.2	2,534.2	2,576.2	2,618.2	2,660.2	2,702.2	2,744.2	2,786.2	2,828.3	2,870.3	2,912.3	2,954.3	2,996.3	3,038.3	3,080.3	3,122.3	3,164.3	3,292.6	3,426.3	3,507.0	3,790.2	4,053.5	4,291.5	4,493.8
C133	279.7	287.6	295.5	303.4	311.4	319.3	327.2	335.1	343.0	350.9	358.8	366.8	374.7	382.6	390.5	398.4	406.3	414.3	422.2	430.1	438.0	445.9	453.8	461.8	469.7	477.6	485.5	493.4	501.3	509.2	517.2	525.1	533.0	540.9	548.8	556.7	564.7	572.6	580.5	588.4	596.3	620.5	645.7	660.9	714.3	763.9	808.7	846.9
C134	97.6	100.3	103.1	105.9	108.6	111.4	114.2	116.9	119.7	122.4	125.2	128.0	130.7	133.5	136.2	139.0	141.8	144.5	147.3	150.1	152.8	155.6	158.3	161.1	163.9	166.6	169.4	172.1	174.9	177.7	180.4	183.2	186.0	188.7	191.5	194.2	197.0	199.8	202.5	205.3	208.1	216.5	225.3	230.6	249.2	266.5	282.2	295.5
C135	1,451.4	1,492.5	1,533.6	1,574.7	1,615.7	1,656.8	1,697.9	1,739.0	1,780.1	1,821.1	1,862.2	1,903.3	1,944.4	1,985.4	2,026.5	2,067.6	2,108.7	2,149.8	2,190.8	2,231.9	2,273.0	2,314.1	2,355.1	2,396.2	2,437.3	2,478.4	2,519.5	2,560.5	2,601.6	2,642.7	2,683.8	2,724.9	2,765.9	2,807.0	2,848.1	2,889.2	2,930.2	2,971.3	3,012.4	3,053.5	3,094.6	3,220.0	3,350.7	3,429.6	3,706.6	3,964.1	4,196.9	4,394.7
C136	2,600.2	2,663.7	2,727.2	2,790.7	2,854.2	2,917.7	2,981.2	3,044.6	3,108.1	3,171.6	3,235.1	3,298.6	3,362.1	3,425.6	3,489.1	3,552.5	3,616.0	3,679.5	3,743.0	3,806.5	3,870.0	3,933.5	3,997.0	4,060.4	4,123.9	4,187.4	4,250.9	4,314.4	4,377.9	4,441.4	4,504.9	4,568.3	4,631.8	4,695.3	4,758.8	4,822.3	4,885.8	4,949.3	5,012.8	5,076.2	5,139.7	5,323.7	5,546.1	5,655.2	6,088.5	6,487.4	6,844.3	7,143.5
C137	2,254.5	2,295.6	2,336.8	2,377.9	2,419.0	2,460.1	2,501.2	2,542.4	2,583.5	2,624.6	2,665.7	2,706.8	2,748.0	2,789.1	2,830.2	2,871.3	2,912.5	2,953.6	2,994.7	3,035.8	3,076.9	3,118.1	3,159.2	3,200.3	3,241.4	3,282.6	3,323.7	3,364.8	3,405.9	3,447.0	3,488.2	3,529.3	3,570.4	3,611.5	3,652.7	3,693.8	3,734.9	3,776.0	3,817.1	3,858.3	3,899.4	4,002.8	4,179.2	4,229.3	4,518.5	4,778.3	5,004.9	5,188.3
C138	2,024.0	2,055.4	2,086.9	2,118.4	2,149.8	2,181.3	2,212.8	2,244.3	2,275.7	2,307.2	2,338.7	2,370.2	2,401.6	2,433.1	2,464.6	2,496.1	2,527.5	2,559.0	2,590.5	2,621.9	2,653.4	2,684.9	2,716.4	2,747.8	2,779.3	2,810.8	2,842.3	2,873.7	2,905.2	2,936.7	2,968.1	2,999.6	3,031.1	3,062.6	3,094.0	3,125.5	3,157.0	3,188.5	3,219.9	3,251.4	3,282.9	3,353.7	3,505.8	3,533.3	3,759.1	3,958.7	4,129.8	4,264.7
C139	2,209.0	2,254.9	2,300.7	2,346.6	2,392.4	2,438.3	2,484.2	2,530.0	2,575.9	2,621.7	2,667.6	2,713.4	2,759.3	2,805.1	2,851.0	2,896.8	2,942.7	2,988.5	3,034.4	3,080.2	3,126.1	3,171.9	3,217.8	3,263.6	3,309.5	3,355.4	3,401.2	3,447.1	3,492.9	3,538.8	3,584.6	3,630.5	3,676.3	3,722.2	3,768.0	3,813.9	3,859.7	3,905.6	3,951.4	3,997.3	4,043.1	4,166.9	4,346.3	4,413.1	4,731.0	5,019.9	5,275.1	5,485.2
C140	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C141	1,324.0	1,394.0	1,464.0	1,534.0	1,604.0	1,673.9	1,743.9	1,813.9	1,883.9	1,953.8	2,023.8	2,093.8	2,163.8	2,233.8	2,303.7	2,373.7	2,443.7	2,513.7	2,583.6	2,653.6	2,723.6	2,793.6	2,863.6	2,933.5	3,003.5	3,073.5	3,143.5	3,213.5	3,283.4	3,353.4	3,423.4	3,493.4	3,563.3	3,633.3	3,703.3	3,773.3	3,843.3	3,913.2	3,983.2	4,053.2	4,123.2	4,421.2	4,407.0	4,629.7	5,297.4	5,665.4	5,998.0	6,281.0
C142	38.0	39.1	40.1	41.2	42.3	43.4	44.4	45.5	46.6	47.7	48.7	49.8	50.9	52.0	53.0	54.1	55.2	56.3	57.3	58.4	59.5	60.6	61.6	62.7	63.8	64.9	65.9	67.0	68.1	69.2	70.2	71.3	72.4	73.5	74.5	75.6	76.7	77.8	78.8	79.9	81.0	84.3	87.7	89.8	97.0	103.8	109.8	115.0
C143	1,041.7	1,071.2	1,100.7	1,130.2	1,159.7	1,189.2	1,218.6	1,248.1	1,277.6	1,307.1	1,336.6	1,366.1	1,395.5	1,425.0	1,454.5	1,484.0	1,513.5	1,543.0	1,572.5	1,601.9	1,631.4	1,660.9	1,690.4	1,719.9	1,749.4	1,778.8	1,808.3	1,837.8	1,867.3	1,896.8	1,926.3	1,955.7	1,985.2	2,014.7	2,044.2	2,073.7	2,103.2	2,132.7	2,162.1	2,191.6	2,221.1	2,311.1	2,405.0	2,461.6	2,660.4	2,845.2	3,012.3	3,154.3
C144	82.6	84.9	87.2	89.6	91.9	94.3	96.6	98.9	101.3	103.6	105.9	108.3	110.6	113.0	115.3	117.6	120.0	122.3	124.6	127.0	129.3	131.7	134.0	136.3	138.7	141.0	143.3	145.7	148.0	150.3	152.7	155.0	157.4	159.7	162.0	164.4	166.7	169.0	171.4	173.7	176.1	183.2	190.6	195.1	210.9	225.5	238.8	250.0
C145	3,247.0	3,298.3	3,349.7	3,401.0	3,452.4	3,503.7	3,555.1	3,606.4	3,657.8	3,709.1	3,760.5	3,811.8	3,863.2	3,914.5	3,965.8	4,017.2	4,068.5	4,119.9	4,171.2	4,222.6	4,273.9	4,325.3	4,376.6	4,428.0	4,479.3	4,530.7	4,582.0	4,633.4	4,684.7	4,736.1	4,787.4	4,838.8	4,890.1	4,941.5	4,992.8	5,044.2	5,095.5	5,146.9	5,198.2	5,249.6	5,300.9	5,418.0	5,663.0	5,709.9	6,077.4	6,402.8	6,682.5	6,903.6
C146	1,735.3	1,784.4	1,833.5	1,882.6	1,931.7	1,980.8	2,030.0	2,079.1	2,128.2	2,177.3	2,226.4	2,275.5	2,324.6	2,373.8	2,422.9	2,472.0	2,521.1	2,570.2	2,619.3	2,668.4	2,717.6	2,766.7	2,815.8	2,864.9	2,914.0	2,963.1	3,012.2	3,061.4	3,110.5	3,159.6	3,208.7	3,257.8	3,306.9	3,356.0	3,405.2	3,454.3	3,503.4	3,552.5	3,601.6	3,650.7	3,699.8	3,849.8	4,006.1	4,100.5	4,431.6	4,739.5	5,017.8	5,254.3
C147	1,202.9	1,221.6	1,240.3	1,259.0	1,277.7	1,296.4	1,315.1	1,333.9	1,352.6	1,371.3	1,390.0	1,408.7	1,427.4	1,446.1	1,464.8	1,483.5	1,502.2	1,520.9	1,539.6	1,558.3	1,577.0	1,595.7	1,614.4	1,633.1	1,651.8	1,670.5	1,689.2	1,707.9	1,726.6	1,745.3	1,764.0	1,782.8	1,801.5	1,820.2	1,838.9	1,857.6	1,876.3	1,895.0	1,913.7	1,932.4	1,951.1	1,993.2	2,083.6	2,100.0	2,234.1	2,352.7	2,454.4	2,534.6
C148	1,757.6	1,807.3	1,857.1	1,906.8	1,956.6	2,006.3	2,056.1	2,105.8	2,155.6	2,205.3	2,255.0	2,304.8	2,354.5	2,404.3	2,454.0	2,503.8	2,553.5	2,603.3	2,653.0	2,702.8	2,752.5	2,802.3	2,852.0	2,901.7	2,951.5	3,001.2	3,051.0	3,100.7	3,150.5	3,200.2	3,250.0	3,299.7	3,349.5	3,399.2	3,449.0	3,498.7	3,548.4	3,598.2	3,647.9	3,697.7	3,747.4	3,899.4	4,057.6	4,153.2	4,488.6	4,800.5	5,082.4	5,321.9
C149	2,854.0	2,934.7	3,015.5	3,096.3	3,177.0	3,257.8	3,338.6	3,419.4	3,500.1	3,580.9	3,661.7	3,742.4	3,823.2	3,904.0	3,984.7	4,065.5	4,146.3	4,227.0	4,307.8	4,388.6	4,469.3	4,550.1	4,630.9	4,711.6	4,792.4	4,873.2	4,954.0	5,034.7	5,115.5	5,196.3	5,277.0	5,357.8	5,438.6	5,519.3	5,600.1	5,680.9	5,761.6	5,842.4	5,923.2	6,003.9	6,084.7	6,331.4	6,588.4	6,743.5	7,288.1	7,794.4	8,252.2	8,641.1
C150	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C151	1,128.3	1,160.2	1,192.2	1,224.1	1,256.0	1,288.0	1,319.9	1,351.9	1,383.8	1,415.7	1,447.7	1,479.6	1,511.5	1,543.5	1,575.4	1,607.3	1,639.3	1,671.2	1,703.1	1,735.1	1,767.0	1,798.9	1,830.9	1,862.8	1,894.8	1,926.7	1,958.6	1,990.6	2,022.5	2,054.4	2,086.4	2,118.3	2,150.2	2,182.2	2,214.1	2,246.0	2,278.0	2,309.9	2,341.8	2,373.8	2,405.7	2,503.2	2,604.9	2,666.2	2,881.5	3,081.7	3,262.7	3,416.5
C152	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C153	761.1	782.6	804.2	825.7	847.2	868.8	890.3	911.9	933.4	954.9	976.5	998.0	1,019.6	1,041.1	1,062.6	1,084.2	1,105.7	1,127.3	1,148.8	1,170.3	1,191.9	1,213.4	1,235.0	1,256.5	1,278.1	1,299.6	1,321.1	1,342.7	1,364.2	1,385.8	1,407.3	1,428.8	1,450.4	1,471.9	1,493.5	1,515.0	1,536.5	1,558.1	1,579.6	1,601.2	1,622.7	1,688.5	1,757.0	1,798.4	1,943.6	2,078.7	2,200.8	2,304.5
C154	892.1	917.4	942.6	967.9	993.1	1,018.3	1,043.6	1,068.8	1,094.1	1,119.3	1,144.6	1,169.8	1,195.1	1,220.3	1,245.6	1,270.8	1,296.1	1,321.3	1,346.6	1,371.8	1,397.1	1,422.3	1,447.6	1,472.8	1,498.1	1,523.3	1,548.6	1,573.8	1,599.1	1,624.3	1,649.6	1,674.8	1,700.1	1,725.3	1,750.6	1,775.8	1,801.1	1,826.3	1,851.5	1,876.8	1,902.0	1,979.1	2,059.5	2,108.0	2,278.2	2,436.5	2,579.6	2,701.2
C155	520.1	562.2	604.4	646.6	688.7	730.9	773.0	815.2	857.3	899.5	941.7	983.8	1,026.0	1,068.1	1,110.3	1,152.4	1,194.6	1,236.7	1,278.9	1,321.1	1,363.2	1,405.4	1,447.5	1,489.7	1,531.8	1,574.0	1,616.2	1,658.3	1,700.5	1,742.6	1,784.8	1,826.9	1,869.1	1,911.3	1,953.4	1,995.6	2,037.7	2,079.9	2,122.0	2,164.2	2,206.3	2,373.7	2,455.3	2,551.6	2,805.2	3,064.7	3,325.5	3,589.9
C156	811.0	873.5	936.0	998.5	1,061.0	1,123.5	1,186.0	1,248.5	1,311.0	1,373.4	1,435.9	1,498.4	1,560.9	1,623.4	1,685.9	1,748.4	1,810.9	1,873.4	1,935.8	1,998.3	2,060.8	2,123.3	2,185.8	2,248.3	2,310.8	2,373.3	2,435.8	2,498.2	2,560.7	2,623.2	2,685.7	2,748.2	2,810.7	2,873.2	2,935.7	2,998.2	3,060.7	3,123.1	3,185.6	3,248.1	3,310.6	3,559.2	3,674.3	3,824.7	4,201.0	4,585.4	4,971.2	5,357.2
C157	239.6	259.0	278.4	297.8	317.2	336.6	356.1	375.5	394.9	414.3	433.7	453.1	472.6	492.0	511.4	530.8	550.2	569.6	589.0	608.5	627.9	647.3	666.7	686.1	705.5	725.0	744.4	763.8	783.2	802.6	822.0	841.4	860.9	880.3	899.7	919.1	938.5	957.9	977.4	996.8	1,016.2	1,093.3	1,130.8	1,175.2	1,292.0	1,411.5	1,531.6	1,653.4
C158	291.3	314.9	338.5	362.1	385.8	409.4	433.0	456.6	480.2	503.8	527.4	551.0	574.6	598.3	621.9	645.5	669.1	692.7	716.3	739.9	763.5	787.1	810.7	834.4	858.0	881.6	905.2	928.8	952.4	976.0	999.6	1,023.2	1,046.8	1,070.5	1,094.1	1,117.7	1,141.3	1,164.9	1,188.5	1,212.1	1,235.7	1,329.5	1,375.2	1,429.1	1,571.2	1,716.5	1,862.5	2,010.6
C159	349.8	378.2	406.5	434.9	463.2	491.5	519.9	548.2	576.6	604.9	633.2	661.6	689.9	718.3	746.6	774.9	803.3	831.6	860.0	888.3	916.6	945.0	973.3	1,001.7	1,030.0	1,058.3	1,086.7	1,115.0	1,143.4	1,171.7	1,200.0	1,228.4	1,256.7	1,285.1	1,313.4	1,341.7	1,370.1	1,398.4	1,426.8	1,455.1	1,483.4	1,596.0	1,650.8	1,715.5	1,886.1	2,060.5	2,235.8	2,413.5
C160	889.1	961.2	1,033.2	1,105.3	1,177.3	1,249.4	1,321.4	1,393.5	1,465.5	1,537.6	1,609.6	1,681.7	1,753.7	1,825.8	1,897.8	1,969.9	2,041.9	2,114.0	2,186.0	2,258.1	2,330.1	2,402.2	2,474.2	2,546.3	2,618.3	2,690.4	2,762.4	2,834.5	2,906.5	2,978.6	3,050.6	3,122.7	3,194.7	3,266.8	3,338.8	3,410.9	3,483.0	3,555.0	3,627.1	3,699.1	3,771.2	4,057.3	4,196.6	4,361.2	4,794.8	5,238.2	5,683.9	6,135.8
C161	426.9	461.6	496.2	530.8	565.4	600.1	634.7	669.3	703.9	738.6	773.2	807.8	842.4	877.1	911.7	946.3	980.9	1,015.6	1,050.2	1,084.8	1,119.4	1,154.1	1,188.7	1,223.3	1,257.9	1,292.6	1,327.2	1,361.8	1,396.4	1,431.1	1,465.7	1,500.3	1,535.0	1,569.6	1,604.2	1,638.8	1,673.5	1,708.1	1,742.7	1,777.3	1,812.0	1,949.5	2,016.4	2,095.6	2,303.8	2,517.0	2,731.2	2,948.3
C162	352.4	381.0	409.5	438.1	466.6	495.2	523.8	552.3	580.9	609.4	638.0	666.5	695.1	723.6	752.2	780.7	809.3	837.9	866.4	895.0	923.5	952.1	980.6	1,009.2	1,037.7	1,066.3	1,094.8	1,123.4	1,152.0	1,180.5	1,209.1	1,237.6	1,266.2	1,294.7	1,323.3	1,351.8	1,380.4	1,408.9	1,437.5	1,466.1	1,494.6	1,608.0	1,663.2	1,728.5	1,900.3	2,076.0	2,252.6	2,431.8
C163	828.1	851.5	874.9	898.4	921.8	945.2	968.7	992.1	1,015.5	1,039.0	1,062.4	1,085.8	1,109.3	1,132.7	1,156.1	1,179.6	1,203.0	1,226.4	1,249.9	1,273.3	1,296.8	1,320.2	1,343.6	1,367.1	1,390.5	1,413.9	1,437.4	1,460.8	1,484.2	1,507.7	1,531.1	1,554.5	1,578.0	1,601.4	1,624.8	1,648.3	1,671.7	1,695.1	1,718.6	1,742.0	1,765.4	1,837.0	1,911.6	1,956.6	2,114.6	2,261.5	2,394.3	2,507.2
C164	556.7	559.9	563.0	566.1	569.3	572.4	575.5	578.7	581.8	584.9	588.1	591.2	594.3	597.5	600.6	603.7	606.9	610.0	613.1	616.3	619.4	622.5	625.7	628.8	631.9	635.1	638.2	641.3	644.5	647.6	650.7	653.9	657.0	660.1	663.3	666.4	669.5	672.7	675.8	678.9	682.1	680.0	712.3	704.4	733.4	755.0	768.0	772.2
C165	226.7	238.2	249.7	261.2	272.6	284.1	295.6	307.1	318.6	330.1	341.6	353.1	364.6	376.1	387.6	399.1	410.5	422.0	433.5	445.0	456.5	468.0	479.5	491.0	502.5	514.0	525.5	536.9	548.4	559.9	571.4	582.9	594.4	605.9	617.4	628.9	640.4	651.9	663.3	674.8	686.3	722.9	758.6	782.8	854.1	924.5	992.1	1,056.2
C166	897.3	902.7	908.1	913.5	918.9	924.3	929.7	935.1	940.5	945.9	951.3	956.7	962.1	967.5	972.9	978.3	983.7	989.1	994.5	999.9	1,005.3	1,010.7	1,016.1	1,021.5	1,026.9	1,032.3	1,037.7	1,043.1	1,048.6	1,054.0	1,059.4	1,064.8	1,070.2	1,075.6	1,081.0	1,086.4	1,091.8	1,097.2	1,102.6	1,108.0	1,113.4	1,111.3	1,164.1	1,152.4	1,201.2	1,238.0	1,261.2	1,270.1
C167	339.9	341.8	343.7	345.6	347.5	349.4	351.4	353.3	355.2	357.1	359.0	360.9	362.8	364.8	366.7	368.6	370.5	372.4	374.3	376.2	378.1	380.1	382.0	383.9	385.8	387.7	389.6	391.5	393.4	395.4	397.3	399.2	401.1	403.0	404.9	406.8	408.7	410.7	412.6	414.5	416.4	415.1	434.8	430.1	447.8	460.9	468.9	471.4
C168	1,388.4	1,396.2	1,404.1	1,411.9	1,419.7	1,427.5	1,435.3	1,443.1	1,450.9	1,458.8	1,466.6	1,474.4	1,482.2	1,490.0	1,497.8	1,505.6	1,513.5	1,521.3	1,529.1	1,536.9	1,544.7	1,552.5	1,560.3	1,568.2	1,576.0	1,583.8	1,591.6	1,599.4	1,607.2	1,615.0	1,622.9	1,630.7	1,638.5	1,646.3	1,654.1	1,661.9	1,669.7	1,677.6	1,685.4	1,693.2	1,701.0	1,695.9	1,776.3	1,756.8	1,829.1	1,882.9	1,915.3	1,925.8
C169	194.7	196.8	198.9	201.0	203.1	205.2	207.4	209.5	211.6	213.7	215.8	217.9	220.0	222.1	224.2	226.3	228.4	230.5	232.6	234.7	236.8	238.9	241.0	243.1	245.2	247.3	249.4	251.5	253.6	255.7	257.8	259.9	262.0	264.2	266.3	268.4	270.5	272.6	274.7	276.8	278.9	282.2	294.9	295.2	311.5	325.2	335.8	343.0
C170	21.8	22.4	23.0	23.6	24.3	24.9	25.5	26.1	26.7	27.3	28.0	28.6	29.2	29.8	30.4	31.0	31.7	32.3	32.9	33.5	34.1	34.7	35.4	36.0	36.6	37.2	37.8	38.4	39.1	39.7	40.3	40.9	41.5	42.1	42.8	43.4	44.0	44.6	45.2	45.8	46.5	48.3	50.3	51.5	55.6	59.5	63.0	66.0
C171	1,029.3	1,081.5	1,133.7	1,185.8	1,238.0	1,290.2	1,342.4	1,394.6	1,446.8	1,498.9	1,551.1	1,603.3	1,655.5	1,707.7	1,759.9	1,812.0	1,864.2	1,916.4	1,968.6	2,020.8	2,073.0	2,125.1	2,177.3	2,229.5	2,281.7	2,333.9	2,386.1	2,438.2	2,490.4	2,542.6	2,594.8	2,647.0	2,699.2	2,751.4	2,803.5	2,855.7	2,907.9	2,960.1	3,012.3	3,064.5	3,116.6	3,282.6	3,445.0	3,554.7	3,878.6	4,198.2	4,505.4	4,796.4
C172	736.4	773.8	811.1	848.4	885.8	923.1	960.4	997.8	1,035.1	1,072.5	1,109.8	1,147.1	1,184.5	1,221.8	1,259.1	1,296.5	1,333.8	1,371.2	1,408.5	1,445.8	1,483.2	1,520.5	1,557.8	1,595.2	1,632.5	1,669.9	1,707.2	1,744.5	1,781.9	1,819.2	1,856.5	1,893.9	1,931.2	1,968.5	2,005.9	2,043.2	2,080.6	2,117.9	2,155.2	2,192.6	2,229.9	2,348.6	2,464.9	2,543.4	2,775.1	3,003.8	3,223.6	3,431.8
C173	277.8	291.9	306.0	320.1	334.2	348.2	362.3	376.4	390.5	404.6	418.7	432.8	446.8	460.9	475.0	489.1	503.2	517.3	531.4	545.4	559.5	573.6	587.7	601.8	615.9	630.0	644.0	658.1	672.2	686.3	700.4	714.5	728.6	742.6	756.7	770.8	784.9	799.0	813.1	827.2	841.2	886.0	929.9	959.5	1,046.9	1,133.2	1,216.1	1,294.7
C174	646.3	652.1	657.8	663.5	669.2	675.0	680.7	686.4	692.2	697.9	703.6	709.3	715.1	720.8	726.5	732.2	738.0	743.7	749.4	755.1	760.9	766.6	772.3	778.0	783.8	789.5	795.2	800.9	806.7	812.4	818.1	823.8	829.6	835.3	841.0	846.7	852.5	858.2	863.9	869.6	875.4	880.7	922.6	919.2	965.1	1,002.7	1,030.5	1,048.0
C175	977.6	1,006.3	1,034.9	1,063.6	1,092.3	1,121.0	1,149.7	1,178.4	1,207.1	1,235.8	1,264.5	1,293.2	1,321.8	1,350.5	1,379.2	1,407.9	1,436.6	1,465.3	1,494.0	1,522.7	1,551.4	1,580.1	1,608.7	1,637.4	1,666.1	1,694.8	1,723.5	1,752.2	1,780.9	1,809.6	1,838.3	1,867.0	1,895.6	1,924.3	1,953.0	1,981.7	2,010.4	2,039.1	2,067.8	2,096.5	2,125.2	2,206.4	2,314.4	2,362.8	2,548.8	2,726.5	2,890.8	3,039.8
C176	1,275.3	1,340.0	1,404.6	1,469.3	1,533.9	1,598.6	1,663.3	1,727.9	1,792.6	1,857.2	1,921.9	1,986.5	2,051.2	2,115.9	2,180.5	2,245.2	2,309.8	2,374.5	2,439.1	2,503.8	2,568.4	2,633.1	2,697.8	2,762.4	2,827.1	2,891.7	2,956.4	3,021.0	3,085.7	3,150.3	3,215.0	3,279.7	3,344.3	3,409.0	3,473.6	3,538.3	3,602.9	3,667.6	3,732.3	3,796.9	3,861.6	4,067.2	4,268.5	4,404.4	4,805.7	5,201.7	5,582.3	5,942.8
C177	6,411.6	6,736.7	7,061.7	7,386.8	7,711.9	8,036.9	8,362.0	8,687.1	9,012.1	9,337.2	9,662.3	9,987.3	10,312.4	10,637.4	10,962.5	11,287.6	11,612.6	11,937.7	12,262.8	12,587.8	12,912.9	13,238.0	13,563.0	13,888.1	14,213.2	14,538.2	14,863.3	15,188.4	15,513.4	15,838.5	16,163.5	16,488.6	16,813.7	17,138.7	17,463.8	17,788.9	18,113.9	18,439.0	18,764.1	19,089.1	19,414.2	20,448.0	21,459.9	22,143.2	24,160.7	26,151.6	28,065.2	29,878.0
C178	514.1	540.2	566.2	592.3	618.3	644.4	670.5	696.5	722.6	748.7	774.7	800.8	826.8	852.9	879.0	905.0	931.1	957.1	983.2	1,009.3	1,035.3	1,061.4	1,087.4	1,113.5	1,139.6	1,165.6	1,191.7	1,217.7	1,243.8	1,269.9	1,295.9	1,322.0	1,348.1	1,374.1	1,400.2	1,426.2	1,452.3	1,478.4	1,504.4	1,530.5	1,556.5	1,639.4	1,720.5	1,775.3	1,937.1	2,096.7	2,250.1	2,395.5
C179	653.9	687.1	720.2	753.4	786.5	819.7	852.8	886.0	919.1	952.2	985.4	1,018.5	1,051.7	1,084.8	1,118.0	1,151.1	1,184.3	1,217.4	1,250.6	1,283.7	1,316.9	1,350.0	1,383.2	1,416.3	1,449.5	1,482.6	1,515.8	1,548.9	1,582.1	1,615.2	1,648.4	1,681.5	1,714.7	1,747.8	1,781.0	1,814.1	1,847.3	1,880.4	1,913.6	1,946.7	1,979.9	2,085.3	2,188.5	2,258.2	2,463.9	2,666.9	2,862.1	3,047.0
C180	698.0	733.4	768.8	804.2	839.6	875.0	910.4	945.8	981.1	1,016.5	1,051.9	1,087.3	1,122.7	1,158.1	1,193.5	1,228.9	1,264.3	1,299.7	1,335.0	1,370.4	1,405.8	1,441.2	1,476.6	1,512.0	1,547.4	1,582.8	1,618.2	1,653.5	1,688.9	1,724.3	1,759.7	1,795.1	1,830.5	1,865.9	1,901.3	1,936.7	1,972.1	2,007.4	2,042.8	2,078.2	2,113.6	2,226.1	2,336.3	2,410.7	2,630.4	2,847.1	3,055.4	3,252.8
C181	14.8	15.2	15.6	16.0	16.5	16.9	17.3	17.7	18.1	18.5	19.0	19.4	19.8	20.2	20.6	21.1	21.5	21.9	22.3	22.7	23.1	23.6	24.0	24.4	24.8	25.2	25.7	26.1	26.5	26.9	27.3	27.7	28.2	28.6	29.0	29.4	29.8	30.3	30.7	31.1	31.5	32.8	34.1	34.9	37.7	40.4	42.7	44.7
C182	2,383.7	2,469.5	2,555.4	2,641.2	2,727.1	2,812.9	2,898.8	2,984.6	3,070.5	3,156.4	3,242.2	3,328.1	3,413.9	3,499.8	3,585.6	3,671.5	3,757.3	3,843.2	3,929.0	4,014.9	4,100.7	4,186.6	4,272.4	4,358.3	4,444.1	4,530.0	4,615.8	4,701.7	4,787.5	4,873.4	4,959.3	5,045.1	5,131.0	5,216.8	5,302.7	5,388.5	5,474.4	5,560.2	5,646.1	5,731.9	5,817.8	6,074.0	6,372.7	6,533.1	7,079.2	7,608.4	8,106.2	8,566.4
C183	629.2	661.1	693.0	724.9	756.8	788.7	820.6	852.5	884.4	916.3	948.2	980.1	1,012.0	1,043.9	1,075.8	1,107.7	1,139.6	1,171.5	1,203.4	1,235.3	1,267.2	1,299.1	1,331.0	1,362.9	1,394.8	1,426.7	1,458.6	1,490.5	1,522.4	1,554.3	1,586.3	1,618.2	1,650.1	1,682.0	1,713.9	1,745.8	1,777.7	1,809.6	1,841.5	1,873.4	1,905.3	2,006.7	2,106.0	2,173.1	2,371.1	2,566.5	2,754.3	2,932.2
C184	1,049.3	1,102.5	1,155.7	1,208.9	1,262.1	1,315.3	1,368.5	1,421.7	1,474.9	1,528.1	1,581.3	1,634.5	1,687.7	1,740.9	1,794.1	1,847.3	1,900.5	1,953.7	2,006.9	2,060.1	2,113.3	2,166.5	2,219.7	2,272.9	2,326.1	2,379.3	2,432.5	2,485.7	2,538.9	2,592.1	2,645.3	2,698.5	2,751.7	2,804.9	2,858.1	2,911.3	2,964.5	3,017.7	3,070.9	3,124.1	3,177.3	3,346.4	3,512.1	3,623.9	3,954.1	4,279.9	4,593.1	4,889.7
C185	735.9	773.2	810.5	847.8	885.1	922.4	959.7	997.0	1,034.3	1,071.6	1,108.9	1,146.2	1,183.5	1,220.9	1,258.2	1,295.5	1,332.8	1,370.1	1,407.4	1,444.7	1,482.0	1,519.3	1,556.6	1,593.9	1,631.2	1,668.5	1,705.8	1,743.1	1,780.5	1,817.8	1,855.1	1,892.4	1,929.7	1,967.0	2,004.3	2,041.6	2,078.9	2,116.2	2,153.5	2,190.8	2,228.1	2,346.8	2,462.9	2,541.3	2,772.9	3,001.4	3,221.0	3,429.0
C186	606.5	615.9	625.3	634.7	644.2	653.6	663.0	672.5	681.9	691.3	700.8	710.2	719.6	729.0	738.5	747.9	757.3	766.8	776.2	785.6	795.0	804.5	813.9	823.3	832.8	842.2	851.6	861.1	870.5	879.9	889.3	898.8	908.2	917.6	927.1	936.5	945.9	955.4	964.8	974.2	983.6	1,004.9	1,050.4	1,058.7	1,126.3	1,186.1	1,237.4	1,277.8
C187	2,227.9	2,262.5	2,297.1	2,331.8	2,366.4	2,401.1	2,435.7	2,470.4	2,505.0	2,539.6	2,574.3	2,608.9	2,643.6	2,678.2	2,712.8	2,747.5	2,782.1	2,816.8	2,851.4	2,886.1	2,920.7	2,955.3	2,990.0	3,024.6	3,059.3	3,093.9	3,128.5	3,163.2	3,197.8	3,232.5	3,267.1	3,301.7	3,336.4	3,371.0	3,405.7	3,440.3	3,475.0	3,509.6	3,544.2	3,578.9	3,613.5	3,691.5	3,858.9	3,889.2	4,137.7	4,357.3	4,545.7	4,694.2
C188	1,375.9	1,427.7	1,479.5	1,531.3	1,583.1	1,634.9	1,686.7	1,738.5	1,790.3	1,842.1	1,893.9	1,945.7	1,997.5	2,049.3	2,101.1	2,152.9	2,204.7	2,256.5	2,308.3	2,360.1	2,411.9	2,463.7	2,515.5	2,567.3	2,619.1	2,670.9	2,722.7	2,774.5	2,826.3	2,878.1	2,929.9	2,981.7	3,033.5	3,085.3	3,137.1	3,188.9	3,240.7	3,292.5	3,344.3	3,396.1	3,447.9	3,620.8	3,756.6	3,872.6	4,217.8	4,537.4	4,832.1	5,099.6
C189	1,754.0	1,820.0	1,886.0	1,952.1	2,018.1	2,084.1	2,150.1	2,216.2	2,282.2	2,348.2	2,414.2	2,480.3	2,546.3	2,612.3	2,678.3	2,744.4	2,810.4	2,876.4	2,942.4	3,008.5	3,074.5	3,140.5	3,206.5	3,272.6	3,338.6	3,404.6	3,470.6	3,536.7	3,602.7	3,668.7	3,734.7	3,800.8	3,866.8	3,932.8	3,998.8	4,064.9	4,130.9	4,196.9	4,262.9	4,329.0	4,395.0	4,615.4	4,788.4	4,936.4	5,376.3	5,783.6	6,159.3	6,500.3
C190	1,518.8	1,576.0	1,633.2	1,690.4	1,747.6	1,804.7	1,861.9	1,919.1	1,976.3	2,033.5	2,090.7	2,147.8	2,205.0	2,262.2	2,319.4	2,376.6	2,433.8	2,490.9	2,548.1	2,605.3	2,662.5	2,719.7	2,776.8	2,834.0	2,891.2	2,948.4	3,005.6	3,062.8	3,119.9	3,177.1	3,234.3	3,291.5	3,348.7	3,405.9	3,463.0	3,520.2	3,577.4	3,634.6	3,691.8	3,749.0	3,806.1	3,997.0	4,146.9	4,275.0	4,656.0	5,008.8	5,334.1	5,629.5
C191	2,393.7	2,483.8	2,573.9	2,664.0	2,754.1	2,844.2	2,934.3	3,024.3	3,114.4	3,204.5	3,294.6	3,384.7	3,474.8	3,564.9	3,655.0	3,745.1	3,835.2	3,925.3	4,015.4	4,105.5	4,195.6	4,285.7	4,375.8	4,465.9	4,556.0	4,646.1	4,736.2	4,826.3	4,916.4	5,006.5	5,096.6	5,186.7	5,276.8	5,366.9	5,457.0	5,547.1	5,637.2	5,727.3	5,817.4	5,907.5	5,997.6	6,298.4	6,534.5	6,736.3	7,336.8	7,892.6	8,405.2	8,870.5
C192	1,690.5	1,754.1	1,817.7	1,881.3	1,945.0	2,008.6	2,072.2	2,135.8	2,199.4	2,263.1	2,326.7	2,390.3	2,453.9	2,517.6	2,581.2	2,644.8	2,708.4	2,772.0	2,835.7	2,899.3	2,962.9	3,026.5	3,090.1	3,153.8	3,217.4	3,281.0	3,344.6	3,408.3	3,471.9	3,535.5	3,599.1	3,662.7	3,726.4	3,790.0	3,853.6	3,917.2	3,980.9	4,044.5	4,108.1	4,171.7	4,235.3	4,447.7	4,614.5	4,757.0	5,181.0	5,573.5	5,935.4	6,263.9
C193	1,467.7	1,523.0	1,578.3	1,633.5	1,688.8	1,744.0	1,799.3	1,854.5	1,909.8	1,965.0	2,020.3	2,075.5	2,130.8	2,186.0	2,241.3	2,296.6	2,351.8	2,407.1	2,462.3	2,517.6	2,572.8	2,628.1	2,683.3	2,738.6	2,793.8	2,849.1	2,904.4	2,959.6	3,014.9	3,070.1	3,125.4	3,180.6	3,235.9	3,291.1	3,346.4	3,401.6	3,456.9	3,512.1	3,567.4	3,622.7	3,677.9	3,862.3	4,007.2	4,131.0	4,499.2	4,840.0	5,154.4	5,439.7
C194	4,846.2	4,941.2	5,036.2	5,131.2	5,226.1	5,321.1	5,416.1	5,511.1	5,606.1	5,701.0	5,796.0	5,891.0	5,986.0	6,081.0	6,175.9	6,270.9	6,365.9	6,460.9	6,555.9	6,650.8	6,745.8	6,840.8	6,935.8	7,030.8	7,125.8	7,220.7	7,315.7	7,410.7	7,505.7	7,600.7	7,695.6	7,790.6	7,885.6	7,980.6	8,075.6	8,170.5	8,265.5	8,360.5	8,455.5	8,550.5	8,645.4	9,248.5	9,176.5	9,248.5	9,814.5	10,558.2	11,243.7	11,866.2
C195	9,110.3	9,145.9	9,181.4	9,216.9	9,252.5	9,288.0	9,323.6	9,359.1	9,394.7	9,430.2	9,465.7	9,501.3	9,536.8	9,572.4	9,607.9	9,643.5	9,679.0	9,714.6	9,750.1	9,785.6	9,821.2	9,856.7	9,892.3	9,927.8	9,963.4	9,998.9	10,034.4	10,070.0	10,105.5	10,141.1	10,176.6	10,212.2	10,247.7	10,283.2	10,318.8	10,354.3	10,389.9	10,425.4	10,461.0	10,496.5	10,532.1	11,656.0	10,621.0	10,205.5	10,207.3	10,980.6	11,693.7	12,341.2
C196	1,203.2	1,248.5	1,293.7	1,339.0	1,384.3	1,429.6	1,474.9	1,520.2	1,565.5	1,610.8	1,656.1	1,701.4	1,746.7	1,792.0	1,837.3	1,882.5	1,927.8	1,973.1	2,018.4	2,063.7	2,109.0	2,154.3	2,199.6	2,244.9	2,290.2	2,335.5	2,380.8	2,426.0	2,471.3	2,516.6	2,561.9	2,607.2	2,652.5	2,697.8	2,743.1	2,788.4	2,833.7	2,879.0	2,924.3	2,969.6	3,014.8	3,166.1	3,284.7	3,386.2	3,688.1	3,967.4	4,225.1	4,459.0
C197	758.6	759.6	760.5	761.5	762.4	763.4	764.3	765.2	766.2	767.1	768.1	769.0	770.0	770.9	771.9	772.8	773.8	774.7	775.7	776.6	777.5	778.5	779.4	780.4	781.3	782.3	783.2	784.2	785.1	786.1	787.0	787.9	788.9	789.8	790.8	791.7	792.7	793.6	794.6	795.5	796.5	889.9	791.1	748.7	733.9	789.5	840.8	887.3
C198	2,107.5	2,184.2	2,260.9	2,337.5	2,414.2	2,490.8	2,567.5	2,644.2	2,720.8	2,797.5	2,874.1	2,950.8	3,027.5	3,104.1	3,180.8	3,257.4	3,334.1	3,410.8	3,487.4	3,564.1	3,640.7	3,717.4	3,794.1	3,870.7	3,947.4	4,024.0	4,100.7	4,177.4	4,254.0	4,330.7	4,407.3	4,484.0	4,560.7	4,637.3	4,714.0	4,790.6	4,867.3	4,944.0	5,020.6	5,097.3	5,173.9	5,438.6	5,629.8	5,797.1	6,305.9	6,783.7	7,224.2	7,624.2
C199	176.0	182.6	189.2	195.9	202.5	209.1	215.7	222.4	229.0	235.6	242.2	248.9	255.5	262.1	268.7	275.4	282.0	288.6	295.2	301.9	308.5	315.1	321.7	328.4	335.0	341.6	348.2	354.8	361.5	368.1	374.7	381.3	388.0	394.6	401.2	407.8	414.5	421.1	427.7	434.3	441.0	463.1	480.4	495.3	539.4	580.3	618.0	652.2
C200	1,029.4	1,068.1	1,106.9	1,145.6	1,184.4	1,223.1	1,261.9	1,300.6	1,339.4	1,378.1	1,416.9	1,455.6	1,494.4	1,533.1	1,571.9	1,610.6	1,649.4	1,688.1	1,726.9	1,765.6	1,804.4	1,843.1	1,881.9	1,920.6	1,959.4	1,998.1	2,036.9	2,075.6	2,114.4	2,153.1	2,191.9	2,230.6	2,269.3	2,308.1	2,346.8	2,385.6	2,424.3	2,463.1	2,501.8	2,540.6	2,579.3	2,708.7	2,810.3	2,897.0	3,155.3	3,394.3	3,614.8	3,814.9
C201	862.8	895.1	927.4	959.7	992.0	1,024.3	1,056.6	1,088.9	1,121.2	1,153.5	1,185.8	1,218.1	1,250.5	1,282.8	1,315.1	1,347.4	1,379.7	1,412.0	1,444.3	1,476.6	1,508.9	1,541.2	1,573.5	1,605.8	1,638.2	1,670.5	1,702.8	1,735.1	1,767.4	1,799.7	1,832.0	1,864.3	1,896.6	1,928.9	1,961.2	1,993.5	2,025.9	2,058.2	2,090.5	2,122.8	2,155.1	2,263.5	2,347.6	2,419.6	2,634.8	2,834.4	3,018.5	3,185.6
C202	1,494.3	1,550.5	1,606.8	1,663.0	1,719.3	1,775.5	1,831.8	1,888.0	1,944.3	2,000.5	2,056.8	2,113.0	2,169.3	2,225.5	2,281.8	2,338.0	2,394.3	2,450.5	2,506.8	2,563.0	2,619.3	2,675.5	2,731.8	2,788.0	2,844.3	2,900.5	2,956.8	3,013.1	3,069.3	3,125.6	3,181.8	3,238.1	3,294.3	3,350.6	3,406.8	3,463.1	3,519.3	3,575.6	3,631.8	3,688.1	3,744.3	3,932.1	4,079.6	4,205.5	4,580.4	4,927.4	5,247.4	5,537.9
C203	755.7	784.1	812.6	841.0	869.5	897.9	926.3	954.8	983.2	1,011.7	1,040.1	1,068.6	1,097.0	1,125.5	1,153.9	1,182.4	1,210.8	1,239.3	1,267.7	1,296.2	1,324.6	1,353.0	1,381.5	1,409.9	1,438.4	1,466.8	1,495.3	1,523.7	1,552.2	1,580.6	1,609.1	1,637.5	1,666.0	1,694.4	1,722.9	1,751.3	1,779.7	1,808.2	1,836.6	1,865.1	1,893.5	1,988.5	2,063.1	2,126.8	2,316.3	2,491.8	2,653.7	2,800.6
C204	3,023.4	3,137.2	3,251.0	3,364.8	3,478.7	3,592.5	3,706.3	3,820.1	3,934.0	4,047.8	4,161.6	4,275.4	4,389.3	4,503.1	4,616.9	4,730.7	4,844.6	4,958.4	5,072.2	5,186.0	5,299.8	5,413.7	5,527.5	5,641.3	5,755.1	5,869.0	5,982.8	6,096.6	6,210.4	6,324.3	6,438.1	6,551.9	6,665.7	6,779.6	6,893.4	7,007.2	7,121.0	7,234.9	7,348.7	7,462.5	7,576.3	7,956.3	8,254.6	8,509.6	9,268.2	9,970.4	10,617.8	11,205.8
C205	108.8	113.1	117.3	121.6	125.9	130.1	134.4	138.6	142.9	147.2	151.4	155.7	160.0	164.2	168.5	172.8	177.0	181.3	185.6	189.8	194.1	198.4	202.6	206.9	211.2	215.4	219.7	223.9	228.2	232.5	236.7	241.0	245.3	249.5	253.8	258.1	262.3	266.6	270.9	275.1	279.4	291.9	306.3	315.3	342.7	368.8	393.3	415.1
C206	636.7	661.7	686.6	711.6	736.6	761.5	786.5	811.5	836.4	861.4	886.4	911.3	936.3	961.3	986.2	1,011.2	1,036.2	1,061.1	1,086.1	1,111.1	1,136.0	1,161.0	1,186.0	1,210.9	1,235.9	1,260.9	1,285.8	1,310.8	1,335.8	1,360.7	1,385.7	1,410.7	1,435.6	1,460.6	1,485.6	1,510.5	1,535.5	1,560.5	1,585.4	1,610.4	1,635.4	1,708.8	1,792.9	1,845.3	2,005.8	2,159.1	2,302.0	2,429.9
C207	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C208	1,082.5	1,124.9	1,167.3	1,209.8	1,252.2	1,294.6	1,337.1	1,379.5	1,421.9	1,464.3	1,506.8	1,549.2	1,591.6	1,634.1	1,676.5	1,718.9	1,761.4	1,803.8	1,846.2	1,888.7	1,931.1	1,973.5	2,016.0	2,058.4	2,100.8	2,143.3	2,185.7	2,228.1	2,270.6	2,313.0	2,355.4	2,397.9	2,440.3	2,482.7	2,525.2	2,567.6	2,610.0	2,652.5	2,694.9	2,737.3	2,779.8	2,904.6	3,047.6	3,136.6	3,409.2	3,669.8	3,912.7	4,130.3
C209	10,949.5	11,378.9	11,808.2	12,237.5	12,666.9	13,096.2	13,525.5	13,954.9	14,384.2	14,813.5	15,242.9	15,672.2	16,101.6	16,530.9	16,960.2	17,389.6	17,818.9	18,248.2	18,677.6	19,106.9	19,536.2	19,965.6	20,394.9	20,824.3	21,253.6	21,682.9	22,112.3	22,541.6	22,970.9	23,400.3	23,829.6	24,259.0	24,688.3	25,117.6	25,547.0	25,976.3	26,405.6	26,835.0	27,264.3	27,693.6	28,123.0	29,386.0	30,832.7	31,733.2	34,492.4	37,128.7	39,586.1	41,787.5
C210	5,591.4	5,845.0	6,098.7	6,352.4	6,606.1	6,859.7	7,113.4	7,367.1	7,620.8	7,874.4	8,128.1	8,381.8	8,635.5	8,889.1	9,142.8	9,396.5	9,650.2	9,903.8	10,157.5	10,411.2	10,664.9	10,918.5	11,172.2	11,425.9	11,679.6	11,933.2	12,186.9	12,440.6	12,694.3	12,947.9	13,201.6	13,455.3	13,709.0	13,962.6	14,216.3	14,470.0	14,723.7	14,977.3	15,231.0	15,484.7	15,738.4	14,432.1	18,401.9	19,019.1	20,234.2	21,308.2	22,229.4	22,955.5
C211	106.2	109.6	113.0	116.4	119.8	123.2	126.6	130.0	133.4	136.8	140.2	143.6	147.0	150.4	153.8	157.3	160.7	164.1	167.5	170.9	174.3	177.7	181.1	184.5	187.9	191.3	194.7	198.1	201.5	204.9	208.3	211.7	215.1	218.5	221.9	225.3	228.7	232.1	235.5	238.9	242.3	230.3	275.5	282.7	300.7	316.7	330.4	341.2
C212	5,669.7	5,757.8	5,846.0	5,934.1	6,022.3	6,110.5	6,198.6	6,286.8	6,374.9	6,463.1	6,551.2	6,639.4	6,727.5	6,815.7	6,903.8	6,992.0	7,080.2	7,168.3	7,256.5	7,344.6	7,432.8	7,520.9	7,609.1	7,697.2	7,785.4	7,873.5	7,961.7	8,049.9	8,138.0	8,226.2	8,314.3	8,402.5	8,490.6	8,578.8	8,666.9	8,755.1	8,843.2	8,931.4	9,019.6	9,107.7	9,195.9	9,394.7	9,820.2	9,897.4	10,529.8	11,088.7	11,568.1	11,945.9
C213	1,962.4	1,993.0	2,023.5	2,054.0	2,084.5	2,115.0	2,145.5	2,176.0	2,206.5	2,237.0	2,267.5	2,298.1	2,328.6	2,359.1	2,389.6	2,420.1	2,450.6	2,481.1	2,511.6	2,542.1	2,572.7	2,603.2	2,633.7	2,664.2	2,694.7	2,725.2	2,755.7	2,786.2	2,816.7	2,847.2	2,877.8	2,908.3	2,938.8	2,969.3	2,999.8	3,030.3	3,060.8	3,091.3	3,121.8	3,152.4	3,182.9	3,251.6	3,398.9	3,425.7	3,644.5	3,838.0	4,003.9	4,134.7
C214	579.5	588.5	597.5	606.5	615.5	624.5	633.5	642.5	651.5	660.6	669.6	678.6	687.6	696.6	705.6	714.6	723.6	732.6	741.6	750.6	759.7	768.7	777.7	786.7	795.7	804.7	813.7	822.7	831.7	840.7	849.7	858.7	867.8	876.8	885.8	894.8	903.8	912.8	921.8	930.8	939.8	960.1	1,003.6	1,011.5	1,076.1	1,133.2	1,182.3	1,220.9
C215	450.2	461.3	472.5	483.6	494.8	505.9	517.1	528.2	539.4	550.5	561.7	572.8	584.0	595.1	606.3	617.4	628.6	639.7	650.9	662.0	673.2	684.3	695.5	706.6	717.8	728.9	740.1	751.2	762.4	773.5	784.7	795.8	807.0	818.1	829.3	840.4	851.6	862.7	873.9	885.0	896.2	926.1	969.9	988.0	1,062.9	1,132.2	1,194.8	1,248.4
C216	3,347.0	3,504.5	3,662.0	3,819.5	3,977.0	4,134.5	4,292.0	4,449.5	4,607.0	4,764.5	4,922.0	5,079.5	5,237.0	5,394.5	5,552.0	5,709.5	5,867.0	6,024.5	6,182.0	6,339.5	6,497.0	6,654.5	6,812.0	6,969.5	7,127.0	7,284.5	7,442.0	7,599.4	7,756.9	7,914.4	8,071.9	8,229.4	8,386.9	8,544.4	8,701.9	8,859.4	9,016.9	9,174.4	9,331.9	9,489.4	9,646.9	8,933.5	11,248.3	11,632.8	12,403.1	13,091.4	13,689.0	14,169.9
C217	309.4	321.6	333.7	345.8	358.0	370.1	382.2	394.4	406.5	418.6	430.8	442.9	455.0	467.2	479.3	491.4	503.6	515.7	527.8	540.0	552.1	564.2	576.4	588.5	600.6	612.8	624.9	637.0	649.2	661.3	673.4	685.6	697.7	709.8	722.0	734.1	746.2	758.4	770.5	782.6	794.8	830.5	871.4	896.8	974.8	1,049.3	1,118.7	1,181.0
C218	1,675.0	1,737.7	1,800.3	1,863.0	1,925.6	1,988.2	2,050.9	2,113.5	2,176.2	2,238.8	2,301.5	2,364.1	2,426.7	2,489.4	2,552.0	2,614.7	2,677.3	2,740.0	2,802.6	2,865.2	2,927.9	2,990.5	3,053.2	3,115.8	3,178.5	3,241.1	3,303.7	3,366.4	3,429.0	3,491.7	3,554.3	3,617.0	3,679.6	3,742.2	3,804.9	3,867.5	3,930.2	3,992.8	4,055.5	4,118.1	4,180.7	4,360.7	4,579.2	4,708.2	5,111.7	5,496.1	5,853.3	6,172.0
C219	3,269.4	3,407.9	3,546.5	3,685.0	3,823.5	3,962.1	4,100.6	4,239.2	4,377.7	4,516.3	4,654.8	4,793.4	4,931.9	5,070.5	5,209.0	5,347.5	5,486.1	5,624.6	5,763.2	5,901.7	6,040.3	6,178.8	6,317.4	6,455.9	6,594.5	6,733.0	6,871.5	7,010.1	7,148.6	7,287.2	7,425.7	7,564.3	7,702.8	7,841.4	7,979.9	8,118.4	8,257.0	8,395.5	8,534.1	8,672.6	8,811.2	8,755.0	9,925.0	10,236.9	11,031.9	11,772.8	12,446.1	13,027.7
C220	7.6	7.8	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.4	10.6	10.9	11.1	11.3	11.5	11.7	11.9	12.1	12.4	12.6	12.8	13.0	13.2	13.4	13.7	13.9	14.1	14.3	14.5	14.7	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.9	17.6	18.0	19.5	20.8	22.0	23.1
C221	31.2	32.1	33.0	33.9	34.8	35.6	36.5	37.4	38.3	39.2	40.1	40.9	41.8	42.7	43.6	44.5	45.4	46.2	47.1	48.0	48.9	49.8	50.7	51.6	52.4	53.3	54.2	55.1	56.0	56.9	57.7	58.6	59.5	60.4	61.3	62.2	63.0	63.9	64.8	65.7	66.6	69.3	72.1	73.8	79.7	85.3	90.3	94.5
C222	1,126.2	1,132.8	1,139.4	1,146.1	1,152.7	1,159.3	1,166.0	1,172.6	1,179.2	1,185.8	1,192.5	1,199.1	1,205.7	1,212.3	1,219.0	1,225.6	1,232.2	1,238.9	1,245.5	1,252.1	1,258.7	1,265.4	1,272.0	1,278.6	1,285.2	1,291.9	1,298.5	1,305.1	1,311.7	1,318.4	1,325.0	1,331.6	1,338.3	1,344.9	1,351.5	1,358.1	1,364.8	1,371.4	1,378.0	1,384.6	1,391.3	1,388.3	1,453.9	1,439.0	1,499.4	1,544.8	1,572.9	1,583.0
C223	2,573.8	2,686.8	2,799.8	2,912.7	3,025.7	3,138.7	3,251.7	3,364.7	3,477.7	3,590.7	3,703.7	3,816.7	3,929.6	4,042.6	4,155.6	4,268.6	4,381.6	4,494.6	4,607.6	4,720.6	4,833.6	4,946.5	5,059.5	5,172.5	5,285.5	5,398.5	5,511.5	5,624.5	5,737.5	5,850.4	5,963.4	6,076.4	6,189.4	6,302.4	6,415.4	6,528.4	6,641.4	6,754.4	6,867.3	6,980.3	7,093.3	7,444.2	7,811.7	8,039.2	8,747.1	9,440.8	10,102.1	10,722.9
C224	507.3	533.0	558.7	584.4	610.2	635.9	661.6	687.3	713.0	738.8	764.5	790.2	815.9	841.6	867.3	893.1	918.8	944.5	970.2	995.9	1,021.7	1,047.4	1,073.1	1,098.8	1,124.5	1,150.3	1,176.0	1,201.7	1,227.4	1,253.1	1,278.9	1,304.6	1,330.3	1,356.0	1,381.7	1,407.5	1,433.2	1,458.9	1,484.6	1,510.3	1,536.0	1,617.8	1,697.9	1,752.0	1,911.6	2,069.1	2,220.5	2,363.9
C225	7,869.4	8,228.4	8,587.3	8,946.3	9,305.2	9,664.2	10,023.1	10,382.1	10,741.0	11,100.0	11,458.9	11,817.9	12,176.8	12,535.8	12,894.7	13,253.7	13,612.6	13,971.5	14,330.5	14,689.4	15,048.4	15,407.3	15,766.3	16,125.2	16,484.2	16,843.1	17,202.1	17,561.0	17,920.0	18,278.9	18,637.9	18,996.8	19,355.8	19,714.7	20,073.7	20,432.6	20,791.6	21,150.5	21,509.5	21,868.4	22,227.4	23,696.3	23,886.7	25,367.8	27,553.3	29,744.7	31,897.5	33,647.7
C226	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C227	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.7	2.8	2.8	3.1	3.3	3.5	3.6
C228	2,888.7	3,035.2	3,181.6	3,328.1	3,474.5	3,621.0	3,767.4	3,913.9	4,060.3	4,206.8	4,353.2	4,499.7	4,646.1	4,792.6	4,939.0	5,085.5	5,231.9	5,378.4	5,524.8	5,671.3	5,817.7	5,964.2	6,110.6	6,257.1	6,403.5	6,550.0	6,696.4	6,842.9	6,989.3	7,135.8	7,282.2	7,428.7	7,575.1	7,721.6	7,868.0	8,014.5	8,160.9	8,307.4	8,453.8	8,600.3	8,746.7	9,212.4	9,668.4	9,976.2	10,885.2	11,782.2	12,644.2	13,460.9
C229	4,332.8	4,545.7	4,758.7	4,971.6	5,184.5	5,397.5	5,610.4	5,823.4	6,036.3	6,249.3	6,462.2	6,675.1	6,888.1	7,101.0	7,314.0	7,526.9	7,739.9	7,952.8	8,165.7	8,378.7	8,591.6	8,804.6	9,017.5	9,230.5	9,443.4	9,656.3	9,869.3	10,082.2	10,295.2	10,508.1	10,721.1	10,934.0	11,146.9	11,359.9	11,572.8	11,785.8	11,998.7	12,211.7	12,424.6	12,637.5	12,850.5	13,524.4	14,193.4	14,637.2	15,961.4	17,266.3	18,518.3	19,702.0
C230	164.7	173.0	181.4	189.7	198.1	206.4	214.8	223.1	231.5	239.8	248.2	256.5	264.9	273.2	281.5	289.9	298.2	306.6	314.9	323.3	331.6	340.0	348.3	356.7	365.0	373.4	381.7	390.1	398.4	406.8	415.1	423.5	431.8	440.2	448.5	456.9	465.2	473.5	481.9	490.2	498.6	525.1	551.1	568.7	620.5	671.6	720.8	767.3
C231	450.4	473.3	496.1	518.9	541.8	564.6	587.4	610.3	633.1	655.9	678.8	701.6	724.4	747.3	770.1	792.9	815.8	838.6	861.4	884.3	907.1	929.9	952.8	975.6	998.4	1,021.3	1,044.1	1,066.9	1,089.8	1,112.6	1,135.4	1,158.3	1,181.1	1,203.9	1,226.8	1,249.6	1,272.4	1,295.3	1,318.1	1,340.9	1,363.7	1,436.4	1,507.4	1,555.4	1,697.2	1,837.0	1,971.4	2,098.8
C232	500.6	520.2	539.8	559.5	579.1	598.7	618.3	637.9	657.6	677.2	696.8	716.4	736.1	755.7	775.3	794.9	814.6	834.2	853.8	873.4	893.0	912.7	932.3	951.9	971.5	991.2	1,010.8	1,030.4	1,050.0	1,069.7	1,089.3	1,108.9	1,128.5	1,148.1	1,167.8	1,187.4	1,207.0	1,226.6	1,246.3	1,265.9	1,285.5	1,343.2	1,409.4	1,450.5	1,576.6	1,697.1	1,809.4	1,910.1
C233	3,392.9	3,445.7	3,498.4	3,551.2	3,603.9	3,656.7	3,709.5	3,762.2	3,815.0	3,867.8	3,920.5	3,973.3	4,026.0	4,078.8	4,131.6	4,184.3	4,237.1	4,289.9	4,342.6	4,395.4	4,448.1	4,500.9	4,553.7	4,606.4	4,659.2	4,712.0	4,764.7	4,817.5	4,870.2	4,923.0	4,975.8	5,028.5	5,081.3	5,134.0	5,186.8	5,239.6	5,292.3	5,345.1	5,397.9	5,450.6	5,503.4	5,622.2	5,877.0	5,923.4	6,301.8	6,636.3	6,923.2	7,149.3
C234	788.8	811.1	833.4	855.7	878.1	900.4	922.7	945.0	967.3	989.7	1,012.0	1,034.3	1,056.6	1,078.9	1,101.3	1,123.6	1,145.9	1,168.2	1,190.5	1,212.9	1,235.2	1,257.5	1,279.8	1,302.1	1,324.5	1,346.8	1,369.1	1,391.4	1,413.7	1,436.1	1,458.4	1,480.7	1,503.0	1,525.3	1,547.6	1,570.0	1,592.3	1,614.6	1,636.9	1,659.2	1,681.6	1,749.7	1,820.8	1,863.6	2,014.1	2,154.0	2,280.5	2,388.0
C235	1,655.9	1,681.6	1,707.4	1,733.1	1,758.9	1,784.6	1,810.4	1,836.1	1,861.9	1,887.6	1,913.4	1,939.1	1,964.9	1,990.6	2,016.4	2,042.1	2,067.9	2,093.6	2,119.3	2,145.1	2,170.8	2,196.6	2,222.3	2,248.1	2,273.8	2,299.6	2,325.3	2,351.1	2,376.8	2,402.6	2,428.3	2,454.1	2,479.8	2,505.6	2,531.3	2,557.1	2,582.8	2,608.6	2,634.3	2,660.1	2,685.8	2,743.8	2,868.2	2,890.8	3,075.5	3,238.7	3,378.8	3,489.1
C236	2,172.0	2,205.8	2,239.5	2,273.3	2,307.1	2,340.9	2,374.6	2,408.4	2,442.2	2,476.0	2,509.7	2,543.5	2,577.3	2,611.1	2,644.8	2,678.6	2,712.4	2,746.1	2,779.9	2,813.7	2,847.5	2,881.2	2,915.0	2,948.8	2,982.6	3,016.3	3,050.1	3,083.9	3,117.6	3,151.4	3,185.2	3,219.0	3,252.7	3,286.5	3,320.3	3,354.1	3,387.8	3,421.6	3,455.4	3,489.2	3,522.9	3,599.0	3,762.1	3,791.7	4,034.0	4,248.1	4,431.7	4,576.5
C237	168.1	174.4	180.8	187.1	193.4	199.8	206.1	212.4	218.7	225.1	231.4	237.7	244.1	250.4	256.7	263.0	269.4	275.7	282.0	288.3	294.7	301.0	307.3	313.7	320.0	326.3	332.6	339.0	345.3	351.6	358.0	364.3	370.6	376.9	383.3	389.6	395.9	402.3	408.6	414.9	421.2	442.4	458.9	473.1	515.3	554.3	590.3	623.0
C238	1,739.6	1,788.8	1,838.0	1,887.3	1,936.5	1,985.8	2,035.0	2,084.2	2,133.5	2,182.7	2,231.9	2,281.2	2,330.4	2,379.6	2,428.9	2,478.1	2,527.4	2,576.6	2,625.8	2,675.1	2,724.3	2,773.5	2,822.8	2,872.0	2,921.2	2,970.5	3,019.7	3,069.0	3,118.2	3,167.4	3,216.7	3,265.9	3,315.1	3,364.4	3,413.6	3,462.8	3,512.1	3,561.3	3,610.5	3,659.8	3,709.0	3,859.4	4,016.1	4,110.6	4,442.6	4,751.3	5,030.3	5,267.4
C239	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C240	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C241	1,811.5	1,903.4	1,995.2	2,087.0	2,178.9	2,270.7	2,362.5	2,454.4	2,546.2	2,638.0	2,729.9	2,821.7	2,913.5	3,005.4	3,097.2	3,189.0	3,280.9	3,372.7	3,464.6	3,556.4	3,648.2	3,740.1	3,831.9	3,923.7	4,015.6	4,107.4	4,199.2	4,291.1	4,382.9	4,474.7	4,566.6	4,658.4	4,750.2	4,842.1	4,933.9	5,025.7	5,117.6	5,209.4	5,301.2	5,393.1	5,484.9	5,776.9	6,062.8	6,255.9	6,825.9	7,388.3	7,928.9	8,441.0
C242	585.4	607.5	629.5	651.6	673.6	695.6	717.7	739.7	761.7	783.8	805.8	827.9	849.9	871.9	894.0	916.0	938.0	960.1	982.1	1,004.2	1,026.2	1,048.2	1,070.3	1,092.3	1,114.3	1,136.4	1,158.4	1,180.5	1,202.5	1,224.5	1,246.6	1,268.6	1,290.6	1,312.7	1,334.7	1,356.8	1,378.8	1,400.8	1,422.9	1,444.9	1,466.9	1,540.5	1,598.3	1,647.6	1,794.5	1,930.5	2,055.8	2,169.6

