# WQ WATER QUALITY

#### THE STUDY

ON

## COMPREHENSIVE MANAGEMENT PLAN

FOR

#### THE WATER RESOURCES OF THE BRANTAS RIVER BASIN

IN

#### THE REPUBLIC OF INDONESIA

### FINAL REPORT

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# WQ Water Quality

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Table-1(1) Caluculation of Water Quality (BOD) at Burniaya Bridge (1994)

lem.		HEAT CO.	35.5	<u> 14 -                                  </u>	25%	NE.	-: <u>-</u>	522. 5	7.75	177.1
EPublistien kuid from uputorum EPublistie quidity of Dinoya Bridge (1965	a l	n <sub>e</sub> 1		i		ļ	-	- 1	1	
2)Water flow of Dencyo Bridge	oc	0.3	ì	i		- 1	- 1		í	
3 Politorina Load from apotreum	lie-orige	12 des	1		i i	i	- 1	l l	- 1	
4) Remoff pollution had from upstroom	i.o	Lg: 3.5	ŀ			- 1	Ì	İ		
B. Pallution lead from tab-boun						1		ì		
& Domersia we the mater				•		1	i i	- 1	- 1	
At Pullidion load (S.A.S., in BRO)			- 1	i			į	- 1	- 1	
1) Pollution lead produced	a1	1 to 1	635	635	635	635	635	675	- 1	
t) Flow-eutono	au at2	- 1	0.3	63	0.7	03	0.3	03	- 1	
3) Flore de via mela 4) Reposit ratio	(d (d) (e) (2)	: !	0.33	0.53	6.03	0.03	3 63	0.03	- 1	
3) Run-off pollution load	Oj- al uri	hg day	19	19	:4	19	19	19	- 1	
A2 Politician load (Sub-basis PCG)						- 1			- 1	
1) Pollution lead pendaced	25	Lg (Ly	1.824	1,829	1.82	1.829	1.829	1,929	ļ	
2) Film out indo	0.1	·	0.5	0.5	0.5	0.5	0.5	6.5	1	
3) Fion-down ratio 4) Rumoff catio	(2-2 (2-(2-15)2-2)	:	04	6 4 6 2	02	0.7	0.2	0 4 9 2	- 1	
5; Run off pollution had	03-32-62	i gʻday	366	366	356	أيير	166	365	i	
A3 Politarion lead (Sub-tasin 8026)					4	i			- 1	
t) Politicion lead produced	1.3	13 dey	4,706	4,706	4,706	4,766	4,70n	1,74%	- 1	
2) Flow out ratio	(A-1	.	0 7	0.7	67	0.7	67	0 7	- 1	
3) Flow down ratio	0-2	- 1	0.3	0.3	0.3	0.3	0.3	0.3	i	
4) Rus-off ratio	() ((3-1x(3-2)		0 24 988	P.21]	988	959	0 21 938	953	į	
5) Rumoff pollution had A *Pollution lost (Subshavar 8021)	D3+ 23 % r3	12 (1)	770	-37	7~0	783	*35	****	1	
1) Publisher lead produced	),t	Lg day	6,772	6.772	6,712	6,772	6,772	6.272	- 1	
2) Flore cut ratio	r#1	- 1	97	0.7	0.7	97	0.7	9.7	- 1	
3) Flow dows ratio	142	-	0.3	93	0.3	0.3	0.3	0.3	- 1	
#) Run-off ratio	(4 ((4 ) t) 4 2)	الشا	0 24	0.21	021	0.21	0.24	6.21 (.422	- 1	
\$1 Run-off politicism load A5 Politicism load (Sub-basin BC22)	C-3- p-1x p-1	kg day	1,422	1,420	1,427		- 24	(42.2	- 1	
1) Pollotice lead product d	الد	ردت و د	2 244	2 344	2.244	2 244	2.244	2 244	- 1	
2) Plan extensio	r5-1	*-	6.9	0.9	CV	0.9	0.9	o <b>√</b>	į	
3) Film does ratio	S-2	I • I	03	6.9	0.8	ОВ	0.8	D.X	Į	
4) Rus-off ratio	rs-3 (rs-1) rs-2)	Lil	0.72	972	0.72	0 12	0.72	0.72	- 1	
5) Run-off politicists had	D5= x5x x5   D4=D1+D2=D3=D4=D5	ig day	1.636 4.411	1.616	8.610 4.413	1.606	4.411	1,616 4,4) (	- 1	
Ab Fold majoff polision tood from dismostic waste water	100-11.702-07-04-07	* - 1		**			7.711		- 1	
Biladustin maste water		1			- 1		i		- 1	
Bit Pollution load from major producers		1 I				- 1			- 1	
1) Poffution load products	M	kg day	1,561	3.561	1.561	0.9	1,561 0.9	3.56(	- 1	
2) Flow-out exto 3) Flow-down ratio	n1-1 n1-2	1 : 1	0.9	0.9	0.5	0.9	0.5	0.0 0.5	- 1	
4) Rus-off ratio	#1 (#1-tett-1)	1 ; 1	0.45	0 45	0 45	0.45	0.45	D 45	ì	
5) Run-off posturion load	H-blacil	is des	703	703	703	703	203	7:03	,	
B2 Pollutine lead from large and evidiom scale industries	}	1 1	1		- 1	ĺ	l	- 1	1	ļ
Pellutioe load produced	95	kg day	7.406	7,406	7.406	3.406	7.456	7,406		
2) Flow-out extin 3) Flow-down extin	[rt2-1 [rt2-2	1	0.7	0.7	0.7	0.7j 0.2j	0.7 0.4	07		
4) Run-off ratio	r12 (r12-(ur12-2)		0.28	0 28	0 :*	0.26	0.2%	6 28		
5) Run-off pollution load	(2-62x r) 2	Rafdley	2.074	2.074	2.074	2,074	2,074	2 074		
83 Pollution had from small scale industries	1	1 1		. !		- 1		- 1		
1) Polluting load produced	ъ3	kg day	1.430	1,430	3,430	1,430	1,430	1.430		
2) Flow-out radio	d31	•	0.1	0.7	67]	0.2	0.7	0.7		
N Flow-dows note	(c)3-2 (c)3-(c)3-(sc)3-2)	1 . 1	0.4 0.28	0.4 0.2	0.4	0.4	0 4 0 28	0.4 0.28		ļ
4) Run-off cate 5) Run-off pollution load	13-63x13	اوداد وا	100	*00	200	100	400	400		t
B4 Total run-off politica lood from the industries	13-1:+12+13	kg day	3,177	3.177	3,177	3.177	3.177	3.177		ĺ
_			1	I	1		I	I		İ
C.Agricultural polistica load C   Politica load Iran fields	1	1		I	-		,	I		l
3) Pollutice load produced	ck	kg'day	j	I	- 1	- 1	j	I		ı
2) Flow-out ratio	21-1			I	- 1		1	I		ı
3) Flow-down raile 6) Run off raile	121-2 121 (121-13121-2)	1 : 1		I				I		l
5) Rus-off politation load	A1- c2s t21	t de de y		ì			ŀ	ŀ		l
C2 Pelation land from livestok		1 1		_ 1	_			_ i		Į.
1) Pullation lead produced	r2	Rg Cay	21.236	21,276	21.276	21,276	21 276	21 276	ļ	<u> </u>
2) Flow out ratio	r22-1 r22-2	:	0 I 0 3	01	01	01	0 2 0 3	01	!	ţ
3) Flow down ratio  4) Run-off satio	722-2 722(r22-1x(22-2)	:	003	803	0.03	0 03	0.03	0.03		(
5) Respect pollution lead	A2- c1 x r22	kg tay	6.18	678	638	678	6,38	678		1
C3 Foral sup-off pollution load form systemistic	Ad-A1+A2	Eap Say	638	636	638	6.35	638	6,98		1
D Other source.	1	ļ ļ		l	ł	ı	ļ	I		
D1 Polytics lend from others	ł	] [		l	į	ļ		l		l
t) Polluius load produced	el	i de	36.620	36.630	36.530	36,630	36,020			
2) Flori out ratio	r31-1	• 1	0 1	0 1	D t	C 1	1.0	0.1		l
3) Flore does natio	r3:-2	•	03	6.0	0.3	0.3	0.3	03		İ
4) Run-off ratio 5) Run-off pollution tead	131 (131-14131-2) O2- d1 c131	رت وا	0.03	003	003 3,595	0 03 1,099	0 03 1,099	003		
Dy statute programs some	W. W. D.			/[	~ 1	~~~1	//			
III Water quality at control point	l .	1		ì	. I	ı		I		[
E.W ster quality monitored 1)1964	i	1	8.3	9.	7 8	8.4	7 8	7.5	<b>5</b> 2	,
1)1994 2)A+cage(1992-1996)	1	Dg?	*4	"	, 'ai	• *	' * ]	''[	0.2	i '
	1	1 1	∣ i	I	}	ŀ		l		l
3)34ediaa(1992-1995)										
3)Mediac(1992-1995) E.Renuli of caludation			. į				[	I		l
3)34ediaa(1992-1995)	E-II-53-13-A3-03 Q	kg day m3/s	9324 190	9.)22 150	9,324 15 0	9334 143	9,324 12.0	9,334	9334 143	

1

Table-1(2) Culticulation of Water Quality (BOD) at Demangan Bridge (1994)

Leon.	ļ	RL C	<u>- 247</u>	_26	- Nove	<u> 12</u>		->	eubar I	5 (V2
offution lead from upstream	]	اا	20	2,7		5.5	- 41	3.8	1	
1196 set quality of Loding Dam (468)	C.C.	ar : 1	720	60	610	57.0	107.0	13.0		
2;Water flow of Lodoya Dam	76-02-00 66	en,}s Le day	12 443	1,400	22 663	31 504	39.753	23.962	- 1	
3 Pollstick lead from upsteren application kud from operation considered artification		t g day	2.453	280	4.533	6.50.	7.65	4,793	1	
\$36000 to 46 Kind a to 40 educations controverse and a factor to the	211-121-12		•	***	1		1			
Pullation had Burn sub-hadn	i	{		- 1		1	ļ			
homestic waster water		li		I			1	- 1		
A I Polluting load (Sub-haves B142)										
B) Polletion had produced	!د	kg day	1,144	1.144	1144	1.124	1143	0.8	- 1	
2) Flow out ratio	z1-4		6.8	0.5	0.8	G R	0.2			
33 Flow down catio	4.2		0.2	6.2	6.2	0.		0 2 0 16	l l	
4) Rus-off ratio	el (el-fael-2)	1	0 16	0 16	0.16	0 16	D 16			
S) Rus off pollutive bud	D:-01111	ks duy	18'5	183	183	\$83	(83)	183		
A3 Pullution lead (Sub-Seria B (SV)		J I								
15 Politation load produced	s2	No Cay	1,493	1.493	1.393	493	1,493	1,493	1	
2) Flore could carlo	r2-1	i • I	C 8	0.8	0.8	6.9	0.8	0.6		
3) Fire despriso	r2-2	-	0.3	0.3]	0.3	0.3	0.3	0.3		
4) Rug-gff máio	r2 (r2-1xr2-2)	l I	0 74	B 24	0.34	0 24	0.24	0.24		
5) RemotT published level	D2-32 x 42	kg day	358	358	358	358	358	358		
A3 Politurios lead (Sub-basin B (53)			i		Į,			1	ľ	
1) Poliutica load produced	43	وچې په	6;7	517	647	517	6.7	6(7	- 1	
2) Flow-out ratio	r3-1	·	0.8	0.8	03	6.3	0.5	9.0	1	
3) Flore descensio	c3-2	-	0.4	04	0.4	0.4	0.4	0.4		
4: Rum-off ratio	r3 (c3-11/c3-2)	-	0.32	9 32	0.32	0.32	9.32	0.32	- 1	
5) Run off published and	D3-23-13	to day	190	103	163	137	197	197	ı	
A \$ Total num-off politicien lead from domestic waste water	Dd-D1+D2-D3	t, day	736	179	739	739	7,39	739	1	
		1 1	1		1		l		1	
Industria waste water	1	1 1				1	I			
B) Pulluting lead from major producers	ı	I !	الممدا			.,,,,,,]	230.953	210.953	ļ	
1) Pallation load product &	bi	Ly day	230,953	230.953	250,953	230.953			ŀ	
2) Files out ratio	r 6 1-1	٠ I	0.3	0.3	0.3	0.3	0.3	03	į.	
3) Fire does estim	d12	1 .	6.2	0.2	0.2	0.2	0.2		1	
4) Rup-off radio	वा (सानकार छ	I. : 1	0.06	0.06	0.06	0.36	0.06	0.06	I	
SI Run-off pathetion had	11-84 v el i	Ly day	13,837	13,857	13,857	13,852	13,857	19.857	L	
B? Pullstine lead from large and medium wate industries		I '	1	l .	1	i	ا ا		- [	
1) Published tood produced	52	1.4	1,462	1.463	1.462	8 462	1.462	1.42	ŀ	
2) Flow cut ratio	rt2-3	1 .	0.8	0.6	0.3	Ů K	0.5	0.8	Į	
3) Flow-down ratio	r12-2	1 -	0.3			63	0.3	0.3	1	
4) Run-off ratio	r12 (c12-13r12-2)	1 -	0.24			0.24	0 24		l	
5) Ren-off pollution lead	Ø+ 52√ r12	1.45	351	351	350	351	351	35:	Į.	
B3 Pollution load from small scale industries	l .	1		1	I			1	L	
1) Pullution load produced	h3	ks day	257			257	257	257	ì	
2) Flow-out raio	rt3-1	1 •	0.8	. 08	0.8	0.8	0.8		ı	
3; Flow down ratio	r13-2	1 -	03			63			1	
4) Run-off ratio	e13 (r13- (xr13-2)	١.	0.24						I	
5) Republic policies Lad	EN-63art3	6.252				62	112		l	
B4 Total non-off pollution load from the industries	1d-1:+12+13	t g day	14,270	14,270	1.170	14,270	14.270	14.270	- 1	
		1	L		l	j	l	l i	l	
Agricultural pollution land		1	1	l l	1	ì	l		1	
C) Politice lead from fields	I .	1	1	1	1		1		- 1	
2) Pollution lead produced	et Out	te/da	1	1	1	l	ı	į l	l	
2) Flow-out ratio	41-3 41-3	1:	1	1		l	I	<b>!</b>	Ĺ	
3) Flow down exist 4) Run off ratio	@1 (@1-11/21-2)	1:	}	1	l	ı	I	1	ľ	
s) Run-ott raus S) Run-ott politicies leud	At-cinct	ng da	Å	1	1	I	I	1 1	1	i
C2 Polytice lead from Eventok	1	1 -	1	i	1	1	i	1 . 1	1	1
3) Pollutine food produced	263	14.60	y 11.258	8 11.25	11.25	11 258	11.258		. !	
2) Flow-out ratio	724	1 -	[] a:	a] o	. 0	D 1	0.1	1 01	. !	
3) Flow down maio	r23·2	١.	0.	3 0	3 0:	63				
4) Rusi of faire	-22(-22-1ac22-2)	١.	0.0	3 00				6 63		1
5) Runoff pollution lead	A2- c1 x r22	Lg/ds			3 33				}	l
C3 Forch policies food from agains to a	A2-A1+A2	17.60							. 1	
	1	Ι΄.	1	1	1	l .	1	1 1	, !	
D.Other sources	1	1	1	1	1	l	1	1	1	l
Dis Polistica load from others	1	1	1	1	1	1	J			i
1) Poliuson load produced	d)	ن\$اچ يا								1
2) Flow and ratio	<b>(3)</b> 4	1 .								1
Di Flow down paid	31.2	1 -	0							l
4) Run-off ratio	(3) (3) (a)(1)(3)-2)	1. :	0.0							l l
5) Run-off politicion feed	06- d1 v r31	hg da	이 3:	5 3:	9] 31	9 3:1	યું <sup>⊁ા</sup>	310	į l	ı
	1	1	1	1	1	1	}		1 !	•
	l .	1	1	1		1	i		l '	1
		1	, ,			3 7:		ل. ار		I
BEWeter quality at control point E-Weter quality monitored	i i			8 3	5 4	a 2:	5 2	5 35	41	Į.
E. Water quality monitored 1/1994		H) Z	.,							
E. Water quality monitored 1/1994 2)A - erage(1992-1996)		Hb Z	Ί,	1	1	1		1 :	1	ĺ
E. Wister quality monitored 1/1044 23A verage(1992-1996) 3,McCluid (1992-1996)		H) Z			1	1				ĺ
E-Water quality monitored 1):294 2):4-verage(1992-1996) 3):McCus(1992-1999) F-R-vuit of Camidation										
E. Wister quality monitored 1/1044 23A verage(1992-1996) 3,McCluid (1992-1996)	E=0,5-00-10-82-02		ay 18,15							

Table 1(3) Caluculation of Water Quality (BOD) at Jogbriu Bridge (1994)

Tems		No. ick	Pire.	15!	A.,	20.	1	N V. [55	. 021	75 : 1 ;
ම්වියකි. එක් එකෙ පුවණෙන වි)Wiser අයෝජ න් නිදුහතුලට විශාප්යාපුණ (20%)	(ro	m <sub>a</sub> ?	6.3	4.9	10.5	3.6	3.6	4.7	l	
2)Water flow of Signing an Tability and	ÇC	0.15	145.0	56.9	55.5	65.0	52.4	at 9	1	
3)Published for the upstream #[Published had from upstream onto libered self-publisheds)	13-00/00 15-04/0	ke day ke key	76,745 45,350	21,508	50,440 (0.088	21,902 1,3%	37.504 3.41.	3 403		
		•	1			1	.	- 1		
Pullution Red Brown with the dis Authoritis maste water			i	ļ	i		-	- 1	l	
A LPuffoline ked (Sub Naim BNO)		]		i					- 1	
Pullution lead produce	al .	k, da	2,347 0.8	2347	2.34?	2 347	2.542	2.347		
2) Flow and ratio 3) Flow designation	el-1 el-2		0.1	1.0	6.0	9.1	0.1	0.1		
4) Run off exio	et (el-tuet-2)	-	0.08	0.08	0.0%	e os	86.0	O.CH		
5) Ron off poliution lead	D(-a) x ri	E g day	188	[88]	198	194	133	188		
A2 Politice feed (Sub-basis B3(1)  4) Politice feed produced	2.	ردار پر 1	2.544	2542	2.544	2.544	25-14	2541	- }	ı
2) Flow-out ratio	72-1	"	0.8	0.8	0.3	0.3	0.8	<b>6.9</b>	1	i
3) Flow-down ratio	422	·	0.2] 0.16	0.16	0.2	6 2 6 16	0.2	0.2		i
6) Run-off rate 5) Run-off prifurion lead	0 (0:100-2) 03-42-00	ديد د د	#27	#15g	X17	407	40~	407		i
A3 Pullution load (Sub-basin 8312)	1			l	- 1	ı				i
Politation keed produced	2	4, 35	245	0.9	0.0	245	2.45	0.9		i
2) Flow out ratio 3) Flow down ratio	0.2	;	100	0.3	63	65	0.3	0.5		İ
4) Rub off rate	(3 ((3 1x(3-2)	.	0.27	0 27	0 27	0.27	0.27	6.27	1	ĺ
5) Reproff priferion lead	03-3113	kg day	66	66	56	٠٠)	56	66		i
A 4-Politation load (Sub-besin B313)  1) Politation load produced	le le	te day	352	352	352	352	352	352		i
2) Flow-out cano	rt I	1	0.9	6.9	0.9	0.9	6.5	0.9		i
3) Flore down ratio	(4.2	·	0.3	0.0	03	0.3	0.3	0.22		l
4) Rue off ratio 5) Rue off political lead	r4 (r4 (sr4 2) D4- s4s r4	رث چة ارث چة	0.27 95	0.27 95	95	0 27 95	95	95		1
AS Pothetine lead (Sub-hole B314)			l	1	- 1					
1) Pollution lead produced	13	kg day	254	25-4 0.9	254 59	254 3.9	254	0.9		
2) Flow down take 3) Flow down take	が1 が2	:	0.9 0.5	0.9) 0.5	0.9	0.5	0.5	0.5		
ay nicw saws rate 4) Rus-off ratio	6-3 (6-1x6-2)	] . [	0.45	0.45	0 🕸	0.45	0.45	0.45		
3) Run off polision kind	D5- ±14 ±5	ko'dəş	()-2	114	(14	114	114	134		ļ
A S Pollution Red (Sub-Surin BA(S)  1) Pollution lead produced	ما	رىك 🖈	1.521	1,521	150	1,521	1521	1321		1
2) Piew-out ratio	61		0.8	0.6	0.8	0.9	0.6	0 ×		
3) Flow-dump callo	62	l - I	D.A. 2.48	C.6 0.45	0.6	0.6 5.48	0.6 0.48	0.6		
4) Ros-off ratio 5) Ros-off politries head	6-3 (6-1):6-2) 56-36 (6	رث و ا	730	7.00	130	230	30	730		
A7.Paffurion Red (Sub-havis B316)	ì		: I	i	l I		1			
1) Pethalon lead produced	64	Leiday.	(7) 0:0	(71 (0.9	171	17:	171	171 0.9		1
2) Flow-out rain 3) Flow-down rain	0.2	1:1	0.8	0.8	0.5	0.8	0.8	0.3		ŧ
4) Rug-off ratio	17-3 (17-1117-2)	-	0.72	0.72	0.72	0.72	0.12	0.72		1
S) Run-off pollution load	D7+ \$72:17	1841)	120]	123	123	123	123	123		
A5.Pollution tend (Sub-basin 9317)  () Pollution load produced	1.8	1525	2.287	2.287	2.287	2,267	2.287	2.267		
2) Flow-out ratio	rš I	1.7	0.7	0.7	0.7	9.7	6.2	0.7		ļ į
3) Flow days pullo	65-2	1	0.3	0.3	0.21 0.21	0.21	0.3	0.3		ł
4) Run-off ratio 3) Run-off polluties load	:5-3 (:5-1x:5-2) 06- ≥5: :5	t grany	0.21 480	0.71 480	450	480	490	190		1
A9. Total run off pollution load from demestic waste water	Dd-Dt+D8	1 6,53	2.204	2.204	2.264	7.3.4	2 204	2 264		1
Industria waste water						1		Į.		İ
B1.PaGasion load from major producers					ļ ŀ	1	1			1
8) Politation load produced	bt.	12 day	788,4325 0.05	788,432 0.05	768,432 0.05	788,432 0.05	788.430 0.05	761,412 0.05		1
2) Flow-out rails 3) Flow-down take	(r) 1-1 (r) 1-2	1:	0.53	0.5	0.5	0.5	0.5	9.5		1
4) Ruo-off ratio	मी (रोक्तेक्तीकी)	1 - 1	6.025	0.025	0.025	6655	0.025	0.025		1
5) Run-off pollution lead	R-bixell	kg ⊄⊐y	19,21)	19,716	19,741	19,711	19,711	19,711		
B2.Pollution load from large and medium scale industries 13 Pollution load graduced	ь2	kaday	4,748	4,743	4.743	4,7-46	4,748	4,749		
2) Flow-out ratio	0.24		0.2	6.2	9.2	0.2	0.2	0.2		1
3) Flow-down naio	612-2 617 (613-154 (3-2)	!	0.1	0.5 0.1		0.5 0.1	0.1	0.5		1
d) Run-off ratio 5) Run-off politics Year	12-65-d2	k <sub>a</sub> day		475		475	475	475		
B3 Pollution lead from small scale industries							<u> </u>			1
Politrice lead produced	163-1	ag day	791	791 0.2	79: 0.1	791 02	791 0.2	79: 02		1
2) Flow-out said 3) Flow-down ratio	rt3-2	-	0.5	0.0	0.5	6.5	0.5	0.5		1
4) Run-off ratio	713 (#13-12113-2)	1. :	0.1	0.1	01	0.1	01	0.1		
Rup off pollution load     Re Total number pollution load from the industries	13-53xc13 14-11-12-13	(kg/day	79 20.265	25 25 263	29.265	20 265	79 20:265	30,265		1
84. Fotol rug-off pollution food from the industries	[	1	1				1			
Agricultural pollution load	1	1		l	1					
C1 Polytice load from fields  1) Pollution load produced	ļ <sub>a</sub>	ردة ولا	4	l			)			
2) Flow-out ratio	121-1	1.	1	l						
3) Flow down ratio 4) Run-off ratio	(C)-2 (C) (C)-1((C)-2)	1 :		ĺ						
5) Run-off pollution load	A!- cix i28	1,240	1	1	]			l		
(2 Polition load from Evestok  1) Politice load produce 3	.2	بنة ود	24,835			24,338		24,438		
2) Flow out ratio	122-1	1 -	0.05	0.00	0.05	0.05	0.05	0.05		1
3) Flow down ratio	(23-2 (23((22-ta:(22-2)	1:	0.025	0.02		93 902	0.025	0.025		
© Run-off ratio 3) Run-off pollution load	(22(722-18722-2) [A2+ c   1 x/22	Le day			621	621	621	621		1
C3. Total rap-off pollution load from agriculture	A8-A1+A2	Lg day				671	621	621		
Other sources	1		i					<b> </b>		
Differ source Of Pointing load from others			l	1	1		:			1
1) Pollation lead produced	dl	kg day				(2.2%)		12,380		
2) Flow-out ratio 3) Flow-down catio	134-1 131-2	1:	0.05			0.05	0.05 0.5	0.05 0.5		
3) Film-down catio 4) Run-off ratio	631-2 631 (631-12634-2)	1:	000			8025	0.025	0.025		1
S) Run-off pollution load	GC- 41 x r31	t g du		30		347	307	י:ג		1
III. Water quality of control point			l		1					1
E. Water quality monitored					] .	ţ .		ا. ا		
1)1994		கஃி	3.5	3.	B 11.9	3.4	7.7	4.5	5	.8]
2)A versige(1992-1996) 3 (Median (1992-1996)		1	1	1	1	i	I		;	i
F.Result of caluciation	1	1.	1		1		J			
				28.16	6. 33,45→	27,777	26,637	26,799	10.2	
ලැයෙනුනු ඇ පොළසනයට 1)වියන් භාගයට ඉන්නේගෙ වියේ 2)ම සහ වියේ	C-12-De-12-Ad-04	kg/da rs3 r							60	.75

Table-1(4) Caluculation of Water Quality (BOD) at Padangan Bridge (1994)

