7. WATER SOURCE DEVELOPMENT7.1 General

Table 7.1.1 Water Source Information

Filename: H2O-RES.XLS

COS	JTFI	NT: Water Sources - General Information	_ ~-		PAGE: 1					
		OLLECTION LEVEL: Municipal		PROV. NO.: 0371 DATE:						
		NUMBER : III		NAME : Zan						
	TE-	TYPE		Shallow Well	Deep Well	Spring				
1.	RY	TOTAL NUMBER		14,161	1,887	14				
10	ï	10/ GOVERNMENT AGENCY	To	1,508	1,887	9				
E	М	11/ PRIVATE	0	12,653	0	. 5				
N	L	12/ LEVEL I	0	14,036	1,863	3				
E	V	13/ LEVEL II	0	23	1)	3				
R	ւ	14/ LEVEL III	10	2	13	3				
A	ō	15/ WATER DISTRICT	10	2	10	3				
L	w	16/ MEO/CEO	0	434	543	l l				
	N	17/ RWSA	0	4	14	0				
l i	Е	18/ BWSA	0	0	8	0				
N	R	19/ INSTITUTION	0	0	0	0				
F	s	20/ COMMERCIAL ESTABLISH.	0	0	0	0				
o	H	21/ INDUST./AGRIC. UNDERT.	0	0	0	00				
R	1	22/ PUBLIC (DOMESTIC)	0	423	436	0				
M	Р	23/ PRIVATE (DOMESTIC)	0	12,764	98	0				
A		24/ SUBMERSIBLE/TURBINE	0	8	- 15	0				
Т	Α	25/ CENTRIFUGAL	0	1	1	0				
1	В	26/ HANDPUMP	0	11,440	1,802	0				
0	S	27/ BUCKET & ROPE	0	2,540	0	0				
N		28/ FREE FLOWING	0	0	0	4				
ł		29/ DRINKING	0	12,819	1.884	6				
	υ	30/ WASHING/BATHING	0	11,330	1,884	4				
	S	31/ GARDENING/IRRIGATION	0	11,330	1,884	4				
	Е	32/ BIG-SCALE IRRIGATION	0	0	0	0				
1		33/ PRODUCTION	0	0	0	0				
	W	34/ NO QUALITY PROBLEM	0	9,090	1,761	4				
	Α	35/ HIGH IRON/MAG. CONT.	0	0	0	0				
	T	36/ HIGH CHLORIDE CONTENT	0	0	0	0				
	Q	37/ TURB./COLORED/SMELL	0	0	. 0	0				
	U	38/ POLLUTED/CONTAMINATED	0	0	0	0				
1	Α	39/ CHLORINATED	0	2	44	0				
	Ł	40/ TREATED	0		6	1				
	P	41/ SEASONAL PRODUCTION	0		0	0				
		42/ AVG. CAP. < 100 m3/d	0		0	0				
1	0	43/ AVG, CAP. >= 100 m3/d	0			0				
1	D	44/ NO. OF HOUSEH. <5	. 0	1,	0	0				
L_		45/ NO. OF HOUSEH. >=5	0	11,396	1,885	5				

M 4.2

Filename: H2O-RES.XLS CONTENT: Water Sources - Source and Watershed Information PAGE: 2 OF 2 REGION NUMBER: PROV. NO.: DATE: NAME : Zambales CATE Shallow Well Deep Well Spring GORY TYPE 46/ OPEN-HOLE/-BOTTOM 0 #REF! 0 0 47/ SCREEN/SLOTED CASING 13049 1887 0 48/ DEPTH < 20 m 13049 0 0 0 49/ DEPTH >= 20 m 0 0 1887 0 E 50/ DIAM. < 100 mm (4") 0 o 0 L 51/ DIAM. >= 100 mm (4") o 14159 1887 1 Ł Н 0 52/ SWL < 5 m Below Ground 12444 2811 0 53/ SWL >= 5 m Below Ground 0 1722 75 0 I 54/ SPEC.CAP. < 3 m3/l/m o 0 0 0 0 55/ SPEC.CAP. >= 3 m3/h/m 0 0 0 F 56/ B-VALUE < 1,000 s/m2 0 o 57/ B-VALUE >= 1,000 s/m3 R 58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.) 0 M 59/ C-VAL. >= 60,000 s2/m6 0 60/ PRODUCTIVE O 14149 1884 Ţ 0 o 61/ ABAND., DRY/DECR. YIELD O 0 0 ł T 62/ ABAND., COL/STUC. PUMP 0 0 0 0 63/ ABAND, DEFECTIVE PUMP 0 0 0 0 N E 64/ ABAND., POOR WTR. QUAL. o 0 0 R 65/ CONTR. YEAR < 1980 0 2701 471 0 66/ CONTR. YEAR >= 1981 0 11458 1416 3 A T 67/ T-VALUE < 0.001 m2/s o Q E 68/ T-VALUE >= 0.001 m2/s 0 C 69/ S-VALUE < 0.01 U 0 707 S-VALUE >= 0.01 0 F 0 71/ ALLUVIAL FORMATION 0 E T 72/ VOLCANIC FORMATION o H 73 LIMESTONE FORMATION o o 74/ SANDSTONE FORMATION R 75/ OTH SEDIMENTARY FOR o 76/ MIN. YEILD < 10 m3/h o 0 0 0 C 77/ MIN. YEILD >= 10 m3/h o 0 0 0 Þ O 78 SPRING BOX, PUMPED o 0 0 0 R T 79/ TAPPED USING GRAVITY o 0 0 7 80V UNTAPPED SPRINGS o 0 0 1 ST 81/ MIN. YIELD < 25 m3/h o 0 0 Û 82/ MIN. YIELD >= 25 m3/h 0 0 0 0 O 83 RIVER REGULATION 0 0 0 0 Ŧ 84/ QUARRY IN RIVER BED o 0 Û 0 W H 85/ TRANSPORTATION (BOATS) ò Ω 0 0 w 86/ MINING ACTIVITIES ٥ ò 0 0 T G 87/ LOGGING ACTIVITIES o 0 0 0 B 88/ LOGGING BAN R 0 0 0 0 N 89/ REFORESTATION ACTIVITY S o 0 0 90V AQUACULTURE ACTIVITY 0 0

LEGEND: o - Specify figure

Filename: H2O-RES.XLS

		NT: Water Sources - General Information	on	DROV NO			PAGE: 1 C	or Z			
		COLLECTION LEVEL: Municipal		PROV. NO NAME	: ZAMBAI	LFS	[UATE :				
	TE-	N NUMBER: 3		MANIE	. BAIDAI	1/1/20	BARANGA	AY NO.: Not	Applicabl		
	RY				 		NAME		Applicabl		
Ī		I/ MUNICIPALITY NO. / NAME		SAN MAR	CELINO		CASTILLEJOS				
G		ТУРЕ		Shallow Well	Deep Well	Spring	Shallow Well	Deep Well	Spring		
		TOTAL NUMBER		1,154	151	1	1,369	139			
E	I	10/ GOVERNMENT AGENCY	0	43	151	1	159	139			
N,	М	11/ PRIVATE	0	1,111			1,210				
Е	L	12/ LEVEL I	o	1,154	151	1	1,369	139			
R	v	13/ LEVEL II	0								
A	L	14/ LEVEL III	o				<u> </u>		- 		
L	o	15/ WATER DISTRICT	0								
ļ	w	16/ MEO/CEO	0	43	151	l	159	139			
	N	17/ RWSA	0								
ſ	Е	18/ BWSA	0								
N	R	19/ INSTITUTION	0				1				
F	s	20/ COMMERCIAL ESTABLISH.	0								
o	н	21/ INDUST./AGRIC. UNDERT.	0	i							
R	1	22/ PUBLIC (DOMESTIC)	0				<u> </u>				
М	P	23/ PRIVATE (DOMESTIC)	1.	1,111	- 		1,210				
Α		24/ SUBMERSIBLE/TURBINE	0								
T	Λ	25/ CENTRIFUGAL	6	-							
ı	В	26/ HANDPUMP	0	1,154	151		1,369	139			
O	s	27/ BUCKET & ROPE	0		<u> </u>	:					
N		28/ FREE FLOWING	7								
	ļ	29/ DRINKING	6	1,154	151	1	1,369	139			
	U	30/ WASHING/BATHING	,	1,154	151	1	1,369	139	-		
	s	31/ GARDENING/IRRIGATION	0	1,154	151	1	1,369	139			
	Е	32/ BIG-SCALE IRRIGATION	·		1						
		33/ PRODUCTION	0				†				
	W	34/ NO QUALITY PROBLEM	1 0	1,154	151	1	1,369	17			
		35/ HIGH IRON/MAG. CONT.	0	, , , , , , , , , , , , , , , , , , , ,			1		· · · · · · · · · · · · · · · · · · ·		
	Т	36/ HIGH CHLORIDE CONTENT	0	 	 		<u> </u>	-			
٠,	ı	37/ TURB/COLORED/SMELL	† <u> </u>			1.4	1				
	υ	38/ POLLUTED/CONTAMINATED	°	 		:	1				
	٨		† °	·	 		1				
	Ľ	57 CHEOMATILE	10	 			1]			
	F	40/ TREATED	10	 							
	R	41) SEASONABI RODUCTION	10	- 			1				
	lo	THE MICHELL COURSE	10		 	 					
	D	437 711 0. C.T.T	T,		 		 	- 			
	۱"	44) 110. Of 11000BH. 45	l o		151	1	1,369	139			
	L	45/ NO. OF HOUSEH. >=5 ID: o - Specify figure	ــــــــــــــــــــــــــــــــــــــ	1		L	1				

Filename: H2O-RES.XLS

<u></u>	MITE	NT: Water Sources - Source and Watershed Infor	mati	on.			I	Filename: H	20-RES.XI	
			141411	1			PAGE: 2 OF 2			
		COLLECTION LEVEL: Municipal		PROV. NO			DATE:			
RE	GIO	N NUMBER: 3		NAME	: ZAMBAI	LES	T			
CA	TE-	MUNICIPALITY NO. / NAME		SAN MAR	CELINO		CASTILL Shallow	FJOS		
co	RY.	TYPE		Shallow Well	Deep Well	Spring	Well	Deep Well	Spring	
-		46/ OPEN-HOLE/-BOTTOM	0	,,,,,,						
		47/ SCREEN/SLOTED CASING	0	1,154	151	1 .	1,369	139		
		48/ DEPTH < 20 m	0	1,154			1,369			
W	T	49/ DEPTH >= 20 m	0		151			139	<u>.</u>	
E		50/ ĐIAM. < 100 mm (4")	0					ļ		
Ł	t .	51/ DIAM. >= 100 mm (4")	0	1,154	151	<u>l</u>	1,369	139		
L	[H .	52/ SWL < 5 m Below Ground	0	1,154	148		1,369	137		
	N	53/ SWL >= 5 m Below Ground	0	6	3 :			2		
1	1	54/ SPEC.CAP. < 3 m3/b/m	0							
N	C	55/ SPEC.CAP.>= 3 m⅓l√m	0							
F	A	56/ B-VALUE < 1,000 s/m2	0		<u> </u>			<u> </u>		
0	Լ	57/ B-VALUE>= 1,000 s/m3	0							
R		58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.)	0							
M		59/ C-VAL >= 60,000 s2/m6	0							
A	一	60 PRODUCTIVE	0	1,154	151	1	1,369	139		
Ţ	Ó	61/ ABAND, DRY/DECR. YIELD	0							
ī	T	62/ ABAND., COL/STUC. PUMP	0							
0	Ħ	6V ABAND, DEFECTIVE PUMP	0			:				
N	E	64/ ABAND., POOR WTR. QUAL	0							
	R	65/ CONTR. YEAR < 1980	1.			1		1		
	1	66/ CONTR. YEAR >= 1981	1	1,154	151		1,369	139		
A	T	67/ T-VALUE < 0.001 m2/s	† ·				1,507	i		
Q	E	68/ T-VALUE>= 0.001 m2/s	† -							
Ū	Ç	69/ S.VALUE < 0.01	Ť	} -	 			 		
ī	R		10				·	 		
F	0	70/ S-VALUE>= 0.01	1	}	·					
E	T	71/ ALLUVIAL FORMATION	0					· -		
R	K	72/ VOLCANIC FORMATION		 		<u> </u>		 		
^	E	73/ LIMESTONE PORMATION	P	 						
	i	74/ SANDSTONE FORMATION	0	 						
	R	757 OTH. SEDIMENTARY FOR.	10	<u> </u>			ļ	 		
٦	!	76/ MIN. YEILD < 10 m3/h	<u> </u>	ļ			ļ			
S	ç	77/ MIN. YEILD >= 10 m.Vh	10	<u></u>				ļ		
P	0	78/ SPRING BOX, PUMPED	0	<u> </u>		<u>-</u>	ļ	 		
R	T	79/ TAPPED USING GRAVITY	l°.	ļ	 	L	ļ			
_	H	80/ UNTAPPED SPRINGS	10	ļ				_	_ 	
S	T	81/ MIN. YIELD < 25 m3/h	0	 	 	·	ļ	 		
V	c	82/ MIN. YIELD >= 25 m3/h	0		ļ					
R	0	837 RIVER REGULATION	0	 			ļ			
F	T	84/ QUARRY IN RIVER BED	0			<u> </u>		 		
W	Н	85/ TRANSPORTATION (BOATS)	0	<u> </u>	1					
W		86/ MINING ACTIVITIES	0	<u> </u>			ļ	<u> </u>		
T	G	87/ LOGGING ACTIVITIES	0				ļ	<u> </u>		
R	E	88/ LOGGING BAN	٥				<u> </u>			
s	N	89/ REFORESTATION ACTIVITY	0							
ĺн		907 AQUACULTURE ACTIVITY	0							