Source: JICA Survey Team

Table DBH-98 Estimated Sub-Basin-wise Municipal and Industrial Water Demand (GW) [WRR-V] (m^3/day)

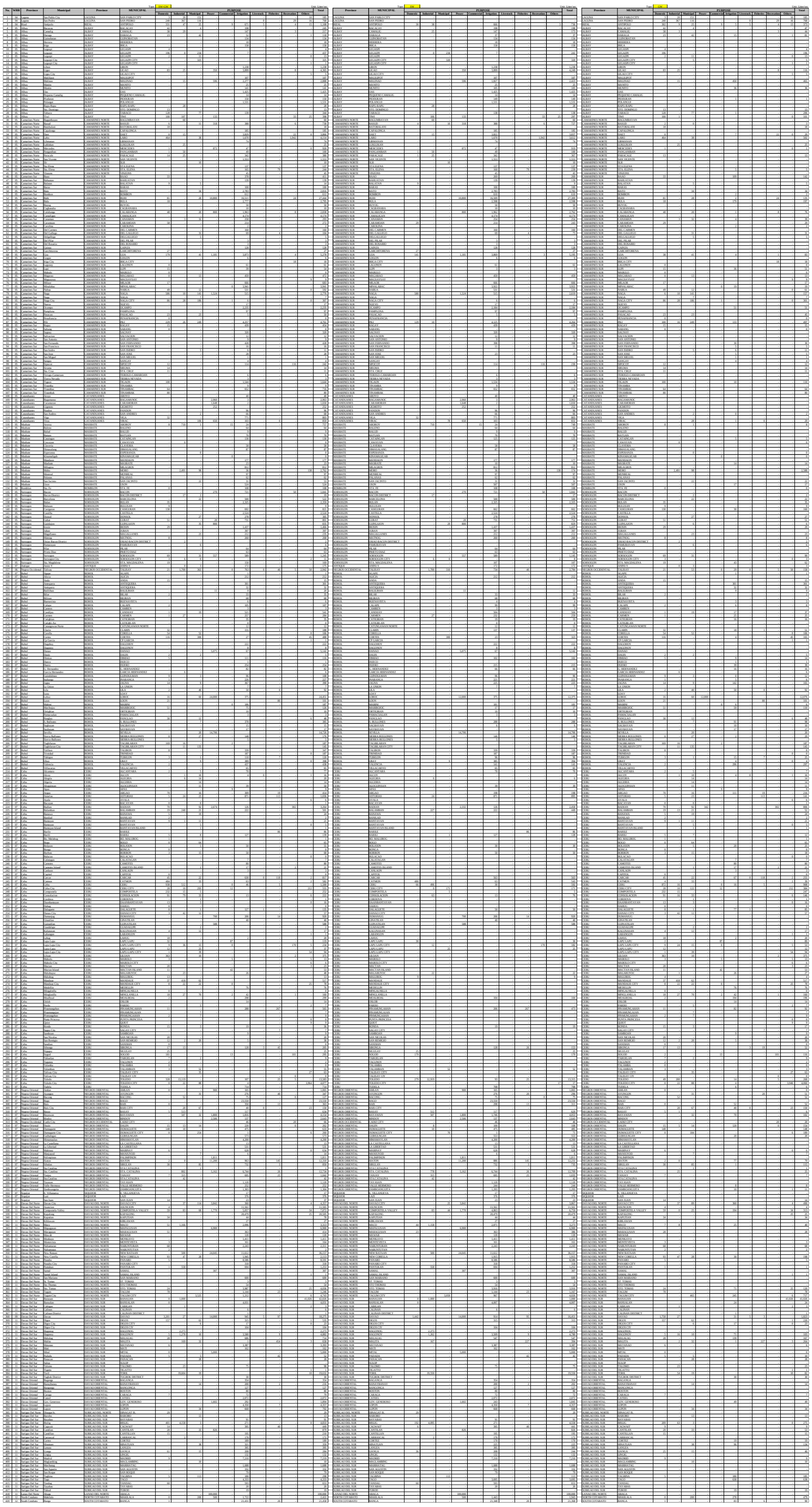
Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	2.7	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.4	3.4	3.5	3.6	3.7	3.7
C1	221.2	227.5	233.7	240.0	246.2	252.5	258.8	265.0	271.3	277.5	283.8	290.1	296.3	302.6	308.8	315.1	321.4	327.6	333.9	340.1	346.4	352.7	358.9	365.2	371.4	377.7	384.0	390.2	396.5	402.7	409.0	415.3	421.5	427.8	434.0	440.3	446.6	452.8	459.1	465.4	471.6	490.7	510.7	522.7	564.9	604.1	639.6	669.8
C2	119.3	122.7	126.1	129.5	132.8	136.2	139.6	143.0	146.3	149.7	153.1	156.5	159.9	163.2	166.6	170.0	173.4	176.7	180.1	183.5	186.9	190.2	193.6	197.0	200.4	203.8	207.1	210.5	213.9	217.3	220.6	224.0	227.4	230.8	234.1	237.5	240.9	244.3	247.7	251.0	254.4	264.7	275.5	282.0	304.7	325.9	345.0	361.3
C3	54.6	59.0	63.5	67.9	72.3	76.7	81.1	85.6	90.0	94.4	98.8	103.3	107.7	112.1	116.5	121.0	125.4	129.8	134.2	138.6	143.1	147.5	151.9	156.3	160.8	165.2	169.6	174.0	178.5	182.9	187.3	191.7	196.2	200.6	205.0	209.4	213.8	218.3	222.7	227.1	231.5	249.1	257.7	267.8	294.4	321.6	349.0	376.7
C4	1,489.2	1,512.3	1,535.5	1,558.7	1,581.8	1,605.0	1,628.1	1,651.3	1,674.4	1,697.6	1,720.7	1,743.9	1,767.0	1,790.2	1,813.3	1,836.5	1,859.6	1,882.8	1,905.9	1,929.1	1,952.3	1,975.4	1,998.6	2,021.7	2,044.9	2,068.0	2,091.2	2,114.3	2,137.5	2,160.6	2,183.8	2,206.9	2,230.1	2,253.2	2,276.4	2,299.5	2,322.7	2,345.9	2,369.0	2,392.2	2,415.3	2,467.4	2,579.3	2,599.6	2,765.6	2,912.4	3,038.4	3,137.6
C5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C6	178.9	185.9	193.0	200.0	207.0	214.0	221.0	228.1	235.1	242.1	249.1	256.1	263.2	270.2	277.2	284.2	291.2	298.2	305.3	312.3	319.3	326.3	333.3	340.4	347.4	354.4	361.4	368.4	375.5	382.5	389.5	396.5	403.5	410.6	417.6	424.6	431.6	438.6	445.6	452.7	459.7	480.3	504.0	518.7	563.8	606.9	647.1	683.1
C7	1,026.8	1,067.1	1,107.4	1,147.6	1,187.9	1,228.2	1,268.4	1,308.7	1,348.9	1,389.2	1,429.5	1,469.7	1,510.0	1,550.2	1,590.5	1,630.8	1,671.0	1,711.3	1,751.6	1,791.8	1,832.1	1,872.3	1,912.6	1,952.9	1,993.1	2,033.4	2,073.6	2,113.9	2,154.2	2,194.4	2,234.7	2,275.0	2,315.2	2,355.5	2,395.7	2,436.0	2,476.3	2,516.5	2,556.8	2,597.0	2,637.3	2,755.7	2,891.4	2,975.9	3,234.6	3,481.8	3,712.3	3,918.7
C8	1,335.8	1,388.2	1,440.6	1,492.9	1,545.3	1,597.7	1,650.1	1,702.4	1,754.8	1,807.2	1,859.6	1,911.9	1,964.3	2,016.7	2,069.1	2,121.4	2,173.8	2,226.2	2,278.6	2,330.9	2,383.3	2,435.7	2,488.1	2,540.4	2,592.8	2,645.2	2,697.6	2,749.9	2,802.3	2,854.7	2,907.1	2,959.4	3,011.8	3,064.2	3,116.6	3,168.9	3,221.3	3,273.7	3,326.1	3,378.4	3,430.8	3,584.9	3,761.4	3,871.2	4,207.8	4,529.4	4,829.2	5,097.8
C9	335.0	348.1	361.3	374.4	387.5	400.7	413.8	427.0	440.1	453.2	466.4	479.5	492.6	505.8	518.9	532.0	545.2	558.3	571.4	584.6	597.7	610.8	624.0	637.1	650.2	663.4	676.5	689.6	702.8	715.9	729.0	742.2	755.3	768.5	781.6	794.7	807.9	821.0	834.1	847.3	860.4	899.0	943.3	970.8	1,055.2	1,135.9	1,211.1	1,278.4
C10	251.2	261.0	270.9	280.7	290.6	300.4	310.3	320.1	329.9	339.8	349.6	359.5	369.3	379.2	389.0	398.9	408.7	418.6	428.4	438.3	448.1	458.0	467.8	477.7	487.5	497.4	507.2	517.0	526.9	536.7	546.6	556.4	566.3	576.1	586.0	595.8	605.7	615.5	625.4	635.2	645.1	674.0	707.2	727.9	791.1	851.6	908.0	958.5
C11	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.7	1.7	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0	2.1	2.1	2.1	2.2	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.6	2.7	2.8	3.0	3.2	3.5	3.6
C12	678.6	679.5	680.3	681.2	682.0	682.9	683.7	684.6	685.4	686.2	687.1	687.9	688.8	689.6	690.5	691.3	692.2	693.0	693.9	694.7	695.6	696.4	697.2	698.1	698.9	699.8	700.6	701.5	702.3	703.2	704.0	704.9	705.7	706.6	707.4	708.2	709.1	709.9	710.8	711.6	712.5	796.1	707.6	669.8	656.5	706.2	752.1	793.8
C13	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.3	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.6	1.6	1.6	1.6	1.7	1.7	1.7	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.1	2.2	2.4	2.5	2.7	2.9
C14	276.3	298.6	321.0	343.4	365.8	388.2	410.6	433.0	455.4	477.8	500.2	522.6	545.0	567.4	589.7	612.1	634.5	656.9	679.3	701.7	724.1	746.5	768.9	791.3	813.7	836.1	858.5	880.8	903.2	925.6	948.0	970.4	992.8	1,015.2	1,037.6	1,060.0	1,082.4	1,104.8	1,127.2	1,149.6	1,171.9	1,260.9	1,304.2	1,355.3	1,490.0	1,627.9	1,766.4	1,906.8
C15	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C16	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C17	35.9	37.5	39.1	40.6	42.2	43.8	45.3	46.9	48.4	50.0	51.6	53.1	54.7	56.3	57.8	59.4	61.0	62.5	64.1	65.7	67.2	68.8	70.3	71.9	73.5	75.0	76.6	78.2	79.7	81.3	82.9	84.4	86.0	87.6	89.1	90.7	92.2	93.8	95.4	96.9	98.5	104.9	105.5	112.3	121.8	131.4	140.7	148.1
C18	35.9	37.5	39.0	40.6	42.2	43.7	45.3	46.8	48.4	50.0	51.5	53.1	54.7	56.2	57.8	59.4	60.9	62.5	64.0	65.6	67.2	68.7	70.3	71.9	73.4	75.0	76.5	78.1	79.7	81.2	82.8	84.4	85.9	87.5	89.1	90.6	92.2	93.7	95.3	96.9	98.4	104.8	105.4	112.2	121.7	131.3	140.6	148.0
C19	191.1	198.3	205.5	212.7	219.9	227.1	234.3	241.5	248.7	255.9	263.1	270.3	277.5	284.7	291.9	299.0	306.2	313.4	320.6	327.8	335.0	342.2	349.4	356.6	363.8	371.0	378.2	385.4	392.6	399.8	407.0	414.2	421.4	428.6	435.7	442.9	450.1	457.3	464.5	471.7	478.9	502.9	521.8	537.9	585.8	630.2	671.2	708.3
C20	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.3	7.6	7.8	8.5	9.1	9.7	10.3
C21	4.2	4.4	4.5	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	5.9	6.1	6.3	6.4	6.6	6.7	6.9	7.0	7.2	7.4	7.5	7.7	7.8	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.1	9.3	9.4	9.6	9.7	9.9	10.0	10.2	10.4	10.5	11.0	11.5	11.8	12.9	13.8	14.7	15.6
C22	11.9	12.3	12.8	13.2	13.7	14.1	14.6	15.0	15.5	15.9	16.3	16.8	17.2	17.7	18.1	18.6	19.0	19.5	19.9	20.4	20.8	21.3	21.7	22.2	22.6	23.1	23.5	23.9	24.4	24.8	25.3	25.7	26.2	26.6	27.1	27.5	28.0	28.4	28.9	29.3	29.8	31.3	32.4	33.4	36.4	39.2	41.7	44.0
C23	6.4	6.7	6.9	7.2	7.4	7.6	7.9	8.1	8.4	8.6	8.8	9.1	9.3	9.6	9.8	10.1	10.3	10.5	10.8	11.0	11.3	11.5	11.7	12.0	12.2	12.5	12.7	13.0	13.2	13.4	13.7	13.9	14.2	14.4	14.6	14.9	15.1	15.4	15.6	15.9	16.1	16.9	17.5	18.1	19.7	21.2	22.6	23.8
C24	13.5	14.0	14.5	15.0	15.5	16.0	16.5	17.0	17.6	18.1	18.6	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2	29.7	30.3	30.8	31.3	31.8	32.3	32.8	33.3	33.8	35.5	36.8	38.0	41.4	44.5	47.4	50.0
C25	8.0	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.3	10.6	10.9	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19.0	19.3	19.6	19.9	20.9	21.7	22.4	24.4	26.2	27.9	29.5
C26	477.3	477.9	478.5	479.0	479.6	480.2	480.8	481.4	482.0	482.6	483.2	483.8	484.4	485.0	485.6	486.2	486.8	487.4	488.0	488.6	489.2	489.8	490.4	490.9	491.5	492.1	492.7	493.3	493.9	494.5	495.1	495.7	496.3	496.9	497.5	498.1	498.7	499.3	499.9	500.5	501.1	559.9	497.7	471.0	461.7	496.7	528.9	558.2
C27	1,471.0	1,472.9	1,474.7	1,476.5	1,478.4	1,480.2	1,482.0	1,483.9	1,485.7	1,487.5	1,489.4	1,491.2	1,493.0	1,494.9	1,496.7	1,498.5	1,500.4	1,502.2	1,504.0	1,505.9	1,507.7	1,509.5	1,511.4	1,513.2	1,515.0	1,516.9	1,518.7	1,520.5	1,522.4	1,524.2	1,526.0	1,527.9	1,529.7	1,531.5	1,533.4	1,535.2	1,537.1	1,538.9	1,540.7	1,542.6	1,544.4	1,725.6	1,533.9	1,451.8	1,423.1	1,530.9	1,630.3	1,720.6
C28	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3	9.5	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.9	14.4	14.9	16.2	17.4	18.6	19.6
C29	25.7	26.7	27.7	28.6	29.6	30.6	31.5	32.5	33.5	34.4	35.4	36.4	37.4	38.3	39.3	40.3	41.2	42.2	43.2	44.1	45.1	46.1	47.0	48.0	49.0	49.9	50.9	51.9	52.8	53.8	54.8	55.8	56.7	57.7	58.7	59.6	60.6	61.6	62.5	63.5	64.5	67.7	70.2	72.4	78.9	84.8	90.4	95.4
C30	126.0	130.7	135.5	140.2	144.9	149.7	154.4	159.2	163.9	168.6	173.4	178.1	182.9	187.6	192.4	197.1	201.8	206.6	211.3	216.1	220.8	225.5	230.3	235.0	239.8	244.5	249.3	254.0	258.7	263.5	268.2	273.0	277.7	282.4	287.2	291.9	296.7	301.4	306.2	310.9	315.6	331.5	343.9	354.5	386.1	415.4	442.3	466.8
C31	16.3	16.9	17.5	18.1	18.7	19.3	19.9	20.6	21.2	21.8	22.4	23.0	23.6	24.2	24.8	25.5	26.1	26.7	27.3	27.9	28.5	29.1	29.7	30.4	31.0	31.6	32.2	32.8	33.4	34.0	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.6	40.2	40.8	42.8	44.4	45.8	49.9	53.7	57.1	60.3
C32	45.7	47.4	49.1	50.9	52.6	54.3	56.0	57.7	59.5	61.2	62.9	64.6	66.3	68.1	69.8	71.5	73.2	74.9	76.7	78.4	80.1	81.8	83.5	85.3	87.0	88.7	90.4	92.1	93.9	95.6	97.3	99.0	100.7	102.5	104.2	105.9	107.6	109.3	111.1	112.8	114.5	120.2	124.8	128.6	140.1	150.7	160.5	169.3
C33	7.4	7.7	8.0	8.3	8.6	8.8	9.1	9.4	9.7	10.0	10.2	10.5	10.8	11.1	11.4	11.6	11.9	12.2	12.5	12.8	13.0	13.3	13.6	13.9	14.2	14.4	14.7	15.0	15.3	15.5	15.8	16.1	16.4	16.7	16.9	17.2	17.5	17.8	18.1	18.3	18.6	19.6	20.3	20.9	22.8	24.5	26.1	27.6
C34	13.8	14.3	14.8	15.4	15.9	16.4	16.9	17.4	18.0	18.5	19.0	19.5	20.0	20.6	21.1	21.6	22.1	22.6	23.1	23.7	24.2	24.7	25.2	25.7	26.3	26.8	27.3	27.8	28.3	28.9	29.4	29.9	30.4	30.9	31.5	32.0	32.5	33.0	33.5	34.1	34.6	36.3	37.7	38.8	42.3	45.5	48.5	51.1
C35	383.0	397.4	411.8	426.2	440.7	455.1	469.5	483.9	498.3	512.7	527.2	541.6	556.0	570.4	584.8	599.3	613.7	628.1	642.5	656.9	671.4	685.8	700.2	714.6	729.0	743.5	757.9	772.3	786.7	801.1	815.6	830.0	844.4	858.8	873.2	887.6	902.1	916.5	930.9	945.3	959.7	1,007.9	1,045.7	1,078.0	1,174.1	1,263.0	1,345.0	1,419.5
C36	326.0	338.3	350.6	362.8	375.1	387.4	399.7	411.9	424.2	436.5	448.8	461.0	473.3	485.6	497.9	510.1	522.4	534.7	547.0	559.2	571.5	583.8	596.1	608.3	620.6	632.9	645.1	657.4	669.7	682.0	694.2	706.5	718.8	731.1	743.3	755.6	767.9	780.2	792.4	804.7	817.0	858.0	890.1	917.6	999.4	1,075.2	1,145.0	1,208.4
C37	9.4	9.7	10.1	10.4	10.8	11.1	11.5	11.8	12.2	12.6	12.9	13.3	13.6	14.0	14.3	14.7	15.0	15.4	15.7	16.1	16.4	16.8	17.1	17.5	17.8	18.2	18.6	18.9	19.3	19.6	20.0	20.3	20.7	21.0	21.4	21.7	22.1	22.4	22.8	23.1	23.5	24.7	25.6	26.4	28.7	30.9	32.9	34.7
C38	8.3	8.6	8.9	9.2	9.5	9.8	10.2	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.5	15.8	16.1	16.4	16.7	17.0	17.3	17.6	17.9	18.3	18.6	18.9	19.2	19.5	19.8	20.1	20.4	20.8	21.8	22.6	23.3	25.4	27.3	29.1	30.7
C39	2,230.1	2,317.5	2,404.9	2,492.4	2,579.8	2,667.3	2,754.7	2,842.1	2,929.6	3,017.0	3,104.4	3,191.9	3,279.3	3,366.8	3,454.2	3,541.6	3,629.1	3,716.5	3,803.9	3,891.4	3,978.8	4,066.3	4,153.7	4,241.1	4,328.6	4,416.0	4,503.4	4,590.9	4,678.3	4,765.8	4,853.2	4,940.6	5,028.1	5,115.5	5,203.0	5,290.4	5,377.8	5,465.3	5,552.7	5,640.1	5,727.6	5,984.8	6,279.5	6,462.8	7,024.8	7,561.7	8,062.1	8,510.5
C40	2,629.4	2,732.5	2,835.6	2,938.7	3,041.8	3,144.9	3,248.0	3,351.1	3,454.2	3,557.3	3,660.3	3,763.4	3,866.5	3,969.6	4,072.7	4,175.8	4,278.9	4,382.0	4,485.1	4,588.2	4,691.3	4,794.4	4,897.5	5,000.6	5,103.7	5,206.8	5,309.9	5,413.0	5,516.1	5,619.2	5,722.3	5,825.4	5,928.4	6,031.5	6,134.6	6,237.7	6,340.8	6,443.9	6,547.0	6,650.1	6,753.2	7,056.5	7,403.9	7,620.1	8,282.7	8,915.7	9,505.8	10,034.4
C41	55.9	60.4	64.9	69.5	74.0	78.5	83.0	87.6	92.1	96.6	101.2	105.7	110.2	114.7	119.3	123.8	128.3	132.9	137.4	141.9	146.4	151.0	155.5	160.0	164.6	169.1	173.6	178.1	182.7	187.2	191.7	196.3	200.8	205.3	209.8	214.4	218.9	223.4	228.0	232.5	237.0	255.0	263.8	274.1	301.3	329.2	357.2	385.6
C42	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.4	1.5	1.5	1.7	1.9	2.0	2.2
C43	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C44	942.5	969.2	995.9	1,022.6	1,049.2	1,075.9	1,102.6	1,129.3	1,156.0	1,182.6	1,209.3	1,236.0	1,262.7	1,289.3	1,316.0	1,342.7	1,369.4	1,396.0	1,422.7	1,449.4	1,476.1	1,502.8	1,529.4	1,556.1	1,582.8	1,609.5	1,636.1	1,662.8	1,689.5	1,716.2	1,742.8	1,769.5	1,796.2	1,822.9	1,849.5	1,876.2	1,902.9	1,929.6	1,956.3	1,982.9	2,009.6	2,091.1	2,176.0	2,227.2	2,407.1	2,574.3	2,725.5	2,854.0
C45	1,293.6	1,330.2	1,366.8	1,403.4	1,440.1	1,476.7	1,513.3	1,549.9	1,586.5	1,623.1	1,659.7	1,696.4	1,733.0	1,769.6	1,806.2	1,842.8	1,879.4	1,916.0	1,952.6	1,989.3	2,025.9	2,062.5	2,099.1	2,135.7	2,172.3	2,208.9	2,245.5	2,282.2	2,318.8	2,355.4	2,392.0	2,428.6	2,465.2	2,501.8	2,538.4	2,575.1	2,611.7	2,648.3	2,684.9	2,721.5	2,758.1	2,869.9	2,986.5	3,056.8	3,303.6	3,533.2	3,740.6	3,917.0
C46	331.8	341.2	350.6	360.0	369.4	378.8	388.2	397.5	406.9	416.3	425.7	435.1	444.5	453.9	463.3	472.7	482.1	491.5	500.8	510.2	519.6	529.0	538.4	547.8	557.2	566.6	576.0	585.4	594.8	604.2	613.5	622.9	632.3	641.7	651.1	660.5	669.9	679.3	688.7	698.1	707.5	736.1	766.0	784.1	847.4	906.3	959.5	1,004.7
C47	75.6	77.7	79.8	82.0	84.1	86.3	88.4	90.5	92.7	94.8	96.9	99.1	101.2	103.4	105.5	107.6	109.8	111.9	114.1	116.2	118.3	120.5	122.6	124.7	126.9	129.0	131.2	133.3	135.4	137.6	139.7	141.9	144.0	146.1	148.3	150.4	152.5	154.7	156.8	159.0	161.1	167.6	174.4	178.5	193.0	206.4	218.5	228.8
C48	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C49	408.0	424.0	440.0	456.0	472.0	488.0	504.0	520.0	536.0	551.9	567.9	583.9	599.9	615.9	631.9	647.9	663.9	679.9	695.9	711.9	727.9	743.9	759.9	775.9	791.9	807.9	823.9	839.9	855.9	871.9	887.9	903.9	919.9	935.9	951.9	967.9	983.9	999.9	1,015.9	1,031.9	1,047.9	1,094.9	1,148.8	1,182.4	1,285.2	1,383.4	1,475.0	1,557.0
C50	681.2	707.9	734.6	761.3	788.0	814.7	841.4	868.1	894.8	921.5	948.3	975.0	1,001.7	1,028.4	1,055.1	1,081.8	1,108.5	1,135.2	1,161.9	1,188.6	1,215.3	1,242.1	1,268.8	1,295.5	1,322.2	1,348.9	1,375.6	1,402.3	1,429.0	1,455.7	1,482.4	1,509.2	1,535.9	1,562.6	1,589.3	1,616.0	1,642.7	1,669.4	1,696.1	1,722.8	1,749.5	1,828.1	1,918.1	1,974.1	2,145.8	2,309.8	2,462.7	2,599.6
C51	328.6	341.5	354.3	367.2	380.1	393.0	405.9	418.8	431.7	444.5	457.4	470.3	483.2	496.1	509.0	521.8	534.7	547.6	560.5	573.4	586.3	599.1	612.0	624.9	637.8	650.7	663.6	676.4	689.3	702.2	715.1	728.0	740.9	753.7	766.6	779.5	792.4	805.3	818.2	831.0	843.9	881.8	925.2	952.3	1,035.1	1,114.2	1,187.9	1,254.0
C52	242.0	251.5	261.0	270.5	280.0	289.5	299.0	308.5	318.0	327.4	336.9	346.4	355.9	365.4	374.9	384.4	393.9	403.4	412.9	422.4	431.8	441.3	450.8	460.3	469.8	479.3	488.8	498.3	507.8	517.3	526.7	536.2	545.7	555.2	564.7	574.2	583.7	593.2	602.7	612.2	621.7	649.6	681.5	701.5	762.5	820.7	875.0	923.7
C53	1,763.0	1,832.1	1,901.3	1,970.4	2,039.5	2,108.7	2,177.8	2,246.9	2,316.1	2,385.2	2,454.3	2,523.5	2,592.6	2,661.7	2,730.9	2,800.0	2,869.1	2,938.3	3,007.4	3,076.5	3,145.6	3,214.8	3,283.9	3,353.0	3,422.2	3,491.3	3,560.4	3,629.6	3,698.7	3,767.8	3,837.0	3,906.1	3,975.2	4,044.4	4,113.5	4,182.6	4,251.8	4,320.9	4,390.0	4,459.2	4,528.3	4,731.6	4,964.6	5,109.6	5,553.9	5,978.4	6,374.1	6,728.6
C54	7.4	7.6	7.9	8.2	8.5	8.8	9.1	9.4	9.7	10.0	10.2	10.5	10.8	11.1	11.4	11.7	12.0	12.3	12.6	12.8	13.1	13.4	13.7	14.0	14.3	14.6	14.9	15.2	15.4	15.7	16.0	16.3	16.6	16.9	17.2	17.5	17.8	18.0	18.3	18.6	18.9	19.8	20.7	21.3	23.2	25.0	26.6	28.1
C55	1,547.4	1,608.0	1,668.7	1,729.4	1,790.0	1,850.7	1,911.4	1,972.1	2,032.7	2,093.4	2,154.1	2,214.7	2,275.4	2,336.1	2,396.8	2,457.4	2,518.1	2,578.8	2,639.4	2,700.1	2,760.8	2,821.4	2,882.1	2,942.8	3,003.5	3,064.1	3,124.8	3,185.5	3,246.1	3,306.8	3,367.5	3,428.1	3,488.8	3,549.5	3,610.2	3,670.8	3,731.5	3,792.2	3,852.8	3,913.5	3,974.2	4,152.7	4,357.1	4,484.3	4,874.2	5,246.8	5,594.1	5,905.2
C56	724.3	752.7	781.1	809.5	837.9	866.4	894.8	923.2	951.6	980.0	1,008.4	1,036.8	1,065.2	1,093.7	1,122.1	1,150.5	1,178.9	1,207.3	1,235.7	1,264.1	1,292.6	1,321.0	1,349.4	1,377.8	1,406.2	1,434.6	1,463.0	1,491.4	1,519.9	1,548.3	1,576.7	1,605.1	1,633.5	1,661.9	1,690.3	1,718.7	1,747.2	1,775.6	1,804.0	1,832.4	1,860.8	1,944.4	2,040.1	2,099.7	2,282.4	2,456.8	2,619.5	2,765.1
C57	1,571.2	1,632.8	1,694.4	1,756.1	1,817.7	1,879.3	1,941.0	2,002.6	2,064.2	2,125.8	2,187.5	2,249.1	2,310.7	2,372.4	2,434.0	2,495.6	2,557.2	2,618.9	2,680.5	2,742.1	2,803.8	2,865.4	2,927.0	2,988.6	3,050.3	3,111.9	3,173.5	3,235.2	3,296.8	3,358.4	3,420.1	3,481.7	3,543.3	3,604.9	3,666.6	3,728.2	3,789.8	3,851.5	3,913.1	3,974.7	4,036.3	4,217.6	4,425.3	4,554.6	4,950.7	5,329.0	5,681.9	5,997.8
C58	416.7	433.1	449.4	465.8	482.1	498.5	514.8	531.2	547.5	563.9	580.2	596.6	612.9	629.3	645.6	662.0	678.3	694.7	711.0	727.4	743.7	760.1	776.4	792.8	809.1	825.4	841.8	858.1	874.5	890.8	907.2	923.5	939.9	956.2	972.6	988.9	1,005.3	1,021.6	1,038.0	1,054.3	1,070.7	1,118.8	1,173.8	1,208.1	1,313.2	1,413.6	1,507.2	1,591.0
C59	3,903.2	4,056.2	4,209.2	4,362.3	4,515.3	4,668.3	4,821.4	4,974.4	5,127.5	5,280.5	5,433.5	5,586.6	5,739.6	5,892.6	6,045.7	6,198.7	6,351.8	6,504.8	6,657.8	6,810.9	6,963.9	7,116.9	7,270.0	7,423.0	7,576.1	7,729.1	7,882.1	8,035.2	8,188.2	8,341.2	8,494.3	8,647.3	8,800.4	8,953.4	9,106.4	9,259.5	9,412.5	9,565.5	9,718.6	9,871.6	10,024.7	10,474.8	10,990.6	11,311.5	12,295.0	13,234.7	14,110.7	14,895.4
C60	123.8	128.6	133.5	138.3	143.2	148.0	152.9	157.7	162.6	167.5	172.3	177.2	182.0	186.9	191.7	196.6	201.4	206.3	211.1	216.0	220.8	225.7	230.5	235.4	240.3	245.1	250.0	254.8	259.7	264.5	269.4	274.2	279.1	283.9	288.8	293.6	298.5	303.3	308.2	313.1	317.9	332.2	348.5	358.7	389.9	419.7	447.5	472.4
C61	1,285.5	1,334.7	1,383.8	1,433.0	1,482.2	1,531.4	1,580.6	1,629.8	1,679.0	1,728.2	1,777.4	1,826.6	1,875.7	1,924.9	1,974.1	2,023.3	2,072.5	2,121.7	2,170.9	2,220.1	2,269.3	2,318.5	2,367.6	2,416.8	2,466.0	2,515.2	2,564.4	2,613.6	2,662.8	2,712.0	2,761.2	2,810.4	2,859.5	2,908.7	2,957.9	3,007.1	3,056.3	3,105.5	3,154.7	3,203.9	3,253.1	3,397.2	3,564.1	3,666.3	3,983.1	4,285.3	4,566.6	4,818.1
C62	119.5	124.7	129.9	135.1	140.3	145.5	150.7	155.9	161.1	166.3	171.5	176.7	181.9	187.1	192.3	197.5	202.7	207.9	213.1	218.3	223.5	228.7	233.9	239.1	244.2	249.4	254.6	259.8	265.0	270.2	275.4	280.6	285.8	291.0	296.2	301.4	306.6	311.8	317.0	322.2	327.4	319.7	372.1	384.1	412.7	439.2	463.0	483.3
C63	1,107.7	1,127.0	1,146.3	1,165.6	1,184.9	1,204.2	1,223.5	1,242.8	1,262.1	1,281.4	1,300.8	1,320.1	1,339.4	1,358.7	1,378.0	1,397.3	1,416.6	1,435.9	1,455.2	1,474.5	1,493.8	1,513.1	1,532.4	1,551.7	1,571.0	1,590.3	1,609.7	1,629.0	1,648.3	1,667.6	1,686.9	1,706.2	1,725.5	1,744.8	1,764.1	1,783.4	1,802.7	1,822.0	1,841.3	1,860.6	1,879.9	1,899.9	2,027.5	2,049.4	2,180.3	2,296.0	2,395.3	2,473.5
C64	41.7	43.6	45.5	47.5	49.4	51.3	53.2	55.1	57.1	59.0	60.9	62.8	64.8	66.7	68.6	70.5	72.4	74.4	76.3	78.2	80.1	82.1	84.0	85.9	87.8	89.7	91.7	93.6	95.5	97.4	99.4	101.3	103.2	105.1	107.0	109.0	110.9	112.8	114.7	116.7	118.6	108.6	138.8	143.5	152.7	160.8	167.7	173.2
C65	19.8	20.5	21.3	22.0	22.8	23.5	24.3	25.0	25.8	26.5	27.3	28.1	28.8	29.6	30.3	31.1	31.8	32.6	33.3	34.1	34.8	35.6	36.4	37.1	37.9	38.6	39.4	40.1	40.9	41.6	42.4	43.1	43.9	44.7	45.4	46.2	46.9	47.7	48.4	49.2	49.9	46.6	57.6	59.3	63.1	66.5	69.3	71.6
C66	76.5	78.8	81.0	83.3	85.6	87.9	90.2	92.4	94.7	97.0	99.3	101.6	103.8	106.1	108.4	110.7	112.9	115.2	117.5	119.8	122.1	124.3	126.6	128.9	131.2	133.5	135.7	138.0	140.3	142.6	144.9	147.1	149.4	151.7	154.0	156.2	158.5	160.8	163.1	165.4	167.6	160.5	189.4	194.0	206.4	217.4	226.8	234.2
C67	1,279.4	1,300.0	1,320.5	1,341.0	1,361.6	1,382.1	1,402.7	1,423.2	1,443.7	1,464.3	1,484.8	1,505.3	1,525.9	1,546.4	1,567.0	1,587.5	1,608.0	1,628.6	1,649.1	1,669.7	1,690.2	1,710.7	1,731.3	1,751.8	1,772.3	1,792.9	1,813.4	1,834.0	1,854.5	1,875.0	1,895.6	1,916.1	1,936.7	1,957.2	1,977.7	1,998.3	2,018.8	2,039.4	2,059.9	2,080.4	2,101.0	2,139.9	2,249.8	2,269.3	2,414.3	2,542.4	2,652.3	2,739.0
C68	812.9	844.8	876.6	908.5	940.3	972.2	1,004.1	1,035.9	1,067.8	1,099.6	1,131.5	1,163.4	1,195.2	1,227.1	1,258.9	1,290.8	1,322.7	1,354.5	1,386.4	1,418.2	1,450.1	1,482.0	1,513.8	1,545.7	1,577.5	1,609.4	1,641.2	1,673.1	1,705.0	1,736.8	1,768.7	1,800.5	1,832.4	1,864.3	1,896.1	1,928.0	1,959.8	1,991.7	2,023.6	2,055.4	2,087.3	2,181.0	2,288.4	2,355.2	2,559.9	2,755.6	2,937.9	3,101.3