	uculation of Water Q						<del>- 1-</del> 7		- 1 10 T	7.57
Unition had from applicant		Br. les	501			- 1		<u> </u>		, v
1.Water quiding of Series Tunk in pur (1969) 2.Water flow of Series Tunk ing un	දර දර	ests atta	79.5	1 9 27 6	4 8 73 7	16 7	119	2.7	39 453	
Dalladasine Road Scarce peterson	TO -COV CO	\$2.60	17.172	12,739	30.565	9,235	50%	2 930 12	.5-25	
म हिंदिरोहरू देखते (१८०१ क्ष्मार सम्बद्ध ८००१ और सर्वे क्षारी कृष्यार्थेन अर्थका	ru-<.∞.¢n	15 (2)	6.559	5 796	12.226	3 595	2,015	1,176	1.8751	1
Pollative lead from white-da		l Í				ļ	l	ļ	- 1	
Botherskie, waiter Watern - Ad Podletion koaf (Soft-Books 85/3)		1 1		- 1		1	- 1	- 1		
In Publishment and produced	a)	bg day	420	427	420	420	430	439		
i Posted rate Il Postera rate	त । ति दे		56	09	60	0.0	09	0.9	- 1	
8: Rumoff ruf-o	ob (all-dazd-24	•	0.54	0 31	0.81	0.51	0 1 1	68:	- 1	
5: Remot policies had A2 Policies had (Subbasis BS(4)	Steaturi	ودگ ښو	340	32	340	340]	340	340		
th Politation load produced	द हो।	14 42	1.834	1.014	t)td	us	1.114	LUS	l	
3) Flore out ratio 3) Flore drawn ratio	(2) (2)		6 5 6 1	0.5	9 H	9.1	0.5	0.5 0.1	- 1	
A; Run-off ratio	4 (44)(43-4)	•	0.05	0.65	0.05	065	0.05	895	1	
5: Run-off politicism had	00- sc + ra	eg duy	56	50	34	56]	34	56)		
AD Politicism lead (Sub-Pasin B.S. 5) By Politicism load pershive of	20	LZ day	624	430	4.74	426	476	470		
20 Firm and as in	64	1:1	0.7	0.7	0.7	0.7	9.7 9.3	0.3 0.3	Į.	
34 ನಿನೀಪ ಮೇಲಾ ಗಡೆಸಿ ಈ Runnall ಕಡೆಸಿ	6-2 3 (6-1 (6-2)		021	0.2	0.71	0.70	0.21	0.21		
Si Run pN gedution load	23-27 x r3	بردا ۽ ا	%	*-	*	90]	*	∞	ı	
As Pozetion had (Sub-base B.S.6)  1) Pull-free lead produced	>4	14.64	242	>-	82	2~2	292	292		
2) Flow and ratio	r4-1	1 - 1	0.3	0.5	6.8	0.8	0 H	6 5 0 7	ı	
36 Flow-விகுகா சமின் கே நிழக்களின்	r42 ratratusati	l i	0.7	0.7 0.36	0.76 0.56	0.56	0.56	0.56	- 1	
5 <sub>7</sub> Run-off politrian lead	24-14: r4	10.2.	164	154	164	164	164	164	- 1	
AS Politifien tead (Sub-basin BSCP) 11 Pullstion lead problem?	e.	Na day	48		48	434	48	-25		
In Flore and radio	15.1	1 - 1	0.0	29	0.9	0.9	09	09		
3) కొట్టు ఉర్యామిన ఈ కొలగాంగో గాసం	6-2 6-3 (6-1x6-2)	:	0 2 2	05	0.51	0.83	6 B t	0.3	Ì	
S) Ran-off publisher load	D5- x54 r3	ag doy	39	39	39	39	39	39	1	
A6 Polistics load (Sab-bails 55:0) 1) Polistics load produced	۵	رىك يە	847	847	847	847	\$42	14		
2- Flow-cast ratio	61	1	0.3	0.3	93	0.3	0.3	0.3	1	
Pa Flow down a cation to Rise off mails	6-2 6-3 (6-1×6-2)	-	0.03	0 0.5	9 0 5 0 0 4 5	0.015 6.015	0015	0.05 0.515		
5) Run off pollution had	06-a6c r6	ka day	13	13	(3	a	13	13		
A 7.Poliution food (50b-basin B 511) to Poliution knot go do nd	l <sub>s</sub>	t , day	2,126	2 126	2.126	2,126	2,125	2,126		
2) Flore and ratio	77-4	Į ·	0.5	0.5	اده	0.5	0.5	0.5	L	
3) Pion చేయిన గుపిం 4: కెలు లక్కో జనిత	77-2 (0-3 (27-1) (25-2)	1:1	0 2	0.2	Q Z 0.1	02	0 2	0.1	ı	
5: Rec-off politicist lead	D!= x*k x?	15 (25)	213	213	213	213	213	203	- 1	
AS Policion load (Sub-hain BS12)		1	3.561	3.66	3,661	3.56t	3.561	3.561		
() Pathilian kud produced 2) Fine dut naid	3.1	LE Coy	65	0.5	0.5	0.5	0.5	0.5	l l	
31 Flow-down refin	6-2 6-3 (6-15-5-2)	1 . 1	0.2	0.2	0 2	0 2	0 2 0 1	02	- !	
4) Ran-off mile 5) Ran-off pull-tion lead	06 - 37x d	15 317	300	3-2	306	364	366	366	1	
A9 Podution load (Sub basin B5).36	1.	رث وا	2.6	1.6	2%	136	236	236	- 1	
<ol> <li>Pořídka kod protuced</li> <li>Příva ou ratio</li> </ol>	10	1.3	0.8	0.6	0.5	0.8	0.5	0.8	- 1	
3) Flow down ratio	6-2	•	0.7	. 23	0.7	67	0.7	9.7	- 1	
4) Run-off ratio 3s Run-off pollution load	49-3 (19-34(9-2) (19- 29-19	440	0.56 132	9.56 1.72	0.56 132	0.5a 132	0.56 132	0.56) (32)	1	
A 10 Pallution load (Sub-basin \$514)	1	1 1		٠ا		2.240	110	1340		
1) Pathrine Tool produced 2: Flow-out calls	110	ag day	3,369 0.5	3.309	3,369	3.369	3.369 6.5	3.369	ŀ	
3) Fan diwa mio	119-2	1 - 1	0 2	0.7	0 2 0 1	0.2	0.2	0.2	1	
4) Record Casio 5) Record polletion lead	r10-3 (r30- Exc10-2) Dx0 210x rx0	15.65	0 1 331	0 I 337	337	337	337	337	- 1	
A (4 PoEurice lead (Sub-basin B5+5)	2 3	1	750	750	750	750	150	750	- 1	
t) Polision load produced 2: From out ratio	111-1	ig co	0.7	0.7	0.7	0.1	0.7	0.7	1	
3: Flow down ratio	113-2	$ \cdot $	0.6	0.6	0.6	0.6	0.6	96	i	
4) Rus-off ratio 5) Rus-off pollution lead	rit-3 (etil-turit-2) Dil matte ett	1,5 2.7	0 42 3:5	0 C	0 42 345	0 43 315	345	0 C) 315		
At 2 Total named pollution load from distressie was a water	De-Di Dii	iğ av	2.064		2,064	2,964	2.064	2,964		
R Industria waste water	1	i i	· '	}	li	1	- 1	- 1	- 1	
#1.Pallation load from major producers		11					_	1	- 1	
<ul> <li>1) Politicism load geoduced</li> <li>2) Flow-out ratio</li> </ul>	51 :01-1	ng day	۰	٥	0	0	0	9		
3) Firm down new	ri1-2	-		1			_			
4) Ren-off ಕಾರ್. 5) Ran-off ಕ್ರಾಟೀದರಿಗೆ ನಿಂದೆ	rii (rii-larti-t) H-bi arii	kg day	0	6		0	0		1	
B2 Pollution load from large and medium scale industries				l '	[ ]	Į.		l i	1	
1) Polision laid profited 2) Flow and raid	62 702-1	ig day	(,7)/4 08	0.5	0.5	1.754	1.794 0.8	1,794 0.8		
It for down ratio	a2-2	- 1	0.5	0.5	0.5	0.5	8.5	0.5		
4) Run-off ratio Si Run-off podetion load	#2 (#2-1x#2-2) {2-52; #2	- ومانود	7;8			0.4 7,8	0.4 716	0.4 7:6	- 1	
B3 Pallurion had from small to de industries			l "					1		
3) Pollution load produced 2) Flore-cod ratio	153 113-1	ig day	34			38: € 3	38-1 0 8	39: 05	- [	
3) Pose-down ratio	113-2		ية [	60	0.5	0.5	0.5	0.5		
4) මහදා හරි පත්ර වා මහදා හරි ඉන්නේ එක් වියේ	r13 (r13-1xr13-2) 13-63xr13	ig day	0.4 4.53			0.4 132	0.4 152	0.4		
2: Fun-off polision load  8 of Fund run-off polision lead from the arthretries	M-8:+72+13	ig day				370	870			
	1		l	1	1 I	l		<b>!</b>	ļ	
		- 1	l	1		ł			- 1	
	İ		بزرعها			10.714 10	49,114 0 1	67,114	- 1	
C.Agricultural pollution land C2 Palution load from Svenok 1) Palution load graduced	c2	ig do		, .			9.5	0.5	- 1	
C.Agricultural pollution land C2 Palution land from Svestok	-22-1 -22-3	hg do		\$ 0.	9 05	٤٥			1	
C.Agrisultural pollution tond C? Patufon load from Swetch 17 900, sign load graduerd 27 Flow one raid 39 Flow down taid 40 Blood flow of flow 60 Blood flow	:02-  :22-2 :22\::02-!:x:22-2>	1:	0.	S 0.	5 0.5 5 0.05	6.05	0.05		ı	
C.Agrisultumal polludion load C? Palution load from Secucio. 1) Palution load from Secucio. 2) Flore con maio 3) Flore down tailo 4) Rumolf failo 5) Rumolf failo 6) Rumolf failo	-22-1 -22-3	ig day	0 00 245	5 00 5 7.45	9 03 5 015 6 2456		0.05 7,456 2,456	2.456	ł	
C.A.grisultumal pollution tend C2 Patation load from Snestok () P.d. vice load greatured 2: Flow can mide 3: Flow and mide 6: Bland of said 6: Bland of said 5: Run-off pollution load C3 3 vid monotif pollution load from springhore	62-1 62-2 62-62-(x62-2) 62-61 x62	1:	0 00 245	5 00 5 7.45	9 03 5 015 6 2456	0.05 2,456	7,436	2.456		
C.A.p./subtural pollution tond C.P. Patulion load from Security 1) P.O. Circle load gradued 2) P.O. con mile 3) P.O. con mile 3) P.O. con mile 6) R. annotif mile 6) R. annotif mile C.P. surved from load C.P. Surved pollution load C.P. Surved pollution load from springly when D.O. Characters D.O. Chara	62-1 62-2 62-62-(x62-2) 62-61 x62	ig day	0 00 245	5 00 5 7.45	9 03 5 015 6 2456	0.05 2,456	7,436	2.456		
C.A.g./sadramia pollution tond  C.P. Patulion load from Security  1.P. P.O. Vice load gradue of  2.P. P.O. vice load gradue of  3.P. P.O. vice vice load  3.P. P.O. vice vice load  6.P. R. A. P.O. P.O. Vice load  C.S. P.O. Vice load  C.S. P.O. Vice load  D.O. Patulion load  D.O. Patulion load from spice who we  D.P. Patulion load from orders  D.P. Patulion load from orders  D.P. Patulion load produced	72-1 722-2 723-20-1572-25 52-61572 54-51-52	ig day	0 0 0 2 4 2 4 3 6,44	5 0: 5 00 6 745 6 245 0 36,44	9 03 5 005 6 2-456 6 2-456 0 36-440	0:05 2,456 2,456 36,440	7,456 2,456 36,46	2456 2456 36,440		
CAgrisultural pollution tend C7 Path for load from Section 1) Path for load graduard 2) Path for load graduard 2) Path for load graduard 4) Rand flatio 5) Rand flatio 5) Rand flation load C5 Total amount pollution load from systemin w 10 Path form load from short 1) Path form load from short 1) Path form load from short 2) Path form load from short 2) Path form load from short 2) Path form load from short 2) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 3) Path form load from short 4) Path form	62-1 62-3 62-0-1-1-0-25 52-0-1-0-25 54-51-52 31 61-1	ig day ig day	0 0 0 2 45 2,45 2,45	5 0.0 6 7.45 6 2.45 0 36.44	0 36.440	603 2,456 2,456 2,456 36,440 0.1	2.456 2.456 36.440 0.1	2,456 2,456 36,440 0.1		
CAgricultum gothelion load  C Pathfor load from Securit  1) P.D. Give hoad gradiend  2) P.D. Give hoad gradiend  3) P.G. down the load  3) P.G. down the load  6) Ramed faile  5) Ramed faile  C 3) and more of gothelion load  C 3) and more of gothelion load from spice where  D. Pathforn load from others  D. Pathforn load from others  D. Pathforn load from others  D. Pathforn load gradiend	72-1 722-2 723-20-1572-25 52-61572 54-51-52	kg day kg day	36,44 0 0	9: 00 6 7:45 6 2:45 0 36:44 1 0 0 5 0 0	0.3 0.05 0.245 6 2.456 0 36.446 0 36.446 0 35.5	0:05 2:456 2:456 36:440 0:1 0:5 0:95	2456 2456 36,46 01 05	2.456 2.456 36,440 0.1 0.5 0.05		
C.A.g./sactured publishes load  C.P. Patulion load from Security  1.P. P.O. Some load gradient  2.P. P.O. some raile  3.P. R.O. some raile  6. B. and Table  6. B. and Table  C.S. B. A. and Table  C.S. B. A. and Table  D. P. R. and Table  D. P. Raile and Table  D. Raile	01-1 02-2 03/00-1x(02-2) A2- d x 02 A4-A1-A2 01 1 01 1	ig day ig day	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9: 00 6 7:45 6 2:45 0 36:44 1 0 0 5 0 0	0.3 0.05 6 7.456 6 2.456 0 36.440 0 36.440 1 0 1 5 0.5	605 2,456 2,456 2,456 36,440 0.1	2456 2456 36.46 01	2.456 2.456 36,440 0.1 0.5 0.05		
C.A.g. instituted published hand (C.P. Pathofon load from Sevench (P. Pathofon load grantsend (P. Pathofon load grantsend (P. Pathofon load grantsend (P. Ramadi natio (P. Ramadi natio (P. Ramadi published load from agricultum (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Pathofon load from other (P. Ramadi natio (P. Ramadi n	72-1 72-1 72-10-14-72-2 73-10-14-72 73-73-72-2 73-1 73-1 73-1 73-1 74-14-14-14-13-13-13-13-13-13-13-13-13-13-13-13-13-	12 day 12 day 12 day	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	9: 00 6 7:45 6 2:45 0 36:44 1 0 0 5 0 0	0.3 0.05 0.245 6 2.456 0 36.446 0 36.446 0 35.5	0:05 2:456 2:456 36:440 0:1 0:5 0:95	2456 2456 36,46 01 05	2.456 2.456 36,440 0.1 0.5 0.05		
C.A.g. is in the problem of the C. P. Patrice has from Section 19.00. Con heat gradient 19.00. Con heat gradient 19.00. Con heat gradient 19.00. Con 19.00	72-1 72-1 72-10-14-72-2 73-10-14-72 73-73-72-2 73-1 73-1 73-1 73-1 74-14-14-14-13-13-13-13-13-13-13-13-13-13-13-13-13-	हेड़ देश हेड़ देश हेड़ देश हेड़ देश	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 36,44 0 36,44 0 36,44 0 0.9 1 0.9 1 0.9 1 0.9	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	005 2,456 2,456 36,440 0.1 0.5 0.05 4,822	2,456 2,456 36,440 01 03 005 1,52	2.456 2.456 36,460 0.1 5 0.5 5 0.05 2 1,322		
C.A.gricultumal publishes load  C.P. Palation load from Section  1.P.D.O. Gen load gradiend  2.P. Pow our mile  3.P. Pow down that in  6.P. R. And Fault  5.P. R. And Fault  6.P. R. And Fault  C.S. Touthers off pollution load  C.S. Touthers off pollution load from spin who we  D. Palation load from when  1.P. Palation load from when  2.P. Pow our mile  4.P. R. And Fault  5.P. R. And Fault  5.P. R. And Fault  4.P. R. And Fault  11. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at control point  E. Water quality at the control point  E. Water quality	72-1 72-1 72-10-14-72-2 73-10-14-72 73-73-72-2 73-1 73-1 73-1 73-1 74-14-14-14-13-13-13-13-13-13-13-13-13-13-13-13-13-	12 day 12 day 12 day	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 36,44 0 36,44 0 36,44 0 0.9 1 0.9 1 0.9 1 0.9	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0:05 2:456 2:456 36:440 0:1 0:5 0:95	2456 2456 36,46 01 05	2.456 2.456 36,460 0.1 5 0.5 5 0.05 2 1,322	<b>5</b> 0	
C.A.g. is in the problem of the C. P. Patrice has from Section 19.00. Con heat gradient 19.00. Con heat gradient 19.00. Con heat gradient 19.00. Con 19.00	72-1 72-1 72-10-14-72-2 73-10-14-72 73-73-72-2 73-1 73-1 73-1 73-1 74-14-14-14-13-13-13-13-13-13-13-13-13-13-13-13-13-	1g (3.) 1g (4.) 1g (4.) 1g (4.)	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5 0.0 0.5 0.5	0 36 440 0 36 440 0 36 440 1 01 5 05 5 05 5 1 1822	005 2,456 2,456 36,440 0.1 0.5 0.05 4,822	2,456 2,456 36,440 01 03 005 1,52	7.456 2.456 36,460 0.1 5 0.5 5 0.05 1,322 0 7.6 7 8,367	50 12.39; 46.5	

Table-1/S) Caloculation of Water Quality (EOD) at Canggo Tambangan (1954)

fire.	r · · · · · · · · · · · · · · · · · · ·	075'61	J.r.	1	A . E .	- <u></u> 1		Sec. I	Ave. Da	75-13-1	1
Politicion had from updream	<del></del>	425							) 		1
If Water quality of Packing in (PiC)	0	mel	6.6	4.3	4.3	(0.5)	2.9	7.6	!		ļ
2/Witter Blow of Pattingsa	(cc	0.3 1	67.4	620	40	42.4	343	34.8			ŀ
3 Politation food from upstrum	1.0° -C0° (C0	\$2.4.y	35.5×3	30,736	14.851	36 %12	9,593	22 551		1	ĺ
4;Pathotica lead from upore ex charite कर्ने आंति-इस अस्ति आर	(15-codo	*54.	5,337	3110	2.25	5 825	1,455	3,425		1	П
L Pollution keed from soft-beside										i	ļ
Libonedic wade water		1	ļ							1	1
ALP Alution lead (Selection B519)			i		1			í !		1	П
1) Politicion lead produced	at	KS C.V	144	1 27	144	114	144	144	i		-
2) Flow-out ratio	19-1	•	G.9	0.9	64	0.9	9.0				П
3) Flow down ratio	r1-2	- 1	0.4	Ð 4	0.1 0.76	0.4	0.36		1		1
s) Rua off cara	ri (ri-tv:1-2)	l. : í	0.36	0.36 50	0,0	0_6 53	92 52		Ĭ		1
Si Rua off polision ford	Di-attel	Na đuy	52	~	i ''i		^		Ì	1	- 1
A2 Politative lead (Sub-haria Bo20) 1) Politative lead produced	1,2	150	133	933	100	133	1,33	133	ļ	1	-1
2) Florida in the person of a	101		0.9	0.9		0.9	0.0		ł		1
3) Fire days ratio	r3-3	. <b> </b>	0.4	0 *	0.4	0.4	0.1			ı	- 1
4) Pur off raio	r2 (c) 14/2 27	! - <b>i</b>	0.36	0.36	0.24	0.36	0.%			ĺ	- {
5) Run-off pollurios loud	D2- x2 x r2	kg day	45	45	48	4%	45			1	- 1
A) Total narrost pollotion load from democrate waste water	D6-01+D2	1840	100	100	120	100	100	100	1		- 1
B. Industrie werde weter		1 1			1 1		l		ţ	i	l
B. Politica ind from major produces	1	! I					l		ł	1	- {
1) Politicion tead produced	ы	ويدون	20 279	20.279		20.27V	39 279			1	- 1
2) Flow-out catio	ritti	1 - 1	0.9	0.9		09				!	- 1
3) Flow down ratio	ds:	-	0.2	0.4		0.4				ì	- 1
4) Run-off ratio	di (di-beli-b	- 1	0.36	0.36		0.36				1	- 1
5) Run-off pollution load	41-54 s ct l	ران م الله	7.301	7.30	3,301	7.00	7,301	7,301	<b>'</b> }		- 1
B2 Pullstice lend from targe and medium scale industries	i	1 i		j	.]	١,,	37	2 37	.i		-1
() Polluina lood produced	52	13 Car	37	37 61		37				ļ	- 1
2) Flow-out ratio	r12-1 c12-3	1 : 1	0.9			0 1				}	- 1
3) Flow-down ratio	r12 (r12-1xr12-2)		036			عده ا			Į.	1	- 1
4) Rus-off calls 5) Rus-off pellation lead	12-80:02	≱g day	13			5			3		- 1
B3 Pollution load from small scale industries	1				1		ļ	Į.			- 1
D) Pullation load produced	ьз	kg day			8 3	1 1	4 1	8 1	k		- 1
2) Flow-out ratio	03-1		0.9	0.	9 3.9	1 04	6.5	O.1	٧	1	- 1
3) Flow-down rario	n3-2		6.4							i	- 1
4) Rus-off raio	(13 (713 1x:13 7)	1 .	0,146		6 036	0.34			6]	1	Į
5) Rus-off p-flution to ±±	(3-83art)	k g day	3		3	1	1	3] 5 7,33	3	1	- 1
Batteral num-off pollection freed from the industries	R-11-12-0	kg cay	1,339	ובר	9 7339	1,33	737	133	Ί		
€.Agricoburet pollution land		1		1	1	1			1	1	
Ct Polytice load from fields	1	1				l	l		1	1	ļ
t) Polision knd produced	ci 	kg day	ì		1		1	1			1
2) Flow-out ratio 3) Flow-down ratio	₹21-1 421-2	1:	i	l	1	ŧ.	ĺ	ľ		1	
4) Run-off szio	G1 (G1-tar21-2)		l	i i	1	I			Į	1	
5) Rug off pellution lead	A1-clarCt	kg đuy	1	1	1	I	l	1	i i		
C2 Pulurion load from livestok	1	1	l	l		J		22 (02			
1) Fallstion load produced	¢2	kg duj	1,02								
2) Flow-out ratio	723-1 723-2		0						.]	1	
3) Flow-down tallo 4) Rus-off rails	(22-1 (22)(22-14(22-2)		00							1	
5) Run-off polition load	A2- r1 x r27	1644			4				15]		ı
C3. Total reg off pediation lead from agriculture	Ad-A1-A2	ks da			i i		6] -4	4 4	u!		-
			i	1		1			L	l	- 1
D.Drivet soutes	į.	ĺ		1	1	1	1	1	Í	}	
Di Politico lead from others s) Politico luad produced	di	1 44	دن ا	5 43	دو اي	5 43:	25 4.30			1	
2) Flow out ratio	31-1	1	0		0.			sal a	1.1	1	
3) Flow down callo	r3t-2	1 -	Đ.		1.4 G	4 0			). <b>2</b>	- 1	
4) Ruo-off ratio	(3) ((3)-34(3)-2)	1 -	0.0							ļ	
S) Rue-off pollution load	Od- d1 x r3t	i, i	y 13	3 4	73 17	3 37	73] 1	33) II	75	1	
L	1	1			1	1	1	1	1		
	1	1	1		1	l l	1	1	1		
1D. Water quality of control point  F. Water quality monitored						of 40	ا اد	5.2 <b>1</b> 4	L9]	5.2	5 2
E-Water quality monitored		கூழி	3	.4] 4	LO 3	3[ 10		**  .	~~1		
E-Water quality monitored 1)1994 2)Average(1992-1996)		252	3	1	(A)	3 ,,		`   `	1	7	
E. Water quality monitored 1) 1994 2) A-erage (1992-1995) 3) Median (1992-1996)		12cm	3		1.0	,,,		<u>`</u>			
E-Water quality modifiered  1)994  2)A-empt(1992-1995)  3)Median(1992-1995)  5)Median(1992-1996)  F-Result of online form											
E-Water quality monitored \$) 994 2)A-verage(1992-1995) 3)Median(1992-1996)	L-LD-D8-16-Ad-O8 Q		12.99	00 19.7		g 13.€	77 9,1	137 11.0	80 H.		

T

Table 1(5) Caluculation of Water Quality (BOD) at Karangpilang (1994)

Politician had from up Gream	{	drules .		l		1		1	Post 2	212
1/Water questing of Canzgo Frenchungus (1000)	ര	m s T	3.4	2.9	33	10.6	5.2	4.9		- i
2)Ware flow of Conggo Condung in 3,Pulletion lead from upon wa	[π-€€100   00	mile kada	24.6 7.226	29.5 73√2	21.5 6 130	22.0 30.330	25 0 (1,2)3	21 2 8.975		
at the properties and a true properties of a special control of the		1330	1.0%1	1.104	936	3,050	1.685	13.16	-	
Fulfiction lead from sub-havin		ļ	İ	-	- 1			1	1	
Dunestie waste water		1	ľ		i					i
A ) Pollution load (Sub-basin B521)  D Palluting load professed	al	زنگ ټا	289	24%	289	269	246	289		
Z) Flow out raio	rl-k	· 1	6.9	G.9	6.0	0.9	0.9	G.9		
Jaffier de-taction	rt-2	٠	0.18	0.2	0.18]	0.2 0.18	0.18	0.13	- 1	- 1
4) Rum off ratio 5) Rum off pollution tool	rt (cl-) (r1-2) Di= at # r1	ka day	52	52	52	\$2	52	52		- 1
A2 Pullisting Incid (505-busin 8022)		7-7		- 1			ì			ł
By Politarine brad produced	a7.	k, d.s	9.	920	V2V	924	924	626	- l	
2) Flow partners	61 63		0.9	0.9	0.0	G 9 G 3	03	0.9 0.3	- 1	Į
3) Pow does note 4) Rus off ratio	a(a-(va-2)	<u> </u>	0.27	0.27	0 27	0.27	0.27	0 27	i	1
5) Russ off polystica load	60-2012	Re day	251	251	251	251	25	251		
A3.Pulhitica Inch (Sub-haria B623)	s ·		374	374	374	374	374	374		
1) Politrica load produ සේ 2) වියාද සහ සේක	01	L <sub>2</sub> ∜ay	0.9	0.0	0.9	0.0	0.9	0.0		
3) Plow-down ratio	o-:		0.5	0.5	0.5	0.5	0.5	0.5]	1	
4) Pun-off rules	∂ (r3-1x/3-2)		0.45	0.45	0.45	0.45	0.45	0.45		ì
5) Run of policies load	03-43-63	à c day	105	168	168	168	168	168		
A4.Pullution lead (Sub-hour B624)  1) Pollution lead produced	34.	4 g Cay	145	149	148	148	144	143		
2) Flow-out care	:41	*.	0.6	9.6	6.5	8-6	26	0.5	l l	
3) Flow down ratio	:47	l • l	0.2	0.2	0.2	0.2	0.2	0.2	- 1	- 1
4) Russoff ratio	14 (c4 14c4 2) D4= 244 (4	kg day	D 12	0 (2)	0.12	6.42	0 12	0 (2)		1
5) Rug-off politica load A3-Politica load (Sub-ba-a B500)		1 1		- !		- [				
3) Pollution load produced	15	kg duy	958	938	958	951	958	95%	- 1	
2) Flow out rails	61	•	0.5	0.5	0.5 0.2	0.5 0.2	0.5	0.5 0.2	Ī	
ਤੋਂ) ਸੋਦਮ ਹੋਰਮਾਡ ਦਸੰਦ 4) Rus-off calle	63(6-165-2)	l : l	0.1	0.1	0.1	0.1	61	0.1	1	
54 Run-off pollution load	DS-254 B	a day	96	96	96	96	96	96		
Ad Follotice lead (Sub-Suria 8631)	1.	l l				i			l	
1) Publishe load produced		10,325	148 0.7	0.7	1-46 9.7	(42) 0.7	1-48 0.7	0.3	•	
2) Row-ou exio 3) Row-do-a acio	4-3	:	0.3	0.3	0.3	0.3	0.3	0.3	Ì	
4) Run-off ratio	de 3 (re-11 re-2)	1 - 1	921	0.21	021	0.21	0.21	0.21		
3) Rusuall pollution lead	D6- aés di	kg day	31	31	31	21	3;	31		
A7 Pullistica lead (Sub-hasia BSN2)	۱,,	15:30)	485	685	485	485	485	-85	l l	
Poliution load producted     Poliution load producted     Polium out ratio	0.1	1	0.8	0.8	0.8	0.8	0.5	0.3	- 1	
3) Flow down ratio	17-2	1 · 1	0.3	0.3	0.3	0.3	0.3	0.3		
4) Recoff ratio	(A-3 (c3-1x:7-2)	Le ca	0.24 116	0.24 116	0.24 116	024] 310]	0.24	0.34		
<ol> <li>Run-off pollution load ART of nur-off pollution load from dours in white was t</li> </ol>	00- a1a i? 00-0007	1.1	732	732	732	233	733	732	- 1	
	1	1 1	1			i	- 1	- 1	- 1	
B.Industria weste water BI.Pollution load from major producers		1 1		i	1	l		1	1	
1) Pollution had produced	<b>b</b> 1	kg Zay	5/8 05⊀	98,054	98.054	450.86	98.054	95.054		
2) Bow-out ratio	711-1	1	0.8	0.8	8.9	0.8	0.8	0.8		
3) Row-dows mile	r11-2 r11G(1-Ter(1-1)	] [ ]	0.25	0.25 0.2	0.25	0.25	0.25	0.25 0.2	- 1	
4) Rus-off ratio 5) Rus-off polistics load	11-bi s #11	Restay	19.513	19,611	19.521	19.611	19,611	19.611	1	
B2 Pollution food from large and medium scale industries			l I		1	- 1	- }			
1) Pollution food produced	82 c12-1	( trda)	9,440 0.7	9,840 0.7	9,640	9,440	9,4-0	9,440		
2) Flow dull radio 3) Flow down salio	612-2	1:1	0.5	0.25	0.25	0.25	0.25	0.25	- 1	
e) Run-off calio	c(2 (d)2-(u)13-2)	-	0.18	0.18	0.18	0 15	0 18	0.18	•	
5) Rep-off politrice load	13-52s c12	R <sub>2</sub> -Coy	1,652	1.652	1.632	1 652	L652	1,652	- 1	
B3 Pullution load from small scale industries	l <sub>io</sub>	t g day	1,104	1.194	1.964	1,104	1 104	1,104		
Foliation load produced     Preserves pain	103-1	1.00	0.7	0.7	0.7	0.7	0.3	<b>D</b> .7	- 1	
3) Fire down suit	rt3-2		025	0.25	0.25	0.25	0.25	0.25	- ;	
4) Rus-off ratio	ri3 (ci3-(uri3-2)	1	0.12	0 18		[81.0 ]E91	81.0 E#1	0.13 293	i	
5) Run-off pull trian lead 84.Total non-off poll-trian hour from the industries	13-63 crt3 36-11-12-13	kg day kg day				21,456	21,456	21.456		
1		' '	1 1	1			1	l l	ŀ	
C.Agricultural pollution load C) Polution load from fields	1				l 1	ŀ			- 1	
1) Pallution load produced	ct	رمادية	,					1	1	
2) Flow-out maio	121-2	1	•	ţ	l I	1	i		I	
3) Flow-down mile 4) Run-off ratio	(21-2 (21-2)(21-2)(21-2)	:	1 1	1	1!				I	
	Al-chict	Reide	,		1 1	l	.		ı	i
5) Run-off pollution load		ودادرها	6,934	6,934	6,934	6,934	6,934	6,934	- 1	
5) Rup-off pollution load C2 Publica load from livestok	1		0.05		<b>0</b> .05	0.05	0.05	0.05		
5) Rus-off pollution load C2 Publica load from livestok () Pollution load graduand	e2 r22-1	, °, °				0.2	0.2	<b>Q</b> .2	ļ	ļ
5) Rup-off pollution load C2 Publica load from livestok	102-1 102-2		8.2							Ł
9) Run-off politica load CP Publica load from livestek () Politica load from livestek 2) Flow-out ratio 3) Flow-dut-on rivio 4) Run-off ratio 4) Run-off ratio	02-4 02-2 03(02-(1/22-2)	1:	0.01	0.00	6.01	0.01	0.01	0.01	1	
5) Russoff pollution lead CF Platinic load from livertick () Pollution load produced 2) Pollution load produced 3) Place down ratio 4) Russoff ratio 5) Russoff ratio	102-1 102-2	agida;	(A) (6)	0.01	69		0:01 69 63	65 0.01	Ì	
5) Russ of pollution lead CP Palation for the truth () Palation lead productd 2) Rose out ratio 3) Plane down ratio 4) Russ of ratio 5) Russ of ratio CR Tails CR Tails on the truth ration of the truth ratio	102-1 102-2 102(02-(k/22-2) A2- c1 x /22	1:	(A) (6)	0.01	69	0 01 69	60	69		
3) Rea-off pollution load CF Patients and from bistock (1) Pollution load produced 2) Flow out catio 3) Flow does notic 4) Rose off ratio 5) Rose off ratio (2) Rose off pollution load CS Total not off pollution load from agriculture D. Other sources	102-1 102-2 102(02-(k/22-2) A2- c1 x /22	agida;	(A) (6)	0.01	69	0 01 69	60	69	İ	
S) Ross off pollution lead C? Published from liverse () Published from liverse () Published had produced 3) Flow down ratio () Ross off ratio () Ross off ratio () Ross off pollution had C3 Tual rays off production from agriculture D. Other manure Of Published from others  Of Published from others	102-1 102-2 102(02-(k/22-2) A2- c1 x /22	agida Egida	(0.01 ): 69 9: 69	0.08 65 65	69 69	0 01 69 69	60	69		
3) Run off pollution leaf C Platition lost from liverick () Pathician lost productd 2) Row out ratio 3) Flow down ratio 4) Run off pollution lost 5) Run off pollution lost from agravation C Tradi run off pollution lost from agravation D Other severs () Pollution lost from others () Pollution lost from others () Pollution lost productd 7) Flow out ratio	(22-4 (22-2 (23-22-1)-(22-2) A2-(1)-(22-2) A3-(1)-(32-2 A4-A1-A2 41 (32-1	agida agida agida	0.01 9 69 9 69 9 10.358 0.05	0.01 65 65 10.351 0.05	6.01 69 69 10.358	69 69 69 60 60	60 69 10.358 0.05	69 62 62 6358 0.05		
3) Run off pollution lead C Platinion for the treate () Patterion from treate () Patterion lead product () Platinion lead product () Run off ratio () Run off ratio () Run off pollution lead () Run off pollution lead from agriculture  D Other sweers () Pollution lead from others () Pollution lead from others () Pollution lead from others () Pollution lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion lead product () Platinion () Platinion lead product () Platinion ()	(224 (222 (2322) (4222-2) A2+ (14-72 A5-A1+A2 d1 (32-1) (31-2)	agida Egida	0.01 69 69 69 10.338 0.05	0.01 65 65 10.051 0.05	6.01 69 69 10.358 5 0.05 2 0.2	601 69 69 10,358 0,05 0,2	60 69 30,358 0.05 0.2	69 67 18,358 0.05 0.2		
5) Run off pollution lead C2 Patrice load from liverick () Patrice load produced 2) Row out cario 3) Rive down ratio 4) Run off gathetic load C3 Run off pollution load C3 Run off pollution load C3 Run off pollution load from agravation D Other aware () Patrice load produced 2) Rive out ratio 3) Flow down actio 4) Riverior load (4) Riverior from (5) Report frain (6) Riverior frain (7) Report frain (7) Report frain (8) Report frain (9) Report frain	(22-4 (22-2 (23-22-1)-(22-2) A2-(1)-(22-2) A3-(1)-(32-2 A4-A1-A2 41 (32-1	ag da ag da ag da	0.01 69 69 10.358 0.05 0.25	0.01 65 65 10,351 0.0 0.0 0.0	691 69 69 10358 5 005 2 02 1 001	601 69 69 10,358 0,05 0,2 631	60 69 10.358 0.05	09 62 16,358 0.05 0.2 0.01		
S) Rea-off politions lead C? Pallation load from live tele () Pollation load produced 2) Flow out catio d) Rea-off ratio d) Rea-off ratio d) Rea-off ratio G) Rea-off politions lead C3 Tauli nes-off politions lead from agriculture D) Cherr awars D) Polition load produced () Polition load produced () Polition load produced () Polition load produced () Flow out ratio () Rea-off politions lead () Rea-off politions lead () Rea-off politions lead () Rea-off politions lead	(224 (222 (2322-14/22-2) A2- c1 x /22 A4- A1 x A2 (41 (321-1 (322-1) (322-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1)	agida agida agida	0.01 69 69 10.358 0.05 0.25	0.01 65 65 60 10.051 0.0 0.0	691 69 69 10358 5 005 2 02 1 001	601 69 69 10,358 0,05 0,2 631	90- 69- 10-352 0-05- 0-21- 0-01-	99 62 16,358 0.05 0.2 0.01		
S) Ren-off pollution lead C? Published from livetick () Published from livetick () Published had produced 2) Row-out calco 3) Flow down ratio 4) Row-off ratio 5) Row-off pollution had C3 Tauli ren-off pollution had (c3 Tauli ren-off pollution lead from agriculture  D Other maters () Pollution lead from others () Pollution lead produced 2) Place down ratio 4) Row-off ratio 5) Row-off pollution had  III. Water quality at control polini  III. Water quality at control polini    C Policy   Control   Control   C Policy   Control   Control   C Policy   Control   Control   C Policy   Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C Control   C Policy   C C C C C C C C C C C C C C C C C C	(224 (222 (2322-14/22-2) A2- c1 x /22 A4- A1 x A2 (41 (321-1 (322-1) (322-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1)	ag da ag da ag da	0.01 69 69 10.358 0.05 0.25	0.01 65 65 60 10.051 0.0 0.0	691 69 69 10358 5 005 2 02 1 001	601 69 69 10,358 0,05 0,2 631	90- 69- 10-352 0-05- 0-21- 0-01-	99 62 16,358 0.05 0.2 0.01		
9) Run-off pollution load CP Bullion load from liverick () Pallution load produced 2) Flow out catio 3) Flow of man rain 4) Run-off rain 5) Run-off rain (CB Taid run-off pollution load CB Taid run-off pollution load from agravition D Other sensors 0) Pollution load produced 1) Flow out rain 3) Flow down tailo 4) Run-off rain 5) Run-off pollution load HI. Water quality at control point EW-ster quality at control point EW-ster quality mensioned	(224 (222 (2322-14/22-2) A2- c1 x /22 A4- A1 x A2 (41 (321-1 (322-1) (322-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1) (323-1)	agida agida agida agida	0.01 69 69 69 69 60.358 0.05 0.25 0.04	0.01 65 65 10.351 0.01 0.01 0.01	601 69 69 10358 5 005 2 0.2 1 001 4 104	001 89 89 10,358 0,05 0,2 6,31 16:	90-35% 0-05 0-25 0-05 0-05	69 69 10,358 0.25 0.21 104	113	14
S) Roard goldsteeled C? Published from livetek () Published host produced 2) Power out ratio 3) Flow down ratio 4) Roard ratio () Roard ratio 6) Roard goldsteeled () Tudy one off production had () Tudy one off production had from agriculture  D. Other masors () Published had from others () Published had produced 7) Flow out ratio 3) Flow down tails () Ratioff ratio 5) Roard goldsteeled () Ratioff ratio 1) Ratioff ratio 2) Ratioff ratio 3) Ratioff ratio 4) Ratioff ratio 4) Ratioff ratio 4) Ratioff ratio 4) Ratioff ratio 4) Ratioff ratio 4) Ratioff ratio 5) Ratioff ratio 6) Ratioff ratio 7) Ratioff ratio 8) Ratioff ratio 8) Ratioff ratio 8) Ratioff ratio 8) Ratioff ratio 8) Ratioff ratio 8) Rati	(224 (222 (2322-1)(2222) A2- c1 x (22 A4- A1 x A2 (41 (321) (321) (322) (31((311)(6322))	ag da ag da ag da	0.01 69 69 69 69 60.358 0.05 0.25 0.04	0.01 65 65 10.351 0.01 0.01 0.01	601 69 69 10358 5 005 2 0.2 1 001 4 104	001 89 89 10,358 0,05 0,2 6,31 16:	90-35% 0-05 0-25 0-05 0-05	69 69 10,358 0.25 0.21 104	113	14
3) Rossoff pollution load CP Pathics both from the tech () Pathics both growth at 2) Flow down role 4) Rossoff ratio 5) Flow down role 4) Rossoff ratio () Rossoff ratio 5) Rossoff pollution had CE Tail rossoff pollution had (control to the force agrantion D Other source () Pollution load from others () Pollution load produced 7) Flow out ratio () Flow down main 4) Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution had () Rossoff pollution () Rossoff p	(224 (222 (2322-1)(2222) A2- c1 x (22 A4- A1 x A2 (41 (321) (321) (322) (31((311)(6322))	agida agida agida agida	0.01 69 69 69 69 60.358 0.05 0.25 0.04	0.01 65 65 10.351 0.01 0.01 0.01	601 69 69 10358 5 005 2 0.2 1 001 4 104	001 89 89 10,358 0,05 0,2 6,31 16:	90-35% 0-05 0-25 0-05 0-05	69 69 10,358 0.25 0.21 104	113	14
3) Rossoff pollution lead CP Pathics book produced () Pathics book produced 3) Flow out catio 3) Flow out catio 4) Rossoff ratio () Rossoff ratio () Rossoff ratio () Rossoff pollution had (CT Tathics of pollution had (CT Tathics of pollution had (CT Tathics of pollution had (CT Tathics of pollution had (CT Tathics of pollution had (CT Tathics of pollution had () Pathics of load produced () Place out ratio () Flow out rati	(224 (222 (2322-1)(2222) A2- c1 x (22 A4- A1 x A2 (41 (321) (321) (322) (31((311)(6322))	ag da ag da ag da ag da	0.01 69 69 69 10.358 0.05 0.25 0.00 0.00 10.4	0.01 65 65 0.0351 0.03 0.0 0.0 10.0	6.01 69 69 8 10.358 5 0.05 2 0.25 1 0.01 1 0.04	0 01 69 69 20.358 0.05 0.2 6.01 10=	90.358 9.035 0.05 0.01 10-4	09 67 00,358 0.05 0.01 104	113	