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M 4.1 Filename: H2O-RES.XLS

				,				Filename: H	20 RES XI	
		NT: Water Sources - General Information	3				PAGE: 1 OF 2			
		COLLECTION LEVEL: Municipal		PROV. NO	: ZAMBA	ire	DATE:			
CA		N NUMBER: 3		MAMO	. ZAMDA	LIM	BARANGA	Y NO.: Not	Applicable	
	RY	-,					NAME	: Not	Applicable	
-		I/ MUNICIPALITY NO. / NAME		SAN NAR	CISO		SAN ANT	ONIO		
G		ТУРЕ		Shallow Well	Deep Well	Spring	Shallow Well	Deep Well	Spring	
		TOTAL NUMBER		1,493	112	1	1,208	359	1	
В	1	10/ 0	0	23	112	1	157	359	,	
N	M	II/ PRIVATE	0	1,470			1,051		<u> </u>	
E	L	12/ LEVEL I	0	1,489	112	L	1,208	358		
R	V	13/ LEVEL II	0	4		1		1		
Α	L	14/ LEVEL III	0				<u> </u>			
Ł	ō	15/ WATER DISTRICT	0							
	w	16/ MEO/CEO	0	23	16		10	15		
	N	17/ RWSA	0							
1	E	18/ BWSA	o					<u> </u>		
N	R	19/ INSTITUTION	0						1	
F	s	20/ COMMERCIAL ESTABLISH.	0					1		
0	н	21/ INDUST/AGRIC. UNDERT.	0							
R	I	22/ PUBLIC (DOMESTIC)	0			V.5	147	344		
M	P	23/ PRIVATE (DOMESTIC)	0	1,470	98		1,051	1		
A		24/ SUBMERSIBLE/TURBINE	0							
T	Α	25/ CENTRIFUGAL	0							
I	В	26/ HANDPUMP	0		112	 		358		
0	s	27/ BUCKET & ROPE	0	1,489	12.		1,051			
N		28/ FREE FLOWING	0	 						
	 	29/ DRINKING	0	1,489	112	: .		358		
	υ	30/ WASHING/BATHING	0	1	112			358		
			0		112	:	 	358		
	E	31/ GARDENING/IRRIGATION	0	ļ	l		<u> </u>			
		32/ BIG-SCALE IRRIGATION	0				 			
	w	33/ PRODUCTION		ł	112			358		
	Ι''	34/ NO QUALITY PROBLEM	-	 	112					
	T	35/ HIGH IRON/MAG. CONT.	0	 	 		1			
	_	36/ HIGH CHLORIDE CONTENT	0	 						
	ł	377 10.103003001111111111111111111111111111	0	 	_	 	 			
	U	38/ POLLUTED/CONTAMINATED	0	 		ļ	 		<u>.</u>	
	I A	39/ CHLORINATED	0	 	 	 	 	 		
	F	40/ TREATED	0	: 4		 		 		
	P	41/ SEASONAL PRODUCTION	0	 	 	 		 		
		42 11 O. C.	0	 		 			<u></u>	
	0	13/ AVG. CAL. 22 TOO 11/3/0	0	<u> </u>	 	 	 	 		
1	D	TA Ito: Of Itoobja: C	0	ļ	1		1 209	358		
1	1	45/ NO. OF HOUSEH. >=5	0	1	112	l	1,203] 338		

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Filename: H2O RES.XLS

. C	NIE	NT: Water Sources - Source and Watershed Info) r coa	tion			PAGE: 2 O	F 2		
λ	FA (COLLECTION LEVEL: Municipal		PROV. NO			DATE:	SAN ANTONIO		
EC	HO!	NUMBER: 3		NAME	: ZAMBA	LES	.			
A	TE-	MUNICIPALITY NO. / NAME		SAN NAR	CISO			ONIO		
- C	RY	Түре		Shallow	Deep Well	Spring	ľ	Deep Well	Spring	
Ţ		46/ OPEN-HOLE/-BOTTOM	0	Well			ncu_	 		
ı	Ì	47/ SCREEN/SLOTED CASING	0	1493	112			359		
١		48/ DEPTH < 20 m	0	1493			1208	 		
w۱	T	49/ DEPTH>= 20 m	0		112		· · · · · ·	359		
E	Е	50/ DIAM. < 100 mm (4")	0							
L	C	51/ DIAM. >= 100 mm (4")	0	1493	112		1208	359		
니	н	52/ SWL < 5 m Below Ground	0	1493	1111		1208	358		
	N	53/ SWL >= 5 m Below Ground	0					<u> </u>		
וי	ı	54/ SPEC.CAP. < 3 m3/l/m	0							
М	С	55/ SPEC.CAP. >= 3 m3/l/m	0		and the second section of the Second				-	
F	A	56/ B-VALUE < 1,000 s/m2	0			and the second second second			***	
o	L	57/ B-VALUE >= 1,000 s/m3	0							
R		58/ C-VAL. < 60,000 s 2/m5 (Well Loss Const.)	0	<u> </u>				<u> </u>		
М		59/ C-VAL.>= 60,000 s2/m6	0	<u> </u>				,		
٨		60/ PRODUCTIVE	0	1489	112		1208	358		
Т	0	61/ ABAND., DRY/DECR. YIELD	0	<u></u>						
1	Τ	62/ ABAND., COL/STUC. PUMP	0	<u> </u>			<u> </u>	<u> </u>		
o	Н	63/ ABAND., DEFECTIVE PUMP	0					<u> </u>	·	
N	3	64/ ABAND., POOR WTR. QUAL.	0	11_				<u> </u>		
	R	65/ CONTR. YEAR < 1980	0	1493	112		. 1208	359		
		66/ CONTR. YEAR >= 1981	0							
A	T	67/ T-VALUE < 0.001 m2/s	0							
Q	3	68/ T-VALUE >= 0.001 m2/s	0							
U	C	69/ S-VALUE < 0.01	0							
Ī	н	70/ S-VALUE >= 0.01	0							
F	o	71/ ALLUVIAL FORMATION	0	:		٠.				
E	T	72/ VOLCANIC FORMATION	0							
Ŕ	Ħ	73/ LIMESTONE FORMATION	0			:				
	ε	74/ SANDSTONE FORMATION	0		1					
	۱.,	75/ OTH. SEDIMENTARY FOR.	0							
-	T	76/ MIN. YEILD < 10 m3/h	0						···	
S	С	77/ MIN. YEILD>= 10 mVh	0							
P	õ	78/ SPRING BOX, PUMPED	0	1						
R	1 ~ 1	79/ TAPPED USING GRAVITY	0				1			
		80/ UNTAPPED SPRINGS	0	1			1			
S	-	81/ MIN. YIELD < 25 m3/h	0	<u> </u>						
U	۱ ۵	82/ MIN. YIEUD >= 25 mWh	0	f	İ			1		
R		83 RIVER REGULATION	١,				İ			
F	_	84/ QUARRY IN RIVER BED	0	†~~~~~~			·			
w	١	85/ TRANSPORTATION (BOATS)	0	-	-:		<u> </u>			
W	-	86/ MINING ACTIVITIES	0	T						
T	G	87/ LOGGING ACTIVITIES	Ť	 	 		1			
R		88/ LOGGING BAN	10	 	l		1	<u> </u>		
s		89/ REFORESTATION ACTIVITY	10	 	 		 	 		
H	l '`	90V AQUACULTURE ACTIVITY	6	 	1	L	.L			

Filename: H2O-RES.XLS

CO	JTE	NT: Water Sources . General Information		PAGE: 1 OF 2						
DA	ΓĀ	COLLECTION LEVEL: Municipal		PROV. NO			DATE:			
		N NUMBER: 3		NAME	: ZAMBA	LES	In a paragraph	WNO NA	4 12 - 12 -	
CA							NAME	Y NO.: Not	Applicable	
GO		I/ MUNICIPALITY NO. / NAME		CABANG	AN		SAN FELI		Applicant	
G		I/ MUNICIPALITI NO.7 NAME		Shallow	T	Cocina	Shallow	Deep Well	Spring	
		ТҮРЕ	, -	Well	Deep Well	Spring	Well	ļ		
		TOTAL NUMBER	ļ	855	89	2	617	150		
Е	i	10V GOVERNMENT AGENCY	0	147	89		135	150		
N	M	11/ PRIVATE	0	708		2	482	<u> </u>		
E	L	12/ LEVEL I	0	854	89		615	147		
R	٧	13/ LEVEL II	0	1			2	!		
A	L	14/ LEVEL III	0				ļ	2		
L	ō	15/ WATER DISTRICT	0			,		2		
	w	16/ MEO/CEO	0	147	89					
	N	17/ RWSA	0						·	
1	Е	18/ BWSA	0						· ·	
N	R	19/ INSTITUTION	0							
F	s	20/ COMMERCIAL ESTABLISH.	0			<u> </u>				
0	н	21/ INDUST./AGRIC. UNDERT.	0			[
R	·	22/ PUBLIC (DOMESTIC)	0							
M	P	23/ PRIVATE (DOMESTIC)	0	708			482			
A	-	24/ SUBMERSIBLE/TURBINE	0			:	2	3		
Т	A		0	1						
I	В		10	854	89		615	147		
0	s		70							
N	l	28/ FREE FLOWING	.0	·					1.	
	-	29/ DRINKING	1.	854	89		615	150		
	U		0	854	89		615	- 150		
	s	31/ GARDENING/IRRIGATION	10	854	89	1	615	150		
	E		0	-	1					
	-	33/ PRODUCTION	10						. 14	
	W		0	854	89	*	615	150		
1	A	34 to Constitutions	10							
Ì	T	337 III OIT MONAMA COMM	10		-					
		37/ TURB/COLORED/SMELL	10		1	1				
	U		+-	-	•					
	A	307 TOELOTED/COTTITUE	+-	 	-					
	L		10			1	2	1		
	12	TO TRUE TRUE	10		1				-	
	1	417 dEndottille Treatment	1 0		†	 		1		
		42/ AVG. CAP. < 100 m3/d	10			<u> </u>		_}		
		43/ AVG. CAP. >= 100 m3/d	10	- 		1	1	1	l	
	"	44/ NO. OF HOUSEH. <5	+		89	 	615	150		
- 1	1	45/ NO. OF HOUSEH. >=5	\mathcal{L}^{0}	674		J			l	