C69	509.4	529.4	549.4	569.3	589.3	609.3	629.3	649.2	669.2	689.2	709.2	729.1	749.1	769.1	789.1	809.0	829.0	849.0	869.0	888.9	908.9	928.9	948.9	968.8	988.8	1,008.8	1,028.8	1,048.7	1,068.7	1,088.7	1,108.7	1,128.6	1,148.6	1,168.6	1,188.6	1,208.5	1,228.5	1,248.5	1,268.5	1,288.4	1,308.4	1,367.2	1,434.5	1,476.4	1,604.7	1,727.4	1,841.7	1,944.1
C70	1,085.9	1,128.5	1,171.1	1,213.7	1,256.3	1,298.9	1,341.4	1,384.0	1,426.6	1,469.2	1,511.8	1,554.3	1,596.9	1,639.5	1,682.1	1,724.7	1,767.2	1,809.8	1,852.4	1,895.0	1,937.6	1,980.2	2,022.7	2,065.3	2,107.9	2,150.5	2,193.1	2,235.6	2,278.2	2,320.8	2,363.4	2,406.0	2,448.5	2,491.1	2,533.7	2,576.3	2,618.9	2,661.5	2,704.0	2,746.6	2,789.2	2,914.5	3,057.9	3,147.3	3,420.9	3,682.4	3,926.1	4,144.4
C71	2,997.7	3,044.3	3,090.9	3,137.5	3,184.1	3,230.7	3,277.3	3,324.0	3,370.6	3,417.2	3,463.8	3,510.4	3,557.0	3,603.6	3,650.3	3,696.9	3,743.5	3,790.1	3,836.7	3,883.3	3,929.9	3,976.6	4,023.2	4,069.8	4,116.4	4,163.0	4,209.6	4,256.2	4,302.9	4,349.5	4,396.1	4,442.7	4,489.3	4,535.9	4,582.5	4,629.2	4,675.8	4,722.4	4,769.0	4,815.6	4,862.2	4,967.2	5,192.3	5,233.2	5,567.6	5,863.1	6,116.6	6,316.4
C72	2,059.2	2,091.2	2,123.2	2,155.3	2,187.3	2,219.3	2,251.3	2,283.3	2,315.4	2,347.4	2,379.4	2,411.4	2,443.4	2,475.5	2,507.5	2,539.5	2,571.5	2,603.5	2,635.6	2,667.6	2,699.6	2,731.6	2,763.7	2,795.7	2,827.7	2,859.7	2,891.7	2,923.8	2,955.8	2,987.8	3,019.8	3,051.8	3,083.9	3,115.9	3,147.9	3,179.9	3,211.9	3,244.0	3,276.0	3,308.0	3,340.0	3,412.1	3,566.8	3,594.9	3,824.5	4,027.6	4,201.7	4,338.9
C73	127.8	129.8	131.8	133.8	135.8	137.8	139.8	141.8	143.8	145.7	147.7	149.7	151.7	153.7	155.7	157.7	159.7	161.6	163.6	165.6	167.6	169.6	171.6	173.6	175.6	177.6	179.5	181.5	183.5	185.5	187.5	189.5	191.5	193.5	195.4	197.4	199.4	201.4	203.4	205.4	207.4	211.8	221.5	223.2	237.5	250.1	260.9	269.4
C74	2,218.2	2,252.7	2,287.2	2,321.7	2,356.2	2,390.7	2,425.2	2,459.7	2,494.2	2,528.6	2,563.1	2,597.6	2,632.1	2,666.6	2,701.1	2,735.6	2,770.1	2,804.5	2,839.0	2,873.5	2,908.0	2,942.5	2,977.0	3,011.5	3,046.0	3,080.4	3,114.9	3,149.4	3,183.9	3,218.4	3,252.9	3,287.4	3,321.9	3,356.4	3,390.8	3,425.3	3,459.8	3,494.3	3,528.8	3,563.3	3,597.8	3,675.4	3,842.1	3,872.2	4,119.6	4,338.3	4,525.8	4,673.6
C75	77.0	78.2	79.4	80.6	81.9	83.1	84.3	85.5	86.8	88.0	89.2	90.4	91.7	92.9	94.1	95.3	96.5	97.8	99.0	100.2	101.4	102.7	103.9	105.1	106.3	107.6	108.8	110.0	111.2	112.4	113.7	114.9	116.1	117.3	118.6	119.8	121.0	122.2	123.4	124.7	125.9	128.7	134.5	135.6	144.4	152.1	158.8	164.1
C76	306.4	311.1	315.9	320.7	325.4	330.2	335.0	339.7	344.5	349.3	354.0	358.8	363.5	368.3	373.1	377.8	382.6	387.4	392.1	396.9	401.7	406.4	411.2	416.0	420.7	425.5	430.3	435.0	439.8	444.5	449.3	454.1	458.8	463.6	468.4	473.1	477.9	482.7	487.4	492.2	497.0	507.7	530.7	534.9	569.1	599.3	625.2	645.6
C77	1,197.1	1,231.0	1,264.9	1,298.7	1,332.6	1,366.5	1,400.4	1,434.3	1,468.2	1,502.0	1,535.9	1,569.8	1,603.7	1,637.6	1,671.4	1,705.3	1,739.2	1,773.1	1,807.0	1,840.8	1,874.7	1,908.6	1,942.5	1,976.4	2,010.3	2,044.1	2,078.0	2,111.9	2,145.8	2,179.7	2,213.5	2,247.4	2,281.3	2,315.2	2,349.1	2,382.9	2,416.8	2,450.7	2,484.6	2,518.5	2,552.3	2,655.8	2,763.6	2,828.7	3,057.1	3,269.6	3,461.5	3,624.7
C78	1,068.8	1,099.1	1,129.3	1,159.6	1,189.8	1,220.1	1,250.3	1,280.6	1,310.8	1,341.1	1,371.3	1,401.6	1,431.8	1,462.1	1,492.3	1,522.6	1,552.8	1,583.1	1,613.3	1,643.6	1,673.8	1,704.1	1,734.3	1,764.6	1,794.8	1,825.1	1,855.3	1,885.6	1,915.8	1,946.1	1,976.3	2,006.6	2,036.8	2,067.1	2,097.3	2,127.6	2,157.8	2,188.1	2,218.3	2,248.6	2,278.8	2,371.2	2,467.5	2,525.6	2,729.5	2,919.2	3,090.5	3,236.3
C79	712.4	723.5	734.6	745.7	756.8	767.9	779.1	790.2	801.3	812.4	823.5	834.6	845.7	856.8	867.9	879.0	890.1	901.2	912.3	923.4	934.5	945.6	956.8	967.9	979.0	990.1	1,001.2	1,012.3	1,023.4	1,034.5	1,045.6	1,056.7	1,067.8	1,078.9	1,090.0	1,101.1	1,112.2	1,123.4	1,134.5	1,145.6	1,156.7	1,181.7	1,235.3	1,245.1	1,324.7	1,395.1	1,455.5	1,503.2
C80	27.1	27.6	28.0	28.4	28.8	29.2	29.7	30.1	30.5	30.9	31.4	31.8	32.2	32.6	33.0	33.5	33.9	34.3	34.7	35.2	35.6	36.0	36.4	36.8	37.3	37.7	38.1	38.5	38.9	39.4	39.8	40.2	40.6	41.1	41.5	41.9	42.3	42.7	43.2	43.6	44.0	45.0	47.0	47.4	50.4	53.1	55.4	57.2
C81	206.7	209.9	213.1	216.3	219.5	222.7	226.0	229.2	232.4	235.6	238.8	242.0	245.2	248.4	251.7	254.9	258.1	261.3	264.5	267.7	270.9	274.2	277.4	280.6	283.8	287.0	290.2	293.4	296.7	299.9	303.1	306.3	309.5	312.7	315.9	319.2	322.4	325.6	328.8	332.0	335.2	342.5	358.0	360.8	383.8	404.2	421.7	435.5
C82	36.0	37.0	38.1	39.1	40.1	41.1	42.1	43.1	44.2	45.2	46.2	47.2	48.2	49.3	50.3	51.3	52.3	53.3	54.4	55.4	56.4	57.4	58.4	59.5	60.5	61.5	62.5	63.5	64.5	65.6	66.6	67.6	68.6	69.6	70.7	71.7	72.7	73.7	74.7	75.8	76.8	79.9	83.1	85.1	92.0	98.4	104.1	109.0
C83	56.9	57.8	58.6	59.5	60.4	61.3	62.2	63.1	63.9	64.8	65.7	66.6	67.5	68.4	69.2	70.1	71.0	71.9	72.8	73.7	74.6	75.4	76.3	77.2	78.1	79.0	79.9	80.7	81.6	82.5	83.4	84.3	85.2	86.0	86.9	87.8	88.7	89.6	90.5	91.4	92.2	94.2	98.5	99.3	105.6	111.2	116.0	119.8
C84	1,584.6	1,609.2	1,633.9	1,658.5	1,683.2	1,707.8	1,732.4	1,757.1	1,781.7	1,806.4	1,831.0	1,855.7	1,880.3	1,904.9	1,929.6	1,954.2	1,978.9	2,003.5	2,028.1	2,052.8	2,077.4	2,102.1	2,126.7	2,151.3	2,176.0	2,200.6	2,225.3	2,249.9	2,274.5	2,299.2	2,323.8	2,348.5	2,373.1	2,397.8	2,422.4	2,447.0	2,471.7	2,496.3	2,521.0	2,545.6	2,570.2	2,625.7	2,744.7	2,766.3	2,943.1	3,099.3	3,233.3	3,338.9
C85	67.2	68.5	69.8	71.1	72.4	73.7	75.0	76.3	77.6	78.9	80.2	81.5	82.8	84.1	85.4	86.7	88.0	89.3	90.7	92.0	93.3	94.6	95.9	97.2	98.5	99.8	101.1	102.4	103.7	105.0	106.3	107.6	108.9	110.2	111.5	112.8	114.1	115.4	116.7	118.0	119.3	122.7	128.0	129.8	138.9	147.1	154.3	160.2
C86	941.8	968.4	995.1	1,021.7	1,048.4	1,075.1	1,101.7	1,128.4	1,155.0	1,181.7	1,208.3	1,235.0	1,261.6	1,288.3	1,314.9	1,341.6	1,368.2	1,394.9	1,421.6	1,448.2	1,474.9	1,501.5	1,528.2	1,554.8	1,581.5	1,608.1	1,634.8	1,661.4	1,688.1	1,714.7	1,741.4	1,768.1	1,794.7	1,821.4	1,848.0	1,874.7	1,901.3	1,928.0	1,954.6	1,981.3	2,007.9	2,089.3	2,174.2	2,225.4	2,405.1	2,572.1	2,723.2	2,851.6
C87	74.9	77.0	79.1	81.3	83.4	85.5	87.6	89.7	91.9	94.0	96.1	98.2	100.3	102.5	104.6	106.7	108.8	110.9	113.1	115.2	117.3	119.4	121.5	123.7	125.8	127.9	130.0	132.1	134.3	136.4	138.5	140.6	142.7	144.9	147.0	149.1	151.2	153.3	155.5	157.6	159.7	166.2	172.9	177.0	191.3	204.6	216.6	226.8
C88	62.6	64.4	66.2	67.9	69.7	71.5	73.2	75.0	76.8	78.6	80.3	82.1	83.9	85.6	87.4	89.2	91.0	92.7	94.5	96.3	98.0	99.8	101.6	103.4	105.1	106.9	108.7	110.4	112.2	114.0	115.8	117.5	119.3	121.1	122.9	124.6	126.4	128.2	129.9	131.7	133.5	138.9	144.5	147.9	159.9	171.0	181.0	189.6
C89	530.5	545.6	560.6	575.6	590.7	605.7	620.8	635.8	650.8	665.9	680.9	696.0	711.0	726.0	741.1	756.1	771.2	786.2	801.2	816.3	831.3	846.4	861.4	876.5	891.5	906.5	921.6	936.6	951.7	966.7	981.7	996.8	1,011.8	1,026.9	1,041.9	1,056.9	1,072.0	1,087.0	1,102.1	1,117.1	1,132.1	1,178.1	1,225.8	1,254.8	1,356.3	1,450.6	1,535.8	1,608.2
C90	1,504.5	1,547.0	1,589.6	1,632.2	1,674.8	1,717.3	1,759.9	1,802.5	1,845.1	1,887.7	1,930.2	1,972.8	2,015.4	2,058.0	2,100.6	2,143.1	2,185.7	2,228.3	2,270.9	2,313.4	2,356.0	2,398.6	2,441.2	2,483.8	2,526.3	2,568.9	2,611.5	2,654.1	2,696.6	2,739.2	2,781.8	2,824.4	2,867.0	2,909.5	2,952.1	2,994.7	3,037.3	3,079.8	3,122.4	3,165.0	3,207.6	3,337.6	3,473.1	3,554.9	3,842.0	4,108.9	4,350.2	4,555.2
C91	4,055.0	4,118.0	4,181.1	4,244.1	4,307.2	4,370.2	4,433.3	4,496.3	4,559.4	4,622.5	4,685.5	4,748.6	4,811.6	4,874.7	4,937.7	5,000.8	5,063.8	5,126.9	5,189.9	5,253.0	5,316.1	5,379.1	5,442.2	5,505.2	5,568.3	5,631.3	5,694.4	5,757.4	5,820.5	5,883.6	5,946.6	6,009.7	6,072.7	6,135.8	6,198.8	6,261.9	6,324.9	6,388.0	6,451.1	6,514.1	6,577.2	6,719.1	7,023.7	7,079.0	7,531.3	7,931.1	8,273.9	8,544.2
C92	883.0	896.7	910.5	924.2	937.9	951.7	965.4	979.1	992.9	1,006.6	1,020.3	1,034.1	1,047.8	1,061.5	1,075.3	1,089.0	1,102.7	1,116.4	1,130.2	1,143.9	1,157.6	1,171.4	1,185.1	1,198.8	1,212.6	1,226.3	1,240.0	1,253.8	1,267.5	1,281.2	1,294.9	1,308.7	1,322.4	1,336.1	1,349.9	1,363.6	1,377.3	1,391.1	1,404.8	1,418.5	1,432.3	1,463.2	1,529.5	1,541.6	1,640.0	1,727.1	1,801.8	1,860.6
C93	1,124.3	1,156.1	1,187.9	1,219.8	1,251.6	1,283.4	1,315.2	1,347.0	1,378.8	1,410.7	1,442.5	1,474.3	1,506.1	1,537.9	1,569.8	1,601.6	1,633.4	1,665.2	1,697.0	1,728.9	1,760.7	1,792.5	1,824.3	1,856.1	1,888.0	1,919.8	1,951.6	1,983.4	2,015.2	2,047.1	2,078.9	2,110.7	2,142.5	2,174.3	2,206.1	2,238.0	2,269.8	2,301.6	2,333.4	2,365.2	2,397.1	2,494.2	2,595.5	2,656.6	2,871.1	3,070.6	3,250.9	3,404.2
C94	2,063.3	2,121.7	2,180.1	2,238.5	2,296.9	2,355.3	2,413.7	2,472.1	2,530.5	2,588.9	2,647.3	2,705.7	2,764.0	2,822.4	2,880.8	2,939.2	2,997.6	3,056.0	3,114.4	3,172.8	3,231.2	3,289.6	3,348.0	3,406.4	3,464.8	3,523.2	3,581.6	3,640.0	3,698.4	3,756.8	3,815.2	3,873.6	3,932.0	3,990.4	4,048.8	4,107.2	4,165.6	4,224.0	4,282.4	4,340.8	4,399.1	4,577.5	4,763.3	4,875.5	5,269.2	5,635.3	5,966.1	6,247.5
C95	395.4	407.4	419.3	431.3	443.3	455.2	467.2	479.1	491.1	503.1	515.0	527.0	538.9	550.9	562.9	574.8	586.8	598.7	610.7	622.7	634.6	646.6	658.6	670.5	682.5	694.4	706.4	718.4	730.3	742.3	754.2	766.2	778.2	790.1	802.1	814.0	826.0	838.0	849.9	861.9	873.9	912.4	944.8	969.9	1,055.2	1,128.5	1,194.8	1,251.1
C96	754.4	842.6	930.8	1,018.9	1,107.1	1,195.2	1,283.4	1,371.5	1,459.7	1,547.9	1,636.0	1,724.2	1,812.3	1,900.5	1,988.7	2,076.8	2,165.0	2,253.1	2,341.3	2,429.4	2,517.6	2,605.8	2,693.9	2,782.1	2,870.2	2,958.4	3,046.6	3,134.7	3,222.9	3,311.0	3,399.2	3,487.3	3,575.5	3,663.7	3,751.8	3,840.0	3,928.1	4,016.3	4,104.5	4,192.6	4,280.8	4,757.9	4,470.5	4,870.9	5,866.8	6,274.3	6,642.8	6,955.9
C97	291.8	300.0	308.3	316.5	324.8	333.1	341.3	349.6	357.8	366.1	374.3	382.6	390.9	399.1	407.4	415.6	423.9	432.1	440.4	448.7	456.9	465.2	473.4	481.7	489.9	498.2	506.5	514.7	523.0	531.2	539.5	547.7	556.0	564.3	572.5	580.8	589.0	597.3	605.6	613.8	622.1	647.3	673.6	689.4	745.1	796.9	843.7	883.4
C98	1,348.4	1,386.6	1,424.8	1,462.9	1,501.1	1,539.2	1,577.4	1,615.6	1,653.7	1,691.9	1,730.1	1,768.2	1,806.4	1,844.5	1,882.7	1,920.9	1,959.0	1,997.2	2,035.4	2,073.5	2,111.7	2,149.8	2,188.0	2,226.2	2,264.3	2,302.5	2,340.7	2,378.8	2,417.0	2,455.1	2,493.3	2,531.5	2,569.6	2,607.8	2,646.0	2,684.1	2,722.3	2,760.4	2,798.6	2,836.8	2,874.9	2,991.5	3,112.9	3,186.3	3,443.5	3,682.7	3,899.0	4,082.8
C99	908.8	934.5	960.2	985.9	1,011.7	1,037.4	1,063.1	1,088.8	1,114.6	1,140.3	1,166.0	1,191.7	1,217.5	1,243.2	1,268.9	1,294.6	1,320.4	1,346.1	1,371.8	1,397.5	1,423.3	1,449.0	1,474.7	1,500.5	1,526.2	1,551.9	1,577.6	1,603.4	1,629.1	1,654.8	1,680.5	1,706.3	1,732.0	1,757.7	1,783.4	1,809.2	1,834.9	1,860.6	1,886.3	1,912.1	1,937.8	2,016.4	2,098.2	2,147.6	2,321.1	2,482.4	2,628.1	2,752.0
C100	43.3	44.6	45.8	47.0	48.3	49.5	50.8	52.0	53.3	54.5	55.8	57.0	58.3	59.5	60.8	62.0	63.3	64.5	65.8	67.0	68.3	69.5	70.8	72.0	73.3	74.5	75.8	77.0	78.3	79.5	80.8	82.0	83.2	84.5	85.7	87.0	88.2	89.5	90.7	92.0	93.2	97.1	101.0	103.4	111.8	119.6	126.7	132.8
C101	579.2	595.6	612.0	628.4	644.7	661.1	677.5	693.9	710.3	726.7	743.1	759.5	775.9	792.3	808.7	825.1	841.5	857.8	874.2	890.6	907.0	923.4	939.8	956.2	972.6	989.0	1,005.4	1,021.8	1,038.2	1,054.6	1,070.9	1,087.3	1,103.7	1,120.1	1,136.5	1,152.9	1,169.3	1,185.7	1,202.1	1,218.5	1,234.9	1,284.9	1,337.1	1,368.6	1,479.1	1,581.9	1,674.7	1,753.7
C102	37.0	38.0	39.1	40.1	41.2	42.2	43.3	44.3	45.4	46.4	47.5	48.5	49.6	50.6	51.7	52.7	53.8	54.8	55.8	56.9	57.9	59.0	60.0	61.1	62.1	63.2	64.2	65.3	66.3	67.4	68.4	69.5	70.5	71.6	72.6	73.6	74.7	75.7	76.8	77.8	78.9	82.1	85.4	87.4	94.5	101.0	107.0	112.0
C103	2,434.5	2,503.4	2,572.3	2,641.2	2,710.1	2,779.0	2,847.9	2,916.8	2,985.7	3,054.6	3,123.5	3,192.4	3,261.3	3,330.2	3,399.1	3,468.0	3,536.9	3,605.8	3,674.7	3,743.6	3,812.5	3,881.4	3,950.3	4,019.2	4,088.1	4,157.0	4,225.9	4,294.8	4,363.7	4,432.7	4,501.6	4,570.5	4,639.4	4,708.3	4,777.2	4,846.1	4,915.0	4,983.9	5,052.8	5,121.7	5,190.6	5,401.0	5,620.3	5,752.6	6,217.1	6,649.1	7,039.5	7,371.4
C104	2,301.0	2,424.9	2,548.7	2,672.6	2,796.5	2,920.4	3,044.2	3,168.1	3,292.0	3,415.9	3,539.7	3,663.6	3,787.5	3,911.4	4,035.3	4,159.1	4,283.0	4,406.9	4,530.8	4,654.6	4,778.5	4,902.4	5,026.3	5,150.1	5,274.0	5,397.9	5,521.8	5,645.7	5,769.5	5,893.4	6,017.3	6,141.2	6,265.0	6,388.9	6,512.8	6,636.7	6,760.5	6,884.4	7,008.3	7,132.2	7,256.1	7,915.2	7,580.1	8,161.8	9,347.1	9,996.5	10,583.5	11,082.4
C105	852.4	1,006.2	1,160.0	1,313.8	1,467.6	1,621.4	1,775.3	1,929.1	2,082.9	2,236.7	2,390.5	2,544.3	2,698.2	2,852.0	3,005.8	3,159.6	3,313.4	3,467.2	3,621.1	3,774.9	3,928.7	4,082.5	4,236.3	4,390.1	4,544.0	4,697.8	4,851.6	5,005.4	5,159.2	5,313.0	5,466.8	5,620.7	5,774.5	5,928.3	6,082.1	6,235.9	6,389.7	6,543.6	6,697.4	6,851.2	7,005.0	7,811.2	7,355.6	8,003.3	9,821.8	10,504.2	11,121.0	11,645.3
C106	2,903.2	3,517.8	4,132.3	4,746.8	5,361.3	5,975.8	6,590.3	7,204.8	7,819.3	8,433.8	9,048.3	9,662.8	10,277.3	10,891.8	11,506.4	12,120.9	12,735.4	13,349.9	13,964.4	14,578.9	15,193.4	15,807.9	16,422.4	17,036.9	17,651.4	18,265.9	18,880.4	19,494.9	20,109.5	20,724.0	21,338.5	21,953.0	22,567.5	23,182.0	23,796.5	24,411.0	25,025.5	25,640.0	26,254.5	26,869.0	27,483.5	30,741.1	28,817.4	31,443.9	38,794.4	41,489.9	43,926.1	45,997.0
C107	2,974.0	3,108.1	3,242.1	3,376.2	3,510.3	3,644.4	3,778.4	3,912.5	4,046.6	4,180.7	4,314.7	4,448.8	4,582.9	4,717.0	4,851.1	4,985.1	5,119.2	5,253.3	5,387.4	5,521.4	5,655.5	5,789.6	5,923.7	6,057.7	6,191.8	6,325.9	6,460.0	6,594.1	6,728.1	6,862.2	6,996.3	7,130.4	7,264.4	7,398.5	7,532.6	7,666.7	7,800.7	7,934.8	8,068.9	8,203.0	8,337.1	8,876.0	8,939.0	9,332.1	10,536.7	11,268.8	11,930.5	12,492.9
C108	1,119.2	1,150.9	1,182.5	1,214.2	1,245.9	1,277.6	1,309.2	1,340.9	1,372.6	1,404.3	1,435.9	1,467.6	1,499.3	1,531.0	1,562.6	1,594.3	1,626.0	1,657.7	1,689.3	1,721.0	1,752.7	1,784.4	1,816.0	1,847.7	1,879.4	1,911.1	1,942.8	1,974.4	2,006.1	2,037.8	2,069.5	2,101.1	2,132.8	2,164.5	2,196.2	2,227.8	2,259.5	2,291.2	2,322.9	2,354.5	2,386.2	2,482.9	2,583.8	2,644.6	2,858.2	3,056.8	3,236.2	3,388.8
C109	5,475.4	5,630.3	5,785.3	5,940.2	6,095.2	6,250.1	6,405.1	6,560.0	6,715.0	6,869.9	7,024.9	7,179.8	7,334.8	7,489.7	7,644.7	7,799.6	7,954.6	8,109.5	8,264.5	8,419.4	8,574.4	8,729.4	8,884.3	9,039.3	9,194.2	9,349.2	9,504.1	9,659.1	9,814.0	9,969.0	10,123.9	10,278.9	10,433.8	10,588.8	10,743.7	10,898.7	11,053.6	11,208.6	11,363.5	11,518.5	11,673.4	12,146.7	12,639.7	12,937.4	13,982.1	14,953.5	15,831.5	16,577.9
C110	858.9	883.2	907.5	931.8	956.1	980.4	1,004.8	1,029.1	1,053.4	1,077.7	1,102.0	1,126.3	1,150.6	1,174.9	1,199.2	1,223.5	1,247.8	1,272.1	1,296.4	1,320.7	1,345.0	1,369.3	1,393.6	1,417.9	1,442.2	1,466.5	1,490.9	1,515.2	1,539.5	1,563.8	1,588.1	1,612.4	1,636.7	1,661.0	1,685.3	1,709.6	1,733.9	1,758.2	1,782.5	1,806.8	1,831.1	1,905.4	1,982.7	2,029.4	2,193.2	2,345.6	2,483.3	2,600.4
C111	47.3	48.0	48.7	49.5	50.2	50.9	51.7	52.4	53.1	53.9	54.6	55.3	56.1	56.8	57.5	58.3	59.0	59.7	60.5	61.2	61.9	62.7	63.4	64.1	64.9	65.6	66.4	67.1	67.8	68.6	69.3	70.0	70.8	71.5	72.2	73.0	73.7	74.4	75.2	75.9	76.6	78.3	81.8	82.5	87.8	92.4	96.4	99.6
C112	1,117.8	1,149.5	1,181.1	1,212.7	1,244.4	1,276.0	1,307.6	1,339.2	1,370.9	1,402.5	1,434.1	1,465.8	1,497.4	1,529.0	1,560.7	1,592.3	1,623.9	1,655.5	1,687.2	1,718.8	1,750.4	1,782.1	1,813.7	1,845.3	1,876.9	1,908.6	1,940.2	1,971.8	2,003.5	2,035.1	2,066.7	2,098.4	2,130.0	2,161.6	2,193.2	2,224.9	2,256.5	2,288.1	2,319.8	2,351.4	2,383.0	2,479.6	2,580.3	2,641.0	2,854.3	3,052.6	3,231.8	3,384.1
C113	1,985.9	2,042.2	2,098.4	2,154.6	2,210.8	2,267.0	2,323.2	2,379.4	2,435.6	2,491.8	2,548.0	2,604.2	2,660.4	2,716.6	2,772.8	2,829.0	2,885.2	2,941.4	2,997.6	3,053.8	3,110.0	3,166.2	3,222.4	3,278.6	3,334.8	3,391.0	3,447.3	3,503.5	3,559.7	3,615.9	3,672.1	3,728.3	3,784.5	3,840.7	3,896.9	3,953.1	4,009.3	4,065.5	4,121.7	4,177.9	4,234.1	4,405.8	4,584.6	4,692.6	5,071.5	5,423.8	5,742.3	6,013.0
C114	3,152.9	3,242.1	3,331.3	3,420.6	3,509.8	3,599.0	3,688.3	3,777.5	3,866.7	3,956.0	4,045.2	4,134.4	4,223.7	4,312.9	4,402.1	4,491.4	4,580.6	4,669.8	4,759.0	4,848.3	4,937.5	5,026.7	5,116.0	5,205.2	5,294.4	5,383.7	5,472.9	5,562.1	5,651.4	5,740.6	5,829.8	5,919.1	6,008.3	6,097.5	6,186.8	6,276.0	6,365.2	6,454.5	6,543.7	6,632.9	6,722.2	6,994.7	7,278.6	7,450.0	8,051.6	8,611.0	9,116.7	9,546.5
C115	4,019.6	4,879.1	5,738.6	6,598.2	7,457.7	8,317.2	9,176.8	10,036.3	10,895.8	11,755.4	12,614.9	13,474.4	14,334.0	15,193.5	16,053.0	16,912.6	17,772.1	18,631.6	19,491.2	20,350.7	21,210.2	22,069.7	22,929.3	23,788.8	24,648.3	25,507.9	26,367.4	27,226.9	28,086.5	28,946.0	29,805.5	30,665.1	31,524.6	32,384.1	33,243.7	34,103.2	34,962.7	35,822.3	36,681.8	37,541.3	38,400.9	42,972.0	40,245.4	43,939.1	54,227.2	57,994.9	61,400.3	64,294.9
C116	847.7	871.7	895.7	919.6	943.6	967.6	991.6	1,015.6	1,039.6	1,063.6	1,087.6	1,111.6	1,135.6	1,159.6	1,183.5	1,207.5	1,231.5	1,255.5	1,279.5	1,303.5	1,327.5	1,351.5	1,375.5	1,399.5	1,423.4	1,447.4	1,471.4	1,495.4	1,519.4	1,543.4	1,567.4	1,591.4	1,615.4	1,639.4	1,663.4	1,687.3	1,711.3	1,735.3	1,759.3	1,783.3	1,807.3	1,880.6	1,956.9	2,003.0	2,164.7	2,315.1	2,451.1	2,566.6
C117	669.3	688.3	707.2	726.1	745.1	764.0	783.0	801.9	820.8	839.8	858.7	877.7	896.6	915.5	934.5	953.4	972.3	991.3	1,010.2	1,029.2	1,048.1	1,067.0	1,086.0	1,104.9	1,123.9	1,142.8	1,161.7	1,180.7	1,199.6	1,218.6	1,237.5	1,256.4	1,275.4	1,294.3	1,313.2	1,332.2	1,351.1	1,370.1	1,389.0	1,407.9	1,426.9	1,484.7	1,545.0	1,581.4	1,709.1	1,827.8	1,935.1	2,026.3
C118	759.0	782.0	805.0	827.9	850.9	873.9	896.9	919.9	942.9	965.9	988.8	1,011.8	1,034.8	1,057.8	1,080.8	1,103.8	1,126.8	1,149.7	1,172.7	1,195.7	1,218.7	1,241.7	1,264.7	1,287.7	1,310.6	1,333.6	1,356.6	1,379.6	1,402.6	1,425.6	1,448.6	1,471.5	1,494.5	1,517.5	1,540.5	1,563.5	1,586.5	1,609.4	1,632.4	1,655.4	1,678.4	1,749.0	1,821.9	1,866.7	2,019.9	2,163.4	2,294.4	2,407.8
C119	244.6	252.1	259.6	267.1	274.7	282.2	289.7	297.3	304.8	312.3	319.8	327.4	334.9	342.4	350.0	357.5	365.0	372.5	380.1	387.6	395.1	402.6	410.2	417.7	425.2	432.8	440.3	447.8	455.3	462.9	470.4	477.9	485.5	493.0	500.5	508.0	515.6	523.1	530.6	538.2	545.7	568.8	592.7	607.4	657.4	704.4	747.4	784.7
C120	1,442.3	1,483.4	1,524.5	1,565.7	1,606.8	1,648.0	1,689.1	1,730.2	1,771.4	1,812.5	1,853.7	1,894.8	1,935.9	1,977.1	2,018.2	2,059.3	2,100.5	2,141.6	2,182.8	2,223.9	2,265.0	2,306.2	2,347.3	2,388.5	2,429.6	2,470.7	2,511.9	2,553.0	2,594.1	2,635.3	2,676.4	2,717.6	2,758.7	2,799.8	2,841.0	2,882.1	2,923.3	2,964.4	3,005.5	3,046.7	3,087.8	3,214.2	3,342.9	3,422.8	3,702.0	3,959.2	4,191.7	4,389.3
C121	4.8	5.0	5.3	5.5	5.8	6.0	6.3	6.5	6.8	7.0	7.2	7.5	7.7	8.0	8.2	8.5	8.7	8.9	9.2	9.4	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.4	11.6	11.9	12.1	12.4	12.6	12.8	13.1	13.3	13.6	13.8	14.1	14.3	14.5	15.3	16.1	16.6	18.1	19.6	21.0	22.4
C122	245.6	252.6	259.5	266.5	273.4	280.4	287.3	294.3	301.2	308.2	315.1	322.1	329.0	336.0	342.9	349.9	356.8	363.8	370.7	377.7	384.6	391.6	398.5	405.5	412.4	419.4	426.3	433.3	440.2	447.2	454.1	461.1	468.0	475.0	481.9	488.9	495.8	502.8	509.8	516.7	523.7	544.9	567.0	580.4	627.2	670.8	710.2	743.7
C123	315.1	324.0	333.0	341.9	350.8	359.7	368.7	377.6	386.5	395.4	404.4	413.3	422.2	431.2	440.1	449.0	457.9	466.9	475.8	484.7	493.6	502.6	511.5	520.4	529.3	538.3	547.2	556.1	565.1	574.0	582.9	591.8	600.8	609.7	618.6	627.5	636.5	645.4	654.3	663.2	672.2	699.4	727.8	745.0	805.2	861.1	911.7	954.7