Table 1:8) Catuculation of Water Quality (800) at Neacel (1994)

Life   Life	Table 1(6) Ca	duculation of Water <b>C</b>	outly.	(BOD) at	Ngageli	(1994)						
	Fic ms	11	un_ka	Ju. I	_&I	Aze	50	(A).	_8.y_[3	v. Day	15 . V.s.	1
Description of Name (1997)   1997	Pullusion land from up-ascara	l 1	1		- 1		ł			- 1		ì
	1)Wister quality of Kamergolius (1045)											į
### ### ### ### ### ### ### ### ### ##							23,050	12.6%	19,315	ļ		ı
Alberton as an extent   Alberton   Alberto	appointment and from upone on considered self-purification	gra-cordo	1 g d 2)	3,724	2 (0.0)	3,072	3.593	184	2 107			
All Parties and (Sch Sun Besch)   15   15   15   15   15   15   15   1	1. Pollution bud from sub-turin		1	1		ĺ			i l	ĺ		ļ
1) Full first had proched												ı
11		31	kg day	835	\$35	£15	835	6.15	235	l		ı
All Food Parties   16 (1 50 + 2)   1	2) Flow out ratio		i *. 'I							- 1	!	ı
Size of Special Color											1	ļ
13   15   15   15   15   15   15   15			أملونا								l	ì
1   1   2   2   2   2   2   2   2   2		1	il				i		1 1		1	ı
23   10   24   25   25   25   25   25   25   25	() Pollutico load produced		جت و ا							1	ļ	ı
4   1   1   2   2   2   2   2   2   2   2			:							- 1	ĺ	ı
3) Part off performed   32   32   33   33   35   35   35   35			I . I								İ	l
1) Fallulina band products   12   150   160			ty day	35	35	35	35	35	35		İ	ı
3-14		1.	اسا				100	. 020	احمدا		İ	ı
1) No. date note   0.2			1.5.0.3								•	ı
0 Star off acco   0 (2,6 1x2-2)   0.21   0.2	3) Flow down notice	0-3	.		0.3	6.3	0.3				i	ı
All Public Seed Seed   10   10   10   10   10   10   10   1	4) Run off ratio	Ø (Ø-10:3-2)	J I								í	t
1) Particular tend groubsed   54   15,00   10,00   1		0:- 7,143	Kg day	216	716	25.6	210	216	216		ı	1
13   15   15   15   15   15   15   15		M	Le day	4,908	4,308	4,80%	4,908	4,508	1.03		l	1
3) Flow domination   42		(4.1		0.9	0.9	119	€.9	0.9	0.9		ı	1
3   State of Forbitish hold   Section   Sect	D) Flow down ratio	14?	-					0.4	.04		1	1
A Facilities land (Subbana Basks)  1) Particles to the produced  2) Previous testing produced  3) Previous testing  3) Previous testing  4) Particles to the produced  4) Recodification  5) Previous Particles to the produced  4) Recodification  5) Previous Particles to the produced  A Track mostly performed to the produced to the previous testing produces  B Facilities have from analysis produces  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced  2) Previous from performed  1) Particles to the produced to the performed performed to the performed performed to the performed											1	ł
3 \$ \$\frac{1}{2}\$ \frac{1}{2}\$		Date and the	1.5.00	1	1		•	""	1			t
13   17   17   17   17   17   17   17			رڪوء									1
Sharoff ratio   Spinor flowing between the state of the			•								1	1
Second published shad   Ab Tark of an electric water water   De-D1-02-03-0-4-D3   3,442   3,442   3,443   3,744   3,			Ĭ								1	1
### A Tark in ord if pedicates local from sciencials as some water  #### B Industrials waster water  1) Publiciate local from major produces  1) Publiciate local from from major produces  1) Publiciate local from from major produces  1) Publiciate local from from major produces  2) Pibro control  3) Pibro down major  4) Pibro off froid  5) Rise off produces local  1) Publiciate local from from major produces  1) Publiciate local from from major produces  2) Pibro off froid  3) Pibro off froid  3) Pibro off froid  3) Pibro off froid  3) Pibro off froid  4) Pibro off froid  5) Pibro off froid  5) Pibro off froid  5) Pibro off froid  5) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibro off froid  6) Pibr		D5-254 IS	t giday	1,453	1.452	1.462	1.462	L463	2 1.462			1
Part   Part		Dd-D1+03+D3+D4+D1	بدائج لالا	3.744	3.74	3,244	3,744	3,74-	4 3,744	i.		ł
ElPSCarline load from analys produces   1)   April 10	R Instruction and water			ł		1	ļ	i	l	i	i .	1
1) Pulsation load produced   51   162   163   163   164	Bt Podution load from major producers		1	i	1	1	Ì		١. I	l	į.	1
11-2   0.4   0.4   0.4   0.4   0.4   0.4   0.4   0.4   0.4   0.5	1) Pollutice lead produced		ye gay	4.94						ı	1	1
4) Bronell Factor (Pachina Incal) 5) Bronell Factor (Pachina Incal) 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration lead from large and medium scale intentions 13-2-Ration large and medium large and medium large and										ļ		1
Silvanorif petherias had   Barbarian had be indentified   Pathaton had produced   17-51   17				0.34					6 036	1		ŀ
1) Published food produced   57   \$2   \$2   \$3.59			k g dan	1,75	1.78	1.781	8,781	1.78	1.781	Į.		1
2) Filter-contrain		l.,	N-981	}				ي، ا		l	Į.	-
3) Flow down ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 6) Run off ratio 7) Run off ratio Run off ration Run off rat										İ	ļ .	-
1.63%   1.63		rt2-2	1 -							í	1	- 1
S3   Publicion lead from straft state indicators   S3   lag day   1,032   1,										i	1	ŀ
1) Fulfilities load proclaced   33		E-52(1)2	*# 333	ິ ເລ	1,631	1 103	1.000	1.60	1 130	İ	1	١
2) Flow out ratio   (1)-1		53	kg du	1.03	2 1,031	1,030	1.033	1.03		İ	1	1
13 (13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2) Flow-out ratio		١ -	ţ o.						i	1	١
Security politicise local   California   C			1 -								ł	١
Extract run off pollution to define the industries   12-11 + 12-13   Egisty   3,708			tree-								1	١
C Polition Red from fields  1 Politions Red produced  2 Place out ratio  3 Place during field  5 Run off ratio  6 Run off ratio  6 Run off ratio  7 Run off ratio  6 Run off ratio  7 Run off ratio  8 Run off ratio  8 Run off ratio  8 Run off ratio  8 Run off ratio  8 Run off ratio  9 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10 Run off ratio  10					8 3.70	8 <b>3,7</b> 0	3,764	s 3,76	s 3.70%		1	
C1 Polition lead from fields  1) Polition lead produced  2) Flow out ratio  3) Flow down ratio  6) Run off ratio  5) Run off polition lead  C2 Polition lead from firsted  1) Polition lead from firsted  1) Polition lead from firsted  1) Polition lead from firsted  1) Polition lead from firsted  1) Polition lead from spring  1) Polition lead from spring  1) Polition lead from spring  1) Polition lead from spring  1) Polition lead from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from spring  2) Political from first from spring  2) Political from first from spring  2) Political from first from first from first from first from first from first from first from first from first from first from first	f Arricultural collection land				ì			1			1	
2) Flow out ratio 3) Flow down ratio 4) Run off ratio 5) Run off pollution load C1-2 (2) (2) (2) (2) (2) 1) Follution load from tirestok 1) Follution load from tirestok 2) Flow-out ratio 3) Flow-down ratio 4) Run off ratio 60 C2 1) Follution load from tirestok 1) Follution load from tirestok 1) Follution load from tirestok 1) Follution load from tirestok 1) Follution load 1) Flow-down ratio 2) C2 1) Flow-out ratio 2) C3 2) Flow-down ratio 2) C4 2) C4 2) C5 3) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 2) Flow-down ratio 3) Flow-down ratio 4) Flow-down ratio 5) Flow-down ratio 6) Flow-down ratio 6) Flow-down ratio 6) Flow-down ratio 7) Flow-down ratio 7) Flow-down ratio 8) Flow-down ratio 8) Flow-down ratio 8) Flow-down ratio 8) Flow-	C1 Polution food from fields			į.	i	1	1	1		l .	1	
3) Flow down mide (Part Marian Scholler) (C1-2) (C1-1 (C1-1 (C1-1 C2) Spills) (C1-1 (C1-1 C2) Spills) (C1-1 (C1-1 C2) Spills) (C1-1 C2) Spills			rg co	1	1	Į.	1			i	1	
S   Rab off pollation load   A1 = clas (21   Sg day   C2   C2   C2   C3   C3   C3   C3   C3	3) Flore-down mile	(21-2	1 -	1	1	i	ł				1	
2		1/21 (/21-11/21-2)		J	1	1	1		1		1	
22: 1	C2 Polytica load from levestok	100000		!	1		1	Į	1		1	ď
2012   0.4	1) Pollution load produced		tgaz	y 2,20							1	
43 Ran-off ratio   42   42   43   44   44   44   45   44   44   44											1	
3) Reserved production load   A3- clar/22   kg/day   as   44   as   64   44   44     C3 Tead name of production load from agriculture   A4-A1+A2   kg/day   6c   6d   4d   6c   4d   4d     B. Other asserts   D7 Forbidon load from others     D7 Forbidon load from others     D7 Forbidon load from others     D7 Forbidon load from others     D8 Forbidon load from												
C3 Total non-off pollution lead from agriculture	5) Rep-off pollution load		kg ar	vI a	4	<b>⊢</b> 4	4 4	4 4				
Display   Disp	C3. Total run-off pollution load from agriculture	Vq-V1+V5	KT 12	ท่ ร	≍ •	⊔ 4	3 °	4 4	11 44	1		
Display   Disp	B. Duber souces			1	1			l				
23-2   0.05	Dt Folution load from others		I	ļ	1		J	ا		J		i
3) Flow down main   4)   6   6   6   6   6   6   6   6   6				의 <u>5.6</u>							1	
4) Russoff reliantion load  22 (23 : 1423 : 2) 5) Russoff reliantion load  OC - 61 x 73 x  3g day  109 109 109 109 109 109  IE. Water quality at container of 1109 109 109 109 109 109 109 109  2) A verage (1992 1996) 3, Medical (1992 1996) 3, Medical (1992 1996) 3, Medical (1992 1996)			4				.e[	4 0	1.4 0.4	4	1	
IB. Water quality at control point	4) Rup-off ratio			0.0	2 00	0.0	e] 0.0				1	
E.Water quality manitured 1)10% 2)Average(1992-1996) 3)Average(1992-1996)	5) Run-off pollution load	OS-81 # 131	ىدىء	T 16	59 ti	N 10	) H	, 10	~ ~	1	1	
E.Water quality manitured 1)10% 2)Average(1992-1996) 3)Average(1992-1996)	IB. Water quality at control point	1		1	1	1	1		I	}	1	
2)A crag(1992-1996) 3)Admino(1992-1996)	E. Water quality monitored	1	1 .		1 .		1.	.! .	.,		Į	\$.0
3)Median(1992 1996)		1	aut.	`i	`'  °	٦ .	٦ '	"] '	1 **	1 '	1	-,
			1				1			i	1	
	F.Result of caluclation								nc 10 to			
1) I statement of polonics lead	1) Total ron-off polytion, Food 2:Water Rose											
3/0/str custry C-t/O ms 83 61 60 84 83 53 23				1 .				4 .	رد ای			5.

Table 1(7) Calumitation of Water Quality (EOD) at Kayoon (1994)

Pallution lead from up seem		10.74	<u> </u>	<u> </u>	- 444	<u> - 12</u>	O(1.		12/10/21	15 G.V.
1)Water quality of Jeds Bodge (£190)	Oi .	m g"t	6.1	6.0	8.5	4.S	7.3	63	- 1	
2)Water flow of fets Bodge	Q:	m. s	2.5	2.5	2.5	2.5	2.5	2.5	ı	
ริสันสีของคริสาส ก็เคราะสะสาย	เด้าสถาดัง	is Loy	1.318	1.296	1,00%]	2.117	1,577	1.361		
कारिजी आरक्ष रेटचले कियार प्राप्त स्थापन समार्थ के लाग्ने कर करोते कुमार्थिक आंदर	:0-co-20	hgiday	264	259	34	423	3;5	272		
Publics had from sub-basin			- 1	i	- 1			ŀ	l	
Dutterable waste water		- 1	1		- 1			ł	- 1	
A1 Pollutine knot (Sub busin B545)		- 1	į	- 1	- 1			ì	- 1	
1) Pullative told product	al	te sty	452	652	653	652	652	652	- 1	
2) Flow out exia	r1-1	. 1	0.9	6.9	0.9]	0.9[	0.9	0.9	- 1	
3) Post-down ratio	142	٠, ا	0.4	0.4	9.4	0.4	0.4	0.4	- 1	
4) Rup-off said	d (rt hct-2)	. [	0.36	0.36	0.36	436	0.36	0.36	- 1	
S) Run off pullwise had	Dt- al est	kg 6.5	212	235	235	235	2.15	2.35]		
A2 Pullating lead (Self-basin 8646)		1						1		
t) Politrice load produced	12	* 6 day	573	913	973	y?3	973	973		
2) Flow reaction	64	- T	0.9	0.9	0.9]	0.9	0.0	0.9		
3) Ricov-down ratio	r2-2	. i	0.6	0.6	0.6]	0.6	0.6	A.G		
4) Rus-off gara	(C((2-15/2-2)	- 1	0.54	0.54	0.54	051	0.54	مده		
5) Run-off polisters load	D2-52 s C2	kg day	525	525	525	525	525	525		
A3 Test major popular local form dispersion white water	96-91-93	ke by	762	760	750	760	760	760	- 1	İ
Industria na de water						ł		1	-	
B1 Pollutine load from surjet products	Į.	1		1	. 1	1	ļ	J		
1) Polluting load produced	b(	is in	9	D.	0	c	0]	٥		
2) Flori out raio	r) 1-1	1	•		!	I	1			ı
3) Flow down ratio	C1-2	1 . 1	j		l	ı		- 1	l	ı
6) Run-off ratio	d1(dEbdtel)	.	0	0		Đ	0	어	- 1	ı
5) Run-off polluting lead	te-blartt	kg đay	0	0	0	0	0	6		l
R2 Pollution knd from large and pedium waterpdustness		I * 1	ļ		. ,	1				
PoSition lead produced	52	ky dey	654	654	654	654	654	654		
2) Flore out ratio	rt2-1	[ · · ]	0.9	C.9	0.9	0.9	<b>₹.</b> ₽	0.9		ŀ
3) Flow down care	142-2	1 1	0.5	6.5		65	0.5	05		i i
4) Ruo-off ratio	r12 (r13-14r12-2)	1 - 1	0.45	0.45		6.45	0.45	0.45		١
5) Rup-off pollution lead	12- 60x r12	ky duy	2~4	29.4	294	254	294	294		4
B3 Pallufor lead from small wate industries	1	1 1	}		i 1					
t) Pathotice had produced	₩.	ke day	123	123	123	123	223	123		
2) Plantago cario	r13-1	1 - 1	0.9	6.9		6.9	0.9	0.9		l
3) Flow down ratio	ri3-2	1 - 1	0.5	6.5	0.5	0.5	0.3	0.5		į.
4) Report Frails	rt3 (rt3-(art3-2)	1 . !	0.45	0.45	0.45	0.45	0.45			i
5) Rus-off pollution lead	D-52 tr 3	<b>lig</b> duy	5.5	\$5		55	35			1
winzeled at and bent solving Bortus british	18-11-12 <b>-</b> 03	R g day	350	350	350	350	351	350		1
C. Ag ricult aral politation land					ļ			1		l
Ct Polytion load from fields		I i	1					1 1		ļ
1) Politation load produced	c <b>i</b>	t <sub>p</sub> day	l		1			I I		1
2) Flow out raise	72 (-1	1 - 1			i i					1
3) Flow down ratio	-21-2 -21-(-21-121-21-	1 '			1 1	,	1	1		1
4) Rus-off rate 5) Rus-off gelleries trud	(/21 (r21 tu-21-2) A1- c3x r2)	kg đay					l	j l		1
CT Polytion load from livestok	70,- 513 141	1.2.0.3	l				l	] [		1
Politicise load produced	c2	Lottoy	91)	9:	9:	91	رو إ	9:		[
2) Flow and ratio	622 1	1 " "	0.55	0.05		0.05				1
3) Flow slows arise	623-2	1.	0.5	0.5		0.5	0.5	2.0		1
4) Rup-off ratio	(23/03/(5/03/2)	1 .	0.035	0.00		0.025				I
5) Run-off pollution knot	A2-a1 + s22	k, the			d :	"	1 1	2		1
C3.Total non-off pollotion load from agriculture	Ad-At+A2	i valy	2		2 2	2		4		
D.Other souces		1	}			l	1			
Dit Polistion land (note allice)	1	1	1	l	1	1	1	[		1
1) Pollution lead produced	at	ka day	5%	5%						1
2) Flow-out estio	630-4	1 .	0.05	0.00						1
3) Flow-down ratio	134-2		0.5	0.5						ı
4) Run off cato	31 (61-1u3(-2)	] -	0.025	0.42	5 0.025					ŧ .
5) Run-off pollution load	OC- d( 1 +32	وملتية	15	t;	S 15	1:2	S 6	15		1
III. Water quality at control point	1	1			1					í
E. Water quality monitored		1	1	ļ .	1	l	l .	1 1		1
	1	الزده	I '	1	6.3	1	1	1 3	5.	2
Di <b>%</b> 4			1		Ł	l .	1	1 1		
2)A+eroge(1992-1996]		1	1	ı	1					
2)A+croge(1992-1996) 3)Median(1992-1996)		1	1		1	1		}		
2)A+eroge(1992-1996]		1			]	1				1
2)A+croge(1992-1996) 3)Median(1992-1996)	L-10+Dd-12+Ad+Od Q	kgiđay m.Xs	هدا .	1,73	6 1,47		0 8.44	1.399	1,44 2	

Table-1(8) Caloculation of Water Quality (BOO) at Porong (1994)

lie ms		unites	164	14:	500	T T	33.	5.5	Ave. Do	75 C. V
Polluting kad from uparam		1			<u>- 198</u> – 1	·>: 2: · · -	-27		227767	
1)Water quality of intuite of voice cand	co	m g.1	3	<b>,</b>	250		. 1			
27Water flow of make of voore will	Ç0	m.ls	1	1	6.5					
3.Podution load from agetre are	CO-COLOC	kg day	l l	\$	12,960					
#Pothetion took favor upote un considered with punite als	u-coco	وداه ي ا	Ì	ĺ	259	- 1				
I. Pullistian had been sub-basin				- 1	1					
A Duniestic waste water		i I		- 1	- 1				- 1	
A Foliation lead		1 1							1	
<ol> <li>Puburise load produced</li> </ol>	2)	r2 41	54	5-25	59	59	99	54	. (	
2) Roc out mile	rl I	·	6.9	0.9	ůć	0,0	5,9	0.9	. 1	
3) Flow down mile	rt-2	1 1	0.2	0.2	0.2	0.2	0.2	0.2		
4) Rus-off rai-o	ri (ri-teri-2) Di-abari	I I	6.45	O IR	0.19	0.19	D. 18j	016	i 1	
5) Run-off pollution load A2 Total ma-off pollution load from distante waste water.	03-54	رحق و ما رحق و ما	11	(2)	11 16	111	11	£1		
li dulinatria wa de water	1			į						
B1 Policios laid from surjai produces	i					1				
Politics took produced	bt	رىك رىد	PØ 367	185,367	185.367	BS Je?	185367	165,367		
2) Flow-out estia	r)1-1	"°."'	0.9	0.00	0.9	0.9	0.9	0.9	! !	
3) Flow-down ratio	r11-2	1.	0.02	0.92	0.02	0.02	0.02	0.02	l i	
4) Rea-off gallo	ris (ris-twis-1)	1 . 1	0.5:3	D Dak	0.013	0018	0.018		1	
5) Reseaff pollution load	ft- bl u ri i	ke day	3.337	3337	3 337	3.337	3,337	3 337	1	
B2 Pollution load from large and medium scale industries		1 1							{	
1) Pollution load productd	62	h day	103	10.7	103	103	103	103	l i	
2) Flow out ratio	ri2-1	1 . 1	5.9	0.9	0.9	0.9	0.9	0.9		
3) Flow down ratio	r12-2	1 ·	0.3	0.2	0.2	0.2	0.2			
4) Ran-off exic	r12 (r12-3xr13-2)	i. : I	9.18	0.18	0.19	0.18	0.18			
S) Run off polluring load	15- 97-03	رنگ و 🕊	19	16	;9	19	10	19	i	
B3 Pallution load from small scale reduction	<b>b</b> 3	I I			i					
1) Pollutine lead produced	rt3-t	Reday	16	16	16	26	16	16		
2) Flow out catio 3) Flow-down ratio	13-2	1 - 1	0.9	0.9	0.9	0 9 0.2	0.9 0.2	0.9		
4) Rue off ratio	(13 (6) 3-15 (13-2)	1:1	3.18	0.18	0.18	6.18		0.18	i	
5; Rus-off pollution load	U-57xr13	kg day	0.16	1 7 7	0.18	3	V."	. V.18		
BAT and not probation load faces the inclusives	1d-!1-12-13	kg day	3354	3,358	3.35%	3.356	3,358	3.358	1	
C.Agricultural policition land		<b>\</b>								
C1 Polition lead from fields				l 1			1	<b>{</b>		i
Pollution lead produced	ci	kg day								
2) Flow out ratio	614	1:			1			l		
3) Film doma maio 4) Rup-off raio	621-2 621-001-15/21-21	-								
5) Run-off polletion load	Al-clares	Ked v								
C2 Polusion lead from livestels		1.000								ł
1) Fallution load produces	<2	Rg day	56	56	54	56	\$6	56	1	
2) Flow out ratio	623	'- '	0.2	0.2	0.2	0.2		0.2	1	ŧ
3) Flow down calo	(22-2	1 .	0.2		0.2		0.2			ŀ
4) Rus-off ratio	(22(122-14/22-2)	1	0.04	0.04	0.04	6.04	0.01	0.04	1	1
5) Rue off pollution lead  (3.1 et al non-off pollution lead from agriculture	A2+c1 x c22 A3+A3+A2	tg day	2	3	3	,		2	ĺ	1
D Other sources										l
D) Pulation bad from others	1	1	l				I	I		l
1) Pollution lead produced	đi	Lg day	1 119	113	113	117		l 1,3		ı
2) Flaw-out ratio	i31-t	1 .	0.2		0.2	0.2				l
3) Flow down ratio	r31 2	١.	0 2		02	0.3				l
4) Rus-off ratio	r31 (Ø1-11/31-2)	1 -	0.04		0.04	0.14				l
5) Run-off pollution load	Od= d1 t r31	kg čsy	5		5	5	1 5	,		]
IG.Water quality at control point		1								1
E.Water quality munitored	j	1 .	I	I		1	I	l	1	I
1)1994	]	m <sub>S</sub> 1	ŀ	I	12.9	I	I	Į.	12.9	i
2)Average(1962-1996)	1	1	I	i		1	I	1		1
3;Median(1992-1996) E Book of mischeller		1	ļ	i			I	1		l
F.Result of sakurlation  1)Total run off polytion load	2-LD-D4-14-A5-O6	kg/day	3.375	3,275	3,625	3.375	33775	3.375	3.4(9	į
2) Water Sow;	0	15.00y	3373	<sup>ەرر</sup> . 1	3,020	33/3	1 ""	1 3373	3.40	
3/Water quality	Č-120	me1	i		13.1	i	1		13.7	

Talde-1(9) Caluculation of Water Quality (BOD) at Bundayu Bridge (1994)

two	I	un.c.	Jan .	Jai.	X12	Si n	- 13:-	No. A	15 VV
Pullution 1 ad from up 4: sam									
1) Water quality of ratalize of wave cand	CO .	rel				1			t
<ol><li>Water flow of intuite of vive cand.</li></ol>	Ç0	m.h.s.	1						}
3) Published four four spate am	IS-C/I\Q0	t y day	1			1		- 1	
<ol> <li>Published lead form upon an considered will purificate</li> </ol>	TG-CG/FM	Ly day	- 1				1		
. Polisting had from white in	1							l	
Demostic waste water	]								- 1
A1.Pullation had		ł ł						~	
1) Perfection lead produced	11	ودی وط	80	30) 6.9	20	20 8.9		8.9	1
2) Flore out ratio	rl-I	1 . 1	0.9	0.9				0.9	
3) Flow down ratio	r1-2	1 ' 1	0.8	5.72				0.72	
4) Rus off ruip	rt (ct-0s:1-2)			14			14	14	
5) Remoif pollution lead A2.Tail majoff pollution lead from demoise wastewiser	D(-plant) SC-OL	kg day kg day	14	14	1 13		1	14	j
•									1
Lindustria warde water	İ	<u> </u>	ļ		!		1		
B1 Pollutine lead from major produces		المما	ار		0		، ا	اما	ı
PoPurios kud produced	b) rt) t	re day	['	ĺ	i "	l '	ľ	l i	
2) Flow out ratio	rt1-1 et1-2	I : I			ĺ	Ĭ	I	l i	l
3) Flow down ratio	attestated	ı il	0	٠,	١.		۱ ،	6	ı
4) Ruo aff rai o	T:-btarti	L day	o	ì			ì	اه	1
5) Remoti policies tool	4: - 01 4 PU	42 00	Ϋ́	l "	l "	ĺ	ľ	1	- 1
BilPolision had from large and medium wate industries	62	وبهويا	3.4	34	34	34	J.	34	
1) Polletion lead produced	612-1	1 ** "	0.9					0.9	l l
2) Flow-out cate 3) Flow down puto	(412-1 (412-2	[ ]	0.9						į.
	n2(n2)tm2(2)	'	6.12						
4) Rus-off raid	12-620-02	4 5 523	24						1
5) Run-off pollution load	124 804 612	(2 22)		į "	ĺ ''	``	1 .	1 7	1
B3 Pullutino ked from small scale industries	L	1 !		,				s	
<ol> <li>Pollution lead produced</li> </ol>	63	kg day	0.9						
2) Flow out ratio	03-1	1 .	0.5						
3) Flow-do-to ratio	63-2	1 ' !	0.5 0.72						
4) Run-off rates	ri3 (ri3 (vi3)-2)	1	0.72	1 "	1 ""		, ,	וניי ו	1
5) Res-off pollotion lead B4.Fotal non-off pollotion had from the advance	13-534/13 12-11-17-13	kg day kg day	26		21		25	- 3	1
•	1	` `		1	1		l		
C. Agricultural pollution load Ct Polution load from fields				l		į.	1	1 1	l
1) Published lead produced	(1)	Agree,			İ	1		l 1	
2) Flore out take	121-1	1 . '	l .	1	1	1	1	l 1	ı
3) Row-down ratio	101-0	1 • 1	i	1	i		1	l 1	1
4) Rub-off ratio	(2) ((2)-(5(2)-2)						!	t ł	- 1
5) Rus off pollution load	A1-c1><01	kg đay	i			ţ		! !	
C? Polistine load from levestale	I.	i		J.,		1 6	ی ا	19	ŀŀ
1) Politrion lead products	62	t <sub>g</sub> c <sub>y</sub>	, is						
2) Boy Arraio	(22.1	Ι.	0.3						1
3) Flow-down ratio	r22-2	1 .	D.16						
4) Ruti-off ratio	r22(+22-15/22-2)								1
<ol> <li>Russ off pollution head</li> <li>CB Total rus-off pollution load from agriculture</li> </ol>	AZ=11 + 122 AZ=A1+AZ	tg day							
·		1 1				1	1		
D.Other souces		1	I	1	1	1	1		1
Dit Politikes lead from others  1) Politikes lead produced.	ai	kgiday	31	al a	8 3	باء	8 3	8 38	
1) Folkston out granters 2) Flow-out raid:	73:-1	1.500	6.1						I
2) Firm-down sale	731-2	1:	e e						l I
4) Run-off ratio	(3) ((3): (((3):-2))	1 .	0.1						
\$1 Rua-off pollution load	Od-dixibi	ر الله و ا							
(IL Water quality at comiral point	1	1				1	1		
E. Water quality monitored	1	1	l l	1	1	i	1	1	i
1)1994	1	m <sub>4</sub> ?	ı	1	,	3]	1		9.3
2)Average(1992-1996)	1	1 *	1	1	1	1	1	1	1 1
3;Medias(1992-1996)	Į.	1	I	1	1	1	1	1	1 <b>!</b>
F.Result of caluclation	l .	1	I	1	1	1	1	1	<b> </b>
1)Total purport polition knd	L-L0-0d-M-Ad-0d	ده'و۲	, ,	2 :	52	se] :	52 2	2 52	
2/Waire flow	Q	ea.) s		1	6.0		1	i	0.06
3.Weer av ibr	مناط	_m_it	•	1		rof.	1	1	9.0