LEGEND: o - Specify figure

Filename: H2O-RES XLS

ENT: Water Sources - Source and Watershed Infor COLLECTION LEVEL: Municipal ON NUMBER: 3 - MUNICIPALITY NO. / NAME TYPE 46/ OPEN-HOLE/-BOTTOM		PROV. NO	: ZAMBAI		PAGE: 2 C)F 2		
ON NUMBER: 3 - MUNICIPALITY NO. / NAME TYPE 46/ OPEN-HOLE/-BOTTOM		NAME		T.C.	DATE:			
- MUNICIPALITY NO. / NAME TYPE 46/ OPEN-HOLE/-BOTTOM			- ZAMBAU		DATE:			
TYPE 46/ OPEN-HOLE/-BOTTOM				<u> 150</u>	1:			
46/ OPEN-HOLE/-BOTTOM		CABANG/ Shallow	AN T		SAN FELI Shallow	(PE T T	<u>_</u>	
46/ OPEN-HOLE/-BOTTOM		Well	Deep Well	Spring	Well	Deep Well	Spring	
	0							
47/ SCREEN/SLOTED CASING	0	855	89		617	150		
48' DEPTH < 20 m	0	855			617	 		
49/ DEPTH >= 20 m	0	<u> </u>	89		 	150		
50/ DIAM. < 100 mm (4")	0		 	· · · · · · · · · · · · · · ·				
51/ DIAM. >= 100 mm (4")	0	855	89		617	150		
52/ SWL < 5 m Below Ground	0	855	89		617	150		
53/ SWL >= 5 m Below Ground	0	1	}	 	<u> </u>	ļ		
54/ SPEC.CAP. < 3 m3/a/m	0					ļ		
DA OLDCAN, 2- Danatha	0	,	ļ					
	0		 		ļ	<u> </u>		
57/ B-VALUE>= 1,000 s/m3	0					 		
58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.)	0					 		
59/ C-VAL. >= 60,000 s2/m6	0					<u> </u>		
60V PRODUCTIVE	0	854	89		615	150		
61/ ABAND., DRY/DECR. YIELD	0							
62/ ABAND., COL/STUC. PUMP	0		:					
6V ABAND., DEFECTIVE PUMP	0				;			
64/ ABAND., POOR WTR. QUAL.	0				:			
65/ CONTR. YEAR < 1980	0						-1.1	
66/ CONTR. YEAR >= 1981	0	855	89		617	150		
67/ T-VALUE < 0.001 m2/s	0					<u> </u>		
68/ T-VALUE >= 0.001 m2/s	0							
69/ S-VALUE < 0.01	0						. 	
70/ S-VALUE >= 0.01	0							
71/ ALLUVIAL FORMATION	0	:					4.1	
72/ VOLCANIC FORMATION	0							
7.V LIMESTONE FORMATION	0							
74/ SANDSTONE FORMATION	o							
75/ OTH, SEDIMENTARY FOR.	0							
76/ MIN. YEILD < 10 m3/h	0							
77/ MIN. YEILD >= 10 m3/h	0				:			
78/ SPRING BOX, PUMPED	٥							
79/ TAPPED USING GRAVITY	٥			:				
80/ UNTAPPED SPRINGS	0							
81/ MIN. YIELD < 25 m3/h	0		: 1		I			
82/ MIN. YIELD >= 25 m3/b	0							
8.V RIVER REGULATION	0							
. (0							
65/ TRANSPORTATION (BOATS)	0							
	0	<u> </u>						
	0				1	1		
	0				l			
. []	0	 			<u> </u>			
	0	ļ			 	 		
	56/ B-VALUE < 1,000 s/m3 58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.) 59/ C-VAL. >= 60,000 s2/m6 60/ PRODUCTIVE 61/ ABAND., DRY/DECR. YIELD 62/ ABAND., DEFECTIVE PUMP 64/ ABAND., POOR WTR. QUAL. 65/ CONTR. YEAR < 1980 66/ CONTR. YEAR >= 1981 67/ T-VALUE < 0.001 m2/s 68/ T-VALUE >= 0.001 m2/s 69/ S-VALUE >= 0.01 70/ S-VALUE >= 0.01 71/ ALLUVIAL FORMATION 72/ VOLCANIC FORMATION 73/ VIMESTONE FORMATION 74/ SANDSTONE FORMATION 75/ OTH. SEDIMENTARY FOR. 76/ MIN. YEILD >= 10 m3/h 77/ MIN. YEILD >= 10 m3/h 78/ SPRING BOX, PUMPED 79/ TAPPED USING GRAVITY 80/ UNTAPPED SPRINGS 81/ MIN. YIELD >= 25 m3/h 82/ MIN. YIELD >= 25 m3/h 83/ RIVER REGULATION 84/ QUARRY IN RIVER BED 85/ TRANSFORTATION (BOATS) 86/ MINING ACTIVITIES 87/ LOGGING BAN	S67 B-VALUE < 1,000 s/m2 0	55/ B-VALUE < 1,000 s/m3 0	550 B-VALUE < 1,000 s/m2 0	Sof B-VALUE < 1,000 s/m3	Sy B-VALUE < 1,000 s/m2 0	S69 B-VALUE > 1,000 s/m2	

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Filename: 1120-RES.XLS

CO	VTF	NT: Water Sources - General Informati	on				PAGE: 1 C	F 2			
		COLLECTION LEVEL: Municipal		PROV. NO			DATE:	DATE :			
		NNUMBER: 3		NAME	: ZAMBA	LES	Townsia	N NO . N.	1 Nooble		
	ľE-	ļ					NAME	AY NO.: Not .	Applicable		
<u>G</u> O	RY	1/ MUNICIPALITY NO. / NAME		IBA			BOTOLA		· PP		
G		TYPE		Shallow. Well	Deep Well	Spring	Shallow Well	Deep Well	Spring		
		TOTAL NUMBER	T	365	120		1,714	162	3		
Е	I	10/ GOVERNMENT AGENCY	0	233	120		114	162	3		
N	M	11/ PRIVATE	0	132	· · · · · · · · · · · · · · · · · · ·		1,600				
Е	L	12/ LEVEL I	10	259	118		1,711	161	1		
R	v	13/ LEVEL II	0	4	,		3	ī	1		
A	L		0	2	1	·		11			
L	0	14/ LEVEL III	0	2	1			<u> </u>			
_	w	15/ WATER DISTRICT	10	23	26						
	N	16/ MEO/CEO	10	4	1			1			
ı	E	17/ RWSA	T _o	 				1			
N	R	18/ BWSA	0					1			
F	s	19/ INSTITUTION	10	 				-			
ř O		20/ COMMERCIAL ESTABLISH.						 			
-	H	21/ INDUST /AGRIC. UNDERT.	- 0	201	92			 			
R	1	22/ PUBLIC (DOMESTIC)	0	132	72	 	1,711	-			
M	P	23/ PRIVATE (DOMESTIC)	<u> °</u>		2	·	1,,,,,	 			
A		24/ SUBMERSIBLE/TURBINE	<u> °</u>	6	2	 					
T	A	25/ CENTRIFUGAL	0		100		1 711	161			
I,	В	26/ HANDPUMP	0	359	120		1,711	101			
0	S	27/ BUCKET & ROPE	0	· · · · · · · · · · · · · · · · · · ·			<u> </u>				
N	L	28/ FREE FLOWING	0			_					
		29/ DRINKING	0	359	120	 _	1,711	161	2		
:	U	30/ WASHING/BATHING	0	359	120		1,711	161	<u> </u>		
į .	S	31/ GARDENING/IRRIGATION	0	359	120	ļ	1,711	161			
	E	32/ BIG-SCALE IRRIGATION	0								
		33/ PRODUCTION	0				J				
	W	34/ NO QUALITY PROBLEM	0	359	119			161			
		35/ HIGH IRON/MAG. CONT.	0					ļ			
	Т	36/ HIGH CHLORIDB CONTENT	0	1		<u> </u>			·		
	Q	37/ TURB/COLORED/SMELL	0								
	U		0			<u> </u>	<u> </u>				
	A		0	2	1						
	L		0	2	1						
	P		0					3 3			
	R		0			<u> </u>			:		
	0		0	2	1						
	D		7		1						
		45/ NO. OP HOUSEH. >=5	-		120		1,711	162			

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CO	NTE	NT: Water Sources - Source and Watershed Infor	mati	on			PAGE: 2 O	Filename: 113 F 2	
		OLLECTION LEVEL: Municipal		PROV. NO	•		DATE:		
		NUMBER: 3		NAME	: ZAMBAI	FS	IOATE.		
		MUNICIPALITY NO. / NAME		IBA	. 2/41/10/11	200	BOTOLAN	· · · · · · · · · · · · · · · · · · ·	
(A	16-1	MUNICIPAETT I NO.7 (VAME		Shallow	Doep Well	Spring	Shallow	Deep Weli	Spring
ÇQ	RY	ТҮРЕ	·	Well	Doep wen	Spring	Well	txep wen	Stanis
		46/ OPEN-HOLE/-BOTTOM 47/ SCREEN/SLOTED CASING	0	365	120		1,714	162	
		48' DEPTH < 20 m	6	365	120		1.714	102	
W		49/ DEPTH >= 20 m	0		120		1	162	
E		50/ DIAM. < 100 mm (4")	0		<u> </u>				
L	1	51/ DIAM. >= 100 min (4")	0	365	120		1,714	162	
ı,		52/ SWL < 5 m Below Ground	0	365	118	<i></i>		159	
	١١	53/ SWL >= 5 m Below Ground	0		2		1,714	3	
1		54/ SPEC.CAP. < 3 m3/b/m	·	· · · · · · · · · · · · · · · · · · ·			† · · · · · · · ·	1	
N	ا ا		Ť		 		 	 	
F	1 1	55/ SPEC.CAP. >= 3 m3/b/m	+-				 		
0	١. ا	56/ B-VALUE < 1,000 s/m2	10		 		 		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
R		57/ B-VALUE >= 1,000 s/m3	10			manananan mananan mana	 	 	
M	1	58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.)	10					1	
A		59/ C-VAL. >= 60,000 s2/m6	10	365	120		1213	162	
T	o	60/ PRODUCTIVE		303	120		1,711	102	
_	i	61/ ABAND, DRY/DECR. YIELD	0	·				 	·
1	7	62/ ABAND., COL/STUC. PUMP	0	 	· 		· · · · · · · · · · · · · · · · · · ·		
0	H	63/ ABAND, DEFECTIVE PUMP	l º	ļ	 			 	
N	1	64/ ABAND, POOR WTR. QUAL.	0				 	·	
	R	65/ CONTR. YEAR < 1980	0		120				
	-	66/ CONTR. YEAR >= 1981	0	365	120		1,714	162	1
A	T	67/ T-VALUE < 0.001 m2/s	10	·	ļ				
Q	1	68/ T-VALUE >= 0.001 m2/s	<u> </u>				-		
U	C	69/ S-VALUE < 0.01	10	<u> </u>	.		· · · · · · · · · · · · · · · · · · ·	 	
i	H	70/ S-VALUE >= 0.01	<u> °</u>				·	 	<u> </u>
F	0	71/ ALLUVIAL FORMATION	•					 	
В	T	72/ VOLCANIC FORMATION	0	ļ					
R	Н	73/ LIMESTONE FORMATION	0		ļ				
	E	74/ SANDSTONE FORMATION	0						
	R	75/ OTH. SEDIMENTARY FOR.	10						
	T	76/ MIN. YEILD < 10 m3/h	.0	<u> </u>			ļ		
S	c	77/ M(N. YEILD >= 10 m3/h	0						
₽	0	78/ SPRING BOX, PUMPED	0					ļ	
R	Т	79/ TAPPED USING GRAVITY	0			 		·	1
	H	80V UNTAPPED SPRINGS	0					<u> </u>	
S	T	81/ MIN. YIELD < 25 m3/h	0						
U	C	82/ MIN. YIELD >= 25 m3/h	<u> 0</u>	<u> </u>					
R	0	837 RIVER REGULATION	0				<u> </u>		
F	T	84/ QUARRY IN RIVER BED	0						
₩	Н	85/ TRANSPORTATION (BOATS)	0						
W		86/ MINING ACTIVITIES	0						
T	G		0		L				<u>.</u>
R	E		0						
s	N		0						
i n	Ì	90/ AQUACULTURE ACTIVITY	0	1	T	I			