C124	729.2	749.9	770.5	791.1	811.8	832.4	853.0	873.7	894.3	914.9	935.6	956.2	976.9	997.5	1,018.1	1,038.8	1,059.4	1,080.0	1,100.7	1,121.3	1,141.9	1,162.6	1,183.2	1,203.8	1,224.5	1,245.1	1,265.7	1,286.4	1,307.0	1,327.6	1,348.3	1,368.9	1,389.6	1,410.2	1,430.8	1,451.5	1,472.1	1,492.7	1,513.4	1,534.0	1,554.6	1,617.7	1,683.3	1,723.0	1,862.1	1,991.4	2,108.4	2,207.8
C125	287.6	295.7	303.9	312.0	320.2	328.4	336.5	344.7	352.8	361.0	369.2	377.3	385.5	393.6	401.8	410.0	418.1	426.3	434.4	442.6	450.7	458.9	467.1	475.2	483.4	491.5	499.7	507.9	516.0	524.2	532.3	540.5	548.7	556.8	565.0	573.1	581.3	589.5	597.6	605.8	613.9	638.9	664.8	680.5	735.5	786.6	832.9	872.2
C126	3,257.6	3,349.8	3,442.0	3,534.2	3,626.4	3,718.6	3,810.8	3,903.0	3,995.2	4,087.4	4,179.6	4,271.8	4,364.0	4,456.2	4,548.4	4,640.6	4,732.8	4,825.0	4,917.2	5,009.4	5,101.6	5,193.8	5,286.0	5,378.2	5,470.4	5,562.6	5,654.8	5,747.0	5,839.2	5,931.4	6,023.6	6,115.8	6,208.0	6,300.2	6,392.4	6,484.6	6,576.8	6,669.0	6,761.2	6,853.4	6,945.6	7,227.1	7,520.6	7,697.7	8,319.2	8,897.3	9,419.7	9,863.8
C127	2,189.2	2,251.2	2,313.2	2,375.2	2,437.2	2,499.2	2,561.2	2,623.2	2,685.2	2,747.2	2,809.2	2,871.2	2,933.2	2,995.2	3,057.2	3,119.2	3,181.2	3,243.2	3,305.2	3,367.2	3,429.2	3,491.2	3,553.2	3,615.2	3,677.2	3,739.2	3,801.2	3,863.2	3,925.2	3,987.2	4,049.2	4,111.2	4,173.2	4,235.2	4,297.2	4,359.2	4,421.2	4,483.2	4,545.2	4,607.2	4,669.2	4,868.6	5,042.3	5,175.8	5,593.7	5,982.4	6,333.6	6,632.2
C128	1,599.9	1,624.7	1,649.6	1,674.5	1,699.4	1,724.2	1,749.1	1,774.0	1,798.8	1,823.7	1,848.6	1,873.4	1,898.3	1,923.2	1,948.1	1,972.9	1,997.8	2,022.7	2,047.5	2,072.4	2,097.3	2,122.2	2,147.0	2,171.9	2,196.8	2,221.6	2,246.5	2,271.4	2,296.2	2,321.1	2,346.0	2,370.9	2,395.7	2,420.6	2,445.5	2,470.3	2,495.2	2,520.1	2,544.9	2,569.8	2,594.7	2,650.7	2,770.9	2,792.6	2,971.0	3,128.7	3,263.9	3,370.6
C129	382.9	388.8	394.8	400.7	406.7	412.6	418.6	424.6	430.5	436.5	442.4	448.4	454.3	460.3	466.2	472.2	478.1	484.1	490.0	496.0	501.9	507.9	513.9	519.8	525.8	531.7	537.7	543.6	549.6	555.5	561.5	567.4	573.4	579.3	585.3	591.2	597.2	603.2	609.1	615.1	621.0	634.4	663.2	668.4	711.1	748.8	781.2	806.7
C130	2,302.4	2,338.2	2,374.0	2,409.8	2,445.6	2,481.4	2,517.2	2,553.0	2,588.8	2,624.6	2,660.4	2,696.2	2,732.0	2,767.8	2,803.6	2,839.4	2,875.2	2,911.0	2,946.8	2,982.6	3,018.5	3,054.3	3,090.1	3,125.9	3,161.7	3,197.5	3,233.3	3,269.1	3,304.9	3,340.7	3,376.5	3,412.3	3,448.1	3,483.9	3,519.7	3,555.5	3,591.3	3,627.1	3,662.9	3,698.7	3,734.5	3,815.1	3,988.1	4,019.4	4,276.2	4,503.2	4,697.9	4,851.4
C131	2,571.0	2,643.8	2,716.6	2,789.3	2,862.1	2,934.8	3,007.6	3,080.4	3,153.1	3,225.9	3,298.6	3,371.4	3,444.2	3,516.9	3,589.7	3,662.4	3,735.2	3,808.0	3,880.7	3,953.5	4,026.2	4,099.0	4,171.8	4,244.5	4,317.3	4,390.0	4,462.8	4,535.6	4,608.3	4,681.1	4,753.9	4,826.6	4,899.4	4,972.1	5,044.9	5,117.7	5,190.4	5,263.2	5,335.9	5,408.7	5,481.5	5,703.7	5,935.2	6,075.0	6,565.5	7,021.7	7,434.0	7,784.4
C132	101.4	104.3	107.2	110.0	112.9	115.8	118.6	121.5	124.4	127.3	130.1	133.0	135.9	138.7	141.6	144.5	147.4	150.2	153.1	156.0	158.8	161.7	164.6	167.4	170.3	173.2	176.1	178.9	181.8	184.7	187.5	190.4	193.3	196.2	199.0	201.9	204.8	207.6	210.5	213.4	216.3	225.0	234.2	239.7	259.0	277.0	293.3	307.1
C133	1,230.6	1,265.4	1,300.2	1,335.0	1,369.9	1,404.7	1,439.5	1,474.3	1,509.2	1,544.0	1,578.8	1,613.6	1,648.5	1,683.3	1,718.1	1,753.0	1,787.8	1,822.6	1,857.4	1,892.3	1,927.1	1,961.9	1,996.7	2,031.6	2,066.4	2,101.2	2,136.1	2,170.9	2,205.7	2,240.5	2,275.4	2,310.2	2,345.0	2,379.8	2,414.7	2,449.5	2,484.3	2,519.1	2,554.0	2,588.8	2,623.6	2,730.0	2,840.8	2,907.7	3,142.5	3,360.8	3,558.2	3,725.9
C134	3,297.4	3,508.9	3,720.3	3,931.8	4,143.3	4,354.8	4,566.2	4,777.7	4,989.2	5,200.6	5,412.1	5,623.6	5,835.1	6,046.5	6,258.0	6,469.5	6,680.9	6,892.4	7,103.9	7,315.4	7,526.8	7,738.3	7,949.8	8,161.3	8,372.7	8,584.2	8,795.7	9,007.1	9,218.6	9,430.1	9,641.6	9,853.0	10,064.5	10,276.0	10,487.4	10,698.9	10,910.4	11,121.9	11,333.3	11,544.8	11,756.3	12,767.9	12,440.7	13,253.0	15,388.9	16,458.0	17,424.4	18,245.8
C135	419.6	431.4	443.3	455.2	467.1	478.9	490.8	502.7	514.6	526.4	538.3	550.2	562.1	573.9	585.8	597.7	609.6	621.4	633.3	645.2	657.1	668.9	680.8	692.7	704.6	716.4	728.3	740.2	752.1	763.9	775.8	787.7	799.6	811.4	823.3	835.2	847.1	858.9	870.8	882.7	894.6	930.8	968.6	991.4	1,071.5	1,145.9	1,213.2	1,270.4
C136	492.4	502.9	513.4	523.9	534.4	544.8	555.3	565.8	576.3	586.8	597.3	607.7	618.2	628.7	639.2	649.7	660.2	670.6	681.1	691.6	702.1	712.6	723.1	733.5	744.0	754.5	765.0	775.5	785.9	796.4	806.9	817.4	827.9	838.4	848.8	859.3	869.8	880.3	890.8	901.3	911.7	940.4	980.7	996.4	1,068.9	1,134.9	1,193.4	1,241.6
C137	765.0	786.2	807.3	828.5	849.6	870.8	891.9	913.1	934.2	955.4	976.5	997.7	1,018.9	1,040.0	1,061.2	1,082.3	1,103.5	1,124.6	1,145.8	1,166.9	1,188.1	1,209.2	1,230.4	1,251.6	1,272.7	1,293.9	1,315.0	1,336.2	1,357.3	1,378.5	1,399.6	1,420.8	1,441.9	1,463.1	1,484.3	1,505.4	1,526.6	1,547.7	1,568.9	1,590.0	1,611.2	1,675.3	1,743.6	1,783.6	1,926.5	2,059.2	2,178.9	2,280.5
C138	44.3	45.0	45.6	46.3	47.0	47.7	48.4	49.1	49.8	50.5	51.2	51.8	52.5	53.2	53.9	54.6	55.3	56.0	56.7	57.4	58.0	58.7	59.4	60.1	60.8	61.5	62.2	62.9	63.5	64.2	64.9	65.6	66.3	67.0	67.7	68.4	69.1	69.7	70.4	71.1	71.8	73.4	76.7	77.3	82.2	86.6	90.3	93.3
C139	574.6	590.5	606.4	622.3	638.2	654.1	670.0	685.9	701.8	717.7	733.6	749.5	765.4	781.3	797.2	813.1	829.0	844.9	860.8	876.7	892.6	908.5	924.4	940.3	956.2	972.0	987.9	1,003.8	1,019.7	1,035.6	1,051.5	1,067.4	1,083.3	1,099.2	1,115.1	1,131.0	1,146.9	1,162.8	1,178.7	1,194.6	1,210.5	1,258.7	1,310.0	1,340.1	1,447.5	1,547.2	1,637.2	1,713.5
C140	3,480.7	3,579.2	3,677.7	3,776.2	3,874.7	3,973.2	4,071.7	4,170.2	4,268.7	4,367.3	4,465.8	4,564.3	4,662.8	4,761.3	4,859.8	4,958.3	5,056.8	5,155.3	5,253.9	5,352.4	5,450.9	5,549.4	5,647.9	5,746.4	5,844.9	5,943.4	6,041.9	6,140.5	6,239.0	6,337.5	6,436.0	6,534.5	6,633.0	6,731.5	6,830.0	6,928.5	7,027.1	7,125.6	7,224.1	7,322.6	7,421.1	7,721.9	8,035.4	8,224.7	8,888.8	9,506.4	10,064.6	10,539.1
C141	1,729.3	1,779.0	1,828.7	1,878.5	1,928.2	1,977.9	2,027.6	2,077.4	2,127.1	2,176.8	2,226.5	2,276.3	2,326.0	2,375.7	2,425.5	2,475.2	2,524.9	2,574.6	2,624.4	2,674.1	2,723.8	2,773.5	2,823.3	2,873.0	2,922.7	2,972.4	3,022.2	3,071.9	3,121.6	3,171.4	3,221.1	3,270.8	3,320.5	3,370.3	3,420.0	3,469.7	3,519.4	3,569.2	3,618.9	3,668.6	3,718.3	3,889.2	4,001.9	4,123.9	4,463.4	4,773.5	5,053.8	5,292.0
C142	4,912.4	5,363.0	5,813.6	6,264.1	6,714.7	7,165.3	7,615.9	8,066.5	8,517.1	8,967.7	9,418.3	9,868.9	10,319.5	10,770.1	11,220.7	11,671.3	12,121.9	12,572.5	13,023.1	13,473.7	13,924.3	14,374.8	14,825.4	15,276.0	15,726.6	16,177.2	16,627.8	17,078.4	17,529.0	17,979.6	18,430.2	18,880.8	19,331.4	19,782.0	20,232.6	20,683.2	21,133.8	21,584.4	22,035.0	22,485.5	22,936.1	25,120.4	24,283.9	25,995.9	30,910.9	33,058.7	34,999.9	36,649.9
C143	1,593.0	1,638.1	1,683.2	1,728.3	1,773.4	1,818.5	1,863.5	1,908.6	1,953.7	1,998.8	2,043.9	2,089.0	2,134.1	2,179.1	2,224.2	2,269.3	2,314.4	2,359.5	2,404.6	2,449.6	2,494.7	2,539.8	2,584.9	2,630.0	2,675.1	2,720.1	2,765.2	2,810.3	2,855.4	2,900.5	2,945.6	2,990.6	3,035.7	3,080.8	3,125.9	3,171.0	3,216.1	3,261.1	3,306.2	3,351.3	3,396.4	3,534.1	3,677.5	3,764.2	4,068.1	4,350.7	4,606.2	4,823.3
C144	8,600.7	8,844.2	9,087.6	9,331.0	9,574.4	9,817.8	10,061.2	10,304.7	10,548.1	10,791.5	11,034.9	11,278.3	11,521.7	11,765.1	12,008.6	12,252.0	12,495.4	12,738.8	12,982.2	13,225.6	13,469.0	13,712.5	13,955.9	14,199.3	14,442.7	14,686.1	14,929.5	15,173.0	15,416.4	15,659.8	15,903.2	16,146.6	16,390.0	16,633.4	16,876.9	17,120.3	17,363.7	17,607.1	17,850.5	18,093.9	18,337.3	19,080.7	19,855.4	20,322.9	21,964.0	23,489.9	24,869.3	26,041.7
C145	123.4	126.0	128.6	131.2	133.8	136.4	139.0	141.6	144.2	146.9	149.5	152.1	154.7	157.3	159.9	162.5	165.1	167.7	170.3	172.9	175.5	178.1	180.7	183.3	185.9	188.5	191.1	193.8	196.4	199.0	201.6	204.2	206.8	209.4	212.0	214.6	217.2	219.8	222.4	225.0	227.6	234.7	244.8	248.7	266.7	283.1	297.6	309.6
C146	983.8	1,011.6	1,039.5	1,067.3	1,095.1	1,123.0	1,150.8	1,178.7	1,206.5	1,234.3	1,262.2	1,290.0	1,317.9	1,345.7	1,373.6	1,401.4	1,429.2	1,457.1	1,484.9	1,512.8	1,540.6	1,568.5	1,596.3	1,624.1	1,652.0	1,679.8	1,707.7	1,735.5	1,763.3	1,791.2	1,819.0	1,846.9	1,874.7	1,902.6	1,930.4	1,958.2	1,986.1	2,013.9	2,041.8	2,069.6	2,097.5	2,182.5	2,271.1	2,324.6	2,512.3	2,686.8	2,844.6	2,978.7
C147	2,371.8	2,408.7	2,445.6	2,482.5	2,519.3	2,556.2	2,593.1	2,630.0	2,666.9	2,703.8	2,740.6	2,777.5	2,814.4	2,851.3	2,888.2	2,925.0	2,961.9	2,998.8	3,035.7	3,072.6	3,109.5	3,146.3	3,183.2	3,220.1	3,257.0	3,293.9	3,330.8	3,367.6	3,404.5	3,441.4	3,478.3	3,515.2	3,552.0	3,588.9	3,625.8	3,662.7	3,699.6	3,736.5	3,773.3	3,810.2	3,847.1	3,930.1	4,108.3	4,140.6	4,405.2	4,639.0	4,839.6	4,997.7
C148	1,219.8	1,254.3	1,288.8	1,323.4	1,357.9	1,392.4	1,426.9	1,461.4	1,496.0	1,530.5	1,565.0	1,599.5	1,634.1	1,668.6	1,703.1	1,737.6	1,772.2	1,806.7	1,841.2	1,875.7	1,910.3	1,944.8	1,979.3	2,013.8	2,048.4	2,082.9	2,117.4	2,151.9	2,186.5	2,221.0	2,255.5	2,290.0	2,324.6	2,359.1	2,393.6	2,428.1	2,462.7	2,497.2	2,531.7	2,566.2	2,600.8	2,706.2	2,816.1	2,882.4	3,115.1	3,331.6	3,527.2	3,693.5
C149	690.3	709.9	729.4	748.9	768.5	788.0	807.6	827.1	846.6	866.2	885.7	905.2	924.8	944.3	963.9	983.4	1,002.9	1,022.5	1,042.0	1,061.6	1,081.1	1,100.6	1,120.2	1,139.7	1,159.3	1,178.8	1,198.3	1,217.9	1,237.4	1,256.9	1,276.5	1,296.0	1,315.6	1,335.1	1,354.6	1,374.2	1,393.7	1,413.3	1,432.8	1,452.3	1,471.9	1,531.5	1,593.7	1,631.3	1,763.0	1,885.5	1,996.2	2,090.3
C150	1,195.1	1,228.9	1,262.7	1,296.5	1,330.4	1,364.2	1,398.0	1,431.8	1,465.7	1,499.5	1,533.3	1,567.1	1,600.9	1,634.8	1,668.6	1,702.4	1,736.2	1,770.1	1,803.9	1,837.7	1,871.5	1,905.4	1,939.2	1,973.0	2,006.8	2,040.7	2,074.5	2,108.3	2,142.1	2,176.0	2,209.8	2,243.6	2,277.4	2,311.3	2,345.1	2,378.9	2,412.7	2,446.6	2,480.4	2,514.2	2,548.0	2,651.3	2,759.0	2,823.9	3,052.0	3,264.0	3,455.7	3,618.6
C151	1,700.4	1,748.5	1,796.6	1,844.8	1,892.9	1,941.0	1,989.1	2,037.3	2,085.4	2,133.5	2,181.6	2,229.8	2,277.9	2,326.0	2,374.1	2,422.3	2,470.4	2,518.5	2,566.7	2,614.8	2,662.9	2,711.0	2,759.2	2,807.3	2,855.4	2,903.5	2,951.7	2,999.8	3,047.9	3,096.0	3,144.2	3,192.3	3,240.4	3,288.5	3,336.7	3,384.8	3,432.9	3,481.1	3,529.2	3,577.3	3,625.4	3,772.4	3,925.6	4,018.0	4,342.5	4,644.2	4,916.9	5,148.7
C152	1,563.0	1,607.2	1,651.5	1,695.7	1,740.0	1,784.2	1,828.5	1,872.7	1,917.0	1,961.2	2,005.5	2,049.7	2,094.0	2,138.2	2,182.5	2,226.7	2,271.0	2,315.2	2,359.5	2,403.7	2,448.0	2,492.2	2,536.5	2,580.7	2,625.0	2,669.2	2,713.5	2,757.7	2,802.0	2,846.2	2,890.5	2,934.7	2,979.0	3,023.2	3,067.5	3,111.7	3,156.0	3,200.2	3,244.5	3,288.7	3,333.0	3,468.1	3,608.9	3,694.0	3,992.3	4,269.8	4,520.5	4,733.5
C153	920.8	946.9	972.9	999.0	1,025.1	1,051.1	1,077.2	1,103.3	1,129.3	1,155.4	1,181.4	1,207.5	1,233.6	1,259.6	1,285.7	1,311.8	1,337.8	1,363.9	1,389.9	1,416.0	1,442.1	1,468.1	1,494.2	1,520.3	1,546.3	1,572.4	1,598.4	1,624.5	1,650.6	1,676.6	1,702.7	1,728.8	1,754.8	1,780.9	1,806.9	1,833.0	1,859.1	1,885.1	1,911.2	1,937.2	1,963.3	2,042.9	2,125.8	2,175.9	2,351.6	2,515.0	2,662.7	2,788.2
C154	2,032.4	2,090.0	2,147.5	2,205.0	2,262.5	2,320.1	2,377.6	2,435.1	2,492.6	2,550.2	2,607.7	2,665.2	2,722.7	2,780.3	2,837.8	2,895.3	2,952.9	3,010.4	3,067.9	3,125.4	3,183.0	3,240.5	3,298.0	3,355.5	3,413.1	3,470.6	3,528.1	3,585.6	3,643.2	3,700.7	3,758.2	3,815.7	3,873.3	3,930.8	3,988.3	4,045.8	4,103.4	4,160.9	4,218.4	4,276.0	4,333.5	4,509.1	4,692.2	4,802.8	5,190.6	5,551.2	5,877.2	6,154.2
C155	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C156	433.1	468.1	503.0	538.0	573.0	608.0	643.0	677.9	712.9	747.9	782.9	817.9	852.9	887.8	922.8	957.8	992.8	1,027.8	1,062.7	1,097.7	1,132.7	1,167.7	1,202.7	1,237.7	1,272.6	1,307.6	1,342.6	1,377.6	1,412.6	1,447.5	1,482.5	1,517.5	1,552.5	1,587.5	1,622.5	1,657.4	1,692.4	1,727.4	1,762.4	1,797.4	1,832.3	1,971.3	2,038.7	2,118.9	2,329.4	2,544.7	2,761.1	2,980.2
C157	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C158	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.6	0.6
C159	242.2	261.8	281.4	301.1	320.7	340.3	359.9	379.5	399.2	418.8	438.4	458.0	477.6	497.3	516.9	536.5	556.1	575.7	595.4	615.0	634.6	654.2	673.8	693.5	713.1	732.7	752.3	771.9	791.6	811.2	830.8	850.4	870.0	889.7	909.3	928.9	948.5	968.1	987.8	1,007.4	1,027.0	1,104.9	1,142.9	1,187.7	1,305.7	1,426.5	1,547.9	1,670.9
C160	16.1	17.4	18.7	20.0	21.3	22.6	23.9	25.2	26.5	27.8	29.1	30.4	31.7	33.0	34.3	35.6	36.9	38.2	39.5	40.8	42.1	43.4	44.7	46.0	47.3	48.6	49.9	51.2	52.5	53.8	55.1	56.4	57.7	59.0	60.3	61.6	62.9	64.2	65.5	66.8	68.1	73.3	75.8	78.7	86.6	94.6	102.6	110.8
C161	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
C163	4,839.3	4,976.2	5,113.2	5,250.2	5,387.1	5,524.1	5,661.1	5,798.0	5,935.0	6,072.0	6,208.9	6,345.9	6,482.9	6,619.8	6,756.8	6,893.8	7,030.7	7,167.7	7,304.6	7,441.6	7,578.6	7,715.5	7,852.5	7,989.5	8,126.4	8,263.4	8,400.4	8,537.3	8,674.3	8,811.3	8,948.2	9,085.2	9,222.2	9,359.1	9,496.1	9,633.0	9,770.0	9,907.0	10,043.9	10,180.9	10,317.9	10,736.1	11,172.0	11,435.1	12,358.5	13,217.1	13,993.3	14,653.0
C164	10.6	10.7	10.7	10.8	10.9	10.9	11.0	11.0	11.1	11.2	11.2	11.3	11.3	11.4	11.5	11.5	11.6	11.6	11.7	11.8	11.8	11.9	11.9	12.0	12.1	12.1	12.2	12.2	12.3	12.4	12.4	12.5	12.5	12.6	12.7	12.7	12.8	12.8	12.9	13.0	13.0	13.0	13.6	13.4	14.0	14.4	14.7	14.7
C165	201.7	211.9	222.1	232.4	242.6	252.8	263.0	273.3	283.5	293.7	304.0	314.2	324.4	334.6	344.9	355.1	365.3	375.6	385.8	396.0	406.2	416.5	426.7	436.9	447.2	457.4	467.6	477.8	488.1	498.3	508.5	518.7	529.0	539.2	549.4	559.7	569.9	580.1	590.3	600.6	610.8	643.3	675.2	696.7	760.1	822.8	883.0	940.0
C166	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.7	21.9	22.1	22.3	22.5	22.7	22.9	23.1	23.3	23.5	23.7	23.9	24.1	24.3	24.5	24.7	24.9	25.1	25.3	25.5	25.7	25.9	26.1	26.3	26.5	26.7	26.9	27.1	28.4	28.4	29.9	31.2	32.2	32.9
C167	6.5	6.5	6.6	6.6	6.6	6.7	6.7	6.7	6.8	6.8	6.9	6.9	6.9	7.0	7.0	7.0	7.1	7.1	7.1	7.2	7.2	7.3	7.3	7.3	7.4	7.4	7.4	7.5	7.5	7.5	7.6	7.6	7.7	7.7	7.7	7.8	7.8	7.8	7.9	7.9	7.9	7.9	8.3	8.2	8.5	8.8	9.0	9.0
C168	26.5	26.7	26.8	27.0	27.1	27.3	27.4	27.6	27.7	27.8	28.0	28.1	28.3	28.4	28.6	28.7	28.9	29.0	29.2	29.3	29.5	29.6	29.8	29.9	30.1	30.2	30.4	30.5	30.7	30.8	31.0	31.1	31.3	31.4	31.6	31.7	31.9	32.0	32.2	32.3	32.5	32.4	33.9	33.5	34.9	35.9	36.6	36.8
C169	346.9	356.6	366.4	376.1	385.9	395.6	405.4	415.1	424.9	434.6	444.4	454.1	463.9	473.6	483.4	493.1	502.9	512.7	522.4	532.2	541.9	551.7	561.4	571.2	580.9	590.7	600.4	610.2	619.9	629.7	639.4	649.2	658.9	668.7	678.4	688.2	697.9	707.7	717.4	727.2	736.9	766.6	797.8	816.5	882.2	943.4	998.6	1,045.5
C170	168.6	173.4	178.2	182.9	187.7	192.5	197.3	202.0	206.8	211.6	216.3	221.1	225.9	230.7	235.4	240.2	245.0	249.8	254.5	259.3	264.1	268.8	273.6	278.4	283.2	287.9	292.7	297.5	302.2	307.0	311.8	316.6	321.3	326.1	330.9	335.7	340.4	345.2	350.0	354.7	359.5	374.1	389.3	398.4	430.6	460.5	487.6	510.6
C171	59.9	62.9	66.0	69.0	72.1	75.1	78.1	81.2	84.2	87.2	90.3	93.3	96.3	99.4	102.4	105.5	108.5	111.5	114.6	117.6	120.6	123.7	126.7	129.8	132.8	135.8	138.9	141.9	144.9	148.0	151.0	154.0	157.1	160.1	163.2	166.2	169.2	172.3	175.3	178.3	181.4	191.0	200.5	206.9	225.7	244.3	262.2	279.1
C172	177.8	186.9	195.9	204.9	213.9	222.9	231.9	241.0	250.0	259.0	268.0	277.0	286.0	295.1	304.1	313.1	322.1	331.1	340.1	349.2	358.2	367.2	376.2	385.2	394.2	403.3	412.3	421.3	430.3	439.3	448.3	457.4	466.4	475.4	484.4	493.4	502.4	511.5	520.5	529.5	538.5	567.2	595.2	614.2	670.2	725.4	778.5	828.7
C173	71.8	75.4	79.0	82.7	86.3	90.0	93.6	97.2	100.9	104.5	108.2	111.8	115.4	119.1	122.7	126.3	130.0	133.6	137.3	140.9	144.5	148.2	151.8	155.5	159.1	162.7	166.4	170.0	173.6	177.3	180.9	184.6	188.2	191.8	195.5	199.1	202.8	206.4	210.0	213.7	217.3	228.9	240.2	247.9	270.4	292.7	314.1	334.4
C174	100.2	103.0	105.8	108.6	111.4	114.2	117.0	119.9	122.7	125.5	128.3	131.1	133.9	136.8	139.6	142.4	145.2	148.0	150.8	153.6	156.5	159.3	162.1	164.9	167.7	170.5	173.4	176.2	179.0	181.8	184.6	187.4	190.3	193.1	195.9	198.7	201.5	204.3	207.1	210.0	212.8	221.2	230.6	235.8	254.7	272.3	288.2	302.0
C175	141.7	148.5	155.3	162.1	168.9	175.7	182.5	189.2	196.0	202.8	209.6	216.4	223.2	230.0	236.8	243.5	250.3	257.1	263.9	270.7	277.5	284.3	291.1	297.9	304.6	311.4	318.2	325.0	331.8	338.6	345.4	352.2	358.9	365.7	372.5	379.3	386.1	392.9	399.7	406.5	413.2	434.6	456.1	470.2	512.4	554.0	593.9	631.6
C176	27.9	29.3	30.7	32.1	33.6	35.0	36.4	37.8	39.2	40.6	42.0	43.5	44.9	46.3	47.7	49.1	50.5	51.9	53.4	54.8	56.2	57.6	59.0	60.4	61.8	63.3	64.7	66.1	67.5	68.9	70.3	71.7	73.2	74.6	76.0	77.4	78.8	80.2	81.6	83.1	84.5	89.0	93.4	96.3	105.1	113.8	122.1	130.0
C177	7,413.9	7,789.8	8,165.7	8,541.5	8,917.4	9,293.3	9,669.2	10,045.1	10,420.9	10,796.8	11,172.7	11,548.6	11,924.5	12,300.4	12,676.2	13,052.1	13,428.0	13,803.9	14,179.8	14,555.6	14,931.5	15,307.4	15,683.3	16,059.2	16,435.0	16,810.9	17,186.8	17,562.7	17,938.6	18,314.5	18,690.3	19,066.2	19,442.1	19,818.0	20,193.9	20,569.7	20,945.6	21,321.5	21,697.4	22,073.3	22,449.2	23,644.5	24,814.7	25,604.8	27,937.7	30,239.9	32,452.5	34,548.7
C178	21.6	22.7	23.8	24.9	26.0	27.1	28.2	29.3	30.4	31.5	32.6	33.7	34.8	35.9	37.0	38.1	39.2	40.3	41.4	42.5	43.6	44.7	45.8	46.9	48.0	49.1	50.2	51.3	52.4	53.5	54.6	55.7	56.8	57.9	59.0	60.1	61.2	62.3	63.4	64.5	65.6	69.1	72.5	74.8	81.6	88.3	94.8	100.9
C179	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.2	4.3	4.4	4.6	4.7	4.8	5.0	5.1	5.2	5.4	5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8	8.0	8.1	8.5	8.9	9.2	10.1	10.9	11.7	12.4
C180	166.9	175.4	183.9	192.3	200.8	209.2	217.7	226.2	234.6	243.1	251.6	260.0	268.5	277.0	285.4	293.9	302.3	310.8	319.3	327.7	336.2	344.7	353.1	361.6	370.0	378.5	387.0	395.4	403.9	412.4	420.8	429.3	437.8	446.2	454.7	463.1	471.6	480.1	488.5	497.0	505.5	532.4	558.7	576.5	629.0	680.9	730.7	777.9
C181	170.5	175.3	180.2	185.0	189.8	194.6	199.5	204.3	209.1	213.9	218.8	223.6	228.4	233.3	238.1	242.9	247.7	252.6	257.4	262.2	267.0	271.9	276.7	281.5	286.3	291.2	296.0	300.8	305.6	310.5	315.3	320.1	324.9	329.8	334.6	339.4	344.2	349.1	353.9	358.7	363.5	378.3	393.6	402.9	435.4	465.7	493.0	516.3
C182	421.8	442.5	463.2	483.9	504.6	525.4	546.1	566.8	587.5	608.2	628.9	649.7	670.4	691.1	711.8	732.5	753.2	773.9	794.7	815.4	836.1	856.8	877.5	898.2	919.0	939.7	960.4	981.1	1,001.8	1,022.5	1,043.3	1,064.0	1,084.7	1,105.4	1,126.1	1,146.8	1,167.6	1,188.3	1,209.0	1,229.7	1,250.4	1,316.0	1,381.1	1,424.2	1,553.1	1,680.0	1,801.8	1,917.0
C183	162.5	170.8	179.0	187.3	195.5	203.7	212.0	220.2	228.5	236.7	244.9	253.2	261.4	269.7	277.9	286.1	294.4	302.6	310.9	319.1	327.3	335.6	343.8	352.1	360.3	368.6	376.8	385.0	393.3	401.5	409.8	418.0	426.2	434.5	442.7	451.0	459.2	467.4	475.7	483.9	492.2	518.4	544.0	561.3	612.5	663.0	711.5	757.4
C184	271.0	284.8	298.5	312.3	326.0	339.8	353.5	367.2	381.0	394.7	408.5	422.2	436.0	449.7	463.4	477.2	490.9	504.7	518.4	532.2	545.9	559.6	573.4	587.1	600.9	614.6	628.3	642.1	655.8	669.6	683.3	697.1	710.8	724.5	738.3	752.0	765.8	779.5	793.3	807.0	820.7	864.4	907.2	936.1	1,021.4	1,105.6	1,186.5	1,263.1
C185	225.9	237.4	248.8	260.3	271.7	283.2	294.6	306.1	317.5	329.0	340.4	351.9	363.3	374.8	386.2	397.7	409.1	420.6	432.0	443.5	455.0	466.4	477.9	489.3	500.8	512.2	523.7	535.1	546.6	558.0	569.5	580.9	592.4	603.8	615.3	626.7	638.2	649.6	661.1	672.6	684.0	720.4	756.1	780.2	851.2	921.4	988.8	1,052.7