Table-3(1) Caleculation of Water Quality (BOD) at Burniayu Bridge (2000; Without project)

lie ms		MINISTER .	. 11.0.	10	_^*/_	. 52	(3.1	N/.* Y	AC (0.2)	75 <u>5 Y 2</u>
Pullotion had from opstrucm	~ I				ļ	ı	ĺ		- 1	
1/Water quality 2/Water flow	oc 1	0.5	ļ		- 1				ì	
special form period	ນ້ຳໜາ	1.1	i							
	10	kg d.v	İ		ĺ					
Pattetion lead from sub-basin	, J	}		1	. [	- 1		, 1		
Outre die na de nater		i				- 1			ł	
A1 Pollutina Irad (Sub-havur BCCO)				•	42	897	847	897		
1) Publisher Ked produced	a? *i-1	Ag day	0.3	£√? 0.3	997	03	0.3		i	
2) Flow out rule 3) Flow-down rule	4-2		6.1	0.1	61	0.4	0 1		į	!
4) Ron-off muc	rt (d. 1 cd. 2)	- 1	0.03	0.03	001	0.03	0.03		- 1	
5) Run-off pollution load	Di-stari	ردہ ہے	27	27	27	27	27	177	- 1	
A2 Pullution tout (Sub-basin B001)		i	- 1	_					- 1	į.
1) Polluting load produced	4	kg day	3,745	3,245	3.745	3,745	3,745			
2) Fire-out ratio	<b>12.1</b>	·	6.5	0 s	0.5	0.5	0.5		1	
3) Firm down ratio 4) RungaT ratio	00 0(0:1503)	1:1	0.1	92		0 2	0.3			ĺ
5) Run-off politicion load	02- 42 1 12	42 32	749	7,00		749	749			ĺ
A3 Pollution load (Sub-basin 90.20)					li			1 1		ĺ
t) Policion Irad produced	د	a grany	8.562	8,563	6.562	1.562	1.560			į
3: Flow-out ratio	હ (	·	0.7	0.7	0.7	0.7	67			ĺ
3) Flow down naio	63-0	•	0.3	0.3		0.3	0.3			1
4) Rus-off ratio	(3 ((3-1443-2)	l l	0.21	D21	0.24	0.21	0.2:			1
5) Rusself polition load	03-23-13	is av	1.758	1.748	9.7×S	1.7vs	1,795	1.798		ı
A 4.Posturion Ford (Sub-trasin B024)  D.P. Burlander de produced	Li	ونك تها	14.365	14365	14,365	14,365	14,365	14,365		ı
1) Politolina lead produced 2) Flow out miss	:41	T T	0.7	07	07	0.7	0.7	1 07		i
3) Fire down take	:42	1 - 1	63	0.3		63	63		į	į
4) Rup-off rails	(4 (64-14:4-2)		0.51	0.21	0.21	0.73	0.21			ł
5) Run-off pollution had	D#- #42 (4	kg 34)	3,017	3017	3.517	3.017	3,047	3.017		1
A3 Politation Trad (Sub-basin 8022)	l. <b>.</b>	المدا		E 104	اا	5.1%5	\$,185	5,185		1
1) Pollution load produced	್ತು ಭ-1	kg day	5.1%5	5.185 6.9		3.180				1
2) Plane and said 3) Plane day a mile	63	[ ]	0.8	ÇS		0.8				ļ
ය) අගත-සොමාර ද) සිංහ-පරි පත්ප	<b>あま</b> (み)(み2)		0 12	0.72		0.72	672			i
5) Rug-off pollution lead	05- 252 15	hg day	3,733	3,733		3,733	3,730	3330		I
As Total to soft politicing load from down tie water water	D6-D1+D2-D3+D4-D1	1 day	9,324	9,324		9,324	9,324	9334		
Industria waste water			. 1				1	1 1		l
81 Pullurion lead from major producers	1	Li			1 1			1		
Pollution Toad produced	Ы	Rg (a)	3.561	1.561		2.561	1.561			1
2) Flow out palie	d1-1	1 - 1	0.9	0.9		0.9	0.5		ł	l
3) Flore-device ratio	r11-2	1 - 1	6.5	0.		0.5			į	
4) Run-off (alie	el ( (ct l-(uel l-) )	I I	0 45 202	0 45 70		0 45				
5) Rus off politica load	It-\$1 4 rE4	13 (1)	702	, no.	1 ~1	,0,	100	1 ".	ı	1
B2 Pollution lead from large and medium scale industries 1) Pollution load produced	52	بية ع	17,325	17,775	11.775	12,775	17,775	17,775	1	l l
2) First out ratio	d2-1		07	0.7		67	0	য় ০ গ	i	1
3) Flow-down ratio	d\$2	1	0.4	0.4		0.4				
4) Run-off ratio	c12 (c12-0c12-2)	1 : 1	0.28	0.25		D 2%				
5) Run-off published load	-12~62x c12	i, cay	4,977	4,97	4,977	4,977	4,97	1 4,977	ĺ	
B1 Pollution load from small scale addresses	l	I					3.43	3,432	ı	
1) Pollution load produced	13 r(3-)	kg day	3.G2 G7	3,43		3,400				
2) Flow out maio 3) Flow-down maio	ri3-2		0.4							ł.
6) Rue-off ratio	d3(n3-ten3-2)		9 28	D 2						
5) Run-off pollution lead	D-63x:13	ka day		96						
B4 Total non-off pollution load from the industries	13-13-12-13	ke day	6.540				6,54	6,540	[	1
Agricultural politities load			1		•					1
€) Palutian load from fields*	i.	1	1	I	1	I	1	1	ŀ	
1) Pollution load produced	(I	k, day	1	ŀ	1	l	1	1	Į.	
2) Flow-down ratio 3) Flow-down ratio	721-4 721-2	1:		ł	1	l	1	1	1	1
3) Fare-off rate 4) Run-off rate	(2) ((2)-(u/2)-2)	1	1	I	1	l l	1	1	1	1
5) Run-off pollution load	Al-cia (2)	k, day	1		1	1	1		1	1
C2 Policine lead from Evertek	1.		Ī	l		٠	J	6 21.276	J	1
E) Pallution load produced	c2	R <sub>c</sub> cu)	21.276 5 1							1
2) Flow out ratio 3) Flow-down ratio	r22-3 r22-2		0.3							i
3) Flori-down ratio  4) Run-off ratio	(22((23-1)(22-2)		0.03							1
5) Rug-off pollution load	43- 61 x 122	1, 40		63	8 63	631	63	82.8	·}	
C3 Total res-off politicins load from agriculture	ACHAINA2	ks (cs)					63	36 638	1	
D.Other souces		1	i i		1		1	1	i	
D1 Polution load from others		1	1		1			. 1	.1	1
I) Pollution load produced	<b>c</b> t	it o	36.630							1
	वान	1 -	0					1 01		1
2) Flow cut ratio	631-2	1:	0 0					13 03 23 03		1
3) Flow down ratio	-21 (-21 12) %	1 .								1
3) मिल्ल-केल्स्य कार्यक के स्थित-कर्म क्यांक	⊕1 (⊕1-1x-31-2) Od=dt x ⊕1	Le de			1	•	1	ı	1	1
33 Flow down natio 43 Rue-off ratio 53 Rue-off pollution tout		ig day		1	1	į				
3) Flow down ratio 4) Rue-off ratio 5) Rue-off pollation load  B. Water quality at control point		kg day								
3) Flow down ratio 4) Student ratio 5) Run-off politation foud  III. Water quality at control point 5. Water quality at control point 5. Water quality munitored 1)1094		kg day mg1		ļ,	,, أي		a 7	18 7:	s 6	2
3) Flow down ratio 4) Rue-off ratio 5) Rue-off poliution lead  B). Water quality at control point E. Water quality municated 1),1994 2)Average(1992-1996)				, ,	, , , , , , , , , , , , , , , , , , ,		4 7	8 79	٠ ،	2
3) Flow down ratio 4) Student ratio 5) Run-off pollution toud  III. Water quality at control point 5. Water quality at control point 5. Water quality municipated 1)1994 2) Average (1992-1996) 3) Median (1992-1996)				, ,	).d	8 8	4 7	7.5	5 6	2
3) Flow down ratio 4) Rue-off ratio 5) Rue-off poliution lead  B). Water quality at control point E. Water quality municated 1),1994 2)Average(1992-1996)		m <sub>5</sub> 1	1:							

Note: "Pollution load from fields is included to other sources

Table-2(2) Caluculation of Water Quality (BOD) at Demangan Bridge (2020 : without project)

tions	T	UAItes	1.5	Zei	491	Sen	<u> </u>	No. (A)	c(Dn) 25	V.
Pullution lead from apaream	o I		20	2.7	- 43	6.6	اد	3.5	- 1	
t)Warn quality of Enthylo Dum (469) 2)Warn flow of Lodoyo Dum	6	w}. e.€3	720	6 5	61.0	\$70	107.0	บร	•	- 1
Diffultation load from space an	16-00-00	kg (2)	12.442	1.400	22.563	32,50-4	39,753	23,967	ł	1
4) Run off pollution lead from spote an	16-01-00	ke day	2,458	230	4333	6,501	1,95:	4,793		i
L Pollution hard from witchesin		ì	- 1	Į			ļ	1		
L Burnerdie wa de water			- 1		ı.		1	1	1	
Ali Politician kind (Sub-basis B142)			- 1		J		- 1	ĺ	1	
1) Pollution load produced	25	ودائزيا	1,5%	1,509	1.5%	6.50%	1500	1.80%		
2) Flow-out ratio	:11		0 A	0.8	0 R	0.8	Ð.R	0.8	1	- 1
3) Flow down ratio	t1-2	- !	0.2	0.2	0.0	0.2	0.2	0.2	Į	1
4) Rug-pØ mild	rt (rt twt 2)	- 1	0.05	D.16	0.15	0.16	Die	0.16		1
5) Rose off posteriors load	Di-olasi	t c day	241	241	241	242	343	741		- 1
A2 Pullution load (Suh-Solin B (52)			- 1	į		1				- 1
1) Pollutina lead perduced	32	k day	1.900	1,50:}	1.900	1.961	1.901	1.901		- 1
2) Flow out ratio	64	٠ ا	0.8	0.8	0.3	O R	(1.0	0.6	Į.	- 1
3) Fire describe	de	•	0.1	0.3	0.34	0.3	0.3	0.3	- 1	- 1
4) Run-off ratio	0 (0.000.2)	i I	0 24 456	6 (4 456	856	456	5.6	3	1	- 1
5) Run-off pollution load	50-3010	t g day	106	***	••	- 19	***	```i		1
A3-Polititing lead (Sub-back B) 53) 15-Polititing lead produced	33		232	732	732	732	732	732		- 1
		ky dny			0.3	0.8	0.8	0.5		
2) Flow-cell palip 3) Flow-down take	0-1 10-2	·	0.3	0.8	0.4	0.4	0.5	0.4		
3) Flow down turso 4) Rup off ratio			0.1	0.22	0.32	0.32	603]	0.32	l	
4) Rup off pulso 5) Rup off pollution lead	(3 (3-1)(3-2)	المنا	234	234	232	23	234	234		
Share a terrando en el facel proteste per la contracta de la CATA.  A STATE de la contracta de la contracta de la contracta de la CATA.	D6-D1+D2+D3	kg duy	932	932	933	932	932	932	- 1	
Viel 1928 upp-out brothing som thou gooderie eight eight.	06-01402403	XE GLIS	***	""	•3.	"]	''']	"		1
Lindustria + a de water	ļ			- 1		i	I			}
B1.Pollution load from major producers	1	ll	- 1	1	L	ì				i
1) Politation lead produced	bi	kg t⊔y	230,953	230,953	230,913	230.953	236,953	230,953		- 1
2) Flow-out ratio	[rt+t	ı ٠ ١	0.3	0.3	0.3	0.3	0.3	0.3	- 1	- 1
3) Flow-down mile	#11-2	-	0 2	0.2	0.2	0.2	0.2	0.2	Į.	- 1
4) Run-off catio	#11 (r11-1sr11-t)	- i	0.06	0.08	0.06	<b>6.06</b>	0.06	0.06		- 1
5) Run-off pollution had	51- bt a c54	ودائتها	13.857	13.557	13,457	13.857	13.857	13.857	1	
B2.Pollulou lead from large and medium under advances	1	l I	- 1	- 1					- 1	1
Patturion load produced	82	[kg/Jay	3.510	3.5(0)	3,510	3,510	3.510	3.510		
2) Flow-not ratio	162-3	1 - 1	0.8	0.8	0.3	G.A.	0.8]	9.0		
3) Flow down sale	432	- <b> </b>	0.3	6.3	0.3	0.3	0.3	0.3	l l	
4) Run-off rasia	e12 (c12-tar12-2)	1 - 1	0 34	0.34	0.34	0.14	0.24	0.24		
S) Fun-off pollution load	(C+93/4)2	a day	840	842	842	842	842	8 <b>∔</b> 2		
83 Pollution lead from small wate industries	1	Į I	- 1	- 1					1	
1) Pollution lead productd	w	tg tuy	617	617	817	617	617	517	1	
2) Flow-out ratio	r13-3	1 - 1	0.8	0.1	6.5	C. R)	0.8	0.8		
3) Flow down cario	ri3-2	1 - 1	0.5	03	03	0.3	0.3]	0.3		
a) Run off ratio	ri3 (rt3-tvrt3-2)	1 • 1	0.74	024	0.24	0.24	9.24	0.24		
5) Run-off pollution load	D-53 v (3	iş 3 ıy	148	1:3	148	148	148	1 48	- 1	
B4 You'd run-off pullufon lead from the industries	1d-29 -12 -13	kg đưy	14,348	14.8-43	) 4 ,5-4k	14.548	14,8-28	14,548	- 1	
C.Agricultural pollution load		1 1	,	. '			1		- 1	
C1 Polytion load from fields		1 }	1			1		l l		
I) Pollution load produced	51	kg day							ļ	
2) Flow-out ratio	<b>⊘1-1</b>	1 1						( )	- 1	
3) Flow-down ratio	(d) 2	Į -							J	
4) Aug-off exic	r21 (r21-12:21-2)	<b>₹</b> •							- 1	
5) Run-off pollution load	A)- cla sil	16 -	. !	. ]					- 1	
C2 Polyrica Test from liverisk	1.	1 1		اا		ليني ا		ایری ا	- 1	
1) Politica food produced	G	kg day	11.258	11,258	11.258	11,255	31.258	11,258	ļ	
2) Flow-out ratio	r22-1	[ · ]	0.1	6.1	0.1	0.1	0.1	0.1	- 1	
3) Flori doma calio	G2-2	-	0.3	0.3	0.3	60		0.3	- 1	
4) Run-off exists	(C2((22-16/23-2)	1	0.03	D.D3	0.63 316	0.03		0.03	ļ	
5) Reproff pollution load CB. Fotal me-off pollution lead from agricultum	A2+ c1 x r22 A6+A1+A3	برخ و د دي و د	338 338	338 338	338	338 338		338 338	- 1	
	, , , , , , , , , , , , , , , , , , ,	1.000		1 "		ì	1	1 ~~1	1	
D. Other sources				l	l	•	I		- 1	
Ot Politica load from others	1.	1. 1		l	Ş	I	l	1 . 1	l	
1) Pollusion load professed	(±)	t giday	10.620		10.630			10,620	- 1	
2) Flow-out ratio	61-1	1 .	0.1	0:	0.1			0.1	- 1	
3) Flow down ario	<b>i</b> 3:-2	1 - 1	0.3	ده	0.3			0.3	ŀ	
4) Run-off ratio 5) Run-off pollution load	631 (631-14131-2) 66- 61 (631	أينا	6 03 3 9	0.03	0.03 319			8.03 3.19	- 1	
	O-01 E/31	is duy	i ""	) ","	1 "	] 3,4	] "	319	1	
III. Water quality at control point			l		1		I	1 [	- 1	
E. Water quality monitored	}	1	I	ļ	1	Į.	ŀ		- 1	
1)1954	1	17ஆவ	23	3.8	4.3	7.5	2.6	3.5	- 44	43
2)Avcrage(1992-1996)		1	į .	}	I	i	1	I	ı	
3)M-dian(1992-1996)		I	1	l	l	1	1		1	
F.Result of caluclation		I		J		J		ا <u> ا</u>	~l	
t)Total run-off polytics lead	L-LO+DG-TG-AS+Cd	Agiday							20,560	
2)Water flow 1.Water starting	9	e3,	62.6	62 6	67	626	626	62.0	62.6	

WQ-12

Table-2(3) Caluculation of Water Quality (BOD) at Jogbriu Eridge (2020; without project)

No the	[	yrites	<u> 154 .                                    </u>	13.	398.	×4	N. I	<u> </u>	va Dn	75 S.V.
offiction load & on updream. HWater quality of Ngweggo Tunhuzgun (200)	l <sub>G</sub>	mg1	6.3	4.9	10.5	1.0	3.8	4.7		
2) Water flow of Symmetry Tanhangan	le	1.31	14:0	56.9	55 6	65.0	55.4	41.9	- 1	
Spiritalisation total from uponrum	Ed =CG = QG	kg Lay	76.749	23,5%	50 940	24,902	17.204	17.045		
<ol> <li>ම් මියක රුම් දුං විශුවයක් වියන් දෙනවනයක්</li> </ol>	E0-C0xQ0	kg đuy	15.350	4,730	10068	4,3%	) +1.	3,403		
laborica loud from whitevin	l i		i		}		- 1			
ouerdig wade water A E. Politation ignet (Sub-Paulin B 310)				i	1		1	l l		
1) Politica land produced	14	124	2 897	2.897	2 897	2.897	2 847	2 897		
2) Flow-out ratio	#I-1	•	0.8	0.8	0.5	0.7	0.8	0.8		
3) Flow down ratio 4) Run off ratio	ni-2 ni (#1-164-2)		0 I) 0 08	0.08	D (	0 3 3 3 0 0	D.C	0 t t	- 1	
S) Bust-off polluting lead	Diestart	kg dz)	232	23.2	232	232	232	212	- 1	
A2 Politarion land (Sub-bacia B312)									- 1	
1) Politing load on duced: 2) Flow our ratio	12 (2)	k <b>g</b> f≟y	3.009 (F3)	3 000 0.8	3 35V 6.8	3.00V	3.309 0.3	3.009 G.8	- 1	
Difference ratio	0.2	- 1	0.2	0.2	0.2	0.2	6.2	0.2	- 1	
4) Run-off cario	(2(2-102-2)	} I	0.16	0.16	0 16	0.15	0.16	0.15	- 1	
5) Run-off pulleties lead A3.Polluties lead (Sub-burin R312)	D)2 x i)	ودانوة	45:	45.1	481	482	45:	492	i	
1) Polloting load produced	23	إردادونا	277	277	277	277	277	277		
2) Flow-out ratio	Ø-1		0.9	0.9	0.9	0.9	0.9	0.9	j	
3) Flow-down colo 4) Rub-off cate	3-2 3 (3-1x3-7)	l : I	0.3] 0.27	0.3 0.37	0.3	0.3	0.37	0.3		
Sy Run-off pridution toud	D3- 20 x t3	1201	75	75	25	75	75	75	į	
A 4 Politoring lead (Sub-harip B 31.7)		1 I	i			- 1			1	
1) Publishes had produced 2) Flow-our ratio	(14 (4.)	25 54	3%6	396 0.9	396 0.9	396 0.0	3%6 0.9	356 0.9	- 1	
3) Flow-days note	14.2	:	أدّة	63	0.5	6.3	0.3	0.9	į.	
4) Runoff galo	24 (e4 tre# 2)	.	0.27	0.27	0.27	0.27	0.27	0.23	l	
5) Run off politicing tool 4.5 Bullion food (S. S. S. et a. B. S. et a.	Då- adt til	kg day	107	107	107	107	<b>3</b> 07	107		
AS Published Sub-back BR24) () Polition lead produced	الد	tsiday	288	284	268	2318.	283	288		
2) Flow out cabo	ា ៖	•	0.9	¢.9	0.9	0.9	6.9	0.9		
3) Revidena piso	d-2		0.45	0.45	0.5	0.5	0.5	0.5		
4) Run-off ratio 5) Run-off pollution load	63 (64 kiが2)   05- おいろ	kg day	130	130	0.45 130	0.45 130	0.45 130	0.45	1	
AS.Pollution lead (Sub-bar o 8345)	1	1 1		ŀ		- 1		1		
Polistice load produced     To Ellistice and a	15-1	×5 42)	1.796 0.8	1.796 0.8	3,796 0,8	0,796	1,795	1,756	ĺ	1
2) Flore out ride 3) Flore-down rates	4-3	:	0.6	4.0	D.N D.S	0.8	0.3 0.6	06		1
4) Rus-off extig	16-3 (16-34:15-2)	] . [	0.48	<b>3</b> ,48	9.48	0 45	0.48	0.48		
5) Run-off pollution load	06-34 K	kg day	8~?	B62	862	862	862	860		
AT, Politinion lead (Sub-basin 9316)  1) Politisins lead produced	137	kg day	203	263	203	303	213	303	Į.	
2) Flow out ratio	t7-1	1	0.9	0.9	0.9	0.9	0.9	0.9	- 1	
2) Flow down ratio	7-2	1 • 1	0.3	0.8	A.G	0.8	0.8	0.3	- 1	
4) Rue off-rade 5) Rue off-policion load	(7-3 (67 15:67-2) (07 = 27x (7	ks day	146	0.72 146	0.72	0.72 146	072	6.72 146		!
A8.Pollution load (Sub-basin R217)	10	1 }	1		~	.~1	.~[	.~1		
1) Politica lead produced	38	kg day	2 5 43	2.943	2,943	2.9 43	2.943	7.943		
2) Flow-out ratio 3) Flow-down ratio	16-1 15-2	1:1	9.7 9.3	0.7 0.3	6.7 0.3	0.7	0.7 0.3	9.7 9.3		
4) Run-off railo	(6-3 (/8-1x:8-2)	-	0.21	0.2)	0.21	0 21	0.24	0.2		ł
5) Run-off pollution lead	D6>8x 16	tg du;	618	6:8	648	6:8	619	613	- 1	l
A9.Total reason politicism lead from domestic water water	Dd-D1+→D6	is day	2.651	2.631	2 652	2.6.52	2 65:	2.65:		ļ
industria waste water		ŁΙ					1	ı	- 1	ì
B ( Politation load from major producers	]  ht		758,432	788.433	7NR.432	788,432	288,432	788,432		l
Politotion lead produced    Plow-out ratio	(1.2-5	kgimy	0.05	0.05	0.05	0.05	0.05	0.05		l
3) Flow-down main	rt t-2	- }	0.5	0.5	0.5	0.5	0.5	0.5		l
4) Rue-off ratio	rit(rit-ball-t)	t s May	0.025 19,715	0.025	19,711	6625	0.025 <b>29.76</b> 1	6925 19711		l
S) Run-off pollution lead     B2.Pollution lead from large and medium scale industries	3:- 51 u ri 3	1 E 22.57	14.713	(4,711	24,711	19.711	29,741	19,111		l
1) Politatine load produit d	N2	لادكاوة	4.748	4.742	4,348	4,743	4,742	4,743		l
2) Flow-out mile	r)2-1		0.2	62 63	0.2	0.2 4.5	0.2	0.2		ļ
3) Flore dienes ratio 4) Ruseoff ratio	r?2-2 rr2 (rr2-rurr2-2)	[ : ]	0.3	6.1	0.5 0.1	0.5] 0.1]	0.5	0.5	į	•
5) Run-off politica lead	12-30x r12	işarv	475	475	475	475	475	475		1
B3 Pollution load from small scale indestries	J.,	ا ريا			. ".i	1		!		1
§) Poliution load productd  2) Flow-out onto	63 713-1	tg day	79:	791 02	791 97	791	291 5.2	79: 5:2		1
3) Flow-down ratio	rt3-2	-	0.5	0.5	ده	0.5	د٥	0.5		
4) Run-off ratio	rl3 (rl3-Iuri3-I)	1 1	0.1	<b>0</b> 1	5.1	0.1	0.3	5.0		1
S) Russ of pollution lead B4 Total author in diction lead from the industries	D-93m3 M-31-32-0	ig day	79 20,265	20.265	20,265	20.263	79 20:265	20 265		1
managed and desired the second of the second	1	""								ļ
kgrirulturni politiku konë Ca Politira kazi (reza fielda"	1				<b> </b>			· į		Ì
() Politrion load produced	¢1	iş dıy			}	į		1		1
2) Flow-out ratio	R1-1	1 - 1				- 1				ĺ
3) Flow Cowa nailo 4) Rus-off catio	GHGHRGH2)	1:1			i i	1		1		1
S) Ruz-off pollution load	A1- c ix (2)	kg day			. I					ı
CI Publics lead from livestok  i) Pollution lead produce ?	e?	kg day	24.838	24,838	24.638	24,838	24,338	24.838		ı
i) Polistone load produce f  2) Flow-out ratio	r22-1	-1,41/	0.05	24,838 6.05	0.05	24,838 0.05	24,838	0.05		1
3) Flow-down callo	-022-2		0.5	0.3	0.5	0.5	0.5	0.5		ı
4) Run-off ratio 5) Run-off ad Button Touri	(23((22-1))(22-2)	ايني	0.025 621	₽₽ <u>3</u> €21	0625 625	0.025 626	6.025 621	0025		1
5) Rue-off pollution leaf  (C) If stal me-off pollution leaf from agriculture	A2+ c1 x r22 A2+A1+A2	kg day	621 621	621	621	621	626	621 621		l
•	1	[ ]			'{					1
Other sources	1		1							1
OI Polytice load from others 1) Polytice load produced	di	kg day	12.2%	12.2%	12.2%0	12.289	12,280	12.280		1
2) Flow-out ratio	r3 t-1		0.05	0.05	0.05	0.05	0.05	0.05		1
3) Flore-down ratio	31-2	1 - 1	0.5	0.5	0.5	0.5	0.5	0.5		1
6) Rue-off ratio 5) Rue-off publishe toud	(3) ((3)-1):(3)-2) (04-4) ((4)	àg day	6 n25	6625 307	0.625 302	0.025 307	0.025 307	0.015 307		1
of state or, province space		ay cay	~′i	307	30.7	30.7	, su	~1		1
I. Water quality at control point	1				[					1
Water quality monitored	1		ار. ا	• •	ا ا			ا ِ ا		Į.
	1	et,	3.5	3.8	11.9	3.4	7,7	1.5	5.1	ì
D1994 214 september 1993 1996)		1 1			l i		1	į !		1
D1994 23Aversgr(1992-1996) 33Median(1992-1996)										
2)Average(1792-1996) 3)Mediae(1992-1996) Republiof colorisation										J
2)Average(1792-1996)	L=L0=De+3d+Ad+0d	lg day m3 s	39,193 58,2	28.54.3 59.2	33.930 55.2	28.224 58.2	27.254 58.2	27,245 56,2	30,740 58.5	

Table-2(4) Caluculation of Water Quality (BOD) at Padangan Bridge (2020; without project)

Berns  1801ka kad Bod kotorska EWiser gadin al Botor Tankingar (180)	Whier Quality (2			56. 1.9.	hog 43	65	49	37	Eng ( †Se	۱ 🚜
2:Waster Boss of Retro 7 archanges	(0	O. 13	78.5 17.172	76	75.7	162 927	169	12 6 2 9 W	1	
DIP off pion had finer upstream  4) Run off p. Totan load finer upstream	היטילה היטילה	\$2 41) 12 41)	6.55	12.759 5.05e	12.276	3,545	2,015	170		
Unities had from sub beste						1				
u tertik wysie wolet	}									
ATPUBLISHED No. (S.A. No. (a. 50%)  1) Published York produced	<b>a</b> 3	34.70	542	642	942	642	6-C	6-C	-	
2) Flore and reco 3) Flore distance to a	d 1 d 2		0 %	0.9	0.0	99	0.9	99 99	1	
4) இம் விரைம்	d (d-ted-2) Dissipat	kg 51;	6 9: \$20	9.5: 5%	0.5: 520	08: 520	0.50 330	53		
5) Russ off politicum load: A3 Politicion load (Sub-Sus-BSS4)	[ · · ·	1 1	- 1	- 1		- 1				
<ol> <li>Futbusine lead graduated</li> <li>Flore and ratio</li> </ol>	2-1	ka des	1.34	1.7.0	1,00	0.5	0.5	1.7xt		
Ti Film dina nelo	(0.2 (0.00 tubb)	1	0.05	001 0001	01	0 t 0 0.5	005	0 i	- 1	
4) Burn off జమం 5) Burn off జయియాగా సింది	\$2 - x2 x r2	13 14	3.5	3.5	15	11.	85	4.5	1	
A3 Published Red (Sub-bases \$505)  3) Politimas lead produced	a a	ks day	654	655	653	605	653	655		
3) Fix ou may	0 : 0 2	1:1	6.7 6.3	٥٦ ده	0.7	6.7 0.3	0.7 0.3	0.7 <b>5</b> .3		
3) Flore divine ratio 4: Burn off ratio	e3 (c3 (+:3-2)		631	9.24	0.21	0.21	0.21	6.21	- 1	
Syllum off potation head. A R Potation head (Sub-basic BSO6)	D9 - 10 t 13	A 2 243	(3)	138	(38)	1,20	138	130		
1) Publication kind produced	<u> </u>	ta as	44è	444 02	\$-24- C 3	6.25 6.3	\$46. D3	846 0.5		
2) Film out take 3) Film disho take	74 2 74 2	1:1	9.7	47	0.7	67	0.7	0.7		
d) Run off mile S) Run-off pullstom load	ले (व्हें रेशके हैं) क्रिके क्रिके ले	ارينيا	0.5n	05e 20	\$ 50 250	0.56 250	0.56 250	0 % 2%		
AS Publicuse food (Sub-basin B SO?)	1	1 1	- 1	- 1	,	1	20	25		
<ol> <li>Full-mass and produced</li> <li>Filter and task</li> </ol>	41	14 (1)	0.9	2) 0.9	0.9	49	6.9	69	- 1	
h) Fore down ratio 6) Run off muse	52 53(5453)	:	09 CS:	99 95:	6 9 6 5:	9.9 9.51	0.9 0.91	6.9 8.8		
5) Run-off policities load	05-15-15	kg deg	50	53	57	59	59	90	ŀ	
A6 Publicum last (Sub-beam B5)(0) (1) Publicum last produced	<u>_</u>	18 327	1995	1,298	1 293	1,293	0.250	1,293	J	
2) Few-out ratio 3) Few-domination	nt.1		6.3 004	0.3 0.05	63 C 05	005	6.05	03 005	1	
4; Run-off rase	A-3 (A-7+A-2)	1 . 1	0.015	0.015	0.945	0.015	0.045	0.045		
Sy Bur-off politicon load A 7 Politic in Tong (Sub-Basin S.S. in	DX-84 10	kg Sag	13	19	19	19	19	(9)	- 1	
lip Politation load produced	A	in day	3.546 6.5	3.24c 0.5	1.240 0.5	3.245 0.5	3.2 K	32 <b>4</b> 5		
It Flow and ratio It Flow down ratio	0.2		0.2	43	e:	0.7	92	9.2	- 1	
ടു മഹത്ത് വർത 5: മുന്നുണ്ട് ഉത്തേഷ മാൽ	#7-3 (57-1);(7-2) (57-17); (7	1 de 200	0.1 325	01 335	Ø1 335	0 t 325	325	0 1 325	- 1	
All Politican land (Sub-Year # \$512)		1 1	500	5,548	5.95	5,588	5.94	5.560		
t) Polision land produced 2) Firm out asio	ā-1	1, 345	0.5	9.5	0.5	0.5	0.5	20		
J) Flow down tolo 8) Run-off tolo	6-2 #3 (#1 (s.d-3)	1:1	9:	02	0 2	0.2	01	0 2	-	
5) Run-off politation load	CK- PL &	tų day	5.54	5.99	359	55.	550	550		
A 9.Politican food (Sub-books B 5) (8) 1) Politican food produced	10	1:30	362	36	366	360	361	361	- }	
2) Flow cost ratio 3) Flow down ratio	6-1 6-2		0.5 0.7	0.5	0 2	9.8 6.7	87	0.2 0.7		
4. Rue off majo	A3 (19-24-9-2)		6.56	0.56	6.50	0.56 307	9.56 392	6.56 202	- 1	
Si Bur-off publishes head A 10 Pollucion haid (Sub basis B Si 4)	D2-12/19	hg day	202	302		1		l i	1	
<ul> <li>Pollution lead produced</li> <li>Flow-out rate</li> </ul>	19 /10-1	la des	\$.344 8.5	5,141 0.5		5.144 6.3	5,142 D.5	5344 03		
3) Flore diven ratio	110-2		0.7	6.2	0.	0.2	0.2	0.2		
€ Kun-off nato Sy Run-off goCution load	D:0-4:0: (1:10-2)	14 a.,	0 : 5:4:	0 t		0 13 514	s 4	514	- 1	
A11 Polisson had (Sub-basis B515) I) Polisson had profused	4:3	13 619		155	us	1,350	0.450	us	- 1	
Sprice and their	rt : t	•	0.2	6,7	6.7	0.7	0.7	9.7[		
3) Flore divine rates 4) Run-off rates	#1-2 #1-3@11 hett-25	1:	645	0.40	04	0.6 0.42	0.40	0.40		
St Rumott politicum tond AP2 Tond sun-off politicum build form domestic wiese wiser	Dite at tares Dangtown Dit	kg day kg day				3.155	3,(35)	484 3.455	- 1	
•		***						1	- 1	
I Infantria warie water B1 Politaton land form arajor graducers					1	l		1	- 1	
1) Polisies leaf produced Differ out rain	91 I	1440	ì	1 '	1 %	٩	ી	•		
3) Flore down cutio	d1 2	١.					J	ا	- 1	
© Rum-off asia 5) Rum-off pullation level	ती (हा स्टान्स्ती की) १८ - ठा कर्मा	144	1 0		3 1	0	9	ò		
3.) Pull stock from large and medium is the industries 1) Pull stock land produced.	52	وعانها	1	454	343	4,940	440	43.0		
2) Flow out majo	r1 2-8	1	C s	4	L 03	0.8]	OA!	0.6		
3) Flore down ratio 4) Rus off take	#2-2 #2 (r/2 (s#2-2)		9.			9.5	8.5 0.4	0.5  0.4	- 1	
5) Ran-off pollution load. B3 Followin load from small scale authorities	12-03-112	tą še				1,937	1,937	1.957	- 1	
1) Politica load professed	ษ	وث وه	201			1,028	133	103		
2) Fire out tale 3) Fire 4: we take	#3 t		0.2			9.5 9.5	0.5 0.5	0.5	ļ	
4; Rue-off rain	#3(#3-15:13-2) 13-13-13-1	1 -		. 0	4 04	0.4 4) t		0 4 4.1	1	
5) Run-off pollution load BAT out par-off pollution load from the visitation	64-11-52-13	iş de iş de				214	27.4	13.0	- [	
C.Agrirukarai poliutios bud			1	1	1			. 1	l	
Ct Polarion had from felds*  () Polarion had professor	el	1,	Ţ	1					ĺ	
2) Film out ratio	G(-)	ig de	Ί	1					- 1	
3) Flow down ratio 4) Ruti off acto	61-12 61-621-12-21-21		1	1	1				- [	
5; Run-off pellotion load C2 Polation load from treasloid	AT- clx (C)	12.4	1	1	1				i	
1) Politica load produced 2) Flore out to in	स द21	42.00	n.es c		(4 45.) (4 (1) (1)	493]4 93	49,14 0:	49J14	- 1	
3) Flore-down naio	C2 2	- 1	[ 0.	<u> </u>	وه إد	45	0.5	0.5		
4) Rue off ario 5) Rue off pullular land	63(62)(x63-7) A2- (1 x 62)	1974	249	6] Z-0	6 246	2456	24%	2.4%	l	
C3 Total nations put as in board from agriculture	AC-A3-A3	ig 4			(c. 24%			2,450	- 1	
Difficient sources		ŀ	1	1		1			ļ	
DI Policius loud from others 1) Policius loud graduend	a.	ig is	r. 36.44	0 36.4	e 3640	36,446	26,440	34.46	- 1	
2) Farm out ravio	en-			il I	1.1 O 1	0.1	6.3	61	ļ	
3) Firm down mas 4) Ren-off ratio	151-2 151 (131-12151-2)	1:		5 D		0.65	0.05	0.05		
5) Rue off pullicum tond	Ce- d1 x e31	122						0.5	- !	
IB.Water quality at control point			1	1	1	1	1	1	1	
E.Water quality moudered tyl:954		m-g.	,I,	. ا	نه اه	100	, ,,	,,	50	
f Scott of colorinies		1		t		i	1	10.957	14961	
1)Total ran-off pulse on load	しゃしへっこい・は・ハガ・				12.00 58 351				14.961	
2)Water flow 3)Water grafty	(c-1/2)	FLT							4.5	