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M 4.1 Filename: H2O-RES.XLS

							la con i o	Filename: H.	2O-RES.XL
		NT: Water Sources - General Informatio	n.	rnov vo			PAGE: 1 O	F 2	
		COLLECTION LEVEL: Municipal		PROV. NO NAME	: ZAMBAI	LFS	DATE:		
CA		NNUMBER: 3		INVINE	. ZARIVIDA		BARANGA	Y NO.: Not.	Applicable
	RY						NAME	: Not	Applicable
	[I/ MUNICIPALITY NO. / NAME		MASINLO	C		PALAUIG	r	
G		ТҮРЕ	,	Shallow Well	Deep Well	Spring	Shallow Well	Deep Well	Spring
		TOTAL NUMBER		658	94	1	792	108	1
E	i	10/ GOVERNMENT AGENCY	0	118	94	1	72	108	1
N	М	11/ PRIVATE	0	540			720	<u> </u>	
E	L	12/ LEVEL (0	656	93	L	789	106	!
R	ν	13/ LEVEL II	0	2	1		3	2	
A	լ	14/ LEVEL III	0			1			
L	0	15/ WATER DISTRICT	0			1		<u> </u>	
	w	16/ MEO/CEO	Ö	11	76			<u> </u>	
	И	17/ RWSA	0		31		<u> </u>		
1	E	18/ BWSA	0		7				
N	R	19/ INSTITUTION	0					<u> </u>	
F	s	20/ COMMERCIAL ESTABLISH.	0						
ю	H	21/ INDUST./AGRIC. UNDERT.	0			:			
R	I	22/ PUBLIC (DOMESTIC)	0				72		
M	P	23/ PRIVATE (DOMESTIC)	Ó	540			720		
A		24/ SUBMERSIBLE/TURBINE	0						- P
T	Α	25/ CENTRIFUGAL	0						:
1	В	26/ HANDPUMP	0	654	93		792	106	
lo	s	27/ BUCKET & ROPE	0	<u> </u>					
N		28/ FREE FLOWING	0	T					+ 1
L	}	29/ DRINKING	0	- 540	93		792	108	ı
	U	30/ WASHING/BATHING	١,	540	93		792	108	1
	s	31/ GARDENING/IRRIGATION	0	540	93		792	108	1
	Е	32/ BIG-SCALE IRRIGATION	0	 	1	3			
		33/ PRODUCTION	0						
	w		0	- 11	93		792	108	1
	A	35/ HIGH IRON/MAG, CONT.	6						
Ĺ	Т		6	 					
1		37/ TURB/COLORED/SMELL	 						
1	Ū		,	 		1			
	A	38/ TOLEGIE DICOMINATION	0	· 	:				_ = :
	l		6	- 		ı			
	P	401 INDITIED	0		 				
	R	411 SEASONAL TROBUCTION	6			1			
	o	72 ATO. CHT. C100 Inc.	·			<u> </u>			
-	D		10						
	1	77 NO. 01 NOCOLINI 15	10		93	1	72	108	1
ı	I	45/ NO. OF HOUSEH. >=5	سلـــــــــــــــــــــــــــــــــــــ						A