C186	1,239.5	1,287.7	1,336.0	1,384.3	1,432.6	1,480.9	1,529.2	1,577.5	1,625.8	1,674.0	1,722.3	1,770.6	1,818.9	1,867.2	1,915.5	1,963.8	2,012.0	2,060.3	2,108.6	2,156.9	2,205.2	2,253.5	2,301.8	2,350.0	2,398.3	2,446.6	2,494.9	2,543.2	2,591.5	2,639.8	2,688.1	2,736.3	2,784.6	2,832.9	2,881.2	2,929.5	2,977.8	3,026.1	3,074.3	3,122.6	3,170.9	3,312.8	3,475.8	3,576.9	3,887.3	4,183.9	4,460.2	4,707.6
C187	1,264.5	1,284.2	1,303.8	1,323.5	1,343.2	1,362.8	1,382.5	1,402.1	1,421.8	1,441.5	1,461.1	1,480.8	1,500.5	1,520.1	1,539.8	1,559.4	1,579.1	1,598.8	1,618.4	1,638.1	1,657.8	1,677.4	1,697.1	1,716.8	1,736.4	1,756.1	1,775.7	1,795.4	1,815.1	1,834.7	1,854.4	1,874.1	1,893.7	1,913.4	1,933.0	1,952.7	1,972.4	1,992.0	2,011.7	2,031.4	2,051.0	2,095.3	2,190.3	2,207.5	2,348.6	2,473.2	2,580.2	2,664.4
C188	402.3	417.4	432.6	447.7	462.9	478.0	493.2	508.3	523.5	538.6	553.7	568.9	584.0	599.2	614.3	629.5	644.6	659.8	674.9	690.1	705.2	720.4	735.5	750.6	765.8	780.9	796.1	811.2	826.4	841.5	856.7	871.8	887.0	902.1	917.3	932.4	947.5	962.7	977.8	993.0	1,008.1	1,058.7	1,098.4	1,132.3	1,233.3	1,326.7	1,412.9	1,491.1
C189	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6	2.6	2.7	2.8	2.9	2.9	3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.6	4.7	4.8	4.9	4.9	5.0	5.1	5.3	5.5	5.7	6.2	6.7	7.1	7.5
C190	1,143.6	1,186.7	1,229.7	1,272.8	1,315.8	1,358.9	1,402.0	1,445.0	1,488.1	1,531.1	1,574.2	1,617.2	1,660.3	1,703.3	1,746.4	1,789.4	1,832.5	1,875.5	1,918.6	1,961.7	2,004.7	2,047.8	2,090.8	2,133.9	2,176.9	2,220.0	2,263.0	2,306.1	2,349.1	2,392.2	2,435.3	2,478.3	2,521.4	2,564.4	2,607.5	2,650.5	2,693.6	2,736.6	2,779.7	2,822.7	2,865.8	3,009.5	3,122.4	3,218.8	3,505.8	3,771.3	4,016.3	4,238.6
C191	52.4	54.3	56.3	58.3	60.2	62.2	64.2	66.2	68.1	70.1	72.1	74.0	76.0	78.0	79.9	81.9	83.9	85.9	87.8	89.8	91.8	93.7	95.7	97.7	99.7	101.6	103.6	105.6	107.5	109.5	111.5	113.4	115.4	117.4	119.4	121.3	123.3	125.3	127.2	129.2	131.2	137.8	142.9	147.3	160.5	172.6	183.8	194.0
C192	19.2	20.0	20.7	21.4	22.1	22.9	23.6	24.3	25.0	25.8	26.5	27.2	27.9	28.7	29.4	30.1	30.8	31.6	32.3	33.0	33.7	34.5	35.2	35.9	36.6	37.4	38.1	38.8	39.5	40.3	41.0	41.7	42.4	43.1	43.9	44.6	45.3	46.0	46.8	47.5	48.2	50.6	52.5	54.2	59.0	63.5	67.6	71.3
C193	30.8	32.0	33.2	34.3	35.5	36.6	37.8	39.0	40.1	41.3	42.5	43.6	44.8	45.9	47.1	48.3	49.4	50.6	51.7	52.9	54.1	55.2	56.4	57.5	58.7	59.9	61.0	62.2	63.3	64.5	65.7	66.8	68.0	69.2	70.3	71.5	72.6	73.8	75.0	76.1	77.3	81.2	84.2	86.8	94.5	101.7	108.3	114.3
C194	89.4	90.9	92.3	93.8	95.2	96.7	98.1	99.6	101.1	102.5	104.0	105.4	106.9	108.3	109.8	111.2	112.7	114.1	115.6	117.0	118.5	120.0	121.4	122.9	124.3	125.8	127.2	128.7	130.1	131.6	133.0	134.5	135.9	137.4	138.9	140.3	141.8	143.2	144.7	146.1	147.6	158.7	155.5	155.6	163.9	176.3	187.7	198.1
C195	199.3	200.0	200.8	201.6	202.4	203.2	203.9	204.7	205.5	206.3	207.0	207.8	208.6	209.4	210.2	210.9	211.7	212.5	213.3	214.0	214.8	215.6	216.4	217.2	217.9	218.7	219.5	220.3	221.0	221.8	222.6	223.4	224.1	224.9	225.7	226.5	227.3	228.0	228.8	229.6	230.4	255.0	232.3	223.2	223.3	240.2	255.8	269.9
C196	342.4	355.3	368.2	381.1	394.0	406.9	419.7	432.6	445.5	458.4	471.3	484.2	497.1	510.0	522.9	535.8	548.6	561.5	574.4	587.3	600.2	613.1	626.0	638.9	651.8	664.6	677.5	690.4	703.3	716.2	729.1	742.0	754.9	767.8	780.7	793.5	806.4	819.3	832.2	845.1	858.0	901.0	934.8	963.7	1,049.6	1,129.1	1,202.4	1,269.0
C197	8,861.7	8,872.7	8,883.8	8,894.8	8,905.9	8,916.9	8,928.0	8,939.0	8,950.1	8,961.1	8,972.2	8,983.2	8,994.3	9,005.3	9,016.4	9,027.4	9,038.5	9,049.5	9,060.6	9,071.6	9,082.7	9,093.7	9,104.8	9,115.8	9,126.9	9,137.9	9,149.0	9,160.0	9,171.1	9,182.1	9,193.2	9,204.2	9,215.3	9,226.3	9,237.4	9,248.4	9,259.5	9,270.5	9,281.6	9,292.6	9,303.7	10,395.4	9,240.6	8,745.8	8,572.8	9,222.3	9,821.3	10,365.1
C198	1,426.2	1,429.9	1,433.5	1,437.2	1,440.9	1,444.6	1,448.3	1,451.9	1,455.6	1,459.3	1,463.0	1,466.6	1,470.3	1,474.0	1,477.7	1,481.3	1,485.0	1,488.7	1,492.4	1,496.0	1,499.7	1,503.4	1,507.1	1,510.8	1,514.4	1,518.1	1,521.8	1,525.5	1,529.1	1,532.8	1,536.5	1,540.2	1,543.8	1,547.5	1,551.2	1,554.9	1,558.5	1,562.2	1,565.9	1,569.6	1,573.3	1,749.1	1,575.2	1,502.9	1,489.1	1,601.9	1,706.0	1,800.4
C199	1,362.1	1,413.4	1,464.7	1,515.9	1,567.2	1,618.5	1,669.8	1,721.0	1,772.3	1,823.6	1,874.8	1,926.1	1,977.4	2,028.6	2,079.9	2,131.2	2,182.4	2,233.7	2,285.0	2,336.3	2,387.5	2,438.8	2,490.1	2,541.3	2,592.6	2,643.9	2,695.1	2,746.4	2,797.7	2,849.0	2,900.2	2,951.5	3,002.8	3,054.0	3,105.3	3,156.6	3,207.8	3,259.1	3,310.4	3,361.7	3,412.9	3,584.1	3,718.5	3,833.3	4,174.9	4,491.3	4,782.9	5,047.7
C200	22.5	23.4	24.2	25.1	25.9	26.8	27.6	28.4	29.3	30.1	31.0	31.8	32.7	33.5	34.4	35.2	36.1	36.9	37.8	38.6	39.5	40.3	41.2	42.0	42.9	43.7	44.6	45.4	46.2	47.1	47.9	48.8	49.6	50.5	51.3	52.2	53.0	53.9	54.7	55.6	56.4	59.2	61.5	63.4	69.0	74.2	79.1	83.4
C201	105.6	106.5	107.3	108.1	108.9	109.7	110.5	111.3	112.2	113.0	113.8	114.6	115.4	116.2	117.1	117.9	118.7	119.5	120.3	121.1	121.9	122.8	123.6	124.4	125.2	126.0	126.8	127.6	128.5	129.3	130.1	130.9	131.7	132.5	133.3	134.2	135.0	135.8	136.6	137.4	138.2	151.3	141.8	138.6	141.6	152.3	162.2	171.2
C202	32.7	33.9	35.1	36.4	37.6	38.8	40.1	41.3	42.5	43.8	45.0	46.2	47.4	48.7	49.9	51.1	52.4	53.6	54.8	56.1	57.3	58.5	59.8	61.0	62.2	63.4	64.7	65.9	67.1	68.4	69.6	70.8	72.1	73.3	74.5	75.7	77.0	78.2	79.4	80.7	81.9	86.0	89.2	92.0	100.2	107.8	114.8	121.1
C203	2,891.3	3,000.1	3,108.9	3,217.8	3,326.6	3,435.4	3,544.2	3,653.1	3,761.9	3,870.7	3,979.5	4,088.4	4,197.2	4,306.0	4,414.9	4,523.7	4,632.5	4,741.3	4,850.2	4,959.0	5,067.8	5,176.6	5,285.5	5,394.3	5,503.1	5,611.9	5,720.8	5,829.6	5,938.4	6,047.3	6,156.1	6,264.9	6,373.7	6,482.6	6,591.4	6,700.2	6,809.0	6,917.9	7,026.7	7,135.5	7,244.3	7,607.6	7,892.9	8,136.6	8,861.8	9,533.3	10,152.3	10,714.3
C204	394.0	408.8	423.6	438.5	453.3	468.1	483.0	497.8	512.6	527.5	542.3	557.1	572.0	586.8	601.6	616.5	631.3	646.1	660.9	675.8	690.6	705.4	720.3	735.1	749.9	764.8	779.6	794.4	809.3	824.1	838.9	853.7	868.6	883.4	898.2	913.1	927.9	942.7	957.6	972.4	987.2	1,036.7	1,075.6	1,108.8	1,207.7	1,299.2	1,383.5	1,460.1
C205	2,211.1	2,297.8	2,384.5	2,471.2	2,557.9	2,644.6	2,731.3	2,817.9	2,904.6	2,991.3	3,078.0	3,164.7	3,251.4	3,338.1	3,424.8	3,511.5	3,598.2	3,684.9	3,771.6	3,858.3	3,945.0	4,031.7	4,118.4	4,205.1	4,291.8	4,378.5	4,465.2	4,551.9	4,638.5	4,725.2	4,811.9	4,898.6	4,985.3	5,072.0	5,158.7	5,245.4	5,332.1	5,418.8	5,505.5	5,592.2	5,678.9	5,933.9	6,226.2	6,407.8	6,965.0	7,497.3	7,993.6	8,438.2
C206	1,551.0	1,611.8	1,672.6	1,733.4	1,794.2	1,855.0	1,915.8	1,976.6	2,037.4	2,098.2	2,159.0	2,219.9	2,280.7	2,341.5	2,402.3	2,463.1	2,523.9	2,584.7	2,645.5	2,706.3	2,767.1	2,827.9	2,888.7	2,949.5	3,010.4	3,071.2	3,132.0	3,192.8	3,253.6	3,314.4	3,375.2	3,436.0	3,496.8	3,557.6	3,618.4	3,679.2	3,740.1	3,800.9	3,861.7	3,922.5	3,983.3	4,162.2	4,367.1	4,494.6	4,885.4	5,258.8	5,606.9	5,918.6
C207	1,961.6	2,038.6	2,115.5	2,192.4	2,269.3	2,346.3	2,423.2	2,500.1	2,577.0	2,654.0	2,730.9	2,807.8	2,884.7	2,961.6	3,038.6	3,115.5	3,192.4	3,269.3	3,346.3	3,423.2	3,500.1	3,577.0	3,654.0	3,730.9	3,807.8	3,884.7	3,961.7	4,038.6	4,115.5	4,192.4	4,269.3	4,346.3	4,423.2	4,500.1	4,577.0	4,654.0	4,730.9	4,807.8	4,884.7	4,961.7	5,038.6	5,264.9	5,524.0	5,685.4	6,179.8	6,652.1	7,092.4	7,486.8
C208	614.1	638.2	662.2	686.3	710.4	734.5	758.6	782.6	806.7	830.8	854.9	879.0	903.0	927.1	951.2	975.3	999.4	1,023.5	1,047.5	1,071.6	1,095.7	1,119.8	1,143.9	1,167.9	1,192.0	1,216.1	1,240.2	1,264.3	1,288.3	1,312.4	1,336.5	1,360.6	1,384.7	1,408.7	1,432.8	1,456.9	1,481.0	1,505.1	1,529.1	1,553.2	1,577.3	1,648.1	1,729.3	1,779.8	1,934.5	2,082.4	2,220.2	2,343.7
C209	4,987.3	5,182.8	5,378.4	5,573.9	5,769.5	5,965.0	6,160.6	6,356.1	6,551.7	6,747.3	6,942.8	7,138.4	7,333.9	7,529.5	7,725.0	7,920.6	8,116.1	8,311.7	8,507.2	8,702.8	8,898.3	9,093.9	9,289.4	9,485.0	9,680.6	9,876.1	10,071.7	10,267.2	10,462.8	10,658.3	10,853.9	11,049.4	11,245.0	11,440.5	11,636.1	11,831.6	12,027.2	12,222.8	12,418.3	12,613.9	12,809.4	13,384.7	14,043.6	14,453.8	15,710.6	16,911.3	18,030.6	19,033.3
C210	5,493.8	5,581.8	5,669.8	5,757.9	5,845.9	5,933.9	6,021.9	6,109.9	6,197.9	6,286.0	6,374.0	6,462.0	6,550.0	6,638.0	6,726.0	6,814.1	6,902.1	6,990.1	7,078.1	7,166.1	7,254.1	7,342.2	7,430.2	7,518.2	7,606.2	7,694.2	7,782.2	7,870.3	7,958.3	8,046.3	8,134.3	8,222.3	8,310.4	8,398.4	8,486.4	8,574.4	8,662.4	8,750.4	8,838.5	8,926.5	9,014.5	9,183.4	9,651.4	9,734.7	10,356.5	10,906.2	11,377.7	11,749.4
C211	7,783.3	7,904.3	8,025.3	8,146.4	8,267.4	8,388.5	8,509.5	8,630.5	8,751.6	8,872.6	8,993.7	9,114.7	9,235.7	9,356.8	9,477.8	9,598.9	9,719.9	9,841.0	9,962.0	10,083.0	10,204.1	10,325.1	10,446.2	10,567.2	10,688.2	10,809.3	10,930.3	11,051.4	11,172.4	11,293.4	11,414.5	11,535.5	11,656.6	11,777.6	11,898.6	12,019.7	12,140.7	12,261.8	12,382.8	12,503.9	12,624.9	12,897.1	13,482.3	13,588.5	14,456.5	15,223.8	15,882.0	16,400.8
C212	5,744.4	5,833.8	5,923.1	6,012.4	6,101.7	6,191.1	6,280.4	6,369.7	6,459.0	6,548.4	6,637.7	6,727.0	6,816.4	6,905.7	6,995.0	7,084.3	7,173.7	7,263.0	7,352.3	7,441.6	7,531.0	7,620.3	7,709.6	7,798.9	7,888.3	7,977.6	8,066.9	8,156.2	8,245.6	8,334.9	8,424.2	8,513.6	8,602.9	8,692.2	8,781.5	8,870.9	8,960.2	9,049.5	9,138.8	9,228.2	9,317.5	9,518.6	9,950.1	10,028.4	10,669.1	11,235.5	11,721.2	12,104.1
C213	1,245.5	1,264.8	1,284.2	1,303.5	1,322.9	1,342.3	1,361.6	1,381.0	1,400.3	1,419.7	1,439.1	1,458.4	1,477.8	1,497.1	1,516.5	1,535.9	1,555.2	1,574.6	1,593.9	1,613.3	1,632.7	1,652.0	1,671.4	1,690.7	1,710.1	1,729.5	1,748.8	1,768.2	1,787.5	1,806.9	1,826.3	1,845.6	1,865.0	1,884.3	1,903.7	1,923.1	1,942.4	1,961.8	1,981.1	2,000.5	2,019.9	2,063.5	2,157.0	2,173.9	2,312.8	2,435.5	2,540.8	2,623.8
C214	2,646.1	2,687.2	2,728.4	2,769.5	2,810.7	2,851.8	2,892.9	2,934.1	2,975.2	3,016.4	3,057.5	3,098.6	3,139.8	3,180.9	3,222.1	3,263.2	3,304.3	3,345.5	3,386.6	3,427.8	3,468.9	3,510.0	3,551.2	3,592.3	3,633.4	3,674.6	3,715.7	3,756.9	3,798.0	3,839.1	3,880.3	3,921.4	3,962.6	4,003.7	4,044.8	4,086.0	4,127.1	4,168.3	4,209.4	4,250.5	4,291.7	4,384.3	4,583.0	4,619.1	4,914.1	5,175.0	5,398.7	5,575.1
C215	7,041.4	7,156.5	7,271.6	7,386.8	7,501.9	7,617.0	7,732.2	7,847.3	7,962.4	8,077.6	8,192.7	8,307.8	8,423.0	8,538.1	8,653.2	8,768.4	8,883.5	8,998.6	9,113.7	9,228.9	9,344.0	9,459.1	9,574.3	9,689.4	9,804.5	9,919.7	10,034.8	10,149.9	10,265.1	10,380.2	10,495.3	10,610.5	10,725.6	10,840.7	10,955.9	11,071.0	11,186.1	11,301.3	11,416.4	11,531.5	11,646.7	11,912.3	12,454.8	12,567.2	13,386.0	14,114.0	14,742.8	15,244.2
C216	2,390.7	2,439.7	2,488.7	2,537.8	2,586.8	2,635.8	2,684.8	2,733.8	2,782.8	2,831.8	2,880.8	2,929.8	2,978.8	3,027.8	3,076.8	3,125.8	3,174.8	3,223.8	3,272.8	3,321.8	3,370.8	3,419.8	3,468.8	3,517.8	3,566.8	3,615.8	3,664.8	3,713.8	3,762.8	3,811.8	3,860.8	3,909.8	3,958.8	4,007.8	4,056.8	4,105.8	4,154.8	4,203.8	4,252.8	4,301.8	4,350.8	4,456.1	4,692.4	4,759.8	5,093.1	5,395.5	5,662.8	5,884.0
C217	867.1	888.4	909.8	931.1	952.4	973.8	995.1	1,016.5	1,037.8	1,059.2	1,080.5	1,101.8	1,123.2	1,144.5	1,165.9	1,187.2	1,208.6	1,229.9	1,251.3	1,272.6	1,293.9	1,315.3	1,336.6	1,358.0	1,379.3	1,400.7	1,422.0	1,443.3	1,464.7	1,486.0	1,507.4	1,528.7	1,550.1	1,571.4	1,592.7	1,614.1	1,635.4	1,656.8	1,678.1	1,699.5	1,720.8	1,777.9	1,861.9	1,896.5	2,039.9	2,172.6	2,292.4	2,394.9
C218	74.5	77.3	80.2	83.0	85.9	88.7	91.6	94.5	97.3	100.2	103.0	105.9	108.7	111.6	114.4	117.3	120.1	123.0	125.8	128.7	131.5	134.4	137.3	140.1	143.0	145.8	148.7	151.5	154.4	157.2	160.1	162.9	165.8	168.6	171.5	174.3	177.2	180.1	182.9	185.8	188.6	196.9	206.7	212.6	231.0	248.5	264.8	279.4
C219	487.0	506.2	525.5	544.7	564.0	583.3	602.5	621.8	641.0	660.3	679.5	698.8	718.1	737.3	756.6	775.8	795.1	814.3	833.6	852.9	872.1	891.4	910.6	929.9	949.1	968.4	987.6	1,006.9	1,026.2	1,045.4	1,064.7	1,083.9	1,103.2	1,122.4	1,141.7	1,161.0	1,180.2	1,199.5	1,218.7	1,238.0	1,257.2	1,306.7	1,382.5	1,423.2	1,545.5	1,662.0	1,770.4	1,867.1
C220	1,115.3	1,146.8	1,178.4	1,209.9	1,241.5	1,273.1	1,304.6	1,336.2	1,367.8	1,399.3	1,430.9	1,462.4	1,494.0	1,525.6	1,557.1	1,588.7	1,620.3	1,651.8	1,683.4	1,714.9	1,746.5	1,778.1	1,809.6	1,841.2	1,872.8	1,904.3	1,935.9	1,967.4	1,999.0	2,030.6	2,062.1	2,093.7	2,125.2	2,156.8	2,188.4	2,219.9	2,251.5	2,283.1	2,314.6	2,346.2	2,377.7	2,474.1	2,574.6	2,635.2	2,848.0	3,045.9	3,224.7	3,376.7
C221	1,325.0	1,362.5	1,400.0	1,437.5	1,475.0	1,512.5	1,550.0	1,587.5	1,625.0	1,662.5	1,700.0	1,737.5	1,775.0	1,812.5	1,850.0	1,887.5	1,925.0	1,962.5	2,000.0	2,037.5	2,075.0	2,112.5	2,150.0	2,187.5	2,225.0	2,262.5	2,300.0	2,337.5	2,375.0	2,412.5	2,450.0	2,487.5	2,525.0	2,562.5	2,600.0	2,637.5	2,675.0	2,712.5	2,750.0	2,787.5	2,825.0	2,939.5	3,058.9	3,130.9	3,383.7	3,618.8	3,831.3	4,011.9
C222	119.9	122.8	125.7	128.6	131.5	134.4	137.3	140.2	143.1	146.0	149.0	151.9	154.8	157.7	160.6	163.5	166.4	169.3	172.2	175.1	178.1	181.0	183.9	186.8	189.7	192.6	195.5	198.4	201.3	204.2	207.2	210.1	213.0	215.9	218.8	221.7	224.6	227.5	230.4	233.3	236.3	244.7	254.8	259.9	279.8	298.1	314.4	328.0
C223	565.2	593.5	621.9	650.2	678.5	706.8	735.1	763.5	791.8	820.1	848.4	876.8	905.1	933.4	961.7	990.0	1,018.4	1,046.7	1,075.0	1,103.3	1,131.7	1,160.0	1,188.3	1,216.6	1,244.9	1,273.3	1,301.6	1,329.9	1,358.2	1,386.6	1,414.9	1,443.2	1,471.5	1,499.8	1,528.2	1,556.5	1,584.8	1,613.1	1,641.5	1,669.8	1,698.1	1,788.0	1,876.5	1,935.8	2,111.7	2,285.2	2,451.9	2,609.6
C224	131.0	137.7	144.3	151.0	157.6	164.3	170.9	177.5	184.2	190.8	197.5	204.1	210.8	217.4	224.1	230.7	237.3	244.0	250.6	257.3	263.9	270.6	277.2	283.8	290.5	297.1	303.8	310.4	317.1	323.7	330.3	337.0	343.6	350.3	356.9	363.6	370.2	376.9	383.5	390.1	396.8	417.9	438.6	452.6	493.8	534.5	573.6	610.6
C225	542.5	575.7	608.9	642.1	675.3	708.6	741.8	775.0	808.2	841.5	874.7	907.9	941.1	974.3	1,007.6	1,040.8	1,074.0	1,107.2	1,140.4	1,173.7	1,206.9	1,240.1	1,273.3	1,306.5	1,339.8	1,373.0	1,406.2	1,439.4	1,472.6	1,505.9	1,539.1	1,572.3	1,605.5	1,638.7	1,672.0	1,705.2	1,738.4	1,771.6	1,804.8	1,838.1	1,871.3	2,004.9	2,049.7	2,151.1	2,351.9	2,555.7	2,758.6	2,947.7
C226	3,270.3	3,321.1	3,372.0	3,422.8	3,473.6	3,524.5	3,575.3	3,626.2	3,677.0	3,727.9	3,778.7	3,829.5	3,880.4	3,931.2	3,982.1	4,032.9	4,083.8	4,134.6	4,185.5	4,236.3	4,287.1	4,338.0	4,388.8	4,439.7	4,490.5	4,541.4	4,592.2	4,643.1	4,693.9	4,744.7	4,795.6	4,846.4	4,897.3	4,948.1	4,999.0	5,049.8	5,100.6	5,151.5	5,202.3	5,253.2	5,304.0	5,418.5	5,664.2	5,708.7	6,073.3	6,395.7	6,672.2	6,890.1
C227	2,073.8	2,132.5	2,191.2	2,249.9	2,308.6	2,367.3	2,426.0	2,484.7	2,543.4	2,602.1	2,660.8	2,719.5	2,778.2	2,836.9	2,895.5	2,954.2	3,012.9	3,071.6	3,130.3	3,189.0	3,247.7	3,306.4	3,365.1	3,423.8	3,482.5	3,541.2	3,599.9	3,658.6	3,717.3	3,775.9	3,834.6	3,893.3	3,952.0	4,010.7	4,069.4	4,128.1	4,186.8	4,245.5	4,304.2	4,362.9	4,421.6	4,600.8	4,787.6	4,900.4	5,296.0	5,664.0	5,996.6	6,279.3
C228	268.5	282.1	295.7	309.3	322.9	336.6	350.2	363.8	377.4	391.0	404.6	418.2	431.8	445.4	459.0	472.7	486.3	499.9	513.5	527.1	540.7	554.3	567.9	581.5	595.2	608.8	622.4	636.0	649.6	663.2	676.8	690.4	704.0	717.7	731.3	744.9	758.5	772.1	785.7	799.3	812.9	856.2	898.6	927.2	1,011.7	1,095.0	1,175.2	1,251.1
C229	113.3	118.9	124.5	130.1	135.7	141.3	146.9	152.6	158.2	163.8	169.4	175.0	180.6	186.2	191.8	197.5	203.1	208.7	214.3	219.9	225.5	231.1	236.8	242.4	248.0	253.6	259.2	264.8	270.4	276.1	281.7	287.3	292.9	298.5	304.1	309.7	315.3	321.0	326.6	332.2	337.8	355.6	373.2	384.9	419.8	454.2	487.2	518.4
C230	194.4	204.3	214.2	224.0	233.9	243.7	253.6	263.5	273.3	283.2	293.1	302.9	312.8	322.6	332.5	342.4	352.2	362.1	371.9	381.8	391.7	401.5	411.4	421.2	431.1	441.0	450.8	460.7	470.6	480.4	490.3	500.1	510.0	519.9	529.7	539.6	549.4	559.3	569.2	579.0	588.9	620.2	650.9	671.7	732.9	793.3	851.3	906.3
C231	14.8	15.6	16.3	17.1	17.8	18.6	19.3	20.1	20.8	21.6	22.3	23.1	23.9	24.6	25.4	26.1	26.9	27.6	28.4	29.1	29.9	30.6	31.4	32.1	32.9	33.6	34.4	35.1	35.9	36.6	37.4	38.1	38.9	39.6	40.4	41.1	41.9	42.7	43.4	44.2	44.9	47.3	49.6	51.2	55.9	60.5	64.9	69.1
C232	1,789.5	1,859.7	1,929.9	2,000.0	2,070.2	2,140.4	2,210.5	2,280.7	2,350.9	2,421.1	2,491.2	2,561.4	2,631.6	2,701.7	2,771.9	2,842.1	2,912.2	2,982.4	3,052.6	3,122.7	3,192.9	3,263.1	3,333.2	3,403.4	3,473.6	3,543.8	3,613.9	3,684.1	3,754.3	3,824.4	3,894.6	3,964.8	4,034.9	4,105.1	4,175.3	4,245.4	4,315.6	4,385.8	4,455.9	4,526.1	4,596.3	4,802.7	5,039.1	5,186.3	5,637.3	6,068.1	6,469.8	6,829.6
C233	140.8	143.0	145.2	147.3	149.5	151.7	153.9	156.1	158.3	160.5	162.7	164.9	167.0	169.2	171.4	173.6	175.8	178.0	180.2	182.4	184.6	186.7	188.9	191.1	193.3	195.5	197.7	199.9	202.1	204.3	206.4	208.6	210.8	213.0	215.2	217.4	219.6	221.8	224.0	226.1	228.3	233.3	243.8	245.8	261.5	275.3	287.2	296.6
C234	675.2	694.3	713.4	732.6	751.7	770.8	789.9	809.0	828.1	847.2	866.3	885.4	904.6	923.7	942.8	961.9	981.0	1,000.1	1,019.2	1,038.3	1,057.4	1,076.5	1,095.7	1,114.8	1,133.9	1,153.0	1,172.1	1,191.2	1,210.3	1,229.4	1,248.5	1,267.7	1,286.8	1,305.9	1,325.0	1,344.1	1,363.2	1,382.3	1,401.4	1,420.5	1,439.7	1,498.0	1,558.8	1,595.5	1,724.4	1,844.2	1,952.5	2,044.5
C235	36.8	37.4	37.9	38.5	39.1	39.6	40.2	40.8	41.4	41.9	42.5	43.1	43.6	44.2	44.8	45.4	45.9	46.5	47.1	47.6	48.2	48.8	49.4	49.9	50.5	51.1	51.6	52.2	52.8	53.4	53.9	54.5	55.1	55.7	56.2	56.8	57.4	57.9	58.5	59.1	59.7	60.9	63.7	64.2	68.3	71.9	75.0	77.5
C236	166.0	170.7	175.3	180.0	184.7	189.4	194.1	198.8	203.5	208.2	212.9	217.6	222.2	226.9	231.6	236.3	241.0	245.7	250.4	255.1	259.8	264.5	269.1	273.8	278.5	283.2	287.9	292.6	297.3	302.0	306.7	311.3	316.0	320.7	325.4	330.1	334.8	339.5	344.2	348.9	353.6	366.5	384.1	392.5	423.5	452.5	479.0	502.1
C237	3.7	3.8	4.0	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.1	5.2	5.3	5.5	5.6	5.8	5.9	6.0	6.2	6.3	6.4	6.6	6.7	6.9	7.0	7.1	7.3	7.4	7.6	7.7	7.8	8.0	8.1	8.2	8.4	8.5	8.7	8.8	8.9	9.1	9.2	9.7	10.0	10.3	11.3	12.1	12.9	13.6
C238	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9
C239	4,001.3	4,151.9	4,302.5	4,453.1	4,603.8	4,754.4	4,905.0	5,055.6	5,206.2	5,356.8	5,507.4	5,658.1	5,808.7	5,959.3	6,109.9	6,260.5	6,411.1	6,561.7	6,712.3	6,863.0	7,013.6	7,164.2	7,314.8	7,465.4	7,616.0	7,766.6	7,917.3	8,067.9	8,218.5	8,369.1	8,519.7	8,670.3	8,820.9	8,971.5	9,122.2	9,272.8	9,423.4	9,574.0	9,724.6	9,875.2	10,025.8	10,528.6	10,923.4	11,260.8	12,264.5	13,193.6	14,050.5	14,828.3
C240	1,129.5	1,173.8	1,218.1	1,262.4	1,306.7	1,351.0	1,395.3	1,439.6	1,483.9	1,528.1	1,572.4	1,616.7	1,661.0	1,705.3	1,749.6	1,793.9	1,838.2	1,882.5	1,926.8	1,971.1	2,015.3	2,059.6	2,103.9	2,148.2	2,192.5	2,236.8	2,281.1	2,325.4	2,369.7	2,414.0	2,458.2	2,502.5	2,546.8	2,591.1	2,635.4	2,679.7	2,724.0	2,768.3	2,812.6	2,856.9	2,901.1	3,031.5	3,180.7	3,273.6	3,558.2	3,830.1	4,083.7	4,310.8
C241	463.6	487.1	510.6	534.1	557.6	581.1	604.6	628.1	651.6	675.1	698.6	722.1	745.6	769.1	792.6	816.1	839.6	863.1	886.6	910.1	933.6	957.1	980.6	1,004.1	1,027.6	1,051.1	1,074.6	1,098.1	1,121.6	1,145.1	1,168.6	1,192.1	1,215.6	1,239.1	1,262.6	1,286.1	1,309.6	1,333.1	1,356.6	1,380.1	1,403.6	1,478.4	1,551.5	1,600.9	1,746.8	1,890.7	2,029.1	2,160.1
C242	12.8	13.3	13.8	14.3	14.7	15.2	15.7	16.2	16.7	17.1	17.6	18.1	18.6	19.1	19.6	20.0	20.5	21.0	21.5	22.0	22.4	22.9	23.4	23.9	24.4	24.9	25.3	25.8	26.3	26.8	27.3	27.7	28.2	28.7	29.2	29.7	30.2	30.6	31.1	31.6	32.1	33.7	35.0	36.0	39.3	42.2	45.0	47.5