Table-2(5) Caluculation of Water Quality (BOD) at Canggu Tambangan (2020 : without project)

like Th	7	soiles	14	Jei		5.5	- 531	**	Are (Fee)	75 - 13	3
Pulluting lead from updream	1										1
1)Water quality of Parlangue (990)	cs	2.63								Ì	1
2)Wister flow of Padingsan	ÇC	0.3%					_			·	П
3)Pediator load from upon an	F4-C5.400	kg duy	16.630	14,877		13,4%	117M	10,957 1,644	i		ı
4) Russoff poducios kiud facts operatus	[A-(0:Q6	h day	2.5%	2 232	3.30:	2 021	\$.769	1644			ı
L Politytion had from sub-basin	1		,					i			ļ
A Districtic waste water	1	1	i		ł I					ŀ	ì
A 1.Politation Ireal (Sub-Envir B619)		i i								i	1
1) Pultiring load produces	1	kg day	2:0	2.9	210	219	2.0	2.9			1
2) Flow out ratio	et 1	·	0.9	0.9		0.0					Т
3) Flow-down ratio	11-2	·	0.4	0.4		0.4		0.4			Т
4) Romaffication	r1 (rt-10:1-2)	1 1	0.36	836 70	0.16	ALC V		0.76	í	l	1
5) Rea off pollution lead	Di-st vel	پدگ و تا	79		} ~.		i n	, ·*	ĺ	Į.	Т
A2 Pullution lead (Sub-barra Bo29)	a2	Lg day	200	202	20:2	302	202	262	ļ .	ł	l
1) Pollutine lead produced 2) Piew-out rate	G-1	1 c day	0.2	0.9		D 9			ļ	i	1
3) Flow-down twice	63	l i l	0.4	6.4		0.4			l		-
4: Run off ratio	(2.00-197-2)	ΙÌΙ	6.36	0.36		0.36		0.36	Ì		-
5) Report pollution had	D2- a2 u r2	8 g Eag	73	13	13	73			i		-
All Ford non-off pollution lead from demonstration was water	D2-91-D2	k g day	153	152	152	1.52	132	153	ļ.		1
			:					ĺ		{	1
R. Industria waste water B1.Politation load from major professor.					l		1	I		1	ŀ
t) Pallating load produced	ы	ig day	30,379	30,279		20,279	20.278	30.7%		1	1
2) Flow out ratio	lata -	[ . ]	6.9	0.9	6.9	60	C.9	[ C.9	Ī		-1
3) Flow down catio	r31-2	·	0.4			0.4					-1
4) Run off rade	att (att-140)-()	• }	97.6	0.36		0.36			•	i	-1
S) Rus-off pollution load	12- bl a el l	Ly day	7.300	1,330	1,000	7_300	7.XX	1.000	1		ı
8.2.Follows lead from large and peakers wait indexions				l						ł	-1
1) Pollution lead produced	b2	ا دانا و ا	100			loc.				Ļ	ŀ
2) Flow out ratio	r12-1	'	0.0			0.9				i	1
3) Film dama ratio	r12-2	·	9.4							ł	- 1
4) Run-off ratio	(r)2 (r)2-1 (r)2-2) (12-62) r)2	I	0.36 36						1		- 1
5) Rue off pollution lead	12- 624 172	kg day	,,,,	1 ^	Ί ^	. ^	1 ^	1 ^	Ί		- 1
B3 Polision lead from small scale infestion  1) Politics lead produced	b3	kg day	21	. 2	2 :	21	2	. z			- 1
2) Flow-set calls	100.1	1	0.9								- 1
3) Per-skyn erio	103-2	Ι.	0.4							ļ	ı
4) Rep-off ratio	rt) (rt3-:xrt3-2)	١.	0.36	بده ا	0.34	0.34	0.34	6.30	5	1	ļ
5) Run off politicing lead	D-634-13	kgáfay		1 :	8 6	<u> </u>		6 <u> </u>	\$	1	1
B4. Total n. o-off pollution lead from the industries	18-4:412 <b>-13</b>	kgiday	7,573	7.57.	5 7,573	7,57	7,57.	3 7.57.	*	ľ	ł
C.Agricultural polistion for d			1	l		1	ļ.		1		١
C1 Polution load from fields*	1	1	i	)	ļ.		)				- 1
1) Polistica load product f	c)	kg day	ł	ı	1		1				- 1
2) Flow out rails	C1-1	l ·		l	1		1			l	- 1
3) Flow-down toda 4) Ren-off ratio	414 41(61:592(3)			l			1			Į.	- }
5) Rug-off politrius loud	A! = cla r21	15 24	J	l			1	į		1	j
C2 Polyting load from livestak		1.4.	i	ļ		ł	1	į .		1	1
1) Pollution load produced	<2	kg day									1
2) Flow-out ratio	r22-J	1 -	0.1								
3) Fire deve mis	/22-2	1 .	0.4								
4) Run-off rain	(22(-22-10/23-2)	1	0.04								
5) Run-off pollution lead C3 Total nun-off pollution lead from agricultum	A2+c1 x r22 A4+A1+A2	kg day								}	
C3 \$502 (40) Our postorious seed victor agriculture		1.3.00	} ``	1	1	1	1	1		1	- 1
D.Other soutes			l .			l	1	1	l .	1	-
DI Polytica load from others	dı	1	764	76	S 10	76	20	26	a		
I) Pollution lead produced	131-1	رىڭ ولا	0.1								
2) Flow-out cation 3) Flow-down cation	d1-2	1:	a.								
4) Rue-off ratio	(3) ((3)-1((3)-2)	1 :	0.0								
5) Rue-off polluties lead	Od-d11431	kg/day			6 3			c 3	c		
El Water or Etyrot er at al paint	i	1		1	1			1			
FILWetry quality at control point  E.Weter quality munitared		ļ	1	1	1	1	1	1	1	l	
1): 394	I	mgA.	3.	ه إه	.0 3	10	s 5	2 4	9 5	2 2	5.2
2)Average(1992-1996)		1 "	1	1	1	1	1	1	1		
3.3McGan(1992-1996)		i	1	1	1	1	1	i	1	1	
F Result of calculation	l	1	1	1	1	1	1	1	1	1	
()Total run-off politics load	F-50+06-R+74-09	kg-da									
2)Water Sow	Q	m3 v									93
	.lc-vo	4.7									

Note: Pullstion load from fields is included in other source

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Table-2(6) Caleculation of Water Quality (BOD) at Karangpilang (2020 : without project)

Items Ulfution had from upstream		n nites	<u>- )                                   </u>	<u>lei</u>	100	**	<u> </u>	- 1-2	(001 75	***
tpWater quility of Cargas Tamburgae (1900)	ന	mgt	- 1			1		-		
2)Water flow of Curigor Turnbongsto	Q0	mt s	£0.293	10.027	11.0V7	9:817	9.565	9,439		
3 (Pollutine load from upote am 4) Romoff pollutine load from upote am	ሴ-ርመርዕ (ሴ-ርመርዕ	k <sub>o</sub> day k <sub>o</sub> day	1545	1.504	1.5€-₹	1.423	1.435	1.416	-	
-	ļ -	`		l					1	
Pollotion had han sub-hain Bankalit waste water	1		1	- 1	1	- 1	ŧ	- 1		
A1 Pollution lend (Sub-basin Bn21)		i	- 1	- 1		- 1	- 1	- 1		
() Polluting load product	2]	1,4:5	48.5	493	485	45.5	483	485		
2) Flow out rate	rl-1 rl-2	l : i	0.9	0.0 0.2	0.9	0.0	0.2	0.9		
3) Flow down ratio 4) Run off ratio	ri (ri-tari-2)	:	0.18	0.18	0.18	0.18	ð i s	0.13	- 1	
5) Run-off pollution loud	Gt- ut sel	t c day	1.7	87	\$7	17	8.7	87	1	
A 2 Pollutive lead (Suh Sixia BAZZ)	i _									
1) Pullutine lead produced 2) Flow out ratio	201	k dev	1537	0.557	0.9	1,557 6.9	0.9	1_557		
3) Flow down sale	12.2	1 1	0.9	0.3	53	0.3	0.3	0.3		
4) Run-off ratio	r2 (r2-11/2-2)	.	0.27	0.27	0.27	0.27	0 27	0.27		
5) Run-off politice had	D2- 52 t t2	kg day	420	420]	420	420	430	430	l l	
A) Pollatine Red (Salvitas la BA23)  1) Pollatine lead perdured	13	ke day	626	626	626	626	636	626	1	
2) Flow-out ratio	10:1	1	0.9	0.9	0.9	0.9	6.9	6.9		
3) Flow down thin	9.5		0.5	9.5	0.5	6.5	0.5	0.5		
4) Run-off ratio	Ø (r3−1×r3−2)	l. : I	0.45	045	0.45	0.45	0.45	0.45		
5) Russ off production had A 4-Pollotion had (Sub-Sub a B624)	0)-2/10)	k; đạy	282	282	200	2*2	2×2	282		
1) Politation food produced	34	وبقودا	248	249	248	248	2.3	. 48	ı	
2) Flow out ratio	r <b>4</b> 1	1 - 1	0.6	٥٥	0.5	0.6	0.6	0.6	1	
3) Flow-down rule	(4.2		0.2	23	0.2	0.2 0.12	0.2	0.12		
4) Rusi off ratio 5) Rusi off pollution load	(4 (r4 1) (4 2) D4+ 54: (4	kg-day	9 12 30	0.12	0.12 30	30	30	30		
AS Patherine And (Sub-basin B630)		-***		- 1	1	- 1	- 1		l l	
() Pollution lead produced	15	k j. duy	1.605	1,505	1,605	1.605	1,525	1.605	İ	
2) Flow out ratio 3) Flow down ratio	61 62	:	0.5	0.3 0.2	0.3 0.2	0.3	0.2 0.2	0.5 0.2	1	
5) Filow down take 4) Run off palp	0-3 0-3 (0-100-2)	1:1	61	0.1	0.2	0.1	0.2	0.1		
5) Rup off pollution kind	[6-21.65	15.53×	161	16:	161	\$61	163	161		
A6-Polthrich load (Sub-basin B631)	1.		l							
Poliution lead produced     Plew-out ratio	.A 15-1	130.	248 0.7	349 6.7	2.48 0.7	243	248	249 0:7	<b>\</b>	
3) Flore down tools	(A)	1:1	0.3	0.3	5.3	ادة	0.7	63	1	
4) Rus-off ratio	(6-3 (16-24:6-2)		0.24	0.21	0.21	0:21	0.21	0.24		
S) Ruo off pollutice brad	C4- at to	kg day	52	52	52	52	52	52		
APP-Station lead (Sub-basis 8632)  1) Polistics lead produced	37	kg/day	\$12	B12	8:2	812	812	812		
2) Promout case	laa	ag cay	0.8	0.8	0.8	G.8	0.8	0.3	}	
3) Flow-dows ratio	17-2	١.	0.3	0.3	0.3	0.3	0.3	63	1	
4) Rea-off raic	27-3 (x7-1x(7-2)	1. :	0.4			0.34	0.24 195	0_4		
5) Rom-off politation lead  AS Total mas-off politation lead from domestic waste water.	D7= a*s s7 D4=D1+==07	kg day				1,727	1.227	195		
-		"	1	i	1				- 1	
Lindustria wose water				l		- 1	l l	ŀ	i	
B1.PoBation load from major produces  1) Pollution load produced	ы	k g du y	98,054	98,054	98,054	98,054	98.054	98.054	- 1	
7) Flow-out neio	614	1 -	0.8	0.3	0.8	0.8	0.8	0.5	- 1	
3) Flow down ratio	(ri1-2	i -	0.25			0.25	0.25	0.25	- 1	
4) Run-off ratio 5) Run-off pellution lead	eli (rit-turli-i) Li-di aril	1,60	0.2 19611			19.611	19.51	0.2 19.61:	- 1	
B2.Pollution lead from large and medium scale industries	1	1.000	1			(,,,,,,,		,,,,,,,	ı	
F) Pollution load produced	P.5	1 g day				4) 535	41.535	41.535	1	
2) Flow-out ratio	102-1		6.7 6.25	0.7	0.7	0.7	0.7 0.25	0.7		
3) Flow down main 4) Rus-off natio	(413-2 (413-(x43-3)	1:	0.25			0.25	0.18	0.25 0.18	- I	
5) Run-off podution lead	(2-55cm2	kg day				7.259	3 369	7,269	[	
B3 Pollution load from small scale industries			l	l		- 1	- 1		1	
1) Pollution load produced 2) Flore of entire	ა ი3-1	K5 44				6,5%6	6.5% 0.7	6.564	- 1	
2) Flore-out ratio 3) Flore-down ratio	113-2		0.7 0.25			0.7 0.25	0.25	0.25	- 1	
4) Run-off ratio	(13 (c)3-(5-13-2)	١.	0.18	0.11	0.13	0.18	0.13	G.18	- 1	
5) Rus-off pollution load Reference on off pollution by from the industries	13=83×783 1d=1: •12+83	kg day				1,153	1.153 28.032	1.153 26,032	ļ	
B4. Total ave-off poducion loss from the industries	10-11-12-13	hg (de)	7 ***	1 -***	28,932	28,032	28.932	20002	}	
C.Agricultural politation load	l .	1	Į.	1	1	ı i		1	1	
C) Polision load from Felds* () Polision load produced	c.	بالة ولا	j	1	1 1	1			I	
2) Flow out care	r21-3		1	1					- 1	
3) Flowdown ratio	121-2	-	1	1	1 1			i }	ł	
4) Run-off ratio 5) Run off pollution lead	(21 ((21-1x(21-2) A1-c(1x(2)	ag da	<sup>1</sup>	1				}	1	
C2 Polytion load from livestek	<u>l</u>	i	ļ	1	1		١.	Ì	- 1	
Politation lead produced     Plane out ratio	e2 #27-1	دورا	6.93			5,934 0.05	6.934 0.05	6,934 6,05	- 1	
2) Flow due ratio 3) Flow down ratio	727-1 723-2		0.0				0.05	0.2	- 1	
4) Run-off ratio	r23(r23-tur22-2)		0.0	1 0.0	0.51	0.01	¢.01	0.0	ı	
5) Ron-off pollution Rod	A2= c1 c r22	ىەي≢					69	59	- 1	
C3.Total mis-off poducion load from agriculture	Ad-At+A2	kg da	y 6	9 6	9 69	89	46	69	I	
D.Orber soures	1		1	1	1	i i	l	; I	I	
D) Polision lead from others	1.	-	1	1			l	J I	ł	
Pollution load produced     The Thomas I will a	d:	ke d							Į	
2) Flow-out ratio 3) Flow down ratio	(3)-1 (3):-2	1:	0.0						- 4	
4) Rue-off ratio	131 (131-1x131-2)		0.0	0.0	0.01	0.01	0.0	0.01	- 1	
Sy Run-off politising lead	Od= 61 a r33	kş d	y 15	16	)4∮ lG4	104	904	104	- 1	
III. Water quality of control point		- [	1	1	1	1	ŀ	l l	Į	
E.Water quality of confluend	l	-	1	1	1	1	l	1 [	į	
()1994	ļ	E-15	1 15.	7 61	J 412	14.0	7.5	2.9	11.3	
2)Average(1992-1996) 3:Section(1992-1996)	1		1	1	1	I	ł	}	1	
3/Nethan(1992-1990) F.Result of enhancion				1	1	l	l	1 1		
1)Total mayoff politica load	L-20-50-10-Ad-0								30.937	
	0	0.7	1 12	8 12	:R #2.6	12.5	121	12.6	12.5	l
2)Water flow									12 61	1

Table-2(7) Caluculation of Water Quality (BOD) at Ngagel (2020 : without project)

tem		unles .	1.04	1.2.	-E	×=-[-	.55	5 Ta.	-720√ 28	25.4
Pullution food from up stream	~	B 2 3		1	- 1	١		ì	Į	
()When quicking of Karangpillans (1045)	8	m) s		İ	- 1		- 1			
2 (Waser Bow of K జాజాప్రాగిమ్మా 3 స్టోంకెండింగ్ సింద్ కూడా జిల్లానా మా	(e-co/ce	114	30 475	30.936	3:000	30.904	30 \$66	30 947	- 1	
4) Rog off pollution kind from upon an	co-corce	3 34	4.6-45	4.5-10	4.55%	3.6.%	4.5 Y	4.527	- 1	
The state of the s	i ,	- 1				- 1		1	- 1	
Politotics lead from sub-backs				1		-		i	1	
Nomestie waste water			- 1	ŀ		- 1			- 1	
At Publication (Sub-Surin BSK)	l., l	وبالاتها	150	0.513	150	1511	15:1	(51)		
t) Politicise lead produced	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0.9	C.9	0.9	6.9	0.9	0.9		
2) Flow our calo 3) Flow-down nato	r1-2	.	0.4	0.4	C 4	0.4	0.1	0.4		
4) Rue off estic	et (et-twet-2)	-	0.36	0.36	0.36	9.34	0.36	0.36	- 1	
5) Run-off pollution level	Dissisel	s de	543	544	544	544	\$44	544	1	
Al Pollutine Load (Sub-hasia Bést)	}	- 1	- 1				1			
t) Parlutice load produced	e	1200	427	427	427	427	627	427		
Zi Flow out ratio	24	· [	0.6	G.5	0.65	0.6	6 é	0.6		
3) Flow down suice	/r2-2		0.12	D 2	0.7 0.12	012	0.12	0.12	- [	
4) Rus-alt noin	n2(d-14d-2)		54	51 51	St	s.	5:	52	- 1	
Si Russ off pollotice Lod	D2- 52 kr2	kg 44	"	~1	- 1	- "[	- 1	- "	- 1	
ADPullyting bad (Sub-Natio B542)		kg/day	1.857	1.657	1.367	1.85	1.847	1.957		
s) Politics lead preduced 21 Fice out raid	ů:	****	0.7	0.7	0.7	0.7	9.7	0.7		
3) Flow down catio	a-2		0.3	0.3	0.3	0.3	0.3	0.3		
4) Run-off ratio	(3 ((3-1x/3-2)		0.21	0.25	0.26	0.25	0.24	0.21		
5) Run-off pollution load	03- a) a r)	t g day	392	393	390	393	342	362	i	
A4.Polistics Read (Sub-basics B643)			}		1	_ [			1	
1) Polluline load produced	34 4	وبلاونا	8,921	5.921	8,921	8,921	1,921	8.621	- 1	
2) Flow-out railo	r <b>‡</b> 1	[ · [	0.9	0.9	2.9	6.9	0.9	0.9	- 1	
3) Flow down ratio	:42	·	0.4	0.4	0.4	0.3	0.4 0.3e	0.4 0.36	- 1	
4) Run-off ratio	(4 (p4 1xr4 2)		0.36	0.36] 3.212	0.36 3.212	3.242	3.212	3.212	ļ	
Sylicaroff pollution food	D-G 3-2x 74	K2 ->)	3.212	3212	9,212	224.2	94,94	7-11	ı	
A5.Pollution bad (Sub-barin B644)	ıs.	Re/Big	4313	43(3	4313	4313	4.343	4313	1	
t) Pullution had produced	15.1	1000	0.9	0.9	0.9	6.0	0.9	0.9	- 1	
වු විටියා-යට පත් ව 3) විටියා-ස්ථාන පත්ව	B2	, . l	0.7	0.7	0.7	0.7	0.7	0.7	- 1	
4) Run-off callo	(5-3 ((5-1)-(5-2)	- 1	0.63	C.63	0.63	0.63	0.63	0.63	L	
5) Rup-off pollution lead	05-254-5	ودائرونا	2.717	2,717	2,747	2.717	2.71	2.717	- i	
AS Tited mo-off pollution lead from done-tic worte woter	DG-D1+D2+D1+D4+D1		6.915	6.916	6.9.6	6.916	6,516	6.9.6	- 1	
70 11-1 11-1 11-1 11-1 11-1 11-1 11-1 11	1				- 1		]			
Industria waste water		ł I		1	1			l l		
B) Pollyting lead from major producers		1 I	!							
1) Pollutine load produced	b!	kg đay	4,948	4,948	4,948	4,919	4.948	0.9		
2) Province ratio	rti-i	l • l	0.3	0.9	0.9	0.9 0.4	0.4	0.4	1	
3) Flow-down ratio	rt1-2	^	0.4	0.4		0.36	036	0.16		
4) Rue-off ratio	rtt (rt i-!xrl 1-f)	I I	0.36	036	0.36	1.78:	1.763	1,781		
5) Run-off polistion load	(1-b) x ()	ig day	1.781	1,781	3.76%	1.70.	1.77	•,,,•1		
B2.Pulletion load from large and medium scale industries	62	ha day	27,476	27,476	27.476	27,476	27,476	27,476		
Politica load produced	02-1		0.7	0.7	0.7	0.7	0.7	0.7	- 1	
2) Flow out ratio 3) Flow down catio	032		0.4	0.4		0.4	0.4	0.8		
4) Run-off ratio	/12 (rt3-1xe12-3)	1	0.28	6.28		0.26	0.28	0.28		
5) Run-off pollution load	12-50x r12	kg day	7.693	7,693	7,693	7,673	7,693	7 693		
83 Pollution load from small scale industries		1 1	1 1		1 1		1	- 1		
t) Politaion toad produced	ស	Rg day	4,551	4,852		4,651	4,851	4.B51	1	
2) Flow out ratio	rt3-1	- 1	0.7	0.7		0.7	0.7	0.7	1	
3) Fire-down ratio	rt3-2		0.4	0.4		0.4	0.4	0.4		
4) Rus-off exic	r03 (rt3-1 tr t3-2)	1 !	0.29	9.28		978	0.26	0.78		
5) Rose off pollution load	D-13 tr10	kg day	1358	1.336		1.358 10.833	1,358] 30,833	10 333	- 1	
Ballout ren off pollution load from the industries	94-81 -22 -L3	kş d≘y	10,823	10.433	10,835	(0.833	100,000	10 203	ı	
A - N. D D - Brates Board	1	E			1				- 1	
Agricultural polistics load C1 Politics test from fields*	1	1	1	1	1					
1) Politica load produced	çi	1 de	1	l	1 1	Į l		1		
2) Flow out ratio	r21-1	1 .		l				1	ı	
3) Flow down ratio	41.2 -21.44 (1.44.2)	1:		l	1	i		) I	ŀ	
4) Rus-off ratio	(2) ((0)-(4/2)-2) Al- clx (2)	\$ g day	Į .	[	ţ .	1			- 1	
5) Run-off pollution load (2) Polytion load from livestok		1	l	1	1	1			- 1	
() Politrins load produced	c2	رىدە يە	2.203	2 203		2 200		2.203	-	
2) Flaw-out ratio	122-1	1 ' '	0.05	0.03	0.05	0.25	0.05			
	r2?-2	1 .	0.4			0.4	0.4			
3) Flow does natio	r22(r22-14r22-2)	1. :	200			0.02	0.02	0.02	ŀ	
3) Flow-down maio 4) Rep-off maio		ke day	44			44	44	44	į	
4) Rep-off ratio 5) Rep-off pollution land	A2- +1 ± r22	,		· 1 +		4-1	41	4-1	- 1	
≼) Rep⊷aff ratio		kg day	-	1	<b>"</b>					
4) Rep-off ratio 5) Rep-off poblation lead C3.Total nan-off poblation lead from agriculture	A2- +1 ± r22	kg day	-	1						
4) Rob-off ratio 5) Reb-off published load C3.Total no. off published from agriculture 2. Other sources	A2- +1 ± r22	kg day					ļ			
4) Rossoff ratio (3) Ressoff published load (C.T.cad not off published had from agriculture (2) Other source (1) Polytion load from others	A2- +1 ± r22	kg day				5 475	5,435	3,405		
4) Rossoff ratio 5) Reseaf publisher lead CS.Total run off publisher lead CS.Total run off publisher lead from agriculture 1. Other sources O1 Publisher lead from others 1) Publisher lead produced	A2+ (1 tt r22 Ad+A1+A2 di	kg day	5,435	5,43	S 5.475					
4) Rossell poblatina load  2) Ressell poblatina load  CATesti no off publishe load from agriculture  2) Other source  Of Poletion load from others  1) Polition load from others  3) Polition load from others  3) Polition load from others  3) Polition load from others  3) Polition load from others  3) Polition load from others  3) Polition load from others  4) Polition load from others  4) Polition load from others  5) Polition load from others  5) Polition load from others  6) Polition load from others  6) Polition load from others  6) Polition load from others  6) Political load from others  7) Political load from others  8) Political load from others  8) Political load from others  8) Political load from others  8) Political load from others  9) Political load from others  1) Political load fro	A2-01 1 r22 A4-A1+A2 d1 r30-1	kg day		5,42° 000	S \$.435 5 0.05	0.03	0.05			
4) Record ratio 5) Record publisher lead CR.Fotal run off publisher had from agriculture 1. Other sources O Polishing load from others 1) Polishing load from others 2) Polishing load grouped 3) Flow-out ratio 3) Flow-out ratio	A2-71 # r22 Ad-A1+A2 di r30-1 r30-2	kg day	5,435 005	5,42 00:	S \$.435 5 0.05 4 0.4	0.03 0.1 00:2	0.05 0.4 0.02	0.65 0.4		
4) Rosed ratio 5) Resed poblatina load C3.Test most published tone C3.Test most published from agriculture 0.Other source O1 Publishe load from others 1) Pallatine load from others 2) Political load from others 3) Flow-down salid 3) Flow-down salid 4) Russell Casio 4) Russell Casio	A2-01 1 r22 A4-A1+A2 d1 r30-1	kg day	5,435 9-05 0-4 9-02	5,43 00 0 0	S \$435 5 005 4 0.4 2 0.00	0.03 0.1 0.02	0.05 0.4 0.02	0.65 0.4		
4) Rossoff ratio 5) Resould publisher load CS.Total run off publisher load CS.Total run off publisher had from agriculture  1. Other sources OI Polishine load from others 1) Polishine load groduced 3) Flow-out ratio 3) Flow-out ratio 3) Flow-out ratio	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kg day	5,435 9-05 0-4 9-02	5,43 00 0 0	S \$435 5 005 4 0.4 2 0.00	0.03 0.1 00:2	0.05 0.4 0.02	0.05 0.4 0.02		
4) Roy-off ratio 5) Res-off pollutina lead C3. Test an off pollutina lead C3. Test an off pollutina lead from agriculture 2. Other source (1) Pollutina lead from others 1) Pollutina lead produced 3) Flow-ost ratio 3) Flow-ost ratio 4) Ray-off ratio 5) Run-off pollution lead 5) Run-off pollution lead	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kg day	5,435 9-05 0-4 9-02	5,43 00 0 0	S \$435 5 005 4 0.4 2 0.00	0.03 0.1 00:2	0.05 0.4 0.02	0.05 0.4 0.02		
4) Roped Train 5) Resembly Debution found Ch. Total non-off pollection found from agriculture D. Orther sources Of Debution load from others () Pollection load from others () Pollection load from others 3) Provedure taken 3) Flow-others ratio 4) Rus-off ratio 5) Rus-off ratio 5) Rus-off ratio (	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kg day kg day kg day	5,435 905 0.4 9.02 105	5.43 00: 0: 00: 00:	S \$,435 5 805 4 0.4 2 805 9 109	0.03 0.4 002 109	0.45 0.4 0.00 10%	0.65 0.4 0.03 109		
4) Roped Taxio 5) Resed published lead Ch.Total non-off polletion lead from agriculture D. Other sources Of Poletion load from others () Polletion load from others () Polletion load from others 3) Proveduct ratio 3) Proveduct ratio 4) Run-off ratio 5) Run-off ratio 5) Run-off ratio Fill Weler quality at constrol polut E. Weler quality at constrol polut E. Weler quality and constrol politic politic politic politic politic p	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kg day	5,435 905 0.4 9.02 105	5.43 00: 0: 00: 00:	S \$,435 5 805 4 0.4 2 805 9 109	0.03 0.4 002 109	0.05 0.4 0.00 10%	0.65 0.4 0.03 109	7.3	
4) Rossoff ratio 5) Resold published lead C3. Total run off published had from agriculture D. Orther sources O. Debics load from others 1) Politicism load from others 1) Politicism load from others 1) Politicism load profilered 1) Flow-ode ratio 3) Flow-ode ratio 4) Run-off ratio 5) Run-off published load  III. Water quality at control point E. Water quality at control point E. Water quality at control point E. Water quality anonisored 1) 1994 2) Accessor(1992-1996)	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kg day kg day kg day	5,435 905 0.4 9.02 105	5.43 00: 0: 00: 00:	S \$,435 5 805 4 0.4 2 805 9 109	0.03 0.4 002 109	0.45 0.4 0.00 10%	0.65 0.4 0.03 109	7.5	
4) Rossell ratio 5) Ressell published load C3. Test no self published had from agriculture D. Other source OI Polished load from others 1) Polished load from others 1) Polished load produced 2) Powsel ratio 3) Powselved ratio 4) Russell ratio 5) Russell ratio 5) Russell ratio 6) Russell ratio 6) Russell ratio 6) Russell ratio 7) Russell ratio 8) Russell polished load E. Water quality at constroit polish E. Water quality at constroit polish E. Water quality at constroit polish 2) Accessing (1992-1996) 3) Refer (1992-1996)	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kg day kg day kg day	5,435 905 0.4 9.02 105	5.43 00: 0: 00: 00:	S \$,435 5 805 4 0.4 2 805 9 109	0.03 0.4 002 109	0.45 0.4 0.00 10%	0.65 0.4 0.03 109	7.3	
4) Rossoft ratio 5) Resold published lead C3. Total one off published head from agriculture D. Other sources O! Postedon load from others 1) Rations load from others 1) Rations load produced 1) Rice-out ratio 3) Rice-off ratio 4) Rus-off ratio 5) Rus-off posterior load III. Water quality at constrot point LW ater quality at constrot point 1) 1994 2) New ratio (1992-1996) 3) Medical (1992-1996) 6 Result of authorish	A2-c1 a r22 A4-A1-A2 d1 d1-d2-d3-d3-d3-d3-d3-d3-d3-d3-d3-d3-d3-d3-d3-	kgiday kgiday kgiday mgT	5,435 9-05 0.4 9.02 105	5,43 0 0 0 0 10	S \$435 5 005 4 0.4 2 0.02 9 100	0.05 0.4 0.03 109	0.45 0.4 0.02 10%	065 04 002 129 53		
4) Rose of rate 5) Rese of pollution lead C3. Estal nan off pollution lead from agriculture D. Other sources O! Pollution lead from others 1) Pollution lead from others 1) Pollution lead produced 2) Proceeds ratio 3) Proceeds ratio 4) Rusself ratio 5) Rusself ratio (Husself ratio 5) Rusself ratio (Husself ratio 5) Rusself ratio (Husself ratio 5) Rusself ratio (Husself ratio 5) Rusself ratio (Husself ratio) (Hus	A2-c11/22 Ad-A1-A2 di di- di-2 di-2 di-(di-(ud-2)	kgiday kgiday kgiday mgT	5,435 9,035 0.4 9,022 105	5,43 000 00 00 10	5 \$.435 5 #05 4 0.4 2 0.09 9 809	0.05 0.4 0.02 109 9.1	0.45 0.4 0.00 106 73	0.65 0.4 0.02 129 5.3	7.3 22.542 12.8	