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ON	TE	NT: Water Sources - Source and Watershed Infor	mati	on			PAGE: 2 OF 2				
ΙAC	`A C	OLLECTION LEVEL: Municipal		PROV. NO).:		DATE:				
		NUMBER: 3	,	NAME	: ZAMBAI	ES					
~~~	æ.	MUNICIPALITY NO. / NAME		MASINLO	C		PALAUIG				
	`~			Shallow	Deep Well	Spring	Shallow	Deep Well	Spring		
GOI	RY	TYPE	0	Well	<b> </b>		Well	<del> </del>			
- 1		46/ OPEN-HOLE/-BOTTOM 47/ SCREEN/SLOTED CASING	0	656	94	· · · · · · · · · · · · · · · · · · ·	792	108	1		
-		48/ DEPIH < 20 m	o	656			792				
W	_ 1	49/ DEPTH >= 20 m	0		94			108			
Ε		50/ DIAM. < 100 mm (4")	ó				<u></u>				
L		51/ DIAM. >= 100 mm (4")	0	656	94		792	108			
L	1	52/ SWL < 5 m Below Ground	0	656	59		792	108			
		53/ SWL >= 5 m Below Ground	0		35						
ı	. 1	54/ SPEC.CAP. < 3 m3/h/m	0	1	1		Ī				
N		55/ SPEC.CAP. >= 3 m3/h/m	0	<b></b>	1						
F		56/ B-VALUE < 1,000 s/m2	0	<u> </u>			]	T			
		57/ B-VALUE >= 1,000 s/m3	0		<del> </del>						
R	-	58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.)	0	<b></b>	<del> </del>		<u> </u>	1			
M			0	<del> </del>	<del> </del>		<u> </u>				
A		59/ C-VAL. >= 60,000 s2/in6	10	656	94		792	106	1		
^ T	o	60 PRODUCTIVE	<del> </del>	- 650	1		<del> ''</del>	1			
;		61/ ABAND, DRY/DECR, YIELD	0		<b> </b>		<del> </del>				
	T	62/ ABAND., COL/STUC PUMP	0	<del> </del>	-		<del> </del> -				
0	H	6.V ABAND, DEFECTIVE PUMP		<del> </del>	-				<del></del> -		
N		64/ ABAND., POOR WTR. QUAL.	0				<del></del>	<del></del>			
	R	657 CONTR. YEAR < 1980	<u> </u>	1	91		702	100	<u></u>		
· 	<u> </u>	66/ CONTR. YEAR >= 1981	P	<del></del>	94		792	108			
A	Ţ	67/ T-VALUE < 0.001 m2/s	0								
Q	E	68/ T-VALUE >= 0.001 m2/s	0				<del> </del>		<del></del>		
U	c	69/ S-VALUE < 0.01	0				.				
. [	H	70/ S-VALUE >= 0.01	0	ļ							
F	0	71/ ALLUVIAL FORMATION	0	ļ							
E	T	72/ VOLCANIC FORMATION	0	<u> </u>			<u> </u>				
R	H	73' LIMESTONE FORMATION	0	<u> </u>							
	E	74/ SANDSTONE FORMATION	0								
	R	75/ OTH SEDIMENTARY FOR.	0								
	T	76/ MIN. YEILD < 10 m3/h	0								
S	C	77/ MIN. YEILD >= 10 m3/h	0								
P	ō	78/ SPRING BOX, PUMPED	٥	,							
R	T		0	•	:	1			!_		
	11	80/ UNTAPPED SPRINGS	C	· [		3 5 6					
S	T		G		1 1 1 1						
U	c										
R	To		7	,							
F	Т		1	,							
W	1		- -	)							
W	.	86/ MINING ACTIVITIES		,							
T	1	87/ LOGGING ACTIVITIES	-	0			<b></b>		<u> </u>		
R		88/ LOGGING BAN	{	,			1				
S			-	<u>.                                     </u>	- 1	<del> </del>					
د ا	Ι,,	89/ REFORESTATION ACTIVITY	-1-	<del>-   </del>		<del> </del>	<del></del>		1		

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							IDA CE: 1 O	Filename: H	ZO-RES.XI		
		NT: Water Sources - General Informati	on	PROV. NO		<del></del>	PAGE: 1 0	PF Z			
		COLLECTION LEVEL: Municipal N NUMBER: 3		NAME	: ZAMBA	LES	JUAIC:				
	TE-	NUMBER: 3		MAINE	. 22/11/10/1	<u> </u>	BARANGA	AY NO.: Not	Applicable		
	RY						NAME : Not Applicable				
		I/ MUNICIPALITY NO. / NAME		STA. CRU	Z	<del></del>	CANDELARIA				
G		ТҮРЕ		Shallow Well	Deep Well	Spring	Shallow Well	Deep Well	Spring		
		TOTAL NUMBER	Π	1,890	234	2	918	89			
Е	1	10/ GOVERNMENT AGENCY	0	100	234		57	89			
N	М	11/ PRIVATE	6	1,790		2	861				
E	L	12/ LEVEL I	0	1,888	232		916	82			
R	v	13/ LEVEL II	0	2			2	4	1		
Α	L	14/ LEVEL III	0		2			3			
Ł	ō	15/ WATER DISTRICT	0		2						
	w	16/ MEO/CEO	0			<u> </u>					
	N	17/ RWSA	0					2			
1	Е	18/ BWSA	0					1			
N	R	19/ INSTITUTION	0								
F	s	20/ COMMERCIAL ESTABLISH	0					<u> </u>			
0	н	21/ INDUST/AGRIC, UNDERT.	0				<u> </u>				
R	1	22/ PUBLIC (DOMESTIC)	0								
M	P	23/ PRIVATE (DOMESTIC)	0	1,790			861				
Á		24/ SUBMERSIBLE/TURBINE	0		2			3	·		
T	A	25/ CENTRIFUGAL	0			<u> </u>	<u></u>				
I	В	26/ HANDPUMP	0	1,888	232		916	19			
0	s	27/ BUCKET & ROPE	0								
N		28/ FREE FLOWING	0			2					
		29/ DRINKING	0	1,890	234		918	89			
:	υ	30/ WASHING/BATHING	0	1,890	234		918	89			
i.	s	31/ GARDENING/IRRIGATION	0	1,890	234		918	89			
٠	E	32/ BIG-SCALE IRRIGATION	0	<u> </u>	:	:	<u> </u>				
		33/ PRODUCTION	0								
	W	34/ NO QUALITY PROBLEM	0	1,890	234		918	89			
		35/ HIGH IRON/MAG. CONT.	0	<u> </u>	<u> </u>		<u> </u>	ļ			
	T	36/ HIGH CHLORIDE CONTENT	0	<u> </u>			<u> </u>				
	Q	37/ TURB/COLORED/SMELL	0				ļ				
	Įυ	38/ POLLUTED/CONTAMINATED	0			<u> </u>	<u> </u>	<b></b>			
·	A	39/ CHLORINATED	0			<u></u>		3			
1	L	40/ TREATED	0	2		ļ	2	3			
	P	41/ SEASONAL PRODUCTION	٥	<u> </u>			<b></b>	:			
	R	42/ AVG. CAP. < 100 m3/d	0	<u> </u>					ļ		
	0	43/ AVG. CAP. >= 100 m3/d	0	<u> </u>							
	D	44/ NO. OF HOUSEH. <5	0	<u> </u>							
		45/ NO. OF HOUSEH. >=5	0	1,890	234		918	89	L		

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Filename: H2O-RES.XLS CONTENT: Water Sources - Source and Watershed Information PAGE: 2 OF 2 DATA COLLECTION LEVEL: Munkipal PROV. NO.: DATE: REGION NUMBER: 3 NAME : ZAMBALES CATE- MUNICIPALITY NO. / NAME STA. CRUZ CANDELARIA Shallow Shallow Deep Well Deep Well Spring Spring GORY Well Well 46/ OPEN-HOLE/-BOTTOM 0 1,890 47/ SCREEN/SLOTED CASING 234 918 89 0 48/ DEPTH < 20 m 1,890 918 0 W T 49/ DEPTH >= 20 m 234 0 89 E 50/ DIAM. < 100 mm (4*) 0 L C 51/ DIAM. >= 100 mm (4*) 0 1,890 234 918 89 Ł H 52/ SWL < 5 m Below Ground 1.889 0 215 918 82 N 53/ SWL >= 5 m Below Ground ŧ 19 7 I 1 54/ SPEC CAP. < 3 m3/h/m 0 C SS/ SPEC.CAP. >= 3 m3/h/m Ν 0 F A | 56/ B-VALUE < 1,000 s/m2 o 0 L 57/ B-VALUE >= 1,000 s/m3 R 58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.) 0 М 59/ C-VAL. >= 60,000 s2/m6 0 607 PRODUCTIVE 0 1,890 234 918 89 Ţ O 61/ ABAND, DRY/DECR. YIELD 0 i T 62/ ABAND., COLJSTUC. PUMP 0 H 63 ABAND, DEFECTIVE PUMP 0 0 E 64 ABAND., POOR WTR. QUAL. Ν 0 R 65/ CONTR. YEAR < 1980 0 667 CONTR. YEAR >= 1981 1,890 234 918 89 T 67/ T-VALUE < 0.001 m2/s 0 Q E 68/ T-VALUE >= 0.001 m2/s 0 U C 69/ S-VALUE < 0.01 0 H 70' S-VALUE >= 0.01 Ī 0 F O 71/ ALLUVIAL FORMATION 0 T 72/ VOLCANIC FORMATION o H 71 LIMESTONE FORMATION 0 E 74 SANDSTONE FORMATION 0 R 757 OTH. SEDIMENTARY FOR. 0 T 76/ MIN. YEILD < 10 m3/h 0 C 77/ MIN. YEILD >= 10 m3/b 0 O 78/ SPRING BOX, PUMPED 0 T 79/ TAPPED USING GRAVITY 0 H 80 UNTAPPED SPRINGS 0 T 81/ MIN. YIELD < 25 m3/h S 0 U C 82/ MIN. YIELD >= 25 m3/h o R O 0 837 RIVER REGULATION Y 84/ QUARRY IN RIVER BED 0 H 85/ TRANSPORTATION (BOATS) 0 W 0 86/ MINING ACTIVITIES G 87/ LOGGING ACTIVITIES T 0 R E 88 LOGGING BAN o s N 89/ REFORESTATION ACTIVITY 0 90/ AQUACULTURE ACTIVITY

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Filename: H2O-RES.XLS

		NT: Water Sources - General Informatio	n	,			PAGE: 10	F 2	
		OLLECTION LEVEL: Municipal		PROV. NO	.: : ZAMBAI	EC	DATE:	<u>., </u>	
	ie.	NUMBER: 3		NAME	: ZAMBAI	LES	BARANG	AY NO.: Not	Applicabl
	RY						NAME	: Not	Applicabl
Ĭ		I/ MUNICIPALITY NO. / NAME		PEO DAT	Ā		SUBIC	· · · · · · · · · · · · · · · · · · ·	
G	Ì	ТҮРЕ		Shallow Well	Deep Well	Spring	Shallow Well	Deep Well	Spring
		TOTAL NUMBER					1,128	80	2
Е	1	10/ GOVERNMENT AGENCY	0				150	80	2
N	М	11/ PRIVATE	0				978		
E		12/ LEVEL I	0				1,128	75	
R	ν	13/ LEVEL II	0						·
٨	L	14/ LEVEL III	0					5	2
L	0	15/ WATER DISTRICT	0					5	2
	W	I6/ MEO/CEO	0				18	31	
	N	17/ RWSA	0						
I	E	18/ BWSA	0						
N	R	19/ INSTITUTION	0			:			
F	S	20/ COMMERCIAL ESTABLISH.	0					<u> </u>	
o	H	21/ INDUST./AGRIC. UNDERT.	0						
R	i	22/ PUBLIC (DOMESTIC)	0						· .
M	₽	23/ PRIVATE (DOMESTIC)	0	1 1			978		
Α		24/ SUBMERSIBLE/TURBINE	0				:	5	· 
T	Α	25/ CENTRIFUGAL	0						
I	В	26/ HANDPUMP	0				1,128	75	
o	s	27/ BUCKET & ROPE	0						· · · · · ·
N	ļ	28/ FREE FLOWING	0						2
	<b> </b>	29/ DRINKING	6				1,128	80	2_
٠.	υ	30/ WASHING/BATHING	0			:	1,128	80	2
	s	31/ GARDENING/IRRIGATION	0				1,128	80	2
:	Е	32/ BIG-SCALB IRRIGATION	0						
		33/ PRODUCTION	6						
	W	34/ NO QUALITY PROBLEM	0				1,128	80	2
	A	35/ HIGH IRON/MAG, CONT.	6						
•	Ŧ	36/ HIGH CHLORIDE CONTENT	0						<u> </u>
	Q	37/ TURB/COLORED/SMELL	0		1				
	U	38/ POLLUTED/CONTAMINATED	0						
	A		6						
	լ	40/ TREATED	10						
	P	41/ SEASONAL PRODUCTION	6						
	R	42/ AVG. CAP. < 100 m3/d	1.						
	0		6		1				
	D		<b>ऻ</b>						
		45/ NO. OF HOUSEIL >=5	١,				1,128	80	2

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Filename: H2O-RES.XLS

66	_	177	NT: Water Sources - Source and Watershed Infor					Ţ	Filename: H	ZU-KES.AI
_					r			PAGE: 2 C	F 2	
			OLLECTION LEVEL: Municipal		PROV. NO	<u>::</u>	<del></del>	DATE:		
RE	G	107	NUMBER: 3		NAME	: ZAMBAI	ES	· · · · · · · · · · · · · · · · · · ·		
CA	11	E-	MUNICIPALITY NO. / NAME		PEO DAT	A		SUBIC		
G	ΛĖ.	, , l	TYPE		Shallow Well	Deep Well	Spring	Shallow Well	Deep Well	Spring
- 5	Ϋ		46/ OPEN-HOLE/-BOITOM	To	77,54	1		77511		
	l		47/ SCREEN/SLOTED CASING	0				18	80	
	l	ŀ	48/ DEPTH < 20 m	0		ļ		18	ļ	
W	ı	•	49/ DEPTH >= 20 m	0	<u> </u>	<b> </b>		ļ	80	·- <del></del>
E	۱	E	50/ DIAM. < 100 mm (4")	0	ļ	ļl		ļ	<u> </u>	