Source: JICA Survey Team

1.3.4 Other Water Demand

(1) Water Permits by NWRB

Table DBH-99 Water Permits as of May 2021 by NWRB (litter/sec)



Source: JICA Survey Team

(2) Estimated Municipality-wise Other Water Demands

Table DBH-100 Estimated Other Water Demands by Municipality (SW) [WRR-V] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Albay	Bacacay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Bato Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Camalig	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Daraga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Guinobatan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Jovellar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Legazpi City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Libon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Ligao City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Malilipot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Malinao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Manito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Oas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Pio Duran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Polangui	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Rapu-Rapu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Santo Domingo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Tabaco City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Tiwi	2,226.98	2,261.61	2,296.25	2,330.88	2,365.52	2,400.15	2,434.78	2,469.42	2,504.05	2,538.68	2,573.32	2,607.95	2,642.58	2,677.22	2,711.85	2,746.48	2,781.12	2,815.75	2,850.39	2,885.02	2,919.65	2,954.29	2,988.92	3,023.55	3,058.19	3,092.82	3,127.45	3,162.09	3,196.72	3,231.36	3,265.99	3,300.62	3,335.26	3,369.89	3,404.52	3,439.16	3,473.79	3,508.42	3,543.06	3,577.69	3,612.32	3,690.29	3,857.57	3,887.99	4,136.39	4,355.98	4,544.31	4,692.70
Camarines Norte	Basud	1,005.29	1,056.25	1,107.21	1,158.17	1,209.13	1,260.09	1,311.05	1,362.01	1,412.97	1,463.93	1,514.89	1,565.85	1,616.81	1,667.77	1,718.73	1,769.69	1,820.65	1,871.61	1,922.57	1,973.53	2,024.49	2,075.45	2,126.41	2,177.37	2,228.33	2,279.29	2,330.25	2,381.21	2,432.17	2,483.13	2,534.09	2,585.05	2,636.01	2,686.97	2,737.93	2,788.89	2,839.85	2,890.81	2,941.77	2,992.73	3,043.69	3,205.78	3,364.38	3,471.53	3,787.82	4,099.87	4,399.90	4,684.13
Camarines Norte	Capalonga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Daet	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Jose Panganiban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Labo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Mercedes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Paracale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	San Lorenzo Ruiz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	San Vicente	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Santa Elena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Talisay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Vinzons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Baao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Balatan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bato Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bombon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Buhi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Buhi Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Cabusao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Calabanga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Camaligan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Canaman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Caramoan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Del Gallego	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Gainza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Garchitorena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Goa	103.72	106.66	109.59	112.53	115.47	118.40	121.34	124.27	127.21	130.14	133.08	136.02	138.95	141.89	144.82	147.76	150.69	153.63	156.57	159.50	162.44	165.37	168.31	171.24	174.18	177.12	180.05	182.99	185.92	188.86	191.79	194.73	197.67	200.60	203.54	206.47	209.41	212.34	215.28	218.22	221.15	230.12	239.46	245.10	264.89	283.29	299.93	314.07
Camarines Sur	Iriga City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Lagonoy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Libmanan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Lupi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Magarao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Milaor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Minalabac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Nabua	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Naga City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Ocampo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Pamplona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Pasacao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Pili	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Presentacion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Ragay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Sagnay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	San Fernando	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	San Jose	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Sipocot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Siruma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Tigaon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Tinambac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Bagamanoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Baras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Bato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Caramoran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Gigmoto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Pandan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Panganiban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	San Andres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	San Miguel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Viga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Virac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Aroroy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Baleno	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Balud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Batuan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Cataingan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Cawayan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Claveria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Dimasalang	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Esperanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Mandaon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Masbate City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Milagros	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Mobo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Monreal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Palanas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Pio V. Corpuz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Placer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	San Fernando	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	San Jacinto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	San Pascual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Uson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quezon	Guinayangan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quezon	Tagkawayan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Barcelona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Bulan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Bulusan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Casiguran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Castilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Donsol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Gubat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Irosin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Juban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Magallanes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Matnog	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Pilar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Prieto Diaz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Santa Magdalena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Sorsogon City	5,626.78	5,847.41	6,068.03	6,288.66	6,509.29	6,729.92	6,950.55	7,171.18	7,391.81	7,612.44	7,833.07	8,053.70	8,274.33	8,494.95	8,715.58	8,936.21	9,156.84	9,377.47	9,598.10	9,818.73	10,039.36	10,259.99	10,480.62	10,701.24	10,921.87	11,142.50	11,363.13	11,583.76	11,804.39	12,025.02	12,245.65	12,466.28	12,686.91	12,907.54	13,128.16	13,348.79	13,569.42	13,790.05	14,010.68	14,231.31	14,451.94	15,100.97	15,844.40	16,307.16	17,725.10	19,079.82	20,342.65	21,473.94
Total		8,962.77	9,271.93	9,581.08	9,890.24	10,199.40	10,508.56	10,817.72	11,126.88	11,436.04	11,745.19	12,054.35	12,363.51	12,672.67	12,981.83	13,290.99	13,600.14	13,909.30	14,218.46	14,527.62	14,836.78	15,145.94	15,455.10	15,764.25	16,073.41	16,382.57	16,691.73	17,000.89	17,310.05	17,619.21	17,928.36	18,237.52	18,546.68	18,855.84	19,165.00	19,474.16	19,783.32	20,092.47	20,401.63	20,710.79	21,019.95	21,329.11	22,227.15	23,305.81	23,911.78	25,914.20	27,818.96	29,586.79	31,164.83

Source: JICA Survey Team

Table DBH-101 Estimated Other Water Demands by Municipality (GW) [WRR-V] (m^3/day)