Note: \*Politica food from fields is included in other source

Table-2(8) Calaculation of Water Quality (BOD) at Kayoon (2020 : without project)

Dr.S.		unies !	1.15.	La	Acr.	30.0	541	No.	<u>c(Pol. 25</u>	ΨY
Pollution ked from opstruam			1	i	- 1	ŀ		1		
L/Water quality of Jetis Bridge (4100)	[CS ]	F3.0		- 1	í	- 1			ì	
2)Water flow of Jeta Badge	(Cc	47.1		ļ	4	1				
3 Pollution lead from upstrare	ra-cardo	1500	77 548	22.540	22.566	22.53	27.532	22.529	ļ	
4) Russ off pollution lead from upon in	ro-unda	1 32	45;0	4,508	4,543	4,507	4.50%	4,506]	1	
Pulletion feed from with the Sin		li				- 1	•		- 1	
Demestic nade nater	1		•		i		- 1			
A1.Follotine knd (Sub-barin B645)	i		- 1		i	Į	- 1			
I) Polluting Red produced	si	1500	120	1 213	1.213	1.213	1 213	1 213	ŀ	
2) Flow out take	la i	1 ". " I	0.9	0.9	8.0	0.0	0.9	0.9	į.	
3) Flow-down ratio	6.2	i . I	0.4	0.4	6.4	0.4	0.4	0.4	i	
	el (el-fael-2)	1 1	0.36	0.36	0.36	0.36	0.36	0.36	- 1	
4) Run off rails	Dis al s el	1	437	437	437	437	401	437		
5) Run वर्षि प्रतीक्षांतक रिवर्ज	Di- 21 K FI	kg day	~~1	• •		~1	~ 1	~		
A 3.Politicina linud (Sub-Burio BS-15)	1.	I I			6,900	U809	1,809	1,60%		
I) Polivine loid produkt	<u> </u>	ردگ عا	1,3.9	1 8/9		0.9	0.9	0.9	- 1	
29 Flave out cario	12-1	! ·	98	0.9	6.9					
3) Flow-down ratio	6.2	i · l	0.6	0.6	9.6	0.6	0.6	0.6	1	
4) Rus-off mia	(0.90-1NO-3)	·	0.54	0.54	0.54	0.54	0.54	0.54	1	
Si Ruo-off politicies food	D2+32 c t2	kg day	917	9:7	9,7	977	977	977	- 1	
At ford nanoff policion had form describe water water	04-04-00	ke day	1.434	1.424	(,414	1.414	1,414	L414		
Lindustria made mater	1		1				i			
Bi. Palloting lead from makin producers	1	ş l			1		!!!	}	- 1	
Pullutica load team major processors  1) Pullutica load produced	ы	kg day	ام ،	0	ı a	la	, ,	o.	Į.	
	a)	1 ****	! ไ	•	ı ĭ	ı ĭ	, "]	1	ł	
2) Row out paid		'						i ]		
3) Ruw-dawa polic	r11-2	'	ائے ا	_	ا ا		ا ا		ı	
4) Roa off care	rit(at-bett4)	1 1	0	e	_	, ,		اة		
S) Rua off produces tout	lt=bl x rll	Ag day	٥	0	l P	٩	۱۹	I Y	- 1	
B2 Pollution load from large and medium scale indestries	1	į I	<b> </b>		J	l l		اا	- 1	
1) Politation lead produced	h2	146.47	3,705	3.705		3,705	3,705		1	
2) Flow-out ratio	#2-L	-	0.0	0.4		Ð.0	0.9	0.9	3	
3) Flow down ratio	02-2	-	0.5]	0.5		0.5	0.5	0.5	1	
4) Ran-off ratio	r12 (r12-tur12-2)	.	0.45	0.45	0.45	0.45	0.45	0.45		
5) Run-pill pollution load	12-12: 12:	\$ g 35 y		1.667	1.667	1 6e7	1,667	1,667		
B3 Polluting lead from small unde industries	1	1			1	•	1	j l	I	
<ul> <li>b) Politing that from that the mentiones</li> <li>c) Politing lead products</li> </ul>	h3	ligiday.	580	5%	580	580	580	580	1	
	ri3-1	1.0	0.9	0.5			0.9		- 1	
2) Flow-out ratio	163-2	1 ' 1		65				0.5	1	
3) Flow-down ratio			95			0.0	0.45		- 1	
4) Ruo-off ratio	c(3 (rt3-) cr(3-2)	1	0.45	0.41					- 1	
5) Ruo-off pollution load	D-53x/13	Ag in	100	261				261		
BATteral run off policition total from the industries	65-813-13	kg d∟y	1,928	1,925	6,925	1,926	1,928	1,928	- 1	
C.Agricultural pollution load	1		1	l				l 1	- 1	
C) Polytice load from bolds*				•				j 1	- 1	
1) Politation load produced	ct	Le usy	1 1	ì				1 1	- 1	
2) Flow-cut ratio	r21-1	-	l I		1	1		1 1	- 1	
3) Flow-Bows ratio	r21-2	1 .			1	ţ	ļ		- 1	
4) Ran-off exto	65 (21-15-21-2)	1	1		1	I		1 1	- 1	
5) Run-off policities load	Al-cher21	kg/day	1 1	ł	1	1	ı	1 1	J	
C2 Polistice load from livestek		1 .	1 3	l	1 .		Ι.			
Pothetice load produced	r2	kg do	92	9					- 1	
2) Flow-out ratio	62-1	-	0.05						- 1	
3) Flow-down ratio	C2-2	1 -	0.5						ļ	
4) Run-off ratio	(22(/22-14/22-2)	-	0.025		0.00	0.02	0.02	5 0.025	j	
5) Rug-off polition load	A2- c1 x r22	ing day	.l 2	1	2	<b>2</b> [ :	ត់ :	의 2	- 1	
C) Total non-off pollution load from agriculture	Ad-A1+A2	kg đay			2	4 :	1	7 7	- 1	
D.Other assess		1	Į.		1	1		1 1		
D1 Palation load from others	1		1	1	1	1	1	1	ļ	
I) Pullation knd produced	dı.	Lg day	580	5 1	ol 58	ી 58	. ss	0 580	į.	
2) Flow-out twio	ā::1	1	0.05				0.0	0.05		
3) Flow down rate	81-2	1	0.5							
4) Run-offinatio	Ø1(Ø:45Ø1/2)	1	0.035						1	
	06-611-61	1			5 002				- 1	
5) Proporti politicing lead	08-611-01	kg da	i "	Ί '	1 '	1 '	Ί,	1 "1		
ID Water quality at quatrul point		1	1		1	1			į	
E.Water quakty monitored		1	1	ŧ.	1	.1		L	این	
I)1994		ரிகள்	1	1	6	2)	1	† I	6.2	
2)Average(1992-1996)		1		1	l l	1	1		i	
3)Me5ian(1942-1796)	Į.	1	1	1	1	1	1	1 1		
F. Rrush of calculation	1		Į.	1	1	<b>,</b>	l	1 1	İ	
1) Total rep-off polution load	L-LO+Dd+ld+Ad+Od	i g da	7.56	3.54	7.57	2 7,86	6 7.86	3 7,864	7.867	
2) Water Gew	Q			ţ			Į.	1 1	8.1	

Table-2(9) Caluculation of Water Quality (BOD) at Pelayaran (2020; without project)

Br.Es	]	unitry	14.54	31	_A/s	_\``i	Gr.		5:4:00)	15 T.V.
Follotion lead from upstream	1	I 1					- 7			
plymater decays, of company of some energy	co	նչո			25.0	i				
देशभी जाता विस्ता की सुरक्षित की भक्त मार कर है	60	0.3%			6.0	- 1	l			
3)PuBution had from upour as	ומ-כמילס	Dy doγ			11.070	- 1				
4) Run-off pollution load ferm systems	Eu-Curde	hg day			254	- 1	ŀ			
l Folksion bod Dum arbitasin				Į						•
LDomestic wase water		} I	- 1			- 1				Į .
A LiP of lational load		1 1	- 1	1	1	1				
t) Polivière loud produced	2;	12/11/	114	114	114	Haj	114	1:5	í	ļ
2) Flore out paid	ES 1	-	0.5	0.9	C.9	0.9	G.9	0.9		
3) Flow down size	r:-2	I - I	0.2	0.2	0.3	0.2	0.3	0.2		
बा, से. क की प्रश्लेत	v1 (r3- (n:3-2)	1 • 1	0.18	<b>♦</b>  8	9 13	0 18	D 16	0 13		
5) Run-off p-Eurice keel	Dinal est	رث و ا	- 20	21	5)		24	21		
A2 Final remail pollution lend from democile where were	Dd-Di	13:34	24	21	20	24	2:	21		
i Industria wa de weter		ΙI	- 1			i	1			
B). Pollution lead from major producers		l I				- 1	1			
1) Pollution lead produced	61	Raido,	430,500]	430,500	436,500	400,500	430,500	420,500	Ì	l
2) Flow-out ratio	d1-1		0.9]	0.9	6.9	6.0	0.9	0.9	[	l
3) Firm down ratio	:11-2	1 . 1	0.02	0.02	0.00	0.00	000	0.02	Ì	Į.
4) Rue-off ratio	(i) (d)-(x) (d)	1 · I	0.018	0.018	0.61%	0.648	0.018	00:8	l	ŧ
5) Rum-off pollation lead	1:- bt reit	إمةوها	7 7 15	7,749	7.746	7,749	7,749	7,749	1	ì
PDP/Gution load from large and medium wate industries		]								1
1) Politican lead produced	152	إردةوها	20.5	265	315	305	2/5	24.5		i
2) Flow out prior	r12.3	1 - 1	0.5	G.4	0.9	0.91	9.0	0.9		l
3) Flow down ratio	713-2	1.1	0.2	0.2	0.1	0.2	0.2	0.2		l
4) Rubiofficatio	r12 (c12-1x/12-2)	.	5 (3	018	0.18	0.18	0.18	0 19	1	ŀ
5) Run off potation lead	12- 82s r12	3924	37	37	32	37	37	37		l
B3 Politation kind from small scale industries	1	1	i 'i	-	-	- 1		-		l
1) Pollution lead produced	63	1872	33	33	33	33	33	33		l
2) Flow out estio	63-1	""	0.9	c.s	6.9	6.9	0.9	6.9		l
3) Row-down para	63-2		0.2	9.2	0.1	ادة	0.3	0:	1	l
4) Rog-off ratio	(13-(r13-tar13-2)		0 18	0 18	Ð.IR	0.6	0.15	0.13		l
5) Rug-off pollution had	13-87413	kg day	1,21		6	اي ت		i ",	1	1
B4 Fold non-off pollution load from the industries	18-81412-83	Le day	7,192	7,790	1,790	7,792	7,792	3,793	1	l
C.Agricultural politation load		1 1			. 1	- 1				l
Ct Potation food face Gelds.*	1	1 1	1			- 1				1
1) Picturing lead produced	la	1g/Cay		1	i i	1				1
2) Flow-out catio	721-2				i					1
3) Flow-down ratio	+21-2	1 . 4						l		1
4) Run officiallo	(21 ((21-1)(21-2)	1								1
5) Resport pollution lead	At-rix (2)	kg day						ì	1	1
C2 Folution food form hyrutok									1	l
() Paffutic a load produced	c2	kg day	56	.54	56	56	Sn.	56		ŀ
2) Flow-out ratio	r22-1		0.2	0.2	0.2	0.2	0.3			t
3) Powidowa polo	43-3		0.2		0.2	0.2	5.3	0.3		•
4) Run-off cale	r22(r22-1xr22-2)	1 .	0.04	0.04	0.04	0.04	<b>0</b> C4	0.04	I.	1
<ol> <li>Run-off pollution lead</li> <li>C3. Fatal run-off pollution lead from agriculture</li> </ol>	A2- c1 x /22 A2-N1+A2	kg day kg day	1	- 2	2	2	2	2		1
	A. A. A. A. A. A. A. A. A. A. A. A. A. A	E-cry	1			[	) <sup>*</sup>		Ì	
D.Other source	1	1	[				I	ļ		ı
D4 Polation lead from others	1	1	<b>,</b>	l			i	ĺ		1
i) Polletion load produced	[di	ag day	113	143	£13	113	10			1
2) Flow out ratio	r31-1	1 .	02	0.2	0.2	0.2	0:	0.2		1
3) Flow down ratio	r31-2	· ·	0.2	02	0.2	0.2	0.2			1
4) Reb-off ratio	£1 (♂1-1x/3≀-2)	١.	0.34	0.04	0.04	0.04	0.04	0.04	ı]	1
5) Run-off privition lead	96-41 x t31	te day	5	5	S	5	3	i :	1	1
III. Welet quality at control point				ļ .					1	!
E. Water quality munitured		Į.		ŀ	)		l	I	1	į.
1)1964	i .	நார		l	12.9		l	I	12.	7
2)A+crage(1952-1996)		1	l i	i	, ,		Į.	ļ	1	Į.
3)Median(1993-1996)	1	1	1 1	l	) i	i	1	I	1	ł
F.Result of entuciation	1	1		ı			ļ	l	I	1
ಕ್ರಿಸ್ ಪ್ರತಿ ಸಾರ್ವಿಕ್ ಕ್ರಿಸ್ ಕ್ರಿಸ್ ಕ್ರಿಸ್ ಕ್ರಿಸ್ ಕ್ರಿಸ್	L-L0+Dd+12+Ad+06	kg'day	7,819	7.819		7,810	7,819	7.81		
2)Water Gow	Q	nJ.	ļ	l	3.2	i	į	l	3.	
3/Whiter quality	lesso	man.	1 1	1	20.2		1	1	29:	

New Pullwise leaf from fields is included at other source

Table-2(10) Caliculation of Water Quality (BOD) at Porong (2020 : without project)

Restre	- <del> </del>	unites .	3.4	<b>3</b> η).	Art 2	S-E	99: <del>   </del>	Ave	(free) 155V:
Pullotion lead from approxim	co .	கூரி	l l	- 1	I	ı			ı
<ol> <li>Water quality of antile of voice entit</li> <li>Water flow of intake of voice mand</li> </ol>	06	23.	ì	. !		l l			- 1
3) Politing leaf from upon an	ic-cno	ha day		•		- 1		i	- 1
4) Ren-off politics lead from upon an	10-0010	kg day						1	
4,444	1				1		ļ		
Publish had from whitesin	}	1 1	ļ		Į.		l		- (
Ocern sic waste water	1	1 1	- 1		ĺ	l l	- 1	- 1	i
All Politicion level	ol .	l I	36	38	3*	38	38	3×	
Pullution lead produced	rt-t	kş day	0.0	0.9	0.5	0.0	6.9	0.9	
2) Flow out calo 3) Flow down rate	0.2	·	0.3	0.8	0.5	0.5	0.8	0.5	
ay Filon -comp ratio ay Run-off ratio	el (el-15e) 2)	'	0.72	0.72	0.72	6.72	0.72	0.12	
5) Rup-off polision level	Di-atss	kg day	27	27	27	27	27	27	
A2 For all noting positions and force distincts we be write.	£6-51	ag day	27	27	27	27	27	27	1
•	ĺ			1		Ì		l l	
Industria waste water		1 1		l i	ļ			i	
B1 Pollution lead from trajet products	l <sub>b1</sub>	أردائها	٨		n n	ما	n		
t) Politrins lead produced	r(1-1		٦,	1	~ <u>*</u>	ๆ	ı,	ĭ	- 1
2) Flow-out ratio 33 Flow-down ratio	101-2		- 1	1	- 1	1	- 1		1
a) Region culo	#11(e11-1@12-1)	I . L	ol.	e	0	o.	ol	D	1
5) Run off pollution load	(1-51 ) (1)	kg day	ă	ā	Ď	9	ŏ	D	
B3 Pofferion knd from large and are dism scale indestruct	1	"	1	1	- 1		- 1	1	
1) Pollution load produced	63	Le day	68	68	68	68	68	68	
2) Flow out take	1024	". "	0.5	0.9	0,9	0.9	0.0	0.9	j j
3) Flow-down ratio	e12-2	i . I	0.8	6.6	0.8	0.8]	08	0.3	i
4 Ros off care	r12 (r12-14r12-2)	1 - 1	0.72	6.72	0.10	0.72	0.72	0.72	
5) Ran-off pollution load	12- 52c rt2	rg day	45	10	45/	49	49	49	
93 Pollution lead from small scale industries	1	1 1	1		- 1				
i) Follution lead produced	63	ودات عا	- 11	0	111	31	11	D.	l l
2) Flow-out ratio	r13-1	1 1	0.9	D-9	0.9	0.9	0.9	0.9	Ł
3) Flore dance ratio	r)3-3	1 - 1	0.8	O B	G.B.	0.8]	0.6	0.8	i
4) Run-off ratio	r)3 (r)3- (sr)3-2)	•	0.72	0.72	0.72	0.72	0.72	0.70	
5) Run-off pollution load	13-53(+13 16-1: +12+13	kg 3ay	\$ 57	8 37	37	57	57	8 52	
BATOLE manoE published head from the activities	NG-1: +12+13	a c day	"]	37	"	- 1	- '1	- 1	ļ
C.Agricultural politation load	į	k I		1	- 1	- {			1
Ct Polation lead from fields*	et	1 I				Ì			- 1
1) Politica lead produced 2) Flow out raio	[G)-)	42 044						- 1	- 1
33 Flow-down price	121-2	1 : 1					- 1	i	- 1
4) Rup of mi o	(2) ((2)-1)((2)-2)	1 . 1	- 1				1	1	- 1
5) Rea-off podution lead	At-clard)	kg day		- 1	- 1	Į			1
C2 Polision load from Eventok		1 i		Ĩ	- 1	í			i
L) Pollution lead produced	62	48 C13	19	19	10	19	19	19	- 1
2) Flow-out ratio	1021	1 • 1	0.2	0.2	0.2	0.2	0.2	0.2	- 1
3) Flow-Gows exic	03-3	1 . !	0.3	0.8	0.8	Ç.B	0.8	О.	1
4) Run-off callo	<22(r22-tm:22-2)	1 !	0.15	0.16	9.16	0.16	6 16	0.16	- 1
5) Rep-off pollution load C3:Fotal min-off pollution food from agricultum	A2-21 8402 A4-51-A2	kg day kg day	3.94 3.94	3.04 3.04	304] 304]	3.04 3.04	3.04 3.04	3.54 3.54	- 1
	1	[-,-,1			1	- 1	}		- 1
D-Other souces	1		J		- 1	- 1		i	
Di Polution Ired from others	I	1 [				اء,	.,	1	ŀ
1) Polistica kad produced	dt 61-1	kg (ta)	38 0.2	36 0.2	36	38	38	38 0.2	1
2) Flow-out mile	(51-1 (31-2	1 ' 1	0.8	0.2	0.2 0.8	0.2	0.2 0.5	0.2	1
3) Flow-down cuto  () Run-off ratio	#31-2 #31 (#31-1#/31-2)	[	Ð 16	0.16	0.16	0.16	0.16	0.16	1
6) නියද මේ ආවස්ත වියේ 5) නියද මේ ආවස්ත වියේ	Od-dt 2 (34	1200	6.00	6.00	6.3C	6.00	6.00	5 301	
	1				]	1	1	- 1	Į.
III.Weter quality at control point		1 1	1		Į		1	1	1
E. Water quality monitored		1	l	ļ		- 1			
1)2994	}	e_ 7		1	9.3	- 1			\د <b>و</b>
ZIA-empt(1990-1996)	i				- 1	- 1	ļ	- 1	- 1
3;Median(1992-1996)					ļ	- 1	ļ	- 1	- 1
F.Result of caluctation	L-LC-Dd-Id-Ad-Od	kg day	93	93	93	93	93	93	93
Lift staff mayoff polistics food 2 jW ster flow	Q	m3 s	"	**1	000	73	7.3	74	0.06
3/W see quality	Č-LO		ı .	1	13.0	- 1		- 1	186

Note: \*Polityting lead from fields is included in other sources

Table-3(1) Caluculation of Water Quality (BOD) at Benniayu Bridge (2020 : Cace-I)

	ion of Water Quality				- ·				andrae (i.e.)
Beins	T	03 C	nr -	22.	_*.s	->2	00	5 <u>14 - 1398,5</u>	0.51 75 - 12
ullution had from applicant	co	mg1	- 1						
Division quality 20% at an Gene	00	m3 s		- 1		1	i		L
Apollotion had from upstroom	Lo-conço	15.40	Į	Ì	- 1	i			
<ul> <li>ह्या स्थान-कार्ती कुल्लीवर्गनक केवली विकास कुल्लीवर नाम</li> </ul>	10	e de la constante de la consta	- 1	1	- 1	- 1	}		i
Pullution had from Ath-basin		- 1		- [		1			1
Description waste water	i l	- 1	- 1	- [				1	
At Pallutine lead (Sub-basin BOOK)	l., 1	ارية وا	897	897	87	9 / 7	6.42	997	
1) Putariou load produced	11.1	7.7	0.34	23	0.3	0.0	0.3	0.3	1
2) Flow mut make 3) Flow down make	lei-2	- L	0.1	0.1	6 (	0.1	0 :	0.1	1
aj Rus-off catio	el (et-lart-2)	·	0.33	0.03	0.03	0.03	0 03 27	0:03 22	
5; Burnoff parlation lead	(D) = a1 = r)	23.9	27	27	27	27	*1	•	- 1
A ! Patterion load (Sub-basin 8001)	<b>1.</b> ,	kg day	757	257	757	757	757	757	i
<ol> <li>Podućen losá produced</li> </ol>	21	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0.5	0.5	0.5	0.5	0.5	0.5	
2) Flore-doug ratio 3) Flore-doug ratio	-2.2		0 4	0.4	0.4	0.4	C 4	0.4	
4) Run The man	2 (62-1 (-2-2)	-	0.2	0.2	0.2	0.3	6.2	0.2	1
5) Run-off posturion knd	02- x2 x r3	12.20	(5:	151	151	15:	151	151	ì
A3 Pullation lead (Sub-basin B620)	1.		6226	8.50%	6.50	6 50%	6.500	6,509	- 1
1) Publishe Tead produced	2.	وده ع	07	0.7	0.7	0.7	0.7	0.7	- 1
2) Flow out ratio	(3-1 (3-2	i i l	0.3	0.3	0.3	0.3	0.3	0.3	1
3) Flow down (16)0 4) Run off colo	13 (13-1413-2)		0 %	0.21	0.21	0.21	0.21	D 21	
aj kun oki pano Sj Bun-off pollution inuž	03-a1 e r3	kg day	1.367	1.367	1.367	1.367	1.357	1.367	
A4.Polturios load (50b-basin 9021)	Į.				9,215	9.215	9.215	9215	ŀ
1) Polluting load produced	18	چنگ څه	9 2:5	9.215	9.215	9.213	9.713	07	•
2) Flow out neld	r+1 r+2		0.3	0.3	63	0.5	0.3	0.3	
3) Flow down mino	(4)(41042)	.	0.24	02:	0.21	0.21	0 2t	621	
ම Run-eff cade S) Run-eff උන්වාරයක් food	04-15474	ka day	1.935	1.935	1,935	1.035	1.935	1,935	l l
AS Pollution load (Sub basis B012)		1 1				, , , ,	3 022	,,,,,,	1
1) Pollotine Red proberd	ک	kg day	3.021	3,921 0.9	3.023	3.043	3.023	3,023 0,9	
2) Flow-cut ratio	(A)	1:1	64	38	0.3	0.8	0.1	0.8	
3) Flow drap rain	62 63(64)652)	1 . !	072	672	973	0.72	0.72	0.72	- 1
శి) Ruc-off ratio క్రి) Rug-off pollution సందే	05-25-0	ic ory	2.07	2 (77	2 177	2.177	2 177	2.177	- 1
A6 I red mouth pollution lead from demontic waste water	D2-01-D2-01-D4-01		5.557	5.657	5.657	5.657	5.657	5.657	
		1 1	ĺ		i				-
Industria waste water		t i	1			1			ì
B! Pollution lead from major produces: () Pollution lead produced	53	kş day	206	<b>Y</b> 6	378	200	266	206	
2) Flow-out ratio	c11-3	1 - 1	0.9	0.9	0.9	0.9	0.9	09	ļ
3) Flow-down ratio	513·2	1 . 1	0.3	0.5	0.5	0.5	0.45	0.45	ì
4) Rus-off ratio	ता (तानव्यन)	1	0 45 95	0 45 93			93	93	- 1
5) Run-off politation lead	11-51 1 11	he day	"	*5	i "	1 1	- 1	- "	!
B2 Pollution less from large and medium scale industries	162	ke day	14,230	14,220	14.220		14,226	14.230	
t) Podućen food produced 2) Flore out ratio	(12-1	1 - 1	67	07	07		0.7	0.7	- 1
3) Flow down ratio	r)2-2	i - 1	6.4	0.4			0.4	0.4	- 1
4) Ruc-off race	r12 (r12-1sr12-2)	1 1	D 28	0.28			5.26 3.982	3,992	l l
5; Rue-off pollution load	12-32-43	زنگ روه	3,952	3,983	3.5.	i ^~-1	J.#\$.	~~~	1
B) Pollution lead from small scale industries		ag day	3,432	3.43	3.40	3,430	3,402	1.02	
13 Pollution lead produced	b3 r13-1	1.5.27	6.7	93			0.7	6.7	
2) Flow -cut min	rt3-2		0.4	0 :		04	0.4	0.4	- 1
3) Faow-down raile 4) Ron-off raile	et3 (et3. fart3-2)		0.78	0.21			0.24	0.26	- 1
Si Run-off politice gold	G-63cri3	kg day	96:	96			961 5,035	961] 5.035[	- 1
B4 Ford num-off pollution total from the industries	M-0:+12+13	ka duv	5,035	5 533	5.0%	3.055	3,033	2331	l
C.Agricultural pullution land	1	l I			l	•	li		Ī
Ct Pointion load from Solds*		1			1	1	}		i
i) Pollution load produced	c1 121-1	No day	1		ĺ	1		ì	
2) Flow-out ratio 3) Flow-down ratio	121-2	:			1	1		- 1	ļ
3) F k/w -cow 6 f2010 4): Rus-coff 1500	(21 ((2)-3x(2)-2)	$\downarrow$	Į Į		1	1	; l	- 1	Ì
5) Run-off politation land	At-cit ill	Rg day	i Ì		1	1	<b>l</b> [	. 1	
C2 Politica lead from Event N	c2	triday	21.276	21,27	6 21.27	6 21 276	21.276	21.276	
1) Pollution load produced	122-1	1	9.1	0		1 61	0.1	1.0	
2) Flow-out ratio 3) Flow-down ratio	r22-2	١.	0.3	•	1 0			0.3	1
4) Ron-off ratio	v22(x22-1xx22-2)	1 -	003					0 C3	
5) Run-off pollution back	A3- c1 x r22	1 g day			8 6			438	
C3 Ford mo-off pollution load from agriculture	Ad-A1+A2	kg day	638	67	8 6	6,78		1	ļ
D. Prim sewes	1	1	1	Ì	1	1		i I	1
Of Political lend from others		I.	l		ا	.]	, ,,,,,	26.470	ĺ
1) Politation land produced	<b>51</b>	lų '±	30,630	36.63		11 0	36.626	36.526	
2) Flow-out ratio	(31-1	1:	0:			3 0			l l
3) Flow-down exilo	(31-2 (31 (63)-(63)-2)	1:	503					0.03	1
4) Run-off ratio 5) Run-off pullution load	Od- d1 = e31	kg/da				99 1,599	1.09	1,045	
		ŀ	ļ	ŀ	1	1	1	l Ì	
ELWater quality at control point	į.	1	1	1	1		1		1
E.Weter quality stomitored		2051	. 83		> s = 1	7 S B	4 72	7.5	8.2
1)1994 2)Aversge(1992-1996)		[	1			1	1	1 1	
3)Median(1992-1996)		- 1				1	1		1
F.Result of caludation	1		1	12.4	79 124	29 12.40	12.425	0 12.429	12.439
1) Total nun-off polution load	L-10-06-14-A6-0	d kg/da enka				20 10			10.0
2)Water flow	IQ .	σ,≽:							14 4
1)Water on 1814	(C-1/O	- m - 1	144		4.42	<u> </u>			

WQ-21

Table-3(2) Caluculation of Water Quality (BOD) at Demangan Bridge (2020 : Case-1)

liens	<b>∤</b>	2010 -	<u>Fa</u>	_ <u>1</u> ::	395	- ×v-	is:	No. Ayr.	\$Pod .28	2 V.d.
Distinct load it on up tream	Ια Ι	mg?	20	2.7	43	66	43		- 1	
(Water quistry of Locking Death (WC)	00	63.1	720	6.0	61.0	570	197.0	73.0	- 1	
2) Water flow of Lodiny's Euro	100-0000	اردائة	12 423	1 40	22.663	32.504	39,753	23.567	- 1	
3.P.Popos Ind from opelicion © Run off politicion loud from up treum		ر ب د ڪ چ	2 4 3	250	133	6.5.1	7.95.	C753		
Pullution land from sub-besin		- İ	- 1		l	Ì	-	ĺ	- [	
homestic waste water	1 1		- {	- 1			- 1		į	
A LPotiution lead (Sub-harin B142)	ł. i	[			1312	1312	1312	43.3	- 1	
Politurica hash pri dased	tat it t	kg (b)	0.3	0 B	0.8	0.8	0.8	1312	- 1	
2) Flow-out ratio	13.2	: 1	0.2	0.2	6.2	0.3	63	0.3		
3) Fire does take	r1 (e1-1x-1-2)		0 16	0.16	0 16	0 16	0.16	0.16		
© Rus off ratio \$1 Rus off pollution load		وشوة	ZiD	210	210	210	210	210	l l	
A2.Pathrion load (Sab-Nation B130)	102.11.				• • • • • • • • • • • • • • • • • • • •	• • • •	- 1	• • • • • • • • • • • • • • • • • • • •	-	
1) Pollulius land producted	32	tg day	t. 3t	1.734	3.731	3,732	1.73:	1,732	- 1	
2) Farw-out extin	r2-1	7.1	Q.B.	e r	0.8	0.3	0.4	0.8	- 1	
3) Flore down ratio	12-2	. ]	0.3	63	0.3	63	0.3	0.3	- 1	
4) Rup-off ratio	(2 ((2-1x/2-2)	. 1	0.24	0.24	0.24	0.74	0.24	0.24	- 1	
5) Reseal production tour	DC= 40 e r2	Lg (ID)	4:5	<b>3</b> :5	415	415	415	42.5	- 1	
A3 Patritice lend (Sa5 basin B : \$3)		- T	1	- 1	- 1		- 1	i	- 1	
Politorioe trad produced	N,	kg duy	732	732	132	732	132	732	ı	
2) Flow out ratio	na l	•	0.8	9.8	G.B	6.3	0.8	0.3	1	
3) Fire dives the	13-2	· (	0.4	0.4	0.4	0.4	0.4	0.4	- 1	
e) Rus-off raid	c3 (c3- (x/3-2)		032	032	0.32	0.32	0.32	0.30	- 1	
S) Rate off posterior load	03-53 ± 63 04-01+02+03	ing day	23a 860	<u>714</u> 550	234 860	214 850	234 860	23.2		
AAT sall march polluborious form decrease waste water	(G-D1+02+D3	k≨ day	No.	500	3/4	800	900	*~·	- [	
ndustria made mater	]		1	i			]	ŀ	1	
Bt Pathios lead from major producers		I. I							1	
t) Pullining load produced	ы	k, y	6.121	6.321	6,221	6.221	6,221	6,221	- 1	
2) Flow out ratio	d1-1	•	0.3	0.3	0.3	03] 52	0.3	0.3[ 0.2]		
3) Flow down takin	61-2	1.1	0.2	0.2	0.2	0.2	0.2 0.36			
4) Run-off ratio	711 (2) 1-2xeU-1)	المجروا	0.06 373	0.96 373	373	373	373	0.0-6 373	İ	
Syffus off pollution lead	10-51 a #11	a c c sy	3.3	3/3	3/3	3/3	3/3	3'3	- 1	
B2. Pollution lead from large and medium scale industries	62	ty coy	2 SCH	2 50 R	2,306	2 3/28	2,806	2 808	- 1	
Politrica load produced     Plew out ratio	r12-1	""	0.8	6.8	0.8	0.8	0.3	9.8	- 1	
2) Flow doublesses 3) Flow down calls	112-2	1 1	63	0.3	0.3	0.3	0.3	9.3		
4) Rus off ratio	v22 (c) 2-1xrt 2-2)	I . I	0.24	0 24	0.24	0.24	0.24	0.24	- 1	
ng Run-off podution load	12- 60x r12	Lg Cay	6.74	67-4	674	674	674	674	- 1	
83 Pollutice lead from small sculp industries	1	i - ~1	- 1	1	- 1	1	1	Į.	ŀ	
1) Pollution had produced	63	Lg day	517	6:	617	617	617	617	j	
2) Flow out ratio	r43-l	1	0.8	0.8	0.8	0.8	0.8	0.8	1	
3) Fkw down ratio	r13-2	1 . [	6.3	6.3	إده	0.3	0.3	6.3	ı	
4) Run off exio	r13 (r13-1): 13-2)	1 - 1	D 24	0.24	0.24	0.24	0.24	0.24	- 1	
5) Rus-off pollution load	G=52 tr O	kg 🗀 y	148	148	148	:48	148	148		
B4. Total reasoff pollution load from the industries	4d-51+12+13	ky dvy	\$ ,165	1.162	6,195	1,195	1,195	1,195		
Agricultural pollution load	1	]			l			- 1	- 1	
Ct Pulution load from fields*	es.	B 2/2 m	l	- 1		]		- 1	1	
1) Politring Loud productd 2) Flow-out ratio	r0-1	ke tay	ŀ		1			- 1		
3) Flow down twin	(21-2	1 : 1	1	1						
4) Rua-off ratio	(C) ((C) (1/21/2)	1 - 1	į						ı	
5) Rug-pff guildering lead	At a cix site	k) to					, ,		- 1	
C2 Polition load from livestok	1.	1					i		- 1	
t) Pollution load produced	r2	ردك زة	11.258	11.258	11.258	11.250	11258	11.259	- 1	
2) Elew-out ratio	r22-1		0.1	0.3	0.1	0.3	0.1	0.1	- 1	
3) Firm down calls	r22-2	*	0.3 0.03	0.3	0.03 0.03	0.3	03	0.03		
6) Run-off ratio	r22(r22-11/22-2) A2- g1 = r22	t , day	336	0.03 338		003 338	0.03 336	338		
5) Rug-off pollution lead C5.Total n.g-off pollution load from agriculture	Ad-A1+A2	t day	338	338		338	338 338	338	Į	
Other sources	1	i 1				ļ			j	
Di Palusia load from others	í		1	1		į		1	- 1	
1) Pollotice knd produced	dî	Ly Coy	10,620	10.63	10.000	10.630	10,520	25,630	- 1	
2) Flow-out ratio	<31-1	~ 1	0.1	0.8	0.1	0.1	0.1	0.1	- 1	
3) Fice-down ratio	<b>3</b> 1.2	1 - 1	0.3	03	0.3	6.3		0.3	- 1	
4) Rus-off ratio	101 (01-11:01-2) Oc-01 (101	ks day	0.03 319	5.03 349	503 319		0.03 319	0.03 319	ŀ	
5) Rear off political lead	06-01131	et and	319	919	,,,,	, "	3;,	""	- {	
B. Water quelity at control point					1	ł	ļ		- 1	
. Water quality monitored	ŀ	1	26	3.6	ده ا	7.5	10	3.5	4.1	
1)(1994 2) Austria (1962) 4968)	Ì	μt,	16	i	1 3	Ϊ ΄ੌ	' ''	j , 3	•. (	
2)Average(1992-1996) 3;Mediag(1992-1996)	1	1	l	ļ	1	I	]	1	l l	
Realt of alactation	1	1		ĺ	ì	1				
	بمنت بنيم منا	1	5.20	2.99:	7.244	9.24	10,662	7.505	3,335	
1) ໃຫຍ່ ແລະ ປປິ ສຸດໃຫ້ຄວາ ໂດຍຕໍ່	L-C2+-C-7-10 - AG KAC	I K C C Y								
1) Total sun off polision lead 2) Water flow	L-LE-Dd-Id-Ad-Od	Rg day	626						62.6	