L	ı	c	51/ DIAM. >= 100 mm (4")	0		ļi		1128	80	
L	ı	н	52/ SWL < 5 m Below Ground	0		<u> </u>		1128	77	
	ı	N	5.V SWL >= 5 m Below Ground	0	<u> </u>	<u> </u>		<u> </u>	3	·- ·-
Ì	ı	1	54/ SPEC.CAP. < 3 m3/l/m	0	L					
N	۱	c	55/ SPEC.CAP. >= 3 m3/l/m	0	<u> </u>	<u></u>				
F	1	A	56/ B-VALUE < 1,000 s/m2	0				L		
О		L	57/ B-VALUE >= 1,000 s/m3	0						
R	-	1	58/ C-VAL. < 60,000 s2/m5 (Well Loss Const.)	0						
M	١	Ì	59/ C-VAL. >= 60,000 s2/m6	0				T		
·A	ı	1	60/ PRODUCTIVE	0		1 1		1128	80	
T	1	$\sim 1$	61/ ABAND., DRY/DECR. YIELD	0		1		1		
ι		1	62/ ABAND., COL/STUC. PUMP	0						
o			63/ ABAND, DEFECTIVE PUMP	0		<del>  </del>			1	
N	ı	1	64/ ABAND., POOR WTR QUAL	0		1		1		
	ĺ	. 1	65V CONTR. YEAR < 1980		l				<del> </del>	
	l	- 1	65/ CONTR. YEAR >= 1981	Ť	-	<del> </del>		1128	80	
A	t		67/ T-VALUE < 0.001 m2/s	ő	<b> </b>	<del> </del>		1120		
Q	ı		68/ T-VALUE >= 0.001 m2/s		<b></b>	<del> </del>				
υ	1	اہ	69/ S-VALUE < 0.01	0	<b> </b>	<del> </del>		<del> </del>	t	
l	1	Ĥ	· · · · · · · · · · · · · · · · · · ·	0	<del> </del>	<del> </del>	<del></del>	<del> </del>	<del>   </del>	
F	ŀ	<del>_</del> -	70/ S-VALUE >= 0.01	-	<u> </u>	<del> </del>		<del> </del>		
E	ı	_	71/ ALLUVIAL FORMATION	ő		<del> </del>		<del> </del>	<del> </del>	
R	1		72/ VOLCANIC PORMATION	<del> </del>	<u> </u>	<del> </del>		<del> </del>		
"	١		1V LIMESTONE FORMATION	0	<u> </u>	<del> </del> -		ļ	<del> </del>	<del></del>
	1	R	74/ SANDSTONE FORMATION	0	<u> </u>	<del> </del> -			<del> </del>	
	4	<u></u>	75' OTH. SEDIMENTARY FOR.	0		<del>├</del>			<del> </del>	
			76/ MIN. YEILD < 10 m3/h	0	<b>}</b>	<del>  </del>		<u> </u>		
S	ŀ	~	77/ MIN. YEILD >= 10 m3/h	<u>.</u>				<b></b>	<del>  </del>	
P	1		78/ SPRING BOX, PUMPED	0	<b>!</b>			<u></u>	<u> </u>	<u> </u>
R	1	T	79/ TAPPED USING GRAVITY	0	<b> </b>	<b> </b>		<b>}</b>	<b> </b>	2
	-	H	80' UNTAPPED SPRINGS	0				<b> </b>	ļ	
S	ı	T	81/ MIN. YIELD < 25 m3/h	0	ļ			<u></u>		
U	ŀ		82/ MIN. YIELD >= 25 m3/h	0	<b>_</b>	<b> </b>		ļ		
R	- 1		81/ RIVER REGULATION	0	<u> </u>			ļ	ļl	
F	. 1	Ţ	84/ QUARRY IN RIVER BED	0		<b> </b>		<u> </u>		
W	4	H	85/ TRANSPORTATION (BOATS)	0	<b>]</b>				ļi	
W	4		867 MINING ACTIVITIES	0	<b> </b>				<b> </b>	·
Т	1	G	87/ LOGGING ACTIVITIES	0	1	<u> </u>		ļ	<u>                                     </u>	
R	١,	E	88/ LOGGING BAN	0						
s		N	89/ REFORESTATION ACTIVITY	0						
н	ı		90/ AQUACULTURE ACTIVITY	0						

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**Groundwater Sources** 7.3

7.3.2

Groundwater Availability in the Province

Table 7.3.1 Well Invetory by Municipality

13 otolan	Bangan	8PW-6805		11.59	3.00	_				
Botolan	Baronlapoc	BPW19441		X.54	1.83	0.62	1,94	0.520		
Hotolan	Batoniapoc	BPW54697	04/26/69	10.96	2.44	0.32	0.30	1.070		
Mare's	0 d C 4 ( )	BP546917	104/15/69	13.72	3.35	0.63	(9'0	0.030		
Rivolan	Hoper	BPW1944x	106/26/67	9.42	4.27			0.630		Kedniing
i di di	Harmon Clampanana School	RPW19447		10.37	4.57	0.52	1.65	0.315		
Botolan	Control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the control of the contro	HP526025	09/10/60	7.62	3.45	44.0	0.61	0.720		
occoran		Myw	07/04/67	\$1.8	1.52	0.50	_	-		
DOCOM	Capayawan	R19647111		14.62	1.52	0,29	0.66	0.440)		
Botolan	Caraci	Charter		69 6	1 \$2	0.62	1.631	0,380		
Botolan	Carsel	The system	1000000	00 91	55	0.44	(\$1	0.290		
Bototan	Carael	Brw65171	00/10/11	70.4	100					
Botolan	Danactunga	0515 W98	06/30/67	14.63	4.57	0.03		001		
Botolan	Maguisguis	BPW52591	(11/19/59	7.02	3.05	6.0 6.0	0.30	ν.Τ.ν.		
Botolan	Матьор	1717-W98		68.11	2.44	0.52	0.83	0.630		
Sotolan	Padel	Brw54648		13,111	3.05	2.07	3.29	0.630		
Botolan	Panan	BP526022	09/10/90	9.76	3.90	4.0	0.61	0.720		
Hotolan	Papan	BPW-7:69		12.20	2,74					
Korolan	Paudrod School	BPW19444		9.15	2.44	0.41	80.1	0.580		
Hotolin	Poblacion	BPW54704	04/1/0/90	7.17	3.05	18.93	3.05	6.210		
Regular	Troop 1300	SPW2181.5	07/31/59	21.65	12,20	0.63				
Hotolop	Poom Bato Flementary School	11770778		24.39	0.0	-		0.694		
Porcion	Pome	BPW19443		24.00	21.44	6.34	1.08	0.315		
Hotolon	San Isidro	BP526024	107/30/60	17.07	3.08	0.44	0.61	0.720		
Hotolan	deut nest	8PW-6804		14.63	4.27					
Botolan	Santiago	BFW19446		13.11	2.44	14.0	1.08	0.380		
Sotolan	Villar	BPW-7218	04/06/55	46.34	24.40	0.76	1.52	0.500		
Cabangan	Anottang	BPW10353	95/10/50	7.62						
Cabangan	Apo-Apo	8PW70354		15.85						
Cabangan	Arew	BP546315		8.23						
Cabangan	Caming	RPW		18.29						
Cabanesa	Cadaille	BPW-7783		24.39	707	0.28	0.56	0.504		
Cabancan	(Carabaan	BJ707702		16.77						
Cabangan	Casabaan	BPW-7786		25.91	÷×.	0.52	0.83	0.630		
Cabangan	Combov	BPW70774		18.27		-				
(appropri	1) ones	BPW-7787		21.34	1.83	0.78	0.82	0560		
Cabangan	Mabanylit	BPW10355		13.41		-				
Cabangan	Poplation	BP546911		19.21	3.60	1,14	\$9.1	0690		
Caltangan	Sur Isidro	BP526023	09/50/20	8.84	3.96	0.50	16.0	0.550	3	
Cabanyan	San Isidro	BPW-7788		(8.29	\$1.8	150	1.02	0.630		
Cabangan	San Juan	BPW70356		18.29		_				
Cabanean	San Kafaci	BPW-7785		25.00	4.88	1.24	18.1	0.757		
Cabangan	Sta. Kita	BPW-7784		28.96	2.44	1,24	1.64	0.757		
Candelana	Babancai	81707710		15.24				0,440		
Candelana	Babancal	BPW-6802		12.20				0.630		}
Candelana	Babancal	BPW 10-11	11/25/57	15.46	2.00	0.44				
Candelana	(Binabalian	818/ Md8	02/28/55	22.X6i						
		19 DW 103 CD	APLECTACI.	40.4X						-
******	Total I	0.01 to 7.01	5			-				

MUNICIPAL	LUCATION	WELLING	DATE	DENTH	SWL L	2000	DESTRUCTION		- CANADA	
Candelana	Cuatalaco	BPW210x6	105/29/63	22.86	5.49	0.6.5				
Candelana	East Libertador	BPW204X2	12/31/57	21.95	<del>19</del> 7	O.44				
Candelana	Lawis	8169 <del>8</del> 648		21.34	5.49	0.52	0.83	0.530		
Candelana	2-awrs	BPW21085	85/62/50	06.45	5.49	0.63	4.50	0.1401		
Candelarra	Lawrs	BPW2e08K	1,9/20/90	22.86	3.66	0.50				
outsput,	Lawis Elementary School	15 W 7x 39	06/08/05	193	3.00	0.50				
Candelana	Libertador	BP546316	09/22/63	7.32	0.91	x5.0	0.61	0.620		
	1 sherractor	(BPW-8320		22.87	2,13	0.50	0.66	0.757		
Contestant	Malabon	BPW10351	07/20/56	10.97	-					
The state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the state of the s	Northern Poblacion	BPW20484	02/07/58	17,08	2.74	17.0	0.61	0.720		
Curvented	Pambian	BPW10352	07/08/56	14,63		-				
Carlotte and the	Dambas	BPW20485	(02/26/58	13.111	2.74	<b>1</b> ,0	8.1	0.440		
Candalas	Pamococan	8PW16410	15/11/60	57.6	2.13	0.63	0.61	1.030		
Caraciana	Danacomon	BPW16409	ON21/57	11.28	1.83	0.0.51				
Canociana	Voblecon			00.05						
Catholica	2 Contaction	HPW MIRT	10/07/54	116757	1.22	1.93	17.7	0.700		
Candelana	Control	EP\$46314	08/30/63	8.53	0.91	170	0.61	0.720		
Canociana	Stateon	RPW-X319		21.95	183	3.62	25.1	2.210		
Candelana	Collision United	RPW204×3.	×5/07/10	10.63	EXT	0	3.14	0.140		
Caboelana	Scotletti t conscion	89446612	69/1/2/50	14.02	800	0.32	0.30	1.070		
Cabdelana	Depte 1	00545315	08/31/63	4 57	160	140	0.61	0.720		
Candelaria	Vacon	RDW-AKII	2012	3	- XX					
Candolana	Cacon	ANUTATION	×5/90/40/	10.6	2 5	S 0				
Candelana	Lacon North	0801484	SCHOOL ST	97.04	244	17 C				
Candelana	Uacon South	Dr.W21007	05/5/5/5	2.00		2 2				
Candelana	West Libertador	BPW2048	10/31/57	76')		0.00		4 250		
Candelana	Western Lawis	BPW21085		7.14		,		0/4		
Candelana	Western Lawis	BPW21086	06/24/5K	7.01	2.13	0.3				
Candelaria	Yamor	BPW21087	07/25/5k	7.01	2.13	0.38				
Castillejos	Angeles	LWUA#45		13.70	2.60	-				
Castuletos	Balaybay Elementary School	BPW64707		21.30	4.60	0.44	16.0	0.483		
Castilleros	Balaybay West	8PW10345	04/23/56	111:81						
Castilleros	Banne	BPW 6523	09/03/54	11.58	4.27	0.63	0.61	00:0'1		
Castilleros	Воеа	BPWS4688		21,34						
Castilling	Del Plar	BP541810		27.44						
Costillinos	Del Priss	BPW 7328	12/11/54	36.58	7.41			2.630		
Castilleros	coc	8PW-8018		13.72		0.52	0.83			
Castilleros	3007	BPW21812	107/31/67	33.53		0.63	0.78	0.810		
Castilleros	7000	LWUA #42		32.00	4.23					
Castillejos	Magbunga	8PW-9335		23.47				0.630		
Castillejos	Magsaysay	BPW	19/61/10	24.40		0.50	2.1	0.230		
Castillejos	Magsaysay	8PW-7331		71.34	1.83					
Castilletos	Wagsaysay	BPWS4692		21.34						
Castilletos	Magsaysay	LWUA #35		08.61		_				
Casadetos	Nagbayan	BPW62703	07/80/90	13.72	<b>1.44</b>	0.76	1.23			
Castilleros	Plaza	8PW	19/10/1/01	86.08	25.1	0.50	3.12			
Castilleros	Poblacion	BPW 7213	11/17/54	4K.17	\$0.E	\$6.0	4.52	0.210		
Castilleios	Poblacion	8PW54631		25.91	96 °					
		TOWN AND	100/00/54	14.635	118.0	0.63	2,73	198.00		

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MUNICIPAL		ON CHARTS	3140	2015	1			5	SECTION SECTION
astulejos	San Nicolas	BPW 6524	09/20/54	0x.×:	7°C-1	0,0.5	3.	0.410	
Sastilejos	San Pablo	LWUA #38		12,20	2.31				
asoliejos	Sta Mana	BPW 6522	08/14/54	CI 57	6,10	6.63	4.50	0.140	
assitetos	Nana District	8PW10346	95/01/100	8.23					
Sastificios	Villaflor School	WdRi	106/30/67	10,06		0.63	0.61	1.030	
t)a		BP526232		62.81	2.44				