Province	Municipality	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
Albay	Bacacay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Bato Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Camalig	265.93	270.06	274.20	278.33	282.46	286.60	290.73	294.86	299.00	303.13	307.27	311.40	315.53	319.67	323.80	327.93	332.07	336.20	340.34	344.47	348.60	352.74	356.87	361.00	365.14	369.27	373.41	377.54	381.67	385.81	389.94	394.07	398.21	402.34	406.48	410.61	414.74	418.88	423.01	427.14	431.28	440.59	460.56	464.17	493.82	520.03	542.51	560.24
Albay	Daraga	266.47	270.61	274.76	278.90	283.04	287.19	291.33	295.47	299.61	303.76	307.90	312.04	316.19	320.33	324.47	328.62	332.76	336.90	341.05	345.19	349.33	353.47	357.62	361.76	365.90	370.05	374.19	378.33	382.48	386.62	390.76	394.91	399.05	403.19	407.33	411.48	415.62	419.76	423.91	428.05	432.19	441.52	461.53	465.17	494.88	521.15	543.68	561.44
Albay	Guinobatan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Jovellar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Legazpi City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Libon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Ligao City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Malilipot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Malinao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Manito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Oas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Pio Duran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Polangui	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Rapu-Rapu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Santo Domingo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Tabaco City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Albay	Tiwi	0.74	0.75	0.76	0.78	0.79	0.80	0.81	0.82	0.83	0.85	0.86	0.87	0.88	0.89	0.90	0.91	0.93	0.94	0.95	0.96	0.97	0.98	1.00	1.01	1.02	1.03	1.04	1.05	1.06	1.08	1.09	1.10	1.11	1.12	1.13	1.15	1.16	1.17	1.18	1.19	1.20	1.23	1.28	1.29	1.38	1.45	1.51	1.56
Camarines Norte	Basud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Capalonga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Daet	#######	#######	#######	#######	16,189.40	16,871.80	17,554.20	18,236.60	18,919.00	19,601.40	20,283.80	20,966.20	21,648.60	22,331.00	23,013.40	23,695.81	24,378.21	25,060.61	25,743.01	26,425.41	27,107.81	27,790.21	28,472.61	29,155.01	29,837.41	30,519.81	31,202.21	31,884.61	32,567.01	33,249.42	33,931.82	34,614.22	35,296.62	35,979.02	36,661.42	37,343.82	38,026.22	38,708.62	39,391.02	40,073.42	40,755.82	42,926.00	45,050.40	46,484.76	50,720.02	54,899.57	58,916.62	62,722.28
Camarines Norte	Jose Panganiban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Labo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Mercedes	0.61	0.64	0.67	0.70	0.73	0.76	0.79	0.82	0.85	0.88	0.91	0.94	0.98	1.01	1.04	1.07	1.10	1.13	1.16	1.19	1.22	1.25	1.28	1.31	1.34	1.38	1.41	1.44	1.47	1.50	1.53	1.56	1.59	1.62	1.65	1.68	1.71	1.74	1.77	1.81	1.84	1.93	2.03	2.09	2.29	2.47	2.65	2.83
Camarines Norte	Paracale	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	San Lorenzo Ruiz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	San Vicente	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Santa Elena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Talisay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Norte	Vinzons	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Baao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Balatan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bato Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bombon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Buhi	15.43	15.87	16.30	16.74	17.18	17.61	18.05	18.49	18.92	19.36	19.80	20.23	20.67	21.11	21.54	21.98	22.42	22.85	23.29	23.73	24.16	24.60	25.04	25.47	25.91	26.35	26.78	27.22	27.66	28.09	28.53	28.97	29.40	29.84	30.28	30.71	31.15	31.59	32.02	32.46	32.90	34.23	35.62	36.46	39.40	42.14	44.62	46.72
Camarines Sur	Buhi Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Bula	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Cabusao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Calabanga	63.11	64.90	66.68	68.47	70.26	72.04	73.83	75.61	77.40	79.19	80.97	82.76	84.54	86.33	88.12	89.90	91.69	93.47	95.26	97.05	98.83	100.62	102.41	104.19	105.98	107.76	109.55	111.34	113.12	114.91	116.69	118.48	120.27	122.05	123.84	125.62	127.41	129.20	130.98	132.77	134.55	140.01	145.69	149.12	161.17	172.36	182.48	191.09
Camarines Sur	Camaligan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Canaman	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Caramoan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Del Gallego	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Gainza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Garchitorena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Goa	3.72	3.83	3.94	4.04	4.15	4.25	4.36	4.46	4.57	4.67	4.78	4.88	4.99	5.10	5.20	5.31	5.41	5.52	5.62	5.73	5.83	5.94	6.04	6.15	6.26	6.36	6.47	6.57	6.68	6.78	6.89	6.99	7.10	7.20	7.31	7.41	7.52	7.63	7.73	7.84	7.94	8.26	8.60	8.80	9.51	10.17	10.77	11.28
Camarines Sur	Iriga City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Lagonoy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Libmanan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Lupi	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Magarao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Milaor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Minalabac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Nabua	4.10	4.22	4.33	4.45	4.57	4.68	4.80	4.91	5.03	5.15	5.26	5.38	5.49	5.61	5.73	5.84	5.96	6.07	6.19	6.31	6.42	6.54	6.66	6.77	6.89	7.00	7.12	7.24	7.35	7.47	7.58	7.70	7.82	7.93	8.05	8.16	8.28	8.40	8.51	8.63	8.74	9.10	9.47	9.69	10.47	11.20	11.86	12.42
Camarines Sur	Naga City	8.37	10.21	12.05	13.88	15.72	17.56	19.40	21.23	23.07	24.91	26.75	28.58	30.42	32.26	34.09	35.93	37.77	39.61	41.44	43.28	45.12	46.96	48.79	50.63	52.47	54.30	56.14	57.98	59.82	61.65	63.49	65.33	67.16	69.00	70.84	72.68	74.51	76.35	78.19	80.03	81.86	91.62	85.81	93.69	115.72	123.76	131.02	137.20
Camarines Sur	Ocampo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Pamplona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Pasacao	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Pili	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Presentacion	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Ragay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Sagnay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	San Fernando	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	San Jose	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Sipocot	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Siruma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Tigaon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Camarines Sur	Tinambac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Bagamanoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Baras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Bato	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Caramoran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Gigmoto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Pandan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Panganiban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	San Andres	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	San Miguel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Viga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Catanduanes	Virac	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Aroroy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Baleno	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Balud	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Batuan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Cataingan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Cawayan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Claveria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Dimasalang	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Esperanza	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Mandaon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Masbate City	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Milagros	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Mobo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Monreal	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Palanas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Pio V. Corpuz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Placer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	San Fernando	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	San Jacinto	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	San Pascual	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Masbate	Uson	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quezon	Guinayangan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quezon	Tagkawayan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Barcelona	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Bulan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Bulusan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Casiguran	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Castilla	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Donsol	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Gubat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Irosin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Juban	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Magallanes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Matnog	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Pilar	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Prieto Diaz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Santa Magdalena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sorsogon	Sorsogon City	114.95	119.46	123.97	128.47	132.98	137.49	141.99	146.50	151.01	155.52	160.02	164.53	169.04	173.55	178.05	182.56	187.07	191.57	196.08	200.59	205.10	209.60	214.11	218.62	223.13	227.63	232.14	236.65	241.15	245.66	250.17	254.68	259.18	263.69	268.20	272.71	277.21	281.72	286.23	290.73	295.24	308.50	323.69	333.14	362.11	389.79	415.58	438.70
Total		#######	#######	#######	#######	17,001.27	17,700.77	18,400.28	19,099.79	19,799.30	20,498.81	21,198.32	21,897.83	22,597.33	23,296.84	23,996.35	24,695.86	25,395.37	26,094.88	26,794.39	27,493.90	28,193.40	28,892.91	29,592.42	30,291.93	30,991.44	31,690.95	32,390.46	33,089.96	33,789.47	34,488.98	35,188.49	35,888.00	36,587.51	37,287.02	37,986.53	38,686.03	39,385.54	40,085.05	40,784.56	41,484.07	42,183.58	44,403.00	46,584.69	48,048.39	52,410.77	56,694.09	60,803.32	64,685.75

Source: JICA Survey Team

(3) Estimated Sub-Basin-wise Other Water Demands

Table DBH-102 Estimated Other Water Demands by Sub-Basin (SW) [WRR-V] (m^3/day)

Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47	26.80	27.56	28.32	29.08	29.84	30.60	31.35	32.11	32.87	33.63	34.39	35.15	35.91	36.66	37.42	38.18	38.94	39.70	40.46	41.22	41.97	42.73	43.49	44.25	45.01	45.77	46.53	47.28	48.04	48.80	49.56	50.32	51.08	51.84	52.59	53.35	54.11	54.87	55.63	56.39	57.15	59.46	61.88	63.33	68.45	73.20	77.50	81.16
C48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C49	315.65	328.03	340.40	352.78	365.16	377.53	389.91	402.29	414.66	427.04	439.42	451.79	464.17	476.55	488.93	501.30	513.68	526.06	538.43	550.81	563.19	575.56	587.94	600.32	612.69	625.07	637.45	649.82	662.20	674.58	686.95	699.33	711.71	724.08	736.46	748.84	761.21	773.59	785.97	798.35	810.72	847.13	888.84	914.80	994.34	1,070.34	1,141.18	1,204.64
C50	114.55	119.04	123.53	128.02	132.52	137.01	141.50	145.99	150.48	154.97	159.47	163.96	168.45	172.94	177.43	181.92	186.41	190.91	195.40	199.89	204.38	208.87	213.36	217.86	222.35	226.84	231.33	235.82	240.31	244.80	249.30	253.79	258.28	262.77	267.26	271.75	276.25	280.74	285.23	289.72	294.21	307.42	322.56	331.98	360.85	388.43	414.13	437.16
C51	34.40	35.75	37.10	38.45	39.80	41.15	42.50	43.85	45.19	46.54	47.89	49.24	50.59	51.94	53.29	54.64	55.99	57.33	58.68	60.03	61.38	62.73	64.08	65.43	66.78	68.13	69.48	70.82	72.17	73.52	74.87	76.22	77.57	78.92	80.27	81.62	82.96	84.31	85.66	87.01	88.36	92.33	96.87	99.70	108.37	116.66	124.38	131.29
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C61	1,024.52	1,064.69	1,104.87	1,145.04	1,185.21	1,225.38	1,265.56	1,305.73	1,345.90	1,386.07	1,426.24	1,466.42	1,506.59	1,546.76	1,586.93	1,627.10	1,667.28	1,707.45	1,747.62	1,787.79	1,827.96	1,868.14	1,908.31	1,948.48	1,988.65	2,028.83	2,069.00	2,109.17	2,149.34	2,189.51	2,229.69	2,269.86	2,310.03	2,350.20	2,390.37	2,430.55	2,470.72	2,510.89	2,551.06	2,591.23	2,631.41	2,749.58	2,884.95	2,969.20	3,227.38	3,474.05	3,703.99	3,909.97
C62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C75	92.63	94.07	95.51	96.95	98.39	99.83	101.27	102.71	104.15	105.59	107.03	108.47	109.91	111.35	112.79	114.23	115.67	117.11	118.55	120.00	121.44	122.88	124.32	125.76	127.20	128.64	130.08	131.52	132.96	134.40	135.84	137.28	138.72	140.16	141.60	143.04	144.48	145.92	147.37	148.81	150.25	153.49	160.45	161.71	172.04	181.18	189.01	195.18
C76	486.28	493.84	501.41	508.97	516.53	524.09	531.66	539.22	546.78	554.34	561.91	569.47	577.03	584.59	592.16	599.72	607.28	614.84	622.41	629.97	637.53	645.09	652.66	660.22	667.78	675.34	682.91	690.47	698.03	705.59	713.16	720.72	728.28	735.84	743.41	750.97	758.53	766.10	773.66	781.22	788.78	805.81	842.34	848.98	903.22	951.17	992.29	1,024.69
C77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C78	1.22	1.26	1.29	1.33	1.36	1.40	1.43	1.47	1.50	1.53	1.57	1.60	1.64	1.67	1.71	1.74	1.78	1.81	1.85	1.88	1.92	1.95	1.98	2.02	2.05	2.09	2.12	2.16	2.19	2.23	2.26	2.30	2.33	2.37	2.40	2.43	2.47	2.50	2.54	2.57	2.61	2.71	2.82	2.89	3.12	3.34	3.54	3.70
C79	1,136.93	1,154.62	1,172.30	1,189.98	1,207.66	1,225.34	1,243.02	1,260.70	1,278.39	1,296.07	1,313.75	1,331.43	1,349.11	1,366.79	1,384.47	1,402.16	1,419.84	1,437.52	1,455.20	1,472.88	1,490.56	1,508.24	1,525.93	1,543.61	1,561.29	1,578.97	1,596.65	1,614.33	1,632.01	1,649.70	1,667.38	1,685.06	1,702.74	1,720.42	1,738.10	1,755.78	1,773.46	1,791.15	1,808.83	1,826.51	1,844.19	1,883.99	1,969.40	1,984.93	2,111.74	2,223.85	2,320.00	2,395.75
C80	2.09	2.12	2.15	2.18	2.22	2.25	2.28	2.31	2.35	2.38	2.41	2.44	2.47	2.51	2.54	2.57	2.60	2.64	2.67	2.70	2.73	2.77	2.80	2.83	2.86	2.90	2.93	2.96	2.99	3.03	3.06	3.09	3.12	3.16	3.19	3.22	3.25	3.29	3.32	3.35	3.38	3.46	3.61	3.64	3.87	4.08	4.26	4.40
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C85	75.42	76.59	77.76	78.94	80.11	81.28	82.45	83.63	84.80	85.97	87.15	88.32	89.49	90.66	91.84	93.01	94.18	95.36	96.53	97.70	98.87	100.05	101.22	102.39	103.57	104.74	105.91	107.08	108.26	109.43	110.60	111.78	112.95	114.12	115.29	116.47	117.64	118.81	119.99	121.16	122.33	124.97	130.64	131.67	140.08	147.51	153.89	158.92
C86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C88	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C89	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C90	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C93	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C94	2.58	2.65	2.73	2.80	2.87	2.94	3.02	3.09	3.16	3.24	3.31	3.38	3.46	3.53	3.60	3.68	3.75	3.82	3.89	3.97	4.04	4.11	4.19	4.26	4.33	4.41	4.48	4.55	4.62	4.70	4.77	4.84	4.92	4.99	5.06	5.14	5.21	5.28	5.35	5.43	5.50	5.72	5.96	6.10	6.59	7.05	7.46	7.81
C95	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C96	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C97	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02
C98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C100	5.29	5.55	5.82	6.09	6.36	6.63	6.89	7.16	7.43	7.70	7.97	8.23	8.50	8.77	9.04	9.31	9.57	9.84	10.11	10.38	10.65	10.91	11.18	11.45	11.72	11.99	12.25	12.52	12.79	13.06	13.33	13.59	13.86	14.13	14.40	14.67	14.93	15.20	15.47	15.74	16.01	16.86	17.69	18.26	19.92	21.56	23.14	24.63
C101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C107	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C108	7.09	7.29	7.49	7.69	7.89	8.09	8.29	8.49	8.69	8.89	9.09	9.29	9.49	9.69	9.89	10.09	10.29	10.50	10.70	10.90	11.10	11.30	11.50	11.70	11.90	12.10	12.30	12.50	12.70	12.90	13.10	13.30	13.50	13.70	13.90	14.10	14.31	14.51	14.71	14.91	15.11	15.72	16.36	16.74	18.10	19.35	20.49	21.46
C109	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C110	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C112	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C114	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C119	79.23	83.24	87.26	91.28	95.29	99.31	103.32	107.34	111.36	115.37	119.39	123.40	127.42	131.44	135.45	139.47	143.49	147.50	151.52	155.53	159.55	163.57	167.58	171.60	175.62	179.63	183.65	187.66	191.68	195.70	199.71	203.73	207.74	211.76	215.78	219.79	223.81	227.83	231.84	235.86	239.87	252.65	265.15	273.59	298.52	323.11	346.76	369.16
C120	15.24	15.67	16.10	16.53	16.96	17.39	17.82	18.26	18.69	19.12	19.55	19.98	20.41	20.84	21.27	21.71	22.14	22.57	23.00	23.43	23.86	24.29	24.72	25.16	25.59	26.02	26.45	26.88	27.31	27.74	28.17	28.61	29.04	29.47	29.90	30.33	30.76	31.19	31.62	32.06	32.49	33.80	35.18	36.00	38.91	41.62	44.06	46.14
C121	124.34	130.64	136.94	143.25	149.55	155.85	162.15	168.46	174.76	181.06	187.37	193.67	199.97	206.27	212.58	218.88	225.18	231.49	237.79	244.09	250.39	256.70	263.00	269.30	275.61	281.91	288.21	294.51	300.82	307.12	313.42	319.73	326.03	332.33	338.64	344.94	351.24	357.54	363.85	370.15	376.45	396.50	416.12	429.37	468.49	507.08	544.19	579.35
C122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C123	26.43	27.77	29.11	30.45	31.79	33.13	34.47	35.81	37.15	38.49	39.83	41.17	42.51	43.85	45.19	46.53	47.87	49.21	50.55	51.89	53.23	54.57	55.91	57.25	58.59	59.93	61.27	62.61	63.95	65.29	66.63	67.97	69.31	70.65	71.99	73.33	74.67	76.01	77.35	78.69	80.03	84.29	88.46	91.28	99.60	107.80	115.69	123.17
C124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C125	47.87	50.29	52.72	55.15	57.57	60.00	62.43	64.85	67.28	69.70	72.13	74.56	76.98	79.41	81.84	84.26	86.69	89.12	91.54	93.97	96.40	98.82	101.25	103.67	106.10	108.53	110.95	113.38	115.81	118.23	120.66	123.09	125.51	127.94	130.37	132.79	135.22	137.64	140.07	142.50	144.92	152.64	160.19	165.30	180.36	195.21	209.50	223.03
C126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C136	433.64	440.38	447.13	453.87	460.61	467.36	474.10	480.84	487.59	494.33	501.08	507.82	514.56	521.31	528.05	534.80	541.54	548.28	555.03	561.77	568.51	575.26	582.00	588.75	595.49	602.23	608.98	615.72	622.47	629.21	635.95	642.70	649.44	656.18	662.93	669.67	676.42	683.16	689.90	696.65	703.39	718.57	751.15	757.07	805.44	848.20	884.87	913.76
C137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C151	24.01	24.69	25.37	26.04	26.72	27.40	28.08	28.76	29.44	30.12	30.80	31.48	32.16	32.84	33.52	34.20	34.88	35.56	36.24	36.92	37.60	38.28	38.95	39.63	40.31	40.99	41.67	42.35	43.03	43.71	44.39	45.07	45.75	46.43	47.11	47.79	48.47	49.15	49.83	50.51	51.19	53.26	55.42	56.73	61.31	65.57	69.42	72.69
C152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C153	16.19	16.65	17.11	17.57	18.03	18.48	18.94	19.40	19.86	20.32	20.78	21.23	21.69	22.15	22.61	23.07	23.53	23.98	24.44	24.90	25.36	25.82	26.28	26.73	27.19	27.65	28.11	28.57	29.03	29.48	29.94	30.40	30.86	31.32	31.78	32.23	32.69	33.15	33.61	34.07	34.53	35.93	37.38	38.26	41.35	44.23	46.82	49.03
C154	10.59	10.89	11.19	11.49	11.79	12.09	12.39	12.69	12.99	13.29	13.59	13.89	14.19	14.49	14.79	15.09	15.39	15.69	15.99	16.28	16.58	16.88	17.18	17.48	17.78	18.08	18.38	18.68	18.98	19.28	19.58	19.88	20.18	20.48	20.78	21.08	21.38	21.68	21.98	22.28	22.58	23.49	24.45	25.02	27.05	28.92	30.62	32.07
C155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C165	101.10	106.22	111.35	116.47	121.60	126.72	131.85	136.97	142.10	147.22	152.35	157.47	162.60	167.72	172.85	177.97	183.10	188.22	193.34	198.47	203.59	208.72	213.84	218.97	224.09	229.22	234.34	239.47	244.59	249.72	254.84	259.97	265.09	270.22	275.34	280.47	285.59	290.72	295.84	300.97	306.09	322.39	338.34	349.12	380.93	412.31	442.48	471.06
C166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C177	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C178	229.28	240.90	252.53	264.15	275.77	287.40	299.02	310.64	322.26	333.89	345.51	357.13	368.75	380.38	392.00	403.62	415.25	426.87	438.49	450.11	461.74	473.36	484.98	496.60	508.23	519.85	531.47	543.10	554.72	566.34	577.96	589.59	601.21	612.83	624.46	636.08	647.70	659.32	670.95	682.57	694.19	731.16	767.33	791.77	863.91	935.08	1,003.51	1,068.33
C179	117.43	123.39	129.34	135.29	141.24	147.20	153.15	159.10	165.06	171.01	176.96	182.91	188.87	194.82	200.77	206.73	212.68	218.63	224.58	230.54	236.49	242.44	248.40	254.35	260.30	266.26	272.21	278.16	284.11	290.07	296.02	301.97	307.93	313.88	319.83	325.78	331.74	337.69	343.64	349.60	355.55	374.48	393.01	405.53	442.47	478.93	513.97	547.18
C180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C209	4,104.60	4,265.55	4,426.49	4,587.43	4,748.38	4,909.32	5,070.27	5,231.21	5,392.15	5,553.10	5,714.04	5,874.98	6,035.93	6,196.87	6,357.82	6,518.76	6,679.70	6,840.65	7,001.59	7,162.53	7,323.48	7,484.42	7,645.37	7,806.31	7,967.25	8,128.20	8,289.14	8,450.08	8,611.03	8,771.97	8,932.92	9,093.86	9,254.80	9,415.75	9,576.69	9,737.63	9,898.58	10,059.52	10,220.47	10,381.41	10,542.35	11,015.81	11,558.12	11,895.69	12,930.05	13,918.28	14,839.49	15,664.74
C210	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C211	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C214	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C218	33.05	34.35	35.64	36.94	38.23	39.53	40.82	42.12	43.42	44.71	46.01	47.30	48.60	49.90	51.19	52.49	53.78	55.08	56.38	57.67	58.97	60.26	61.56	62.85	64.15	65.45	66.74	68.04	69.33	70.63	71.93	73.22	74.52	75.81	77.11	78.41	79.70	81.00	82.29	83.59	84.88	88.70	93.06	95.78	104.11	112.07	119.48	126.13
C219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C230	73.44	77.17	80.89	84.61	88.34	92.06	95.78	99.50	103.23	106.95	110.67	114.40	118.12	121.84	125.57	129.29	133.01	136.73	140.46	144.18	147.90	151.63	155.35	159.07	162.80	166.52	170.24	173.96	177.69	181.41	185.13	188.86	192.58	196.30	200.03	203.75	207.47	211.19	214.92	218.64	222.36	234.20	245.79	253.62	276.73	299.52	321.44	342.21
C231	200.88	211.07	221.25	231.43	241.62	251.80	261.98	272.16	282.35	292.53	302.71	312.90	323.08	333.26	343.45	353.63	363.81	374.00	384.18	394.36	404.55	414.73	424.91	435.10	445.28	455.46	465.65	475.83	486.01	496.19	506.38	516.56	526.74	536.93	547.11	557.29	567.48	577.66	587.84	598.03	608.21	640.60	672.29	693.70	756.91	819.26	879.21	936.01
C232	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: JICA Survey Team

Table DBH-103 Estimated Other Water Demands by Sub-Basin (GW) [WRR-V] (m^3/day)

Sub-Basin	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040	2045	2050
C0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C34	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C40	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C43	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C44	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C47	0.96	0.99	1.02	1.04	1.07	1.10	1.13	1.15	1.18	1.21	1.23	1.26	1.29	1.32	1.34	1.37	1.40	1.43	1.45	1.48	1.51	1.53	1.56	1.59	1.62	1.64	1.67	1.70	1.73	1.75	1.78	1.81	1.83	1.86	1.89	1.92	1.94	1.97	2.00	2.02	2.05	2.14	2.22	2.27	2.46	2.63	2.78	2.91
C48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C49	6.45	6.70	6.95	7.21	7.46	7.71	7.97	8.22	8.47	8.72	8.98	9.23	9.48	9.74	9.99	10.24	10.49	10.75	11.00	11.25	11.51	11.76	12.01	12.26	12.52	12.77	13.02	13.28	13.53	13.78	14.03	14.29	14.54	14.79	15.05	15.30	15.55	15.80	16.06	16.31	16.56	17.31	18.16	18.69	20.31	21.87	23.31	24.61
C50	2.34	2.43	2.52	2.62	2.71	2.80	2.89	2.98	3.07	3.17	3.26	3.35	3.44	3.53	3.62	3.72	3.81	3.90	3.99	4.08	4.18	4.27	4.36	4.45	4.54	4.63	4.73	4.82	4.91	5.00	5.09	5.18	5.28	5.37	5.46	5.55	5.64	5.74	5.83	5.92	6.01	6.28	6.59	6.78	7.37	7.94	8.46	8.93
C51	0.70	0.73	0.76	0.79	0.81	0.84	0.87	0.90	0.92	0.95	0.98	1.01	1.03	1.06	1.09	1.12	1.14	1.17	1.20	1.23	1.25	1.28	1.31	1.34	1.36	1.39	1.42	1.45	1.47	1.50	1.53	1.56	1.58	1.61	1.64	1.67	1.69	1.72	1.75	1.78	1.81	1.89	1.98	2.04	2.21	2.38	2.54	2.68
C52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C61	20.93	21.75	22.57	23.39	24.21	25.03	25.85	26.67	27.50	28.32	29.14	29.96	30.78	31.60	32.42	33.24	34.06	34.88	35.70	36.52	37.34	38.16	38.99	39.81	40.63	41.45	42.27	43.09	43.91	44.73	45.55	46.37	47.19	48.01	48.83	49.65	50.47	51.30	52.12	52.94	53.76	56.17	58.94	60.66	65.93	70.97	75.67	79.88
C62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C63	10.74	10.90	11.07	11.24	11.40	11.57	11.74	11.90	12.07	12.24	12.40	12.57	12.74	12.91	13.07	13.24	13.41	13.57	13.74	13.91	14.07	14.24	14.41	14.57	14.74	14.91	15.07	15.24	15.41	15.58	15.74	15.91	16.08	16.24	16.41	16.58	16.74	16.91	17.08	17.24	17.41	17.79	18.59	18.74	19.94	21.00	21.90	22.62
C64	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.06
C65	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13
C66	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C67	12.96	13.16	13.36	13.56	13.76	13.96	14.16	14.37	14.57	14.77	14.97	15.17	15.37	15.57	15.78	15.98	16.18	16.38	16.58	16.78	16.98	17.19	17.39	17.59	17.79	17.99	18.19	18.39	18.60	18.80	19.00	19.20	19.40	19.60	19.80	20.01	20.21	20.41	20.61	20.81	21.01	21.47	22.44	22.62	24.06	25.34	26.43	27.30
C68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C69	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C73	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C74	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C75	0.47	0.48	0.49	0.51	0.52	0.53	0.54	0.56	0.57	0.58	0.60	0.61	0.62	0.63	0.65	0.66	0.67	0.69	0.70	0.71	0.72	0.74	0.75	0.76	0.78	0.79	0.80	0.81	0.83	0.84	0.85	0.87	0.88	0.89	0.90	0.92	0.93	0.94	0.96	0.97	0.98	1.02	1.06	1.09	1.17	1.25	1.33	1.39
C76	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.23	0.23	0.23	0.23	0.24	0.24	0.24	0.25	0.25	0.25	0.25	0.26	0.26	0.26	0.26	0.27	0.28	0.28	0.30	0.32	0.33	0.34
C77	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C78	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.10	0.10	0.10	0.11	0.12	0.13	0.13
C79	0.38	0.39	0.39	0.40	0.40	0.41	0.41	0.42	0.43	0.43	0.44	0.44	0.45	0.46	0.46	0.47	0.47	0.48	0.49	0.49	0.50	0.50	0.51	0.52	0.52	0.53	0.53	0.54	0.54	0.55	0.56	0.56	0.57	0.57	0.58	0.59	0.59	0.60	0.60	0.61	0.62	0.63	0.66	0.66	0.71	0.74	0.77	0.80
C80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C81	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C82	4.08	4.20	4.31	4.43	4.54	4.66	4.78	4.89	5.01	5.12	5.24	5.35	5.47	5.58	5.70	5.82	5.93	6.05	6.16	6.28	6.39	6.51	6.62	6.74	6.86	6.97	7.09	7.20	7.32	7.43	7.55	7.66	7.78	7.90	8.01	8.13	8.24	8.36	8.47	8.59	8.70	9.06	9.42	9.65	10.43	11.15	11.80	12.36
C83	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C84	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C85	4.37	4.50	4.62	4.74	4.87	4.99	5.11	5.24	5.36	5.48	5.61	5.73	5.86	5.98	6.10	6.23	6.35	6.47	6.60	6.72	6.84	6.97	7.09	7.21	7.34	7.46	7.58	7.71	7.83	7.95	8.08	8.20	8.32	8.45	8.57	8.69	8.82	8.94	9.07	9.19	9.31	9.69	10.08	10.32	11.15	11.93	12.62	13.22
C86	2.93	3.01	3.09	3.18	3.26	3.34	3.43	3.51	3.59	3.67	3.76	3.84	3.92	4.01	4.09	4.17	4.25	4.34	4.42	4.50	4.59	4.67	4.75	4.83	4.92	5.00	5.08	5.17	5.25	5.33	5.41	5.50	5.58	5.66	5.75	5.83	5.91	5.99	6.08	6.16	6.24	6.50	6.76	6.92	7.48	8.00	8.47	8.87
C87	8.49	8.73	8.97	9.21	9.45	9.69	9.93	10.17	10.41	10.65	10.90	11.14	11.38	11.62	11.86	12.10	12.34	12.58	12.82	13.06	13.30	13.54	13.78	14.02	14.26	14.50	14.74	14.98	15.22	15.46	15.70	15.94	16.18	16.42	16.66	16.90	17.14	17.38	17.62	17.86	18.10	18.84	19.60	20.07	21.69	23.19	24.55	25.71
C88	6.98	7.18	7.38	7.58	7.78	7.97	8.17	8.37	8.57	8.76	8.96	9.16	9.36	9.55	9.75	9.95	10.15	10.35	10.54	10.74	10.94	11.14	11.33	11.53	11.73	11.93	12.12	12.32	12.52	12.72	12.92	13.11	13.31	13.51	13.71	13.90	14.10	14.30	14.50	14.69	14.89	15.50	16.13	16.50	17.84	19.08	20.20	21.15
C89	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C90	1.00	1.02	1.05	1.08	1.11	1.14	1.17	1.19	1.22	1.25	1.28	1.31	1.33	1.36	1.39	1.42	1.45	1.48	1.50	1.53	1.56	1.59	1.62	1.64	1.67	1.70	1.73	1.76	1.79	1.81	1.84	1.87	1.90	1.93	1.96	1.98	2.01	2.04	2.07	2.10	2.12	2.21	2.30	2.35	2.54	2.72	2.88	3.02
C91	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C93	0.65	0.67	0.68	0.70	0.72	0.74	0.76	0.78	0.79	0.81	0.83	0.85	0.87	0.89	0.90	0.92	0.94	0.96	0.98	1.00	1.01	1.03	1.05	1.07	1.09	1.11	1.12	1.14	1.16	1.18	1.20	1.22	1.24	1.25	1.27	1.29	1.31	1.33	1.35	1.36	1.38	1.44	1.50	1.53	1.66	1.77	1.87	1.96
C94	0.09	0.10	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.19	0.19	0.19	0.19	0.20	0.21	0.21	0.22	0.24	0.25	0.27	0.28
C95	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.06	0.06	0.06	0.07
C96	5.10	5.25	5.40	5.55	5.70	5.85	6.00	6.15	6.30	6.45	6.60	6.75	6.91	7.06	7.21	7.36	7.51	7.66	7.81	7.96	8.11	8.26	8.41	8.56	8.71	8.86	9.01	9.16	9.31	9.46	9.61	9.76	9.91	10.06	10.21	10.36	10.51	10.66	10.82	10.97	11.12	11.59	12.03	12.33	13.38	14.31	15.15	15.87
C97	15.98	16.43	16.88	17.33	17.78	18.24	18.69	19.14	19.59	20.04	20.50	20.95	21.40	21.85	22.31	22.76	23.21	23.66	24.11	24.57	25.02	25.47	25.92	26.37	26.83	27.28	27.73	28.18	28.64	29.09	29.54	29.99	30.44	30.90	31.35	31.80	32.25	32.70	33.16	33.61	34.06	35.44	36.88	37.75	40.80	43.63	46.19	48.37
C98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C99	1.16	1.19	1.23	1.26	1.29	1.33	1.36	1.39	1.42	1.46	1.49	1.52	1.56	1.59	1.62	1.65	1.69	1.72	1.75	1.79	1.82	1.85	1.88	1.92	1.95	1.98	2.02	2.05	2.08	2.11	2.15	2.18	2.21	2.25	2.28	2.31	2.34	2.38	2.41	2.44	2.48	2.58	2.68	2.74	2.97	3.17	3.36	3.52
C100	0.13	0.13	0.14	0.15	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.25	0.25	0.26	0.26	0.27	0.28	0.28	0.29	0.30	0.30	0.31	0.32	0.32	0.33	0.34	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.39	0.41	0.43	0.44	0.48	0.52	0.56	0.60
C101	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C104	0.25	0.30	0.35	0.41	0.46	0.52	0.57	0.62	0.68	0.73	0.79	0.84	0.89	0.95	1.00	1.06	1.11	1.16	1.22	1.27	1.33	1.38	1.43	1.49	1.54	1.59	1.65	1.70	1.76	1.81	1.86	1.92	1.97	2.03	2.08	2.13	2.19	2.24	2.30	2.35	2.40	2.69	2.52	2.75	3.40	3.63	3.85	4.03
C105	20.11	20.80	21.49	22.17	22.86	23.54	24.23	24.91	25.60	26.29	26.97	27.66	28.34	29.03	29.72	30.40	31.09	31.77	32.46	33.14	33.83	34.52	35.20	35.89	36.57	37.26	37.95	38.63	39.32	40.00	40.69	41.37	42.06	42.75	43.43	44.12	44.80	45.49	46.18	46.86	47.55	49.94	51.28	52.91	58.24	62.28	65.94	69.05
C106	3.21	3.78	4.34	4.91	5.48	6.05	6.62	7.19	7.76	8.33	8.90	9.47	10.04	10.61	11.18	11.75	12.32	12.89	13.45	14.02	14.59	15.16	15.73	16.30	16.87	17.44	18.01	18.58	19.15	19.72	20.29	20.86	21.43	22.00	22.56	23.13	23.70	24.27	24.84	25.41	25.98	28.96	27.29	29.68	36.40	38.93	41.22	43.16
C107	0.41	0.47	0.52	0.58	0.64	0.69	0.75	0.81	0.86	0.92	0.97	1.03	1.09	1.14	1.20	1.26	1.31	1.37	1.43	1.48	1.54	1.60	1.65	1.71	1.77	1.82	1.88	1.93	1.99	2.05	2.10	2.16	2.22	2.27	2.33	2.39	2.44	2.50	2.56	2.61	2.67	2.96	2.81	3.04	3.69	3.95	4.18	4.38
C108	0.88	0.90	0.93	0.95	0.98	1.00	1.03	1.05	1.08	1.10	1.13	1.15	1.18	1.20	1.23	1.25	1.27	1.30	1.32	1.35	1.37	1.40	1.42	1.45	1.47	1.50	1.52	1.55	1.57	1.60	1.62	1.65	1.67	1.70	1.72	1.75	1.77	1.80	1.82	1.85	1.87	1.95	2.03	2.07	2.24	2.40	2.54	2.66
C109	0.26	0.27	0.28	0.28	0.29	0.30	0.31	0.31	0.32	0.33	0.33	0.34	0.35	0.36	0.36	0.37	0.38	0.39	0.39	0.40	0.41	0.42	0.42	0.43	0.44	0.45	0.45	0.46	0.47	0.47	0.48	0.49	0.50	0.50	0.51	0.52	0.53	0.53	0.54	0.55	0.56	0.58	0.60	0.62	0.67	0.71	0.75	0.79
C110	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
C111	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C112	0.47	0.49	0.50	0.51	0.53	0.54	0.55	0.57	0.58	0.60	0.61	0.62	0.64	0.65	0.66	0.68	0.69	0.70	0.72	0.73	0.74	0.76	0.77	0.78	0.80	0.81	0.82	0.84	0.85	0.86	0.88	0.89	0.90	0.92	0.93	0.94	0.96	0.97	0.98	1.00	1.01	1.05	1.10	1.12	1.21	1.30	1.37	1.44
C113	0.91	0.93	0.96	0.98	1.01	1.03	1.06	1.09	1.11	1.14	1.16	1.19	1.21	1.24	1.26	1.29	1.32	1.34	1.37	1.39	1.42	1.44	1.47	1.50	1.52	1.55	1.57	1.60	1.62	1.65	1.67	1.70	1.73	1.75	1.78	1.80	1.83	1.85	1.88	1.91	1.93	2.01	2.09	2.14	2.31	2.47	2.62	2.74
C114	1.54	1.58	1.63	1.67	1.71	1.76	1.80	1.84	1.89	1.93	1.98	2.02	2.06	2.11	2.15	2.19	2.24	2.28	2.32	2.37	2.41	2.45	2.50	2.54	2.59	2.63	2.67	2.72	2.76	2.80	2.85	2.89	2.93	2.98	3.02	3.07	3.11	3.15	3.20	3.24	3.28	3.42	3.55	3.64	3.93	4.21	4.45	4.66
C115	3.28	3.99	4.71	5.43	6.15	6.87	7.59	8.31	9.02	9.74	10.46	11.18	11.90	12.62	13.34	14.06	14.77	15.49	16.21	16.93	17.65	18.37	19.09	19.81	20.52	21.24	21.96	22.68	23.40	24.12	24.84	25.55	26.27	26.99	27.71	28.43	29.15	29.87	30.59	31.30	32.02	35.84	33.57	36.65	45.27	48.41	51.25	53.67
C116	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C117	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C119	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C120	0.89	0.91	0.94	0.97	0.99	1.02	1.04	1.07	1.09	1.12	1.14	1.17	1.19	1.22	1.25	1.27	1.30	1.32	1.35	1.37	1.40	1.42	1.45	1.47	1.50	1.53	1.55	1.58	1.60	1.63	1.65	1.68	1.70	1.73	1.75	1.78	1.80	1.83	1.86	1.88	1.91	1.99	2.06	2.11	2.29	2.45	2.59	2.71
C121	0.37	0.38	0.40	0.42	0.44	0.46	0.48	0.49	0.51	0.53	0.55	0.57	0.59	0.61	0.62	0.64	0.66	0.68	0.70	0.72	0.74	0.75	0.77	0.79	0.81	0.83	0.85	0.86	0.88	0.90	0.92	0.94	0.96	0.98	0.99	1.01	1.03	1.05	1.07	1.09	1.11	1.16	1.22	1.26	1.38	1.49	1.60	1.70
C122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C123	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C125	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.09
C126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C128	87.03	88.38	89.74	91.09	92.44	93.79	95.15	96.50	97.85	99.21	100.56	101.91	103.26	104.62	105.97	107.32	108.68	110.03	111.38	112.73	114.09	115.44	116.79	118.15	119.50	120.85	122.20	123.56	124.91	126.26	127.62	128.97	130.32	131.67	133.03	134.38	135.73	137.09	138.44	139.79	141.14	144.19	150.73	151.91	161.61	170.19	177.55	183.35
C129	5.61	5.70	5.79	5.87	5.96	6.05	6.14	6.22	6.31	6.40	6.48	6.57	6.66	6.75	6.83	6.92	7.01	7.09	7.18	7.27	7.36	7.44	7.53	7.62	7.71	7.79	7.88	7.97	8.05	8.14	8.23	8.32	8.40	8.49	8.58	8.67	8.75	8.84	8.93	9.01	9.10	9.30	9.72	9.80	10.42	10.97	11.45	11.82
C130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C136	4.95	5.09	5.23	5.37	5.50	5.64	5.78	5.92	6.06	6.20	6.33	6.47	6.61	6.75	6.89	7.03	7.16	7.30	7.44	7.58	7.72	7.86	7.99	8.13	8.27	8.41	8.55	8.68	8.82	8.96	9.10	9.24	9.38	9.51	9.65	9.79	9.93	10.07	10.21	10.34	10.48	10.90	11.35	11.61	12.54	13.41	14.19	14.86
C137	1.26	1.30	1.34	1.37	1.41	1.44	1.48	1.51	1.55	1.59	1.62	1.66	1.69	1.73	1.77	1.80	1.84	1.87	1.91	1.94	1.98	2.02	2.05	2.09	2.12	2.16	2.19	2.23	2.27	2.30	2.34	2.37	2.41	2.45	2.48	2.52	2.55	2.59	2.62	2.66	2.70	2.80	2.92	2.99	3.23	3.45	3.66	3.83
C138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C142	1.47	1.79	2.11	2.43	2.75	3.07	3.40	3.72	4.04	4.36	4.68	5.00	5.33	5.65	5.97	6.29	6.61	6.93	7.25	7.58	7.90	8.22	8.54	8.86	9.18	9.51	9.83	10.15	10.47	10.79	11.11	11.44	11.76	12.08	12.40	12.72	13.04	13.37	13.69	14.01	14.33	16.04	15.02	16.40	20.26	21.66	22.94	24.02
C143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C144	0.91	0.94	0.96	0.99	1.01	1.04	1.06	1.09	1.12	1.14	1.17	1.19	1.22	1.24	1.27	1.30	1.32	1.35	1.37	1.40	1.43	1.45	1.48	1.50	1.53	1.55	1.58	1.61	1.63	1.66	1.68	1.71	1.73	1.76	1.79	1.81	1.84	1.86	1.89	1.91	1.94	2.02	2.10	2.15	2.32	2.49	2.63	2.76
C145	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C151	0.86	0.89	0.91	0.94	0.96	0.98	1.01	1.03	1.06	1.08	1.11	1.13	1.15	1.18	1.20	1.23	1.25	1.28	1.30	1.33	1.35	1.37	1.40	1.42	1.45	1.47	1.50	1.52	1.55	1.57	1.59	1.62	1.64	1.67	1.69	1.72	1.74	1.76	1.79	1.81	1.84	1.91	1.99	2.04	2.20	2.35	2.49	2.61
C152	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C153	0.58	0.60	0.61	0.63	0.65	0.66	0.68	0.70	0.71	0.73	0.75	0.76	0.78	0.80	0.81	0.83	0.84	0.86	0.88	0.89	0.91	0.93	0.94	0.96	0.98	0.99	1.01	1.03	1.04	1.06	1.08	1.09	1.11	1.12	1.14	1.16	1.17	1.19	1.21	1.22	1.24	1.29	1.34	1.37	1.49	1.59	1.68	1.76
C154	0.38	0.39	0.40	0.41	0.42	0.43	0.44	0.46	0.47	0.48	0.49	0.50	0.51	0.52	0.53	0.54	0.55	0.56	0.57	0.58	0.60	0.61	0.62	0.63	0.64	0.65	0.66	0.67	0.68	0.69	0.70	0.71	0.72	0.74	0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.84	0.88	0.90	0.97	1.04	1.10	1.15
C155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C156	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C163	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C164	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C165	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C166	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C168	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C169	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C172	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C174	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C175	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C177	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	#######	38,708.65	39,391.05	40,073.45	40,755.85	42,926.02	45,050.43	46,484.79	50,720.06	54,899.60	58,916.65	62,722.32
C178	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C179	0.09	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.13	0.13	0.14	0.14	0.15	0.15	0.15	0.16	0.16	0.17	0.17	0.18	0.18	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	0.22	0.22	0.23	0.23	0.24	0.24	0.25	0.25	0.25	0.26	0.27	0.29	0.29	0.32	0.35	0.37	0.40
C180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C181	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C182	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C183	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C184	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C185	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C186	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C187	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C190	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C191	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C192	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C194	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C197	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C198	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C202	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C203	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C206	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C207	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C209	83.85	87.14	90.43	93.72	97.01	100.29	103.58	106.87	110.16	113.45	116.73	120.02	123.31	126.60	129.89	133.17	136.46	139.75	143.04	146.32	149.61	152.90	156.19	159.48	162.76	166.05	169.34	172.63	175.92	179.20	182.49	185.78	189.07	192.36	195.64	198.93	202.22	205.51	208.80	212.08	215.37	225.04	236.12	243.02	264.15	284.34	303.16	320.02
C210	96.94	98.45	99.95	101.46	102.97	104.47	105.98	107.49	108.99	110.50	112.01	113.52	115.02	116.53	118.04	119.54	121.05	122.56	124.06	125.57	127.08	128.59	130.09	131.60	133.11	134.61	136.12	137.63	139.13	140.64	142.15	143.66	145.16	146.67	148.18	149.68	151.19	152.70	154.21	155.71	157.22	160.61	167.89	169.21	180.02	189.58	197.77	204.23
C211	84.57	85.89	87.20	88.52	89.83	91.15	92.46	93.78	95.09	96.41	97.72	99.04	100.35	101.67	102.98	104.30	105.61	106.93	108.24	109.56	110.87	112.19	113.50	114.82	116.13	117.45	118.76	120.08	121.39	122.71	124.02	125.34	126.65	127.97	129.28	130.60	131.91	133.23	134.54	135.86	137.17	140.13	146.48	147.64	157.07	165.40	172.55	178.19
C212	1.87	1.90	1.93	1.96	1.99	2.02	2.05	2.08	2.10	2.13	2.16	2.19	2.22	2.25	2.28	2.31	2.34	2.37	2.40	2.42	2.45	2.48	2.51	2.54	2.57	2.60	2.63	2.66	2.69	2.72	2.74	2.77	2.80	2.83	2.86	2.89	2.92	2.95	2.98	3.01	3.04	3.10	3.24	3.27	3.48	3.66	3.82	3.94
C213	73.01	74.14	75.28	76.41	77.55	78.68	79.82	80.95	82.09	83.22	84.36	85.49	86.63	87.76	88.90	90.03	91.17	92.30	93.44	94.57	95.71	96.84	97.98	99.11	100.25	101.38	102.52	103.65	104.79	105.92	107.05	108.19	109.32	110.46	111.59	112.73	113.86	115.00	116.13	117.27	118.40	120.96	126.44	127.43	135.57	142.77	148.94	153.81
C214	61.49	62.45	63.40	64.36	65.32	66.27	67.23	68.18	69.14	70.09	71.05	72.01	72.96	73.92	74.87	75.83	76.79	77.74	78.70	79.65	80.61	81.57	82.52	83.48	84.43	85.39	86.35	87.30	88.26	89.21	90.17	91.13	92.08	93.04	93.99	94.95	95.91	96.86	97.82	98.77	99.73	101.88	106.50	107.34	114.19	120.25	125.45	129.55
C215	71.19	72.29	73.40	74.51	75.61	76.72	77.83	78.93	80.04	81.15	82.25	83.36	84.47	85.57	86.68	87.79	88.90	90.00	91.11	92.22	93.32	94.43	95.54	96.64	97.75	98.86	99.96	101.07	102.18	103.28	104.39	105.50	106.60	107.71	108.82	109.92	111.03	112.14	113.24	114.35	115.46	117.95	123.30	124.27	132.21	139.22	145.24	149.99
C216	19.63	19.93	20.24	20.54	20.85	21.15	21.46	21.76	22.07	22.37	22.68	22.98	23.29	23.59	23.90	24.20	24.51	24.81	25.12	25.42	25.73	26.03	26.34	26.64	26.95	27.25	27.56	27.86	28.17	28.47	28.78	29.08	29.39	29.69	30.00	30.31	30.61	30.92	31.22	31.53	31.83	32.52	33.99	34.26	36.45	38.38	40.04	41.35
C217	5.50	5.59	5.67	5.76	5.84	5.93	6.01	6.10	6.18	6.27	6.36	6.44	6.53	6.61	6.70	6.78	6.87	6.95	7.04	7.13	7.21	7.30	7.38	7.47	7.55	7.64	7.72	7.81	7.90	7.98	8.07	8.15	8.24	8.32	8.41	8.49	8.58	8.66	8.75	8.84	8.92	9.11	9.53	9.60	10.22	10.76	11.22	11.59
C218	0.68	0.70	0.73	0.75	0.78	0.81	0.83	0.86	0.89	0.91	0.94	0.97	0.99	1.02	1.05	1.07	1.10	1.13	1.15	1.18	1.20	1.23	1.26	1.28	1.31	1.34	1.36	1.39	1.42	1.44	1.47	1.50	1.52	1.55	1.58	1.60	1.63	1.65	1.68	1.71	1.73	1.81	1.90	1.96	2.13	2.29	2.44	2.58
C219	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C220	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C221	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C222	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C223	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C224	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C226	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C229	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C230	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C231	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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C233	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C234	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C235	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C236	1.78	1.81	1.84	1.86	1.89	1.92	1.95	1.97	2.00	2.03	2.06	2.08	2.11	2.14	2.17	2.20	2.22	2.25	2.28	2.31	2.33	2.36	2.39	2.42	2.44	2.47	2.50	2.53	2.55	2.58	2.61	2.64	2.67	2.69	2.72	2.75	2.78	2.80	2.83	2.86	2.89	2.95	3.08	3.11	3.31	3.48	3.63	3.75
C237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C238	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C241	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C242	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: JICA Survey Team