Note: "Politation lead from fields is included in other sources

Table-3(3) Caluculation of Water Quality (BOD) at Jogbriu Bridge (2020 : Case-I)

Pollution had from opstream		WANT.	J.x;e.	Jai .	345 - 1	347.5		NA A	·c (Cir. t	75/7V d
<ol> <li>Water quality of Nguaggo Tumbungan (200)</li> </ol>	o	p∷gT	6.3	4.8	10.5	3.9	3.8	4.7		
2) Water flow of Ngronggo Tues has give	Q0 10°-00'±00	or Day	76,749	56.9 23.538	55.6 \$0.440	65 9 21 9/2	5; 4 17,304	4).9 17£45	ł	
3/Pallution lead from upiticam  () Runcoff pollution lead from opers on	10-60-60	t c d.s.	15.350	4,7 X	10,083	4,3%	3,44	3.05		
Pollution had from adobatin					İ		- 1			
Domestic waste water	i		- 1	- 1				1	1	
At Polletine Fred (Sob-havis B3:0).  2) Polletine load produced.	al	kg tigy	2,662	2 66 2	2 662	2.562	2.563	1562		
2) Flow-out ratio	71-1		0.8	3.0	0.8	0 H	0.8	0.8		
3) Flow-down ratio 4) Romoff ratio	et (rt-turt-2)	1:1	0.3	0 t 0 0s	908	0.1 0.0X	0.1 0.08	O t CCR		
5) Ren-off pollutine lead	Ot-at vrl	Lg đượ	213	213	2(3	213	20	20	İ	
A2.Polluting lead (Sub-Sede B3(1))  () Polluting lead produced	12	kg đuy	2 5 3 0	25%	2.500	2.580	2.530	2530	ļ	
2) Flow-out ratio	21	ES CLIV	0 B	0.3	0.3	0.8	0.5	0.8	i	
3) Flow-down ratio	0-2		0.2	0.2	0.2	0.2	0.2	0.2	- 1	
4) Rue-off ratio 5) Rue-off periodical load	62 (10-11-2-7) 192- 52 112	ag day	0.16	0.16 C.5	0 16 405	0.16 405	0 16 405	0 15] 405	Ī	
A3.Pollution load (Sub-basin 9310)	ì	1-*-/	- "1	- 1		- 1		- 1	i	
1) Pullisting lead produced	23 73-1	kg elay	211	2(1 0.9	211 6.9	201	211 0.9	211 09		
2) Flow dut rais 3) Flow down raio	5-1	-	6.3	0.3	0.3	0.1	أده	0.3		
6) Run off care	r3 (r3-14c3-2)	1. : 1	0.27	0.27	0.27	0.27	0.27	227		
5) Run off pollutine lead A4.Polluting lead (Sub-basic B313)	D3-23 v e3	kg/day	32	\$7	\$7	5	*"[	57		
1) Pollutine lead produced	1.5	ودائي 🛊 🕯	<b>≥</b> √?	207	597	200	297	397	- 1	
2) Flow out mile	(4.)	•	0.0	0.9	0.9	0.0	0.9	0.9 0.3		
3) Flow down mile 4) Run-off mile	14.2 14(14.1414.2)	:	0.3	0.27	0.27	0.27	0.3	0.27	Ì	
S) Rus-off pollution had	D4= 34x :4	1 g day	RO	80	90	3.0	ĸ	80		
AS Polluting load (Sub-Susia B314)  1) Pollution load produced	25	أسيا	13		1.	11	J,	11		
1) Politificat lead penduord 2) Flow-out estio	હૈા	Leday	0.9	0.9	C.9	0.9	0.9	0.9		
3) Flow-down exio	61	•	2.0	2.0	0.5	8.5	20	0.5		
4) Run-off exila 5) Run-off poSurion lead	63 (6-116-2) 05-23 6	tg toy	0.45 S	0.45 3	0.45 5	6.45	3 a.5	0 45 5	l	
A6.Pullution Rud (Sub-basis B315)		l I		1		- 1			ļ	
1) Foliation load produced In Florence code	(a6 (r6-)	4842)	1.504	1504	1.504 6.8	1.504	1_504 0 \$	1.504 6.8		
2) Plew-ou caio 3) Plew-down caio	rt-2	.	0.6	0.6	0.5	0.6	0.6	6.5		
4) Rep off raio	16 3 (16-14:16-2)	1. : 1	0.48	0.45	O 48	0.4%	0.48	0.45		
5) Run-off pollution load A7.Pollution load (Sub-basin BN6)	D6- 261 16	te da	722	722	722	722	722	722		
1) Pollution load produced	27	kg day	170	170	170	170	170	סרנ		
2) Flow-out ratio 3) Flow-down ratio	17-1	1 1	0.2	0.9	0.9	0.9	0.9 0.8	0.9		
3) Flow-down ratio 4) Rus-off ratio	(7-2 (7-3 ((7-1)(7-2)	1:1	0.72	0.8 0.72	0.72	0.8 0.73	0.72			
5) Run-off pollution load	D7- 171 (7	te day	122	122	122	123	122			
All Polletine lead (Sob-Nair 9317)	48		2.916	2.956	2,916	2.916	2,916	2.916		
1) Pollution lead produced 2) Flow out ratio	i3-1	x 8 32 y	0.7	0.7	9.7	0.7	0.7	0.7		
3) Flow 60-we ratio	e8 2	1 - 1	(3)	0.3	0.3	0.3	0.3	0.3		
4) Run-off ratio 5) Run-off polivios load	G-3 (G-12:G-2) DB-232 (S	kg day	9 2 2 6 1 2	0.21 612	0.21 612	0.21	021 612			
A9 Total run-off pollution lead from discrettic waste water		la di	2.217	2.217	2,217	2.217	2.217	2217		
ndustria waste nater		l I	l							
81 Pollution load from major producers			. 1							l
1) Pollution load produced	<b>ν</b> ι	Reiday		55,815	55,615	55,925	55.815	55,815		}
2) Flow-out ratio 3) Flow-down ratio	r(1-) r(1-2	1:1	0.05	0.05	0.5	0.05	0.05 8.0			
4) Run off raio	fil (fil-(art) 1)	-	693	0.025	0.025	0.023	ಕ್ಷಣ	6.73		l
5) Run-off polistice had	(1-b) x (1)	kşiday	1395	1.345	1,395	1,305	13%	1,395		
§3.Podution load from targe and medium scale industries 1) Pollution load produced	162	kg day	3,795	3.709	3,75%	3,799	3,799	3.759		
2) Flow-out paio	r12-2	1 - 1	0.2	0.2	0.2	0.2	0.2	0.2		
3) Flore-down catio 4) Rute-off ratio	r13-2 r12 (r12-14r12-2)	1:	0.5	0.1 0.1		0.5 0.1	0.0			l
4) Ruti-off ratio 5) Run-off potinties Yout	(12-65) r12	kg/day	380	380		330	385			l
B3 Pollution load from small scale industries		1 1	i !		1 1			1 1		(
t) Pullutice load produced 2) Flow-out satio	63 r13-1	tg day	791 0.2	751 62		791 0.2	790	791 0.7		1
I) Flow down ratio	r13-2	[ ]	0.3	0.3	0.5	0.5	0.5	0.5		[
Run-off ratio	r13 (r13-2xr13-2)	1	0.1	0.)	0:1	0.1				
\$} Run off pollution lead  B&T stal run off pollution lead from the industries	(B-63013 (M-1:-12+6)	kg/day kg/day	1.654	79 1.854	19 1,854	79 1,854	79 3.854	79 1 654		
•	[									İ
Agricultural polition load Ct Politica load from fields*	1				<b>[</b>		l			
1) Pollution load produced	et .	1g day			<u> </u>		l			
2) Flow-out mile 3) Flow-down mile	121-4 121-2	1:1					l	I		į
4) Rus-off raio	(21 ((21-0x/2)-2)	1.:	]				[			1
5) Run-off pollution load C2 Folution load fipin livestok	A!- ¢11 (2)	Lg day					•	] ]		l
Polision load gradured	62	Ag day		24,838		24,138				1
2) Now-out pailo 3) Flow-dows callo	62-1 62-2	1:	0.03	0:05 0:3		005		0.05 0.5		1
3) Frow-down care 4) Rub-off care	r23(r22-(1-r22-2)		0.025	0.025	0.025	0.025	0.025	0.025		
5) Run-off počistice load	A2+ c1 x r22	kg day	621	621	621	625	621			1
€3 Fotal run-off policities lead from agriculture	Ad-AI+AZ	kg day	621	622	621	621	62:	621		
Other souces	- [					l	l			
D1 Politico load from others 1) Politico load produced	રા	kg/đey	12.280	12.2%	12,2%	12.780	12.2%	12,350		
2) Flow-out ratio	G1-1	1	0.25	0.05	cos	0.05	0.05	0.05		1
D) Flow down ratio	31-2	1 .	0.5	0.00		0.5 6.025	0.0 0.02			1
4) Run-off rails 5) Run-off published food	631 (631-15131-2) Cd- 61 t 131	kgiđuy	9025 307	0.025 307		307	30		!	I
		1				· ·		1		I
(). Winter quality at control point ; Winter quality manitured		j		l		1	i			1
F. A. Pet. Company and American		mgi	3.5	3.2	11.9	3.4	7.	4.5	5	4
2)Average(1992-1996)			1		!	l	1			1
3 Median (1992-1996) F.Renalt of calaciation	1	1		l	1	l	l			1
	L-20+06+1d+A6+0d	Reday	30,349	9.741		9,379			11.29	
Bill out run-off polition load	I CHECK OF HIS YOUR									
	Q C-1/Q	pu) s		\$3.	51.2	58.2	58.	2 58.Z 7 1.7	39. 2	

Table 3(4) Caloculation of Water Quality (BOD) at Fadangan Bridge (2020 : Case-1)

Table 3(4) Caloculate	m of seater County	y (600)								
Agents  Version and Boom agreements		ur.tra		<u> </u>	Any .		a	Ave.	D5:125	17.2
1/Water quality of Betro Turnburg at (360)	CO .	847	25	19	45	6.7	49	33		- 1
) Major flow of Borra Turches gan Sillution in heat from agreement	Ç0 18-€771-Q0	113 to	19:5 12:02	77.6 12.759	23.7 30.565	182	100	12.6 2.929	ŀ	1
4) Run-off pullet in lead from upstmam	LD-COICE	ty day	6.9C 3	5.00 Mg	12276	120	2015	1.176	ì	
Paragon hand from sub-basis			- 1				ļ	1		
Dr. a. rithic whole water			1	Į.			- 1			- 1
AT Publica Loc (Sub-Source 9 90%)			t-(1	642	643	542	6472	6-12	ı	
I) Pull rate had profund. It Park ask two	64 6-4	to day	0.9	0.9	6.9	6.9	0.9	9.0	- 1	
3) Film down ratio	rt-2	-	69	0.9	0.0	٥٠	0.9	0.9	1	
திற்க விரும் நேரும் விரும்பேல் சென்	il pa fud-2e Di-at set	La day	536	0 A: 5 2%	531 520	530	6 F 2	0 6: 330	- 1	
AC POST A con local (Sub Sauce B NOS)		1			1		7		- 1	
tyPubulum kied pridiumā	<u> </u>	ig the	1.706	1.No	1,700	1.750	1.700	1.706	- 1	
Di Flore due noto De Flore d'une noto	(d) (d)		0 S	0.5	0.5	6.5	9.5	25	- 1	
D Ruc. off rate:	12 (12 1at2 2)	I - 1	0.00	0.05	005	D 0.5	605	0.05	1	
Sellier of policy to had	D(= s2 n r2	ing the	F,	3.5	#.S	<b>6.5</b>	#5]	P.5]		
A Patition had (Sub-haun B 105) In Patition had produced	a3	24 527	655	444	855	655	655	6.53		
3) Free rear man	41	1 · [	0.7	0.7	0.7	6.7	0.7	0.7	- L	
39 Flow down ratio 49 Rus-97 ratio	# 1 # (8-1::3-2)	1:1	0.) 6.2)	624	0_1 0 2 1	93	0.25	03	- 1	
Sy Russ of Epiterium knot	Dr. Date	Lg Say	128	136	138	138	0.8	136	- 1	
AAP Zim in Rad (Sub busin B.N.)			er.	440	#26	340				
te Poljution lead produced St Plans-out milio	4	Le day	C#	ax.	2.3	0.01	7.5	6.8		
It Flore divers ratio	c4 2		67	8.2	0.7	<b>0</b> 7]	0.7	0.7	L	
Pintroffmeno	(14 - 147 4) '4 (14   144 5)	Line.	0.56 250	0 56 250	8.5e	250	0.0	0.56 250		
To River of production hand AS Published test (Substitute & SUT)	(~ *** ×	1 1	~~		-~		٦٦		ĺ	
1) Pull-turn lived producted	is.	ta so	7.5	7.5	25	73	73	75]	- 1	
2) Flore and some 3) Flore along rates	है।  6-2	1:1	0.9 0.9	0.9	0.9	0 9	6 9	09	- 1	
# Run-off min	d-1(d-1)d-2	-	03:	631	0.81	0.5:	0.81	031	- 1	
Sy Rum off postunion hand Ad Postunion found a Sub-basilin B Sella	05- 45- 15	Ly day	54	30	50	**	50	59	1	
Ab Pollution land (Sub-basin B NYO)  1) Pollution land produced	a5	La day	1293	1293	(2%)	1.295	1.203	1293		
2) Flore our reio	is 1	3 • [	0.1	0.1	0.1	0.3	0.3	0.3		
3) Film-down mae -9 Ran off mile	ஸ்.2 ஸ்.3 (ஸ்.14.ஸ்.2)	1:1	001	0645	0 0.5 0 0 1.5	005	0 0 5 0 0 5	005		
Sy Kun-off politica loss	06- at 16	Ly day	19	19	10	10	19	19	- [	
A7.2'ಎರೆಸರುವ ಸೂಪ (ನಿವರ್ತಿಗಳನ್ನು 95%) 13.7'ಎರೆಸರುವ ನಿಂಚ ಎನಸೆ ಸಾಸ		Ly Say	3246	3300	3.246	3.240	32-0	1246	ĺ	
1) Polytical load good word 2) Plans out date	(6.)	1 " "	0.5	0.5	2.0	0.5	0.5	0.5]		
Is Fire-disco rate	d-2	-	0.2	01	0.2	0.2	23	0.2		
මා සිංහ පරි පත්ත වැසිකා පරි පත්ත වැසිකා පරි ඉදිරි වෙස කියන්	6-3 (6-1x-6-2) 65- 63- 6	kg day	325	325	325	324	8 1 325	0 1 325		
All PuBulion band (Sub-basic BS12)	1	1 1		Į		- 1	l	ı.	- 1	
Publisher had produced     Physical exists	<i>a</i> 1	tg Cay	3.50	1.50.5	5.50.5 0.5	5,548	5.563 2.0	5.93	- 1	
2) Files deserving	# 1	1 1	6.2	0:	0.2	0.2	0.7	0.2	- 1	
4) Rum off misc	#-3 (# fu6-2)	1. : 1	0.1	0.1	2.]	0.4	D 1	61		
5) Run-off petitution load A9 Patieton load (Sub-basin B513)	De~aPx #8	42	559)	5.99	350	55%	534	554		
t) Potistica load produced	ø	44.40	361	361	361	361	361	36;		
Di Filom cost misso Il Filom domo miso	9-1 9-1	1:0	\$#] 9.7	0.5	0.6 0.7	0.7 0.7	0.7	03 02	- 1	
4) Russ off ratio	93 (PH:92)	1 - 1	0.50	9.5c	6.6	0.56	0.50	0.56		
5) Rue off potation lead	D4- 29:19	kg day	20:2	303	202	30/2	102	262		
A10 Publicion bad (Sub-basic B514) to Polission bad produced	±3.0	tg day	3.144	5,144	5244	5142	5342	5.544	- 1	
Differ or min	#10-2	1 • 1	0.5	9.5	0.5 0.2	6.5	0.5	0.5		
39 గించి తేసుకు కాడం తిరి కొంటించి! కాడం	#10-2 #10-3@#0-1##10-25	1:1	0.2	0.2	0.21	0 Z	62Î	0.2		
53 Run off policion load	DIG- 6/91 119	tg die	514	5.4	51.0	51.5	5(4	51.4		
Att Pollulos load (Solv Smin BS) 5)		14 244	Uis	3315	1,315	1,115	(315	1,145	- 1	
ty Pollutura land graduend Sy Piote-our teac	ata	14	[5]	0.7	0,7	0.7	47	9.7	- 1	
يار المراجع الاستان المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع المراجع ا	ef 1-2	- }	0.4	0.6	0.6	0.6	06	0.5	- 1	
-i) Run-off pal-o 1) Run-off polluture load	est-3 (st3-faz(3-2) Ont- at tu (14	la da	0.4C	0.40	0.40	0 40	2 42	0 4C	- 1	
A12 Forei run-all publicum lond from demonate whose water	Gd-5t ← +5t i	إردون	3,570	3,139	3139	3,335	3,139	3,139		
S. Indiantria wante water	1	1		. 1	l	- 1			1	
B Industria wante water  Bt Poliston load from major products		1 1			l	l	- 1	l l	- 1	
l) Politics load professor	<b>6</b> 1	ارمانا ية	٥	D	9	Đ	0	0	1	
2) Flore and taken 3) Flore-during nation	£14 £12	1 : 1	i I	1	J	- 1	j	1	- 1	
4) Run-off meso	at this first to	1 - 1	0	•	٥	6	0	D	-	
5) Rup off pullicum load	11-51 a #1	<b>ta</b> ≟ay	٥	¢		٥	6	٥	1	
P.D. Polleton load from large and med um scale industries     Polletium land graducted.	62	رتوا	35%			3,875	3.275	3,875	- 1	
2) Firm out ratio	et 2-1	-	[ C.s	0.5	0.5	0.5	0.3	0.8	- 1	
3) Flow elevan new 4) Rain off netio	#2-2 #2-012 1 kd 2-2)		0.5 0.4	0.5		0.5 0.4	0.5 0.4	0.1 0.4	- 1	
5) Russ off pollution load	12-52: 172	kg Vay	\$3.60			1.550	1.550	1,550	- 1	
B) Pollution load from an all stale ardustness  1) Pollution had no discord	63	kg 3ay	.	1,028	1,0,3	1.028	וכנו	1,000	ĺ	
Follows had produced     Figsout more	43-1	* "	0.0	0.5	0.0	6.8	0.8	0.8	- 1	
3) Flore of own the or	13-2	1 .	0.5		0.5	0.5	0.5	0.5	J	
4) Run of pulles on load	63 (63 for 3-3) (0-63 (13	in day	457	411	411	0.a	4:1	4),	J	
R4 Total natival publication load from the industries	M-11-12-13	kg day	1,95	1,961		1.96	1.96:	1.96	- 1	
Carrieshand manipulation	1		1	l	j	ļ			- 1	
CApricaltural polistics had CI Polision load from Solds*	l.	j.,	l	l	1			1	1	
t) Polistica kad produced 2) Flore-out talio	61-1 61-1	14 347	1					ιI	ļ	
3) Flore dises no se	141-2	1:		1				jl	- 1	
4) Rut-off take B) Rut-off politics had	ALLES TRACES	Q say	d	l	1		ì '	1 1	í	
C2 Patricia lend from Invasion		- 1	1	]	<u>.</u>		l	1!	- 1	
Policeion Year produced     Piers sout no se	61 524	tg day	49,114			49,184				
2) Firm dat tale 2) Firm dump polic	163-2	1 -	2.0	[ 0.5	9.5	0.5	0.5	0.5	Į	
4) Run-off raise	02(02-0-02-2)		0.05	୍ତି ଦେଇ	0.05	005	0.05	0.02	ĺ	}
5) Reprofit politicism food: (3) Total numerit politicism food foom agranulaum:	A2+ e8 1 422 A4+A2+A2	ta dey ta day				7,456 2,456			I	
	I	1	1 ~~	~~~	1 7				1	
D Other some m		- 1	1	Į.	]		1	]	1	
DI Polurice land from when	d)	1964	36,44	36.44	56,440	36,440	36,440	36.40	į	l
		1	0.1	) D1	0.1	9.1	6.1	01	[	l
t) Pollution had produced 2) Flow-out rates	हान		1 0.	5 6:	બ હુ	0.5	0.5			
t) Podiusion land produced 2) Flore-cost ratio 3) Flore down ratio	201-2	- 1 :	800		'ممان	4.74		4 664		
ty Podiusion Usef produced 2) Flore root rates 3) Flore down rates 4) River of Testion		kg day	000 137	6 00		1372			1	
F) Pollwick Unif professord 27 Euro von Indo 30 Elian domo raco 40 Ran off raco 50 Ran-off pollution lond	ent enembers			6 00						
F Pallision Los produced  3: Elum rost rates  3: Elum rost rates  4: Elum rost rates  4: Elum rost rates  5: Elum rost rates  5: Elum rost rates  111. Palet republic at control polari	ent enembers			6 00						
1) Pollution load gradient 2) Elem contact 3) Elem desert rece 4) Ren of rece 5) Ren of received 5) Renord pollution load (III.Proter quality at control polari E. Water quality analysis of 135564	ent enembers		y 13%	6 00 125	1,022		(32)	132	<b>6</b> 0	
1) Pallation load produced 2) Elem and main 3) Elem down main 4) Elem down main 5) Elem down main 5) Elem off mich 5) Elem off mich 6) Elem off pollution load (10.49 alone qualify at control polist Eleviater qualify at control polist Eleviater qualify at control polist Eleviater qualify at control polist Eleviater qualify at control  6) Eleviater qualify at con	ළු වැ. ම සැලපැති වැ.ක Ode 43 ක වැ.	ng1	135	6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2 ijie: 2 &:	1.572	(J42)	76		
1) Pollution load gradient 2) Elem contact 3) Elem desert rece 4) Ren of rece 5) Ren of received 5) Renord pollution load (III.Proter quality at control polari E. Water quality analysis of 135564	ent enembers	ng1	y 13%	6 60 1373 6 43 7 14,67	2 1,022 0 43 4 21,604	1.572	25 11.99	76 10,554 1 35.8	60 1437 88	

Table-3(5) Caluculation of Water Quality (BOD) at Canggu Tambangan (2020 : Case-I)

Pens	11	uniks	1.6	7.5	202	***	_ <u>^^</u> -	No. 100	CTCL7 1 '53.	2
Pollution had from up aream	1		- 1	1			- 1	i	1	
Little or quality of Parking up (990)	CO	mg1		ĺ			- 1	- 1	1	- 1
2/Water flow of Patangro	90	π3 з	16.247	14,474	21.504	12,023	0.39	10,554		ľ
3 Politics had from upon un	67-7010	ودل و ا	2.407	211	3.24	1,267	1204	(30)		
<ul> <li>Romoff policies had hors up to an</li> </ul>	ro-cordo	Ly din		21.1	~~		1~1	100		
L Politotica load from sub-basis		1				l	- 1		i	- {
UDconestic waste water	<b>.</b> .			- 1	l l	1	1	- 1		1
A Foliation Irod (Sub-back B609)	1		ام. د	3.0	310	219	: (9)	2/5		
Polision lead products	pì ri i	التأثية أ	219	219	519	0.0	24	3.9	- 1	
2) Flow-read reside	14.5		0.4	0.4	6.4	0.4	0.4	0.4	1	
3) Flow down ratio	rt (ct-turt 2)	1	936	0.36	036	6.36	0.36	0.34		
4) Recoeff ratio 5) Recoeff policion load	Otested	kg day	79	79	7v	7v.	79	24		1
A2 Pollution Read (Sub-books Bri 20)	10		- 1	- 1		1	1	l l		
1) Political had produced	1.2	ks day	202	202	302	20:	3/2	262	1	
2) Flow out ratio	60		0.9	0.9	64	0.4	0.9	0.9		- 1
3) Fire desa ratio	12.2	- {	0.4	0.4	€.≠	0.4	0.4	0.4		1
4) Run off raid	G (G-15G-2)	1	0.36	0.36	0.36	0.36	0.36	0.36		
5: Run off a statute had	D2= 52 842	kg'day	73	13	73	7.5	nj	73		
A3 Total no-off pollution lead from domestic waste water	D6-01-01	k g(da)	132	152	152	452	152	15	ţ	
B. Industria waste water	1		- 1	. 1		-	- 1			
81.Politios load from major produces		t 1				ì	- 1	- 1		1
1) Pathetion lead produced	66	ردئ ي	13.50	8,129	8.129	8,124	9.↑2×	31.29		
2) Flow-out ratio	r1 t-1	i - I	6.0	0.9	6.9	0.9	0.9	0.9		
3) Flow-down state	st (-2	•	0.4	0.4	0.4	0.4	0.4	0.4	1	
4) Run-off rato	att (d I-traff-1)	•	0.3€	036	9.31	9.36	0.0	0.36		
5) Rus-off pollution that	He blasis	\$ 2/63	2,926	2,036	2,436	2 920	2,926	5.00		
B2 Pullishes had from large and medium scale industries		l I		46	g	80	90	80		
Polistico land perducci	P.5	1500	0.9	9¢		C.9	0.9	0.9		
2) Plan-our asia	rt2:1	I · I	0.4	0.4		6.3	1.0	6.5		
3) Flow divez ratio	1:2-2	1 . 1	0.4	0.36	0.36	0.36	0.36	0.36		
4) Ruq-off exio	242 (#12-14r12-2)	رية وع	V.%		3		29	26		
\$) Run-off pollutine Inst	12 - 624 rt 3	13,000	i ''	) ~~	ì ''	• • • • • • • • • • • • • • • • • • • •	- 1	- 1	,	
B3 Pollution lead from small wate industries	La	الموسا	2)	21	21	24	21	2+	1	
t) Pallution load produced	(3)	kg day	6.0			0.9	0.9	0.8	i	
2) Flow out ratio 3) Flow down salio	113-2		0.4			0.4		0 z		
u; stow come rate 4) Rus-off rate	r13 (rt 3-12r) 3-2)	١.	636			836	0.36	0.36		
5) Run-off politica lead	Debtost	] kg'day				8	8	8		
BALT and rug-off politicing lead from the industries	M-D+13+D	k jiday	3,144	3,344	3.140	3144	3,144	3.144	1	
6 4 2 - 3 4 1 1 1 2 2	1		ļ	1	ì					
C. Agricultural pollution los d C1 Polutine lead form fields*		ì	i	l		1				
Politica tout produced	c1	K griday	1	i						
2) Flow-cut paid	721-1	-	l			1 1		1	- 1	
3) Flow-down ratio	G1-2	Ι.	i	l .	ì			ĺ	- 1	
4) Rus-off ratio	(set (set trelle)	t grany	}	1						
5) Russoff pollution load  C2 Political load from locatok	[A1-144]	1.500	1			Į I				
1) Pollution Stud produced	e?	1247	1,000	1.000	1 023	1,923	1,922	1 022		
2) Flore-au catio	62-1	1.	0.0			0.1	01	0.1		
3) Flow down rate	122-2	1 -	C.4						i	
4) Run-off caip	(02(02) 1x(02-2)		0.04					0.54		
S) Run-off politician load	A2-c1 c r22	kg day	4					4:		
The configuration and the configuration and	Ad=A t+A2	kg da	4 4	4	4:	4:	4:	41		
D.Other towers	ŀ	1	1	1	ł		•	; l	- 1	
D4 Politice load from others	1	1	1	1	1	Ι.	1.	1	- 1	
b) Polityline load profeszió	d1	kg day	760					760		
2) Fire-out rails	132-L	1 .	0.							
3) Flow down maio	(31-2	-	0.							
ම Ruo-off ratio ව නියා-ල්රි ලංඛීණයේ	(31 (231-15-31-2) (32-31 5 (31	kg/sa	0.5 X						ţ	
1	1		1	1	1	1	1		1	
18. Water quality at control point		1	ĺ	1	1	1	l		- 1	
E-Water quality monitored		E67	. 3.	یا د	رو ان	10.6	. 52	4.9	5.2	5
1)1994	1	T **'	Ί ΄	1	1 "	1	1	"I	- 1	
2 (Average(1962-1996) 3 (Medium(1962-1996)	1	l l	į.	1	į.	1	I	լ Լ	1	
F.Rrah of calculation	1	1	1	1	1	1	l l	1 1	i	
() Total gug off polytico load	L-EC+Dd+1d+Ad+Od	kg'd.	y 5.80						\$351	
2. Water flow	Q	m3/1	12.						12.8	
1	lic-to	m.c3	1 5	2 5	<u> </u>	0 4.9	4/	45	5.01	

Cyware Bow
3 Water quality
Note: \*Pollution load from fields is included in other sources

Table-3(6) Caluculation of Water Quality (BOD) at Karangpilang (2020 : Case-I)