pa		BP526233		15.85	3.00				
ea ea	APC Compound	8PW54682		15.34		3.05			
at.	Amuran	BP526017	09/10/60	10.36	1.52				
ða.	Атмиркал	BP526123		19.15	2.44			-	
pa	Amungan	18PW 61.30	04/25/54	7.62	4	0.32	0.30	1.070	
අද	lhadli	BPW54694	04/12/69	13.72	17.	0.0	0.00		
<b>1</b>	Bangantalinga	BP526013	04/25/60	12,50	3.66	0.50	1.22	0.410	
ça	Bangantalinga	BP526016	09/50/80	17.68	8:	14.0	1.52		
S.	Bangantalinga	BP526124		9.15					
pa C	Bangantalinga	BPW-7167		19'0!	3.05				
D.	Sangantalings	BPW52621	02/16/62	51.6	3.04	0.38	2	0.207	
ra a	Bangantalinga	BPW54721	09/23/72	13.43	×	0.50	160		
87	Bangantalinga East	8P526014	05/25/60	19.51	4.57	0.50	2.50	0.200	
ra Ca	(Dampay	BPW54691	69/14/66	>> >	3.66	0.383	1 23		
pa	Ungin	BPW21082		7.01	7.	0.33	CP U	\$77.0	
Da .	Ointa	BFW-7176		10.67	2.74		1,7,7		
8	Hacienda Mayor	B-WS468.		67'08	4 <7				
Z.	(Iba Elementary School	BPW 784!	03/15/55	27.44					
.83	Lawak	BPW54631		8.23	160				
pa	Municipal Building	BP526233	09730762	15.24	1.52	0.3	30.5	2.060	
S.	Nursery Bo. Plant Industry	8PW 77x2	03/19/55	18.29	2.44	15.0	1.23	0.414	
28	Palanginan	BPW 6796	05/10/54	10.67	30.	19.0	0.18	3.500	
pa	Palanginan	BPW54681		15.24	3.05	2.52		ļ	
pa a	Palanginan bayong Karsada	BPW19445		7.32	2	0.32	0.52	0.621	
æ	Poblacion	BP525921	12/23/59	18.30	3.05	7.25	6,90	1.480	
tha.	Protoquin	BP707716		9.15	2.13	0.75	15.1	0.497	
20	Provincial Hospital	BPW		13.41				-	
ba	Provincial Hospital	BPW (0.34)	03/14/56	14.02	3,05				
pa .	San Agustin	8125026	09/51/60	7.32	2.13	770	1.22	09:0	
g	San Agustin	BPW-7168		9.15	3,05				
Da.	Sta. Barbara	BP526221	03/30/62	24,40	12,20	0.32	0.62	0.520	
83	Sta. Barbara	BPW 6056	04/09/54	16.15	7.8.1	0.32	2.91		
ba	Sta. Barbara	BPW20490	06/16/67	22.86	3.05	0.50		_	
සු	Sta. Barbara School Site	(BPW	06/21/67	15.55	3.05	0.50			
Et.	Sta. Kita	BPW64721		13.41				-	
pq.	Sto. Rosario	BPW 7840	03/10/55	4.73	2.74	-		-	
73	Sto. Rosario	BPW54637		8.84	16.0			-	
DB	Lambac	BPW20489	02/04/59	06.08	84.8	0.57		-	
Masinioc	Baloganon	BP526132	19/11//0	18.90	E17			-	
Masunioc	Balovanon	BPW-0800		51.6	1.57			0.517	
Mastrioc	Baloganon	BPW52623	05/22/62	6.75	0.51	0.50		-	
Masinioc	Isamban	BP52624	06/18/62	13,41	51.5	0.50	1.22	0.410	



MUNICIPAL		WELLING	TWITE	UEFIR	*	~	DEATH		20100	
Masmine	Bamban	9108-W-R		13.72	144.0	V.0.V	1970	1.0.55		
Masinioc	Bani	BP526114	09/29/61	4,15	3.051			0.380		
Magnific	Habs	BPW52612	03/06/61	11.28	4.57	0.50				
A SHINO		50,8-WGB1		16.59	2.44	6.95	19'0			
Masiploc	Bant Elementary School	RPW52616		37.26	3.80	0.44	8.40			
Masinioc	Cabangon	5109C36B		27.13	3.55	0.63	2.43			
Masinioc	Cabuxao	2.000-000 2.000-000		10,77	4	0.63	1.22	0.517		
Masinloc	Collat	C16-70-31-01		10 52		-				
Masinloc	Набале	AL ACADOCIO	1977,446	77.33	7.32	0,0	25.00			
Masinloc	Inhobol	Dr.w22013	10.4.77	600						
fauntoc	Каћамалуал	BF520116		102.13		1				
Masinioc	Карруамал	BP526211		18.29	-					
Masinloc	Linie Baguio	BP526115		21.34	7.32					
Masurice	Masinioc Elementary School	BP526234		59.45	3.05					
oojuise M	Poblacion	BP526131		52.74	5.49	3.79	8.81	0.430		
Manager	Poblacion	6560-W441		12.20	1.8.4	Ï				
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America	September 200 may	BPW-8844		20.73	19'0	0,13	61.9	0.090		
Washioc	Sold Supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply and a supply a supply and a supply and a supply and a supply a supply a supply a supply and a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a supply a suppl	18PW10.144		14.02	4.57					
Masimoc	Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction of the Contraction o	HPW52616	101/18/02	37.19	3.66	770	3.80	0.050		
Masanioc	San Solvador	8PW52621	02/22/62	40.55	9.15	0.50	1.52			
riasimot.	Sold Office Control of the Control o	(BPW52622		12.44	7,62	0.51	42.1	0.330		
Washing.	Com Colondon Jeland	(BPW52614	05/17/61	46.58	6.10	0.50	3.12			
viasinio	Court Constant	18PW 7436	101/14/55	24,40		-				
Masinioc	San And	HPW-7439		45,04	1.22	-		0.210		
Mashiroc	old, Nosario	HPW 2430	01/07/55	19.82	-	-				
Masibiloc	Takin	HPW52613	19/11/10	33.23	6.40	050	1.22	0.410		
nasimoc	) A 24.441	0.100,000		. 62	4.27					
Mashiroc	1 apout	RP526111	04/15/61	56.71	3.96	-		0.320		
Masinioc		HOWA2701	02/51/20	21.95	2.13	0.76	1.52	L		
Otongapo City	Burreto Elementary Action	Captain 10	10/15/68	2.9%	l	25.7	787			
Olongapo City	Boys Lown	100m21130	2017.101							
Olongapo City	Public Cementary	BPW54689		4.1.40	16.29	C C				
Olongapo City	Site No. 1, Cordon Heights	BP546913		61.6	١					
Clongapo City	Site No. 2, Cordon Heights	89546915		51.6		1.20				
Palaur	Aiwa	BPW15120		13.72	2.74	0.31	62.1			
alauré.	Sanga	BP526011	05/18/60	9.50		0.63	06.0			
Palaur	Bato	WAR	06/21/67	9.15	16.0	0.50	0.61	0.820		
Развия	Bato	BPW 7780	03/09/55	04.40						
Palaure	1530	BPW19440		7.62	16.0	0.31	16.0	0.340		
Palatre	Bulawen	BP526222		96.59		1.90				
Palause	Bulawen	81/10/48		18.29						
Palauig	Bulawen	BPW-6797		43.01	_					
Palaurg	Bulawen	8PW15119		43.90		0.38	2.15			
Palaure	Bulawen	BPW2:815	65.77.17.18	13.61	6.71	0.95	0.30			
vine[c]	Bulawen	8PW52592		[74]	11.79	0.95	0.31	3.100		
Palaun	Cabulucan	8PW14139		14.33						
Yalaure	Camp Alvaran	6PW 5825	09/28/53	67.811		1.26				
Palanie	Cauvon	BPW15113		90'01		0,44	0.92	0870		
Z.000		Charles of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Control of the Contro		Vn v	l	DP O	-			

	ichood ding Site	NP520028 BP520029 BPW14143 BPW18142 BPW BPW	10/07/60	3,60	183		19:0	0.550		
OHIO ONIO ORIO ORIO ORIO ORIO	ichool ding Site	3P526029 3PW18143 3PW18142 3PW 3PW 15717	10/14/60	99.5	1.22	0.50	16.0	0.550	- 1	
onio Onio Onio Onio Onio Onio Onio	chool ding Site	3PW14143 3PW18142 4PW 4PW15717						1461.0		
Onto Onto Onto Onto Onto Onto Onto Onto	(chool)	3PW18142 3PW 3PW15717		9	0.91	0.25	14.1	2		
Onic Onic Onic Onic Onic Onic Onic	choos ding Site	3PW 3PW15717		7.93	0.38	0.38	1.22	0.310		
ONIO ONIO ONIO ONIO ONIO ONIO	chood ting Site	3PW15717	19/18/50	12.20	3.05	   		-		
OHO Ohio Ohio Ohio Ohio Ohio	chool			7.32	0.63	0.63	0.61	1,035		
Onto Onto Onto Onto Onto Onto	ding Site	35.00	05/08/67	5.48	1.52	_				
OBIO ORIO	cing Sire	3PW14138		8.23		-				
Onto Onto Onto Onto Onto Onto Onto Onto	ding Sire	BPW15116		4.27	0.51	0.50	0.60	0.830		
onic onic onic onic onic onic	ding Site	3PW15115		7.62	-			-		
ONIC ONIC ONIC ONIC ONIC ONIC	ding Sire	BPW19439		99.5	0.91	0.31	38.0	0.520		
ONIO ONIO ONIO ONIO ONIO		3P\$26027	09/67/60	5.79	16:0	0.63	10.0	1.030		
OHIO OHIO OHIO OHIO OHIO		1974-7707		28.35	0.31	0.32	6.15	0.052		
Onto Onto Onto Onto Onto Onto		3PW	05/26/67	45.73	9.14	0.50	x.33	0.060		
ODIO ODIO ODIO ODIO ODIO ODIO		BPW15118	05/22/67	42.07	10.67	0.32	8.00	0.040		-
		3PW-6798		14.63	2.74	-		<del> </del>		
		BPW15121		3.35	1.22]	0.31	8.0	0.345		
		3PW14137		8.23	0.75	0.76	0.92	0.830		
		3PW14141		7.93	1.83	0.75	0.90	0.830		
		3PW15114		7.62	1.22	06.0	6.63	0.970		
		3PW15122		7.02	1.83	0.31	61.1	0.260		
		BPW14140		10.7	0.63	0.31	3.60	0.086		
		BPW14145		4X.X	0.63	0.63	0.91	0.690		
	1	BPW-80.7		25.95	14.2	0.63	1.22	0.517		
		- WUA#1		110.00	0.63					Test Well
	1	3PW54611		26.83	3.35	0.63	0.30	2.070		
		3PW54671	02/09/68	30.48	3.00	-		-		
	1)	LWUA#57		16.30	2.13	_				
		LWUA #65		53.04	7.30			_		
Sub Antonio (NCSP, Sub Migue)		LWUA #66		32.90	3.30		:		-~	
San Antonio McSP, San Miguel		LWUA #67		33.50	1.80			-		
San Antonio NCSP, San Miguel		-WUA #68		36.60	1.80	-	-			
		LWUA #69		36,60	3.00			-		
		3PW-7834		21.12	1.52	0.75		0.830		
San Antonio Water Works		6130 W48	07/08/54	55.48	7.62	56.0	46.5	0.160		
San Antonio Water Works		BPW 7220	07/27/55	56.09	1.22	2.21	0.61	3.620		
San Antonio San Esteban		SPW 6132	04/25/54	15.85	3.05	6.95	1.53	0.620		
San Antonio San Gregorio		LWUA #47	12/04/81	36.60	2.80	5.55	18.60	0.500		
San Antonio San Miguel		8PW-6517		23.17	7.62	44,0		6.180	-	
San Antonio San Miguel		TWUA #61		15.20	2.40					
San Felipe Bucao Water Works		BP526031	19/01/20	18.50	4.27	2.20	0.61	3.610		
San Felipe Maligaya		BPW-9016		15.55	4.27	0.63				
San Felipe Majorna		3PW-9017		15.55	3.05	0.63				
San Felipe Manghemor		BPW-9011		10.9%	2.74	0.63				
	The second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second second secon	3PW-9012		17.38	3.05	0.88		-		
		BP\$26231	05/08/62	18.30	4.27	K.52	0.61	079.81		
		182W-7164		14.02	2.74					
San Felipe San Rafael		5PW-9013		19.82	3.35	0.63				

MUNICIPAL	COLLOS	OK-THEM	7777		2	******			
San relide	Nan Katael Etementary Nchool	[BP707713		15.24	7:24	0.75			
San Pelipe	Sindol	\$106-W48		15.24	2,44	0.63			
Nan Feine	Sto, Nino	BPW-7164		155.11	2,44				
An Marchino	Aviao	SPW-6518		33.54	10.67				
San Marcelloo	Aglao	18PW10347		17.38					
Con Marcelino	Ratiwo	(8PW 7217	92/05/55	86.58	36.58	56.0	90 f	0.100	
an Manalino	Consucio	ST# VOMT		12.50	2.74				
San Marcelino	Consucio Norte	8595W48	107/31/63	12.50	1.52	56.0	19'0	1.550	