List of Data Collection

DATA COLLECTION SURVEY FOR NATIONAL WATER RESOURCES DEVELOPMENT AND MANAGEMENT PLAN IN THE REPUBLIC OF PHILIPPINES

List of Data Collection
Sector: Socio Economic Condition

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	2015 Census of Population, Report No. 2 –Demographic and Socioeconomic Characteristics, Philippines	All	Philippine Statistics Authority	28-12-20	Demographic Characteristics	PDF
2	2020 Census of Population and Housing	All	Philippine Statistics Authority	22-12-22	Demographic Characteristics	Excel
3	2010 Census-based Population Projections in collaboration with the Inter-Agency Working Group on Population Projections	All	Philippine Statistics Authority	02-2-21	Demographic Characteristics	Excel
4	2010 Census and Housing Population	All	Philippine Statistics Authority	02-2-21	Demographic Characteristics	PDF
5	Updated Projected Mid-Year Population Based on 2015 POPCEN by Five- Year Age Group, Sex, Single-Calendar Year and by Province: 2015 - 2025	All	Philippine Statistics Authority	29-3-21	Demographic Characteristics	Excel
6	World Economic Outlook Database, April 2023	-	International Monetary Fund	20-4-23	Economy	Excel
7	National Accounts of the Philippines	All	Philippine Statistics Authority	17-2-23	Economy	Excel
8	Regional Accounts of the Philippines	All	Philippine Statistics Authority	30-4-21	Economy	Excel
9	Ilocos-Regional Development Plan, 2017-2022 Midterm update	Region I	National Economic and Development Authority Regional Office 1	06-4-21	Economy	PDF
10	Cagayan Valley Regional Development Plan 2017-2022	Region II	National Economic and Development Authority Regional Office 2	18-1-21	Economy	PDF
11	Central Luzon Regional Development Plan 2017-2022	Region III	National Economic and Development Authority Regional Office 3	18-1-21	Economy	PDF
12	CALABARZON Regional Development Plan 2017-2022	Region IV-A	National Economic and Development Authority Regional Office 4-A	18-1-21	Economy	PDF
13	MIMAROPA Regional Development Plan 2017-2022	-	National Economic and Development Authority Regional Office 4-B	18-1-21	Economy	PDF
14	Bicol Regional Development Plan 2017-2022	Region V	National Economic and Development Authority Regional Office 5	18-1-21	Economy	PDF
15	Western Visayas Regional Development Plan 2017-2022	Region VI	National Economic and Development Authority Regional Office 6	18-1-21	Economy	PDF
16	Central Visayas Regional Development Plan 2017-2022	Region VII	National Economic and Development Authority Regional Office 7	18-1-21	Economy	PDF
17	Eastern Visayas Regional Development Plan 2017-2022	Region VIII	National Economic and Development Authority Regional Office 8	18-1-21	Economy	PDF
18	Zamboanga Peninsula Regional Development Plan 2017-2022	Region IX	National Economic and Development Authority Regional Office 9	18-1-21	Economy	PDF

19	Northern Mindanao Regional Development Plan 2017-2022	Region X	National Economic and Development Authority Regional Office 10	18-1-21	Economy	PDF
20	Davao Regional Development Plan 2017-2022	Region XI	National Economic and Development Authority Regional Office 11	18-1-21	Economy	PDF
21	SOCCSKSARGEN Regional Development Plan 2017-2022	Region XII	National Economic and Development Authority Regional Office 12	18-1-21	Economy	PDF
22	Caraga Regional Development Plan 2017-2022	Region XIII	National Economic and Development Authority Regional Office 13	18-1-21	Economy	PDF
23	NCR Regional Development Plan 2017-2022	-	Metropolitan Manila Development Authority	12-5-21	Economy	PDF
24	2021 Regional Social and Economic Trends Bicol Region	Region V	Philippine Statistics Authority	14-5-22	Physical Characteristics	PDF
25	2020 Regional Social and Economic Trends Cordillera Administrative Region	-	Philippine Statistics Authority	15-5-22	Physical Characteristics	PDF
26	2021 Regional Social and Economic Trends Cagayan Valley	Region II	Philippine Statistics Authority	25-5-22	Physical Characteristics	PDF
27	2020 Regional Social and Economic Trends Central Luzon	Region III	Philippine Statistics Authority	26-5-22	Physical Characteristics	PDF
28	2021 Calabarzon Regional Social and Economic Trends	Region IV-A	Philippine Statistics Authority	26-5-22	Physical Characteristics	PDF
29	2020 Regional Social and Economic Trends, Region VI- Western Visayas	Region VI	Philippine Statistics Authority	27-5-22	Physical Characteristics	PDF
30	2020 Regional Social and Economic Trends, Region VII- Central Visayas	Region VII	Philippine Statistics Authority	27-5-22	Physical Characteristics	PDF
31	2021 Regional Social and Economic Trends Eastern Visayas Region	Region VIII	Philippine Statistics Authority	27-5-22	Physical Characteristics	PDF
32	2021 Regional Social and Economic Trends Zamboanga Peninsula Region	Region IX	Philippine Statistics Authority	27-5-22	Physical Characteristics	PDF
33	2021 Regional Social and Economic Trends, Region X Northern Mindanao Region	Region X	Philippine Statistics Authority	27-5-22	Physical Characteristics	PDF
34	2021 Regional Social and Economic Trends, Davao Region	Region XI	Philippine Statistics Authority	30-5-22	Physical Characteristics	PDF
35	2020 Regional Social and Economic Trends, Region XIII- Caraga	Region XIII	Philippine Statistics Authority	27-5-22	Physical Characteristics	PDF
36	1st Bangsamoro Development Plan	-	The Bangsamoro Planning and Development Authority	25-4-23	Physical Characteristics	PDF
37	Philippines Development Plan 2023-2028	All	NEDA	16-1-23	Economy	PDF
38	Philippines Development Plan 2017-2022	All	NEDA	14-1-21	Economy	PDF
39	The Roadmap Study for Sustainable Urban Development in Metro Cebu	Region VII	JICA	07-9-22	Economic Benefit	PDF
40	2018 Family Income and Expenditure Survey	All	Philippine Statistics Authority	15-6-22	Economic Benefit	PDF
41	Selected Statistics on Agriculture and Fisheries 2022	All	Philippine Statistics Authority	08-9-22	Economic Benefit	PDF

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List of Data Collection
Sector: Hydrology

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	(Confidential)_Streamflow Data	all	DPWH	May 21, 2021	Hydrology	Excel
2	List of Water Level Observation Stations	all	NPC	February 8, 2021	Hydrology	Excel
3	(Confidential)_PAGASA Compilation of River Basins	all	PAGASA	February-2021	Hydrology	Excel
4	(Confidential)_NIA 2010-2018 Hydrological Data	all	NIA	May-2021	Hydrology	Excel
5	(Confidential)_NIA 2019 Hydrological Data	all	NIA	May-2021	Hydrology	Excel
6	(Confidential)_NIA 20020 Hydrological Data	all	NIA	May-2021	Hydrology	Excel
7	DPWH List of Meterological and Hydrological Observations Status	all	DPWH	March-2021	Hydrology	Excel
8	(Confidential)_DPWH Streamflow Data 1980-2000	all	DPWH	April-2021	Hydrology	Excel
9	(Confidential)_Hydromet, Rainfall Data and Location Map	all	DOST-ASTI	June 7, 2021	Hydrology	CSV
10	Locations of Synoptic and Agromet Stations	all	PAGASA	January 25, 2021	Hydrology	Excel
11	(Confidential)_Rainfall Data	all	PAGASA	May 17, 2021	Hydrology	Excel
12	(Confidential)_Water Permit List	all	NWRB	September 8, 2021	Hydrology	Excel
13	(Confidential)_Precipitation Data	all	PAGASA	December 21, 2021	Hydrology	Excel
14	(Confidential)_Daily Discharge Data	all	DPWH-BOD	February 8, 2022	Hydrology	Excel
15	Gauging Station Locations	all	DPWH 11	March 21, 2022	Hydrology	Excel
16	(Confidential)_Dischage Measurement Data for WRR V, VII and XI	WRR V, VII and XI	DPWH	April 5, 2022	Hydrology	Excel
17	(Confidential)_RIDF Data for Region 5, 7, 13, 11 and 12	Region 5, 7, 13, 11 and 12	PAGASA	June 27, 2022	Hydrology	Excel
18	(Confidential)_Rainfall Data for General Santos and Hinatuan	all	PAGASA	June 30, 2022	Hydrology	Excel

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List of Data Collection
Sector: Groundwater

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	Development of Groundwater Management Plan for Highly Urbanized Water Constraint Cities (Study Area: Metro Cebu and Surrounding Areas) - Final Report	VII	NWRB	27-2-22	Groundwater	PDF
2	Development of Groundwater Management Plan for Tagbilaran City and Surrounding Areas - Final Report	VII	NWRB	27-2-22	Groundwater	PDF
3	Conduct of Comprehensive Water Resources Assessment of the Davao River Basin - Final Report	XI	NWRB	27-2-22	Groundwater	PDF
4	Groundwater Resources Investigation Report	VII, XI	NWRB	22-3-22	Groundwater	PDF
5	(Confidential) Groundwater Investigation Report in Dumaguete	VII	NWRB	07-4-22	Groundwater	Word, Excel
6	(Confidential) Water Permit Aprication Evaluation Sheet - Groundwater Source	VII, XI	NWRB	22-3-22	Groundwater	PDF
7	Baseline Survey on Nationwide Groundwater Quality Monitoring in the Philippines	All	JICA	12-5-21	Groundwater	PDF
8	(Confidential) Observation Wells Data	VII	MCWD	03-3-22	Groundwater	Excel
9	(Confidential) Production Wells Data	VII	MCWD	03-3-22	Groundwater	Excel
10	Cebu Water Supply Project Phase II - Final Report (1991)	VII	MCWD	03-3-22	Water Supply	PDF
11	(Confidential) Rainfall Station of MCWD	VII	MCWD	03-3-22	Hydrology	SHP
12	Urban Water Supply and Sanitation Project - Interim Report (2011)	VII	MCWD	03-3-22	Groundwater	PDF
13	KotKot River Water Supply Study for MCWD - Pre FS(1998)	VII	MCWD	03-3-22	Water Supply	PDF
14	(Confidential) Philippine Groundwater Database	VII	MCWD	03-3-22	Groundwater	PDF
15	Water Resources Management Action Plan for Central Cebu (2005-2030)	VII	MCWD	03-3-22	Groundwater	PDF
16	(Confidential) Groundwater Resources Assessment Report (Albaym Catanduanes, Masbate, Sorsogon)	V	MGB R5	19-9-22	Groundwater	PDF
17	(Confidential) Well Inventory Database (Albaym Catanduanes, Masbate, Sorsogon)	V	MGB R5	19-9-22	Groundwater	Excel
18	(Confidential) Groundwater Resources Assessment Report (Municipal Level)	XI	MGB 11	22-3-22	Groundwater	PDF
19	(Confidential) Groundwater Resources Assessment Report (Province Level)	XI	MGB 11	22-3-22	Groundwater	PDF
20	(Confidential) Well Inventory Database (Municipal Level)	XI	MGB 11	22-3-22	Groundwater	SHP
21	(Confidential) Well Inventory Database (Province Level)	XI	MGB 11	22-3-22	Groundwater	SHP
22	(Confidential) Production Well Report of Jannuary 2022	VII	DCWD	10-3-22	Groundwater	PDF

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List of Data Collection
Sector: Irrigation

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	National Irrigation Master Plan 2020-2030, Main and Annexes	All	NEDA	2021/07/02	Irrigation	PDF
2	Inventory of National, Communal, Private & Other Government Assisted (OGA) Irrigation System, 2016 to 2020	All	NIA	2021/05/11	Irrigation	PDF
3	NIA Irrigation Program, 2011 to 2020	All	NIA	2021/07/07	Irrigation	PDF
4	Calculation Sheets of Irrigation Water Requirements for All Regions	All	NIA	2021/07/08-24	Irrigation	PDF
5	NISs General Features in Region V, VII and XI	V, VII, XI	NIA	2022/06/01-24	Irrigation	Excel
6	NISs Gate Data in Region V, VII and XI	V, VII, XI	NIA	2023/01/13-2/1	Irrigation	Excel
7	Paddy and Corn: Area Harvested by Ecosystem/ Crop type, by Quarter, by Semester, by Region and by Province, 1987-2021	All	DA-BAS	2022/06/24	Irrigation	Excel
8	Paddy and Corn: Volume of Production by Ecosystem/ Crop type, by Quarter, by Semester, by Region and by Province, 1987-2021	All	DA-BAS	2022/06/24	Irrigation	Excel
9	Data of Aqurfarms, 2012	All	DA-BFAR	2022/05/12	Irrigation	Excel
10	Data of Fresh Water Fishpond Area in Region V, VII and XI	V, VII, XI	FA-BFAR	2022/05/12	Irrigation	PDF
11	Existing Irrigation Systems Assisted by BSWM, As of December 31, 2020	All	DA-BSWM	2021/06/04	Irrigation	PDF
12	Inventory of Livestock and Poultry, 2012 to 2022	All	DA-BAI	2022/06/01	Irrigation	PDF

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List of Data Collection
Sector: Water Supply and Sewage

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	Philippine Water Supply and Sanitation Master Plan 2019-2030	All	NEDA	02-7-21	Water Supply	PDF
2	Philippine Sustainable Sanitation Roadmap	All	NEDA	02-7-21	Water Supply	PDF
3	Philippine Water Supply Sector Roadmap	All	NEDA	02-7-21	Water Supply	PDF
4	MC 2010 - 004 - ACCEPATBLE NON REVENUE WATER PERCENTAGE	All	LWUA	25-3-22	Water Supply	PDF
5	LWUA ACCOMPLISHMENT REPORT 2019	All	LWUA	02-9-22	Water Supply	PDF
6	Allocated Water 1975 to 2020_revised	All	NWRB	13-10-21	Water Supply	Excel

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List of Data Collection
Sector: Flood Risk Management

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	Latest Flood Control Mater Plan of 18 Major River Basins	All	DPWH	15-6-21	Flood	PDF
2	Integrated River Basin Management and Development Master Plan	All	DENR	19-1-22	Flood	PDF
3	Draft Final Report of Project for Master Plan and Feasibility Study on Flood Control and Drainage in Davao City	WRR XI	JICA	28-11-22	Flood	PDF

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List of Data Collection
Sector: Remote Sensing

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	GIS Shape File (Administrative Boundary)	All	PKII	February 22, 2021		shapefile
2	GIS Shape File (Airport)	All	PKII	February 24, 2021		shapefile
3	GIS Shape File (18 Major River Basin, Administrative Region, Protected Areas and WRR)	All	PKII	September 8, 2021		shapefile
4	NAMRIA-Land Cover	All	NAMRIA	June 30, 2021		shapefile
5	NAMRIA-Vector Data	All	NAMRIA	July 6, 2021		shapefile
6	GIS Shape File (National Roads)	All		February 22, 2021		shapefile
7	GIS Shape File (Protected Areas)	All		April 26, 2021		shapefile
8	ECMWF Reanalysis v5 (ERA5) (Original data is available at https://www.ecmwf.int/en/forecasts/dataset/ecmwf-reanalysis-v5)	All	ECMWF	Febrary 2, 2021	Hydrology	binary
9	GLOBAL SATELLITE MAPPING OF PRECIPITATION (GSMaP) (Original data is available at https://sharaku.eorc.jaxa.jp/GSMaP/index_j.htm)	All	JAXA	Febrary 2, 2021	Hydrology	binary
10	Climate Hazards Group InfraRed Precipitation with Station data (CHIRPS) (Original data is available at https://www.chc.ucsb.edu/data/chirps)	All	USGS/CHC	Febrary 2, 2021	Hydrology	netCDF

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List of Data Collection
Sector: Water Resources Facility

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	ClimateChange_in_the_Philippines_MDGF_Report_2011	all	PAGASA	December-2022	Water Resources	PDF
2	FINAL observed climate trends and projected climate change in thePhils 2018	all	PAGASA	December-2022	Water Resources	PDF
3	Climate Projection_PCXR2020_AnnexA	all	PAGASA	December-2022	Water Resources	PDF

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List of Data Collection
Sector: Organization and Legal Frameworks

No.	Name of Data	WRR	Source	Date Obtained	Sector	Type of Data
1	NWRB Annual Report 2015 - 2018	All	NWRB	09-5-21	Water Resources	PDF
2	Philippines Development Plan 2017-2022	All	NEDA	09-5-21	Water Resources	PDF
3	Philippines Development Plan 2023-2028	All	NEDA	16-1-23	Water Resources	PDF
4	Philippine Water Supply and Sanitation Master Plan 2019-2030	All	NEDA	02-7-21	Water Supply	PDF
5	The Local Goovernment Code of Philippines (RA No.7160)	All	DILG	09-5-21	Local Administration	PDF
6	WATER CODE OF THE PHILIPPINES and Amended Implementing Rules and Regulations (PD No.1067)	All	NWRB	16-2-21	Water Resources	PDF
7	Reconstituting the National Water Resources Board (E.O. No.123, 2002)	All	NWRB	16-2-21	Water Resources	PDF
8	Redefining the Composition and Powers of the National Water Resources Board (E.O.No.860, 2010)	All	NWRB	16-2-21	Water Resources	PDF
9	National Water Crisis Act of 1995 (RA No.8041)	All	FAO	09-5-21	Water Resources	PDF
10	An Act Creating the Metropolitan Waterworks and Sewerage System and Dissolving the National Waterworks and Sewerage Authority (RA No.6234)	All	Lawphil net	09-5-21	Water Supply	PDF
11	Provincial Water Utilities Act of 1973 (PD No.198, 1973)	All	Lawphil net	09-5-21	Water Supply	PDF
12	The House Bill for and Act Establishing the National Framework For Water Resource Management And Creating The Department Of Water Resources And The Water Regulatory Commission, Defining Their Mandates, Powers And Functions, And Appropriatings Funds Therefore (House Bill No.9948)	All	House of Representatives Website	16-5-23	Water Resources	PDF
13	The Philippine Local Government Water Sector (2020 The Philippines Institute for Development Study)	All	Philippines Institute of Development Sutdy	16-7-21	Water Supply	PDF
14	BOT Law (Republic Act N0.7718) and revised IRR	All	PPP Center	16-7-21	PPP	PDF
15	TRANSFERRING THE LOCAL WATER UTILITIES ADMINISTRATION (LWUA) FROM THE DEPARTMENT OF HEALTH TO THE DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS (DPWH) (E.O.No.62, 2011)	All	Official Gazette	09-5-21	Water Supply	PDF
16	Encouraging Private Sector Participation in the Operations and Facilities of the Metropolitan Waterworks and Sewerage System (E.O. No.311, 1996)	All	Official Gazette	09-5-21	Water Supply	PDF
17	Creating the Water Resources Management Office in the Department of Environment and Natural Resources (E.O No.22, 2023)	All	NEDA	28-4-23	Water Resources	PDF
18	Free Irrigation Service Act (Republic Act No.10969)	All	Official Gazette	10-12-22	Irrigation	PDF
19	Agriculture and Fisheries Modernization Act of 1997 (Republic of Act No.8435)	All	Official Gazette	10-12-22	Irrigation	PDF
20	The Annual Audit Report of the Metro Cebu Water District 2021	VII	Commission of Audit	10-12-22	Water Supply	PDF
21	The Annual Audit Report of the Metro Siquijor Water District 2021	VII	Commission of Audit	10-12-22	Water Supply	PDF
22	The Annual Audit Report of the Dumaguete City Water District 2021	VII	Commission of Audit	10-12-22	Water Supply	PDF
23	The Annual Audit Report of the Sibulan Water District 2021	VII	Commission of Audit	10-12-22	Water Supply	PDF
24	Regional Development Plan of Region VII 2017-2022	VII	NEDA Region VII	10-12-22	Water Resources	PDF
25	Central Visayas Water Supply and Sanitation Databook and Regional Roadmap	VII	NEDA	02-7-21	Water Supply	PDF
26	The Annual Audit Report of the Davao City Water District 2021	XI	Commission of Audit	10-12-22	Water Supply	PDF
27	The Annual Audit Report of the Tagum Water District 2021	XI	Commission of Audit	10-12-22	Water Supply	PDF
28	The Annual Audit Report of the General Santos Water District 2021	XI	Commission of Audit	10-12-22	Water Supply	PDF
29	Regional Development Plan of Region XI 2017-2022	XI	NEDA Region XI	10-12-22	Water Resources	PDF
30	Davao Region Water Supply and Sanitation Databook and Regional Roadmap	XI	NEDA	02-7-21	Water Supply	PDF
31	The Annual Audit Report of the Metro Naga Water District 2021	V	Commission of Audit	10-12-22	Water Supply	PDF
32	The Annual Audit Report of the Legaspi City Water District 2021	V	Commission of Audit	10-12-22	Water Supply	PDF
33	The Annual Audit Report of the Virac Water District 2021	V	Commission of Audit	10-12-22	Water Supply	PDF

34	The Annual Audit Report of the Masbate-Mobo Water District 2021	V	Commission of Audit	10-12-22	Water Supply	PDF
35	Regional Development Plan of Region V 2017-2022	V	NEDA Region V	10-12-22	Water Resources	PDF
36	Bicol Region Water Supply and Sanitation Databook and Regional Roadmap	V	NEDA	02-7-21	Water Supply	PDF
37	The number of LGUs in three regions (Cebu, Davao and Bicol)	VII, XI, V	PhilAtlas Website	30-11-22	Water Supply	HTML