Nan-Marcellino	Pagi	(BP526051	01/12/60	28.61	9.15	0.50			
Nan Marcelino	LaPx	BPW 9015	04/30/56	13.11					
San Marcelino	Zeoar.	BPW 6080	08/33/67	18.90	16:0	0.63	1.50	0.420	
San Marcelino	Laoag	LWUA #24		18.29	1.50				
Nan Marcelino	Lawin	BPW21083	85/60/70	13.72	6.10	0.44	0.92	0.480	
San Marcelloo	Linasin	BP546914	69/05/90	26.22	19.0	0.76	3.62		
San Marcelino	Lanasin Barno School	BPW 7304	29/21/80	24.40	16.0	0.63	2,10		
An Marcelino	Linosungan	BPW 7303	11/12/54	67.81		,			
Asp Marcelino	Linosungan	LWUA #48	01/18/78	179.90	1.02	50.70	36.6	12.840	
Nan Marcelino	Nachunga	BPW 7305	11/18/54	17.07				,	
on Mancellah	5	BPW54634	06/11/63	12.20	9.15	0.44	0.6		
Sale Wasterland	Di023	BP526030	12/02/60	2,40	2.74	0.63			
Som Paracellus	West of the second	8 PW 5271	101/20/51	12.4	3.05	1.26			
San Marcelino	7 2 2	18PW 5901	02/09/54	35.08	6,10	1.26	1.52	0.830	
Con Montaline	V3.0	BPW 7216	12/21/54	11.28	1.83	0.63			
Care Managemen	Sea Dayles	RPW 5003	03/21/54	32,32	10.67	56.0			
Salt Marchine	Control Control	(C# V 1 W 1		21.30	7.50				
San Marcelino	San Kataei	174 VO 1171		05 S	02.5				
San Marcelino	San Kataei	77# 40 #77	* P. P. C.	37.03	000	06.5	VC 34	0500	
San Marcelino	Via. re		03/3/1/34	37.40	0.4.3	3.10			
San Marcelino	Sta. Fe	BP529021		16.51	14.30	0.4			
San Marcelino	Sta. Fe	BPW 9014	05/61/50	21.34					
San Marcelino	Zambaics Breeding School	[874-W48]		21.34	44.2	0.03			
San Narciso	Alusiis	BPW-8014		25.20	3.05	0.63			
San Narciso	Bedding	8PW-8015		26.22	1.x3	6.95		_	
San Naceso	Bedding	BPW21084	04/24/58	10,67	4.5	PP-0		_	
Nation Nation	East Elementary School	BPW 6521	08/13/54	39.88	4.57	0.63	3.00		
Nan Narciso	Collo	BPW-8321		22.87	3.66	0.63	1.23	015.0	
San Narchso	La Paz	BPW 6985	08/23/54	14.02					
San Narciso	Mabaloguen	135707712		15.24	3.05	69'0	05.1		
San Narciso	Namantacan	BPW-7836		24.39	77.7	0.32	6.63		
San Narciso	Natividad	BPW-8012	:	25.30	4.27				
San Narciso	Poblacion	BP647104		73.17	0.61	1.26			
San Narciso	Poblacion	8PW 6520	07/26/54	64.08	7.96	56.0	16.6	0.160	
San Narciso	Public Market	LWUA #16		. 73.20	09.0				
San-Narciso	San Jose	BPW-8011		25.30	3.05	0.63	0.61	1.030	
San Narciso	San Jose	(LWUA #12.		01.6	1.70				
San Narciso	San Pascual	BPW-8013		36.59	4.88	0.63	19'0	1.030	
San Narciso	San Pascual	BPW20488	12/24/58	16.16	1.52	139°O			
San Narciso	Simminublan	8PW-7837	_	24.39	2.13	0.63	1.54	0.410	

	A Olas Process	07 1300	33.40	HUMAN	133.5	DISCHOL	DKAWOWN	SPCCP	USAGE	KEMARKS
CONSCIENCE	Maran Kabala	15PW140.48		287	1			<del> </del>		
		BP\$26241	29/31/80	6.71	1.52	0.32	2.46	0.1.0		
		D DVV 1 A 5.24	2010	14 61	I for O					
		0.00 1 10 10		10.0			1.5.5	0810		
Santa Cruz	91	1107CM-19	1017,50751	00.77	\$ C.	2.2	100	2		
Santa Cruz	Bayto	BPW54633	79/22/167	9.45						
Santa Chuz		BPW 7435	12/22/54	19.82						
	Biay	BPW54633	50/14/65	15.72	3.05	0.63	1.21	0.520		
Santa Cruz	Biay North	13PW10343	95/15/10	14.65	Li			-		
Santa Cruz	Bolitoc	BP52601*	09/20/60	11.58	1.52	05.0				
	Bolitoc	8P526019	10/15/160	26.52	3.66	-				
		BPW 7434	01/01/55	16.77	 	0.63	\$81	0.340		
		BPW10406	15/10/90	10.36	3.05	0.48	1,52			
Santa Cruz		BP526015	06/15/60	10.36	2,44	0.50	5.22			
	Calibongan	BPW21090	109/15/58	4.27	0.32	<b>!</b>				
Control Control	development, )	BPW14643		28, 12	1 ×3	410				
		DOWN A A CO	0.6(7) 236.7	70. 21	125	0.0				
	Cama	OF W 10402	0.57.5.307	10.67						
	Gama	BPW\$4693	103/14/69	00.01	7	018	£.11	0.190		
Santa Cruz	Gama School	BPW-7439		44.51	4.57					
Santa Cruz	Gungurs	MdR	07/26/67	6.40		0.50				
Santa Cruz	Singsing	BPW 6984	09/26/54	16.77	£8 !	0.32	88.	0.170		
	Lupay	BPW 6988	0x/2x/52	28.96	-					
	Norte	BPW14040		9.15	16.0					
Names Cour		BP526041	01/10/61	25.30	7.62	0.50				
Sapta Cruz		BPW 6983	109/12/54	26.83	19.0	16.0	2.45	2.5%0		
To the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of the second of		CLAMINGR		10.46		Ī				
Surface Cross	2000	RP546310		161.65	4.57	1				
Same Cinz		STOCK STOCK	276 1617	35.51	l	05.0				
Santa Cruz		ærw	/0//1//0/	50.61	36.1	05.0				
Santa Cruz	Мајавако	8PW 6970	108/21/54	20.41		35.0	1.7.1			
Santa Cruz	Malabago	BPW 16407	06430/57	22.86		24.0	0.30	1.470		
Santa Cruz	Nauto	RPW14641		51.6						
Santa Cruz	Northern Poblacion	85W 6989	10/22/54	10.97		2.20	2.02	1.240		
	Pagamai	BPW16403	04/03/57	15.55		0.57				
	Pamonoran	8PW14645		11.34		44.0				
	Poblacion	BPW 7431	12/23/54	7.02		0.63	2.10	00300		
	Poblacion	BPW-7306		38.86	1.22					
Santa Cruz	Poblacioo	BPW-7432		26,22	3.05	0.63	2.10	000:0		
Santa Cruz	Poblacion Center	BPW14639		6.73	0.76					
Nama Cruz	Sabang	BP526020	11/30/60	12.19	9.15	05.0				
Santa Cruz	San Fernando	BPW 7430	01/07/55	14.82						
Santa Cruz	San Fernando	BPW-7433		2734	8.	0.63	0.83	0.760		
Santa Chiz	San Pernando	BPW16405	105/23/57	18.29						
Santa Criz	gueragu	BPW14644		23.78						
Santa Cruz	Tubotubo	82546310	108/28/63	90.64	4.57	0.63	3.00	0.210		
Santa Criv	1 ubotubo	BPW-8324		33.54	8. E	0.63				
Nanta Ceur	Tubotubo	BPW16404		50,30		0.57				
Subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection of the subsection o	Kalaybay	RPW62704		₹5.1.5		40				
	(Calabaritan	X584 WQM	09/27/54	XY !	ŀ	190	7	0.410		
Subic	Catapacuan	0.00 mm	100500	617.517	ŀ	5				
Subsc	Laiapardayan	Drw / p. t.	10/4/1/1							

MONICIPAL	COCATION	ONTTY	31.Va	CEVIA A	SWL	DESCHOE	DKAWDWN	SPCC	CSAGE	KEMAKAN
2007	(Calapandayan	BPW10548	04/0.956	0.40	<del>**</del> **	6.03	1.62	0.390]		
ubic	[Mangan-Vaca	BP526030	02/15/63	40.24	1.52	1.57				
ngic	Manggahan	15PW54638		42.08			-			
opic	Matain	BPW 7214	11/30/54	13.72	1.52	0.63	3.00			
bc	Matorin East	BPW 7215	12/00/54	12.20	3.05	0.76	1.52			
nga	Matain Jolons	BPW-8328		14.63	1.8.3	0.63	10.0			
, di	Natan North	BPW-8327		25.91	3.05	0.63	†\$"¦			
anpic	Pamatawan	BPW-8019		30.49	2,74	0.69	05 1	0.460		
pldu	Ратасамал	BPW20487	11/27/58	18,41	8.5	4.0				
Subic	Pamatawan Elementary School	BPW62702	04/15/70	10.67	3.05	0.57	1.54			
abic	Subic Water Works	BPW 7219	35/41/30	\$9.63	1.52	9.31	12,37	0.510		

NWRB Well Inventory
DEPTH = Maters Below Ground Level (m)
DRAWDWN = Drawdown (m)

Source: Notes:

SWL = State Water Level (m) SPCCP = Specific Capacity (Vsec/m)

DISCHGE = Discharge Rate (1/sec)

0

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CASLE ADDRESS: "MWSS PH"

#### Table 7.5.1 Water Quality Examination Results

In reply, please refer to Tel. Nos. (2) 95-32-11 to 29 FAX No. (2) 921-2887 Telex No. (722) 27947 MWSS PH



# Republika ng Pilipinas PANGASIWAAN NG TUBIG AT ALKANTARILYA SA METROMANILA

Metropolitan Waterworks and Sewerage System Katipunan Road, Balara, Quezon City 1105, Philippines CENTRAL LABORATORY DIVISION Sewage Research and Analysis Section

04 October 1994

Sample Submitted by : Jorge C. Mateo

Date/Time Collected: 29 September 1994/11:50 am
Date/Time Submitted: 30 September 1994/8:45 am

Source of Sample : JD-3

Nayon River, Sta. Cruz, Zambales

Sample Analyzed by : B. Astudillo, R. Xavier, N. Alma Jose

and H. Labaro

#### ANALYSIS OF RIVERWATER SAMPLE*

Color		units	:	5.00
Turbidity		units	1 .	5.50
Conductivity		µs/cm	:	246.00
рН	:	1. 1. 1.	;	8.20
Alkalinity		mg/L	:	117.00
Total Hardness as CaCO,	1	mg/L	:	108.00
Ca Hardness as CaCO z		mg/L	:	58.00
Mg Hardness as CaOO 3		mg/L	:	50.00
Chemical Oxygen Demánd (COD)		mg/Iւ	4	71.40
Chloride		mg/L	:	2.50
Sulfate		mg/L	:	5.00
Total Iron		mg/L	:	0,10
Manganese		mg/L	•	0.00
Ammonia-Nitrogen		mg/L	:	0.30

^{*}Sample received as submitted by client.

Submitted by:

BUHAY S. ASTUDILIO Chief Chemist, SRAS 3717-76

Certified Correct:

CONCEPCION M. MASANGA Manager A, Central Laboratory Division



## Republika ng Pilipinas PANGASIWAAN NG TUBIG AT ALKANTARILYA SA METROMANILA

Metropolitan Waterworks and Sewerage System Katipunan Road, Balara, Quezon City 1105, Philippines

CENTRAL LABORATORY DIVISION
Sewage Research and Analysis Section

04 October 1994

Sample Submitted by

Jorge C. Mateo

Date/Time Collected
Date/Time Submitted

29 September 1994/9:55 am 30 September 1994/8:45 am

Source of Sample

: JD-4

:

Bagsit River, Palauig, Zambales

Sample Analyzed by

B. Astudillo, R. Xavier, N. Alma Jose

and H. Labaro

### ANALYSIS OF RIVERWATER SAMPLE

Color		units:	45.00
Turbidity	-	units:	42.00
Conductivity		- μs/cm :	620.00
pН		:	7.30
Alkalinity		mg/L :	49.00
Total Hardness as CaCO 2		mg/L:	80.00
Ca Hardness as CaCO z		mg/L:	30.00
Mg Hardness as CaCO 3		mg/L	50.00
Chemical Oxygen Demand (COD)	:	mg/L :	142.90
Chloride		mg/L :	139.00
Sulfate		mg/L :	20.00
Total Iron		mg/L :	2.90
Manganese		mg/L :	0.22
Ammonia-Nitrogen		ng/L :	0.50

 $^{^\}star$  Sample received as submitted by client.

Submitted by:

BUHAY S. ASTUDILIO Chief Chemist, SRAS 3711-96

Certified Correct:

CONCUPCION M. MASANGA Manager A, Central Laboratory Division