Bens Mutina had bom upareum	[	on.ies	13-	<u>) </u>	.V.g	×.0	3	No. Ase	<u>1000 250</u>	NA.
19Marray dity of Cargo Fanhing & (1914)	Ot	erg 1	- 1				i		-	
2) Water flow of Caryon Tanihangan	Ç¢	m.s.v.	5,804	5,538	6,50%	\$3.x	5.076	1,950	1	
3 Politica frod form up to im 4) Ruseoff politics had from up to an	ומ-נהילה המ-נהילה	kgiday kgiday	87 t	431	96:	766	761	743		ļ
Pullation land from sub-bosin		- 1				- 1				- 1
North Alic waste mater				ļ						
A I.Polistica Red (Seb-beria B62s)  1) Pullation lead produced	32	i giday	342	343	340	342	342	342	1	
2) Flow out cities	154	***	0.9	0.9	0.9	0.9	0.5	0.7	1	
3; Flow down on o	r1 2	· 1	0:	0.2	0.2	0.3	0.2	0	- 1	
4) Remoff ratio	म(तन्त्र)	1	0 (8)	0.18	0 (8)	0.18]	62	62	- 1	i
5) Reprofit pollution load A2.Pollution load (505 hairs BA22)	Divateri	Ly day	62	62	42	<u>"-</u> ]	-	*1	ı	- 1
Polision had product	122	kg day	1 DV7	1.097	1057	1097	1.093	1.097	Į	
2) Elim-out ratio	r2 1		0.9	0.9	0.9	0.9	0.9	0.9	- 1	
3) Flow down ratio	r2.2		0.27	0.3	9.3	0.3] 0.27]	0.27	0:3] 0:27		l
4) Romofficatio 5) Romoff pollution lead	(C) ((2-1)((2-2)) (D2-42-11/2	kg day	296	296	255	206	396	246		- 1
A3.Pollution lead (Sub-Seria 8623)	1	1				1			L	- 1
1) Polluting load produced	7)	kg duy	442	412	442	4-12	442	6.9	- 1	
2) Flow-cut ratio	G-1	: I	0.9	6.9 6.5	0.9	0.9	0.5	0.5	- 1	
3) Flow-dynastatio 4) Run-off ratio	∂-2 ∂ (r}-1 w/-2)		0.45	0.45	D.45	0.45	0 45	0.45		
\$) Run-off pollution lead	03-23113	kaltuy	199	199	144	(95)	196	194		
A s.Pollution load (Sub-busia B624)	1 1	l 1			-24	175	175	175		1
13 Pulletion food produked	54 741	kg day	0.6	175 C.6	175 0.5	0.6	0.6	0.6		
2) Flow-out tailo 3) Flow-down tailo	100	:	0.2	0.2	0.2	0.2	0.2	0.2	•	
4) Rus-off ratio	r4(r4-fu:4-2)	-	0.12	0.1	0.12	0.12	0.12	0.12	1	
5) Run-off petiation lead	De sa is	kg day	21	21	21	21	21	21	- 1	
AS Politories load (Sub-basis B63C)  As Refusion load resolvent	NS .	15:14)	1.132	1.132	1.132	1.102	1,332	1.132	ŀ	į
1) Pollution load productd 2) Flow-out ratio	d-1	````	0.5	85	0.5	6.5	6.5	0.5	1	
3) Flow down ratio	6-2	-	0.2	3.2	0.2	0.2	0.2	0.2	ı	
4) Ron-off ratio	63(63(62)	ļ l	0.1	0.1	0.3	0.1	0.1 113	113	1	
5) Russoff politrion lead Ad-Politrion lead (Sub-basis 8631)	D5- a5- 15	\$ 5 July	1(3	113	113	113	11.5	~~1		
1) Pollutins lead produced	£	hg inc	175	175	175	175	175	175	l	
2) Flow out ratio	r6-I	L·Ι	9.7	0.7	0.7	0.7	0.7 5.3	0.7) 0.7	ı	
3) Flow down mile	76-2 76-3 (r6 (4/6-2)	·	631 621	0.1	0.3	021	0 21	0.2:	- 1	
#) Run-off callo \$3 Run-off policition load	CG- Man	kş day	37	37	37	37	37	37		
AT Pollution lead (Sub-barin 8632)		<u> </u>					1			
Politation foud produces	7د	ks (4)	573	573	373	573	573 0.8	573 0.8	- 1	
2) Flori out ratio 3) Flori dona ratio	ਹੈ। ਹਵ	1:1	0.3	0.8 0.3	0.5	ده	0.3	0.3	ı	
4) Run-off ratio	r3-3 (r3-1xr3-2)	1:1	0 24	0.24	0.24	024	0.24	0.24[	- 1	
5) Ruo-off publics lead	0"-2"17	Eg day	138	138 865	1.18 343	138 \$45	138 \$65	138 865		
AS Force auto-off pollution level from domentic waste water	D8-D(+++D7	kg day	865	***	•	24.3	363	**1	ļ	
Industria na de nater		1 1	I	Į				l l	i	
B 1.Polletion lead from major probators  1) Polletion lead probard	м	te day	49,903	49,503	49,503	19.203	49,803	29,303	- 1	
2) Flow out raise 2) Flow out raise	c11-1	1, 3,	0.8	6.6	0.8	0.8	0.1	0.8	1	
3) Flow down ratio	ri 1-2	1 - 1	D 25	0.25	0.25	C 25	0·25	ē.25		
4) Remoti ratio	(01 (61-1x6(-1)	1 1	0.2	0.2	0.2	9.96;	0.2 9.961	5.96:		
<ul> <li>S) Run-off policies load</li> <li>B3 Policies load from large and medium scale industries</li> </ul>	11-b( a r1 2	a g day	9,961	9,961	9:4:	9.96	16.540 (	*36.	i	
1) Pollution lead produced	b2	رث و1	33.228	33.278	33.228	33,238	33.228	33.228	- 1	
2) Flow out ratio	r13-1	-	0.7	0.7	0.7	0.3	0.7	0.7		
3) Flow down ratio	n2-2 n2 (n2-1=12-2)	1 1	6.25 0.18	0.25 0.18	0.25	0.25	0.25	0.25		
4) Rus-off ratio 5) Rus-off poliction load	65-907-415	kg day	5.815	5,815	5.815	5.825	5,815	5.815	- 1	
83 Pollution load from small scale industries		1 1			ļ	1				
<ol> <li>Pallution lead produced</li> </ol>	w	kg du	6.566	4535	6.586	6,556	6.586	5.566	1	
2) Flow out ratio 3) Flow damp prior	c13-1		0,7 0,25	0.25	0.7 0.25	0.7 0.25	0.7	0.7		
a) Run-off cuip	e13 (e13-2xe13-2)	1 : 1	0.18	0.28 0.18	0.18	81.0	0.18	0.18	- 1	
5) Rus-off policins lead	B-5/9c ()	to day	1,153	1.153	1.353	(,153	\$.153	1.153	ı	
BATotal run off pollution load from the industries	R-11+12+13	Rg day	16,92R	16,978	16,928]	16,928	16,928	16.925		
Agricultural pollution load	ļ						1			
C) Polytica load from Golds*  1) Polytica load products*	ci	kgiday	į		<b>!</b> !		I	- 1	l l	
2) Flow-out catio	r2)-1	1 *-		i '	1	l	I		ļ	
3) Flow-down ratio	(2)-2	1 -		ŀ	{	1	ļ	1	1	
4) Rus-off ratio 5) Rus-off pollution lead	101 (121-) k101-2) A1-01x 121	1,30	<b>l</b> '				i	- 1		
C2 Polition load from In-exist		1	l	1	ļ I			[		
Politinion load productd	c2	iş day	6,934 6,05	6,934 0.05		6,934 0,05	6,934 60.6	6.934 0.05	ļ.	
2) Flew-datation 3) Flew-dews ratio	r22-1 r22-2	1:	0.2			0.2	92	025	i i	
4) Run-off casio	(22)(22-1)(21-2)	1:	0.01	0.01	001	0.04	0.01	0.54	- 1	
5) Run-off pollution lead	A2-c3 x r22	رحة يا	69	60	69	62	6/9	89	- 1	
C3.Total run-off pollution load from agriculture	Ad-A1+A2	is a	69	60	60	89	69	69	1	
Other wares	ì	1		ļ.	1				- 1	
D1 Polution lead from others		I			اا	10.20-			1	
Polistice load produced     Flow-out ratio	d) 131-2	kg (du)	10.311			)0.358 0.05	(0.358 0.65	10.358 0.25	- 1	
2) ≱iew-putratio 3) Flaw-dawo tako	31-2 31-2		0.2			9.2	0.2	0.2	1	
4) Rup-off ratio	G1 (G1-1x31-2)		901	C.01	0.00	0.01 104		0.51 G4		
5) Run-off politice Red	Oc-61 4 E31	ing/day	104	) PS-	104	1154	104	IC-4	- 1	
E.Water quality at control point			1		l '		'		- 1	
F. Water quality monitored 1):1954		mg/l	15.7	1 11:	1) 1) 2	140	7.9	7.9	113	14
1)1954 2)Average(1962-1996)	Į.	L 2.	1 13.4	1 '''	1 "	1-0	"	"1	*''~	
3/Median(1993-1996)	į.	1	1	I	1		j	l I	- {	
	l	1	1	J	1	18,765		18,709	18.799	
							18,727			
F.Result of calculation 1/Total reprofit priorities knd 2/Water flow	L-10+Dd+ld+Ad+Od Q	1 g d≥ m3/s						128	12.8	

Table-3(7) Caluculation of Water Quality (BOD) at Ngagel (2020 : Case-I)

De no	1	U1 (1)	3.65	- J-Si-		35.0	>52-	20-1	Ver Dry	75.57	. Aš
Pollution lead from upstream 2:Worsquality of Kanaspilling (1045)	co .			1						ĺ	
Signate Grand Rand Saland	(c)	m <sub>e</sub> 1		i	l	i	ļ	I		i	Į
A Podlation lead from upon an	נמ-כמיקט	kg Say	13.837	19,397	18.957	19,705	18,727	(8,7),19		i	- 1
4) Reacelf pollution final form space are	ro-curdo	kg day	2 826	2 NX	2144	2.8:5	2 N/N	2 KU		ţ	ı
. Pollution trad from sub-basin	1	1	l l	ļ	- 1		ĺ	- 1	•		
Porte sie waste water		Į.			ı			- 1		İ	
Alt Pollution Red (Self-Serie 8540)		. 1		- 1		1					
t) Polisine load produced	11	Ry Luy	924	924	974	904	924	924			ļ
2) Flow-out ratio 3) Flow down page	r1-3 r1-2	.	0.9	0.9	0.6 0.6	9.9 0.4	0.9 0.4	6.1			1
4) Rus-off ratio	rt (rd-tact-2)	- 1	0.36	0.10	0.36	0.70	0.36	0.36			1
5) Run-off politation lead	Di-af at 1	kg day	333	333	333	333	333	333		1	
A2 Pollutine lead (Sub-hain 8541)	ł									1	
1) Politica food produced 2) Place out ratio	21	Rg day	271 0.5	27)	271 0-6	271	271 5 6	271		1	
3) Flow-down ratio	r3-2		0.2	0.2	62	0.2	0.2	0:			
4) Rup-off ratio	@ (12-11/2-2)	.	0.12	0.12	0.12	012	0.12	6 (2			
S) Rua off political lead	D2= s2 s r2	k, toy	30	33	33	33	33	33			
A3.Politicina land (Sub-havin B642)	1.	l I	1							l l	
1) Politikes lead produce 5 2) Pierw out mite	1) 13 1	زت غ	1.147	1,741	1 141 0.7	0.7	6 L#1 5.7	1.141		i	
3) Flow down min	13-2	:	6.3	0.3	0.7	0.7	6.3	3.6		i	
4) Rut off raio	r3 (r3-(sr3-2)		0.21	0.21	0.21	0.21	0 21	0.21			
5) Purroff pollution lead	D3- 13 113	زدگ ع 🕯	240	2 K	240	240	2.40	240		1	
A LPolisting load (Sub-Nain B543)		1 1	Į.	1				I		1	
I) Pollution lead produced	4.5	tg 2sy	5,430	5 470	5.430	5,430	5,430	5,430		1	
2) Flow act ratio	141	•	0.9	0.5	0.9 0.4	0.0 0.4	0.9	0.9		1	
3) Flow does asia 4) Ressolf ratio	64-2 64 (54-00/4-2)	1:1	0.36	0.4	936	0.36	0.36	0.4		1	
5) Russoff pellurion lead	04-24-14 04-24-14	kg đưy	1.553	1.955	1,955	1.955	1.955	3,955		1	
AS-Pollution Red (Sub-Suip B644)		,						""]		1	
I) Pollutine lead produced	<b>13</b>	kgʻ⊄∋y	2,624	2.625	2 #25	Z 625	2.625	7,625		1	
2) Provious ratio	<u>ه ا</u>	-	0.9	0.5	0.9	0.9	0.9			1	
3) Raw dawa ratio	G-3	•	0.7	0.7	0.7	6.7	0.7				
4) Rus-off extio	か3 (かまか2) DS- がよが	انا	063	0.63 1,654	0.63 1,634	0.63 1,65	0.63 1,654				
<ol> <li>Run-off pollution lead</li> <li>A5.Total run-off pollution lead from domestic waste water.</li> </ol>	05-2000 06-00-00-03-04-05	ky day ke day	4.213	1,654 4,213	4.213	4,213	1,634 4,713	4.793		ŀ	
Street and and I was a series and a series and a series and a series		1-0				1		"1		i	
Industria waste water	ľ	1	ŀ		i			1 I		1	
BA-Pullution Toad from one or producers	1	1. 1			l	l	l	] [		1	
1) Pollutice lead produced	52	L day	684	5%a 0.9	654	63-	634 0.9	( 634 ( 6.9		1	
2) Flow out ratio 3) Flow-down ratio	rs1-1 rs1-2	:	0.9	0.9	0.9 0.4	0.4 0.4	0.9			1	
4) Run off mile	r11 (r11-1sr11-1)	1:1	0.36	936	0.30	036				1	
5) Ren-off polluting lead	tt-btartt	ودائي ا	246	246	246	246				1	
B3.Pollution had from large and medium scale industries	ì	1 1			ĺ	_	1			1	
1) Pollutice lead produced	b2	21 (2)	21,984	21,981	21,986	21.98	21,982			1	
2) Flow-out cutio	r12-1	-	0.7	0.7	0.7	0.7 0.	0.7			1	
3) Flow-down patio 4) Run-off ratio	r12-2 r12 (r12-5u-13-2)	1:1	0.4	0.4 0.25	0.4	0.28	0.2			1	
4) Run-off poBution food 5) Run-off poBution food	12-62-12	ودادوة	6.155	6.155	6.15:	6.155	6,155			1	
63 Pathation lead from small scale industries	1	[""]			1		[	""		1	
Politrion load produced:	b3	t g'day	4,851		4,85		4,851				
2) Flow-out ratio	n3-1	1 1	0.7		0.3					1	
3) Flow down ratio	rt3-2	•	0.4						Ì	1	
4) Run-off ratio  5) Run-off matterial fact	rt3 (rt3-1srt3-2) U=50srt3	المندا	0.28 1.358							1	
5) Run off politation load 84.Total nun-off politation load from the ladiatries	M-11+12+D	رگ دا ارتگار دا	7,759	7.759						1	
		] " "		1		1	1		l	1	
Agricultural pollution lead	ļ			l	1		1		l	1	
C1 Polition load from Leids* 1) Polition load produced	81	J.,		l	1		i				
1) Portotos trad produced 2) Flow out ratio	633	t y day	i	1	1		1	1 '	1	1	
3) Film down mile	121.2	1 -	1	l	1		1	1		1	
4) Run-off ratio	r21 (r21-1ar21-2)	$\mathbf{L}: \mathcal{A}$	1	l	1		ı	1		1	
5) Run-off pollution had C2 Publish had from five tok	Al-cix (2)	he day	ĺ	l	1		ı	į		1	
1) Pollution load produced	e2	Ng day	2,203	2.303	2.26	2 203	2.70	3 2 26.3			
2) Slaw-our-calio	122-1	1	0.05						1	1	
3) Flow down ratio	(22-2	1 .	0.4	0.4			d 0	6 0.4	1		
4) Remail ratio	r22(r22-(xr22-2)	•	5.02		9.0	0.0	0.3		l	1	
5) Rus-off politicise lead	A2- c3 a r22	leday	44	1 4		•			i	1	
C3 \$268 eta-off politicion took from agriculture	Ad-A1+A2	le day	`	4	'n '	4 4	ï '	``	1	1	
DOther annex	1	1	1	I	I	1	ı	!		1	
DC Pulseion load from others	ì	1	1	l	I	l l	i	1	i	1	
() Pollution load produced	d)	1 g day	3,435	5,435		5,43			1	1	
2) Flow out ratio	O1-1	١.	0.05							Į	
3) Flow down palio	31-2 31-31-3-31-3	1:	0.02							1	
4) Run-off maig 5) Run-off pollution lead	(31 (931-1431-2) Od= d1 a (3)	110								1	
, .	1	T'-"	l "	1 "	1 ~	1	1 "	1	1	1	
(II. Water quality at control point	1	1	l	1	1	1	1	1		1	
E. Water quality monitored	1	1	1					j		]	
1)1964	1	rg₹	6.1	6.5	8	9.	\$ 7.	3 63	'n '	1.3	
2)Average(1992-1996) 3;Median(1992-1996)	1	1	1	Į.	1	1	1	1		1	
3;Nediao(1992-1996) F.Renult of culticlation	1	1	1	[	l .	1	1	1	<u> </u>	1	
F. Rether of constitution  Lyfold rea-off polation lead	L=10-0d=10+Ad+Od	1 g Cay	14,951	14,940	14,96	9 14.94	0 14.93	14,930	14,9	جا (د	
		1 7								2.6	
2)Water flow 3)Water du dies	IQ .	n.Vs	12.8	· 1	1.5	5 13.				3.5	- 13

Ţ

Table-3(8) Caleculation of Water Quality (ROD) at Kayoon (2020 : Case-I)

ltems Follution lead from up dream	1	Parties	1.8.		2	N/A	<u> </u>	- <u> </u>	4001 766Y
1)Warr quality of Jess Bridge (1100)	ო	ang 1	J	l l	J	- 1		1	
2:Water flow of Jetis Bridge	Ç6	m.)		Ł		- 1		- 1	
3 Politui se food from a point en	(0.40x40)	ردة وعا	14.951	11,945	14.969	3 4.9 4	14,934	14,932	
<ul> <li>Runself politises lead from space are</li> </ul>	LD-CTvQ0	kg đượ	2 990	2,930	2,954	2,98R	2 95?	2.9Sh	
Politica had from sub-basin					1			- 1	- 1
Durnestic waste water		li				ŀ		i	- 1
AS.Pubblice Red (Sub-basis B645)						_ i		1	- 1
In Pollution load product d	21	kg day	0	애	O.	DI.	Q	6	- 1
2) Flow act take	r1-1		6.9	6.9	0.9	0.9	C 9	0.9	- 1
3) Flow down ratio	rt 2		3.4	C -	6.4	0.4	0.4	0.4	1
4) Russoff ratio	(f.frt-fxr1-2)	· }	0.36	0.34	0.36	0.3e	0.36	0.36	1
5) Rea off politation k≥	Di-atteri	kg tay	٥	0	ા	٥	o.	이	
A2 Politice Inst (Seb-basic BS%)	i	l í						i i	ĺ
1) Follution 3rd produced	12	kgy	0	연	٥.	0]	0	0	
2) Flow-out exits	G1	•	0.9	0.9	0.9	0.9	0.9	0.9	
3) Directions two	12.2	<u> </u>	C.6	0.6	0.6	0.6	0.6	0.6	
4) Rug-giff gwid	C(C-15C-2)	i - I	0.54	0.54	0.54	0.54	0.54	0.54	
S) Run off pellution load	D2+ a2 y r2	وبدرية	D	0	이	Ð	이	이	
AS I will man of postulion had found sometime to be used	06-96-00	l g/day	٥	어	٩	c	٩	٩	1
Industria waste water		!		ł		į		i	
Bi Polistica kad from rajar producers	I	I I	ا		ار	ار	اب	.1	I
1) Politrica lead graduated	bit	a grand	0	9	역	9	o.	머	I
2) Flow and risks	C1-1	•	j	I	- 1	- 1	1		ļ
3) Flore-davia ratio	e1t-2	I · I			.1		اء	_ J	1
4) Rus-off mile	rit (rill-incli i)	I I	0	9	9	Ð	C	9	1
5) Run-off political keep	11-b(x+11	i g day	0	이	٥	D	0	o	- (
83.Podution load from large and predium scale industries				ì	- 1				
t) Polision load producted	P5	13:30	2.460	2.450	2,460	2,460	2.450	2.460	
2) Flow-out ratio	c12-1	1 1	0.9	0.9	6.9	0.9	0.9	0.0	
3) Flore down tolor	राइ-३	1 1	ده	د٥	0.5	0.5	0.5	0.5	
€ Rus-pH raio	fri2 (r12-(vri2-2)	1	0.45	0.45	0.45	0.45	0.45	0.45	
Si Rus-off politoise had	12- 826 r12	وبك وا	1.167	1.10?	1,107	1.107	1,107	1.107	Ł
83 Pollution load from small scale industries		1 1				i	1	- 1	- 1
<ol> <li>Pollution Kind produced</li> </ol>	h3	k, day	550	5+0	580	580	5%	3.60	1
25 Flow-out ratio	c13-7		0.9	0.9	0.9	0.9	6.9	0.9	
5) Flow down mile	rt3-2		2.0	0.5	0.5	0.5	0.5	[ده	
4) Rea-off ratio	(i3 (rt3 (vrt3 2)	- 1	0.45	0.45	0.45	0.45	0.45	0.45	
5) Res off policies had	D-63 tr 13	gg Trix	⊋61	26:	261	261	241	26:	
B4 Total moself pollution lead from the industries	tt-11+12+13	Rg duy	1,368	1,363	1,268	1,368	13/8	1.368	- 1
C. Agricultural pollution load						1		l	1
CI Polution land from Solds*	c1	k, day					į.	- 1	
Particion lead produced     Province train	f\$1-1	1.0	<b>}</b>				1		
3) Flore deres ratio	121-2		1		1		- 1		l.
4: Rus-off ratio	G1 (G1-14G1-3)	1 -			[	Ŀ	1	1	1
S) Run-off pollution lead	At-cit Cl	to any	1		: I		I	ŀ	1
C? Pointing land from his estable	1	1			¦		i	ı	1
1) Pollution load produced	c2	12 0.0	91	<b>9</b> 1	9;	9:	96	9)	1
2) Flow out ratio	G2-8	1	0.05	0.05		0.05	0.05	0.05	
3) Flow down ratio	C2-7	1 -	0.5	0.5		0.5	0.5]	0.5	
C Res off ratio	(22(+27-14/22-2)	1 .	0.025	0.025	0.025	0.025	5.025	8025	
<ol> <li>Russoff politicing lead</li> <li>Total masoff politics lead from agriculture</li> </ol>	A2- e1 x y22 Ad-A1+A2	k, day ke day	2 2	2	2	2 2	3	2	- 1
		""	1	'	]	1	1	Ĩ	- 1
D.Other souces		i	1	l	I		ļ	1	1
D) Polation load from others	l <sub>an</sub>	1	580	ا	580	580	580	SRO	
Following load produced	idt-J	L, cu)	0 05 0 05			0.05	0.03	0.05	
2) Flow-out ratio 3) Flow-down ratio	131-2	1 .	0.5			0.5	0.05	0.05	ŀ
	(3) (6) (103(-2)	1 ,	953			6225	6225	0.025	i i
4) Rea-off ratio 5) Rea-off pollution load	Od- di 1 (3)	Ba day		15	15	15	15	15	1
III. Water quality at control point			1						
E.Water quality monitored	Ł	1	1	1	Į.				
1)1954	l	- 63 a	.1	I	6 ?				6.2
2)A-emgr(1992-1795)	ĺ	1	1	I	١ *.				~~1
3)MeG ad(1992-1996)	1	1	L	ı	1	i '		į (	l
S Send of adulation	ı	ı	1	I	1	l		i i	i
1/Total run off polaries lead	E-ID-DC-IS+AS-Od	يتاريه	. 4379	374	975ه اه	4,37)	4372	4.37	4374
2) Water flow	8	63.		1	8.1	I''			8.1
	13								* "

Note: "Follower load from fields is included in other sources

Table-3(9) Caluculation of Water Quality (BOD) at Pelayaran (2020 : Case-I)

legs	T	42.44	3.4	200	A44 1	>; [	CO.	_ <u>`</u>	No albora 150 Val
Pullotice kad from upstream	ţ	1.27.25	·		1	—— i			
HWater studies of int the of some condi-	100	mg3		!	25.0	- 1		1	
2 (Water flow of intake of your canal	00	Hel S	l	ŧ	6.0	- 1		1	
3 Pall stion had few up-up-an	te-resco	kg'day	1	-	12.95	i		. 1	
4) Run-off pollution lead form upour am	10-00-00	1222	1	į	249	- 1	ì	. 1	
L Pollution had been sub-busin			ľ	- 1					}
Libert die nade naier		l 1		- 1					Ţ
A) Polistica food		1 I		- 1	1				į
() Politation lead produced	se .	Lectay	68	6R	68	68	68	6×	
2) Flow out caid	71-1	7.	8.9	0.9	6.0	0.9]	0.9	5.9	
J) Flow-Cows ratio	11-2	l . I	0.2	0.2	0.2	0.2	0.2	0.2	
4) Pun aff maia	rl (r) (xc) 2)		248	918	D.18	0.18	0 (6	0.18	
5) Run वहीं इत्सीमध्येत रेजर्च	Die al met	\$ g day	(2)	12		12	(2)	125	
A2 Total restoff pollution load from demestic wave water	D6-D1	ka'day	12	12	12	12	12	12	
k ladustria page paier	İ	}							Ì
83. Polistice load from major producers	1	† I	l	1	l i	- 1			i
() Politaion lead produced	14	25 0.05	54,000	84,000	[ 100.00	\$4,000	84,000	84,000	i
2) Flow-out ratio	dia .	7,000	0.9	0.9	0.9	0.9	0.9	0.9	
3) Flow-down ratio	d1/2	1 , [	0.00	0.00		0.00	007	0.02	
4) Rub-off ratio	d (d) test-p		0.018	O CLR	6016	B:0 d	0.0:3		I
Sy Run off polistica keed	11-51 5 (1)	kg day	1.512	1513		1.512	1512		
B2 Pollation lead from large and medium scale industries	1,	[ ]	, ·- · · ]					'	I
() Polytion load produced	82	L Cup	154	164	16.4	164	164	164	ı
2) Flow out ratio	031	-,,	6.9	0.0	C.9	0.9	0.4		1
I) Flore down ratio	(12.2	1 . 1	0.2	0.2	0.2	0.2	0.3		
4) Rus-off rain	r12 (e)2-1(e)2-2)		9.18	0.18	0.19	9.13			
5) Run-off pollution lead	12-32-612	k, day	30	30		30	30	30	
B3 Pollution load from small scale industries		~	.~[		i ï			1 1	ì
1) Politice lead produced	ьз	ونك ي	33	33	33	33	33	23	
3) Flow out ratio	r13-1	- E Y	0.9	6.9		0.9	8.0		- 1
3) Flow down take	:332	1 : 1	0.2	0.5		0.7	0:		1
4) Rus-aff ratio	(13 (c13 txc13-2)		0.18	9.18		0.18			1
	13-63-13	1 day			1		6		
Sy Rue-off pollution load B 4 Total nat-off pollution load flum the industries	Id-2:+12+13	kg day	1.537	1,54?	150	150		1547	
C. agricultural pullution lead								<b>1</b>	
C) Politica lead from fields		1			] ]			1 1	
f) Pollation load produced	c3	k p day			!!			1 1	<u> </u>
2) Flow-out ratio	121-1	1 .			i I			1 1	
3) Flor-down ratio	121-2	1 -	1		1 1		l	1 1	1 1
4) Rus-off ratio	G1 (G1-1x(2)-2)	٠.			1 1		1		i I
5) Record pollution lead	At- etuill	tr cry			1 1			[	
C2 Politica load from livertok		1	٠	يو (	ا., ا	56	56		
1) Pollution load produced	c2	بده ع د	56	0.2		6.2			
2) Flow-out ratio	r22-1	١.	0.7 0.2	0.2					
3) Flow-down ratio	r232		054	804					l 1
4) Run-off maio	(23)(22-15)(23-2)	1. 1		0.04	1 000	7	01.	i "";	1 1
5) Run-off pollution lead C3.Total run-off pollution lead from agriculture	A2- 01 x 62 A2-A1+A2	ty cay			3	2		2	
O. Other sources	1		]	•			ì	1	1 1
Ot Patrice load from others		1		ĺ	I		1	i	l l
() Pollution load produced	d)	ke day	113	1 113	3 21)	113	11:	d 13	l l
2) Flore-out ratio	31-1	1	0.2						l l
3) Flow down pain	31-2		0.2						l I
4) Rus-off ratio	d1 (31-5:33-2)	1	0.04						
5) Run-off pollution lead	Q-41131	kettay		'	5	5	4 :	\$ 5	
ULWater quality at control point	1	1						l	
E. Water quality monitored	1	1	1	ł	1	l	!		1 1
1)1994	ı	ang?	1	Į	12.9	(	1	1	12.9
2)A-crage(1992-1996)	1	1	I	I	!	i	1	ì	
3;Median(1992-1996)	l .	1	1	I	1	I	1	1	
F.Result of calculation	ı	ı	I	I	1	l .			Il
lyl and may off polytica load	L-L0+00+10+A2+00	kg (da)		1.564			1.56	6 1,566	1.610
2)Water flow	\$ \$-10	m3 i		l	3.2		1	1	22
3/Wirer goodley	1c-t/0	rel	1	l	1 66		L	1	6.6

3/Warer quality

Alice - 2 Pollution Food from Solds in implicated in other cases

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Table-3(19) Caluculation of Water Quality (BOD) at Porong (2020 : Case-I)

tems		write.	194.	10.	Ace	21	COL	No. 140	(Dr. 75)
Politicia kad disen uparenn			l l	- 1	1	1	- 1	- 1	i
है। में क्रिया प्रेश्चारिक की ग्रह कुत्र का रूप कर कर हो	Co	m <sub>ĝ</sub> ]	1	1		- 1	1	- 1	i
2) Water flow of option of voice cared	Ç0	2.7.5		1		- 1	i	- 1	- 1
3) Politotine level from up-times	to-corce	152.7				- 1		- 1	- 1
4) Run off politicing had from updatum	ro-co. 10	15 1 y			-			- 1	- 1
Pollutina load from sub-basis					1		- }	- 1	- 1
Duranta water	1		i				ļ		1
A3:Pollution load	· I	1	1	1					
1) Pollutine had produced	at .	15 27	23	0.0	21	23	23]	0.9	
2) Flow-out rain	44		0.9	D.9 G B	0.0	0.9 0.8	0.9	0.5	
3) Flow-down ratio	71·2	*	e n	0.72	0.12	0.92	6.72	6.72	
4) Russaff cario	d (rt-fxr1-2)		0.72		0.1.7	17	17	(7)	ŀ
5) Run off pollution lead A2 Total run off pollution had from district which wilds	0(-a) v r) 98-5)	kg tay kg tay	12		- 5	- 3	12	6	1
·		1		l	i	Į		j	
B. Industria waste water	1			- 1	- 1	- 1	1	- 1	
Bit Pollution lead from recipir producers	ы	التعيا	ا	ال	,		A.	ام	
Politrion lead produced	M (1)-1	رىد و ا	٩	٦	ĭ	~	ĭ	ľ	
2) Flow act ratio	(1)-2	'	1	!	- 1		- 1	1	- 1
I) Flore down ratio 4) Run off ratio	rD (rH-1sr)1-D	1 : L	ы	ام		c	J.	o	i
	III-Marti	kg day	اة	a <del>l</del>	ä	0	ä	a)	
5; Num-off pollution lead  3; Num-off pollution lead  3; Publishes lead from large and medium underindustries	1101471	-2 X	។	ĭ	7	٦,	1	ገ	
H. Pathyline load produced.	h2	وحادو ا	55	55	55	<b>5</b> 5	5.5	5.5	
2) Flow out male	ri2 t	-57	6.9	66	6.01	0.6	6.0	0.9	
3) Flow down raio	03-3	1 [ ]	0.8	0.8	0.8	0.5	0.8	0 =	
© Rug-off ratio	r)2 (r)2-(sr)2-2)		0.72	0.72	0.72	0.72	0.7	0.72	ļ
5; Rup off pollution food	12-12:112	kg day	40	40	40		10		1
B3 Pollytice lead from small scale industries		1 1			- 1				1
1) Politation total produced	13	t, day	11	11	10	- 11	11	1:	1
2) Flow out a tide	113-1	"""	6.9	0.9	0.0	0.0	6.9	0.9	
3) Fire -Scrip ratio	rt3-2		0.8	0.8	0.8	0.6	o al	0.8	
4) Rea-off ratio	e(3.0ri 3.0sr) 3-25	1.1	6.72	0.72	0.72	0.32	0.73	0.72	
5: Run-off pollution land	O-60x:13	ودة ونا	8	a [	8	8	€,	8	
BATHE run-off pollution lead from the industries	M-11+12-13	kg day	43-	45	48	48	335	43	i
C.Agricultural politation load				- 1	1	ł	}		
CI Politics lead from Seids*		1	I I		L	1	1		
1) Pariution Inad produced	<b>c</b> 1	ke day	- 1						
2) Flow out ratio	ena.	1 - 1	1		i			•	
3) Flow-down actio	21-2	1 . 1		- 1	1			- 1	
4) Rus off ratio	rat (rationalis) Alexanda	1		- 1					- 1
5) Rup-off pollution lead C2 Polution lead from livertok	A:= 638 G1	وملة ي 🗈				1	i		- 1
t)Pollution lead produced	<b>c2</b>	Rg Cay	191	إوبا	19	19	19	19	1
2) Flow-put ratio	(22-)	,,,,,	6.3	0.2	0.2	0.2	0.7	0.2	
3) Flow dewn sale	62.2	1:1	0.8	0.9	0.8	0.8	0.8	0.8	
© Run-off ratio	122(122-1x/22-2)	1 . 1	0.16	0.16	0.16	0.6	0.16	0.16	- 1
51 Run-off pollution boar	A2-111-22	Ryday	3.04	3.04	3.04	3.04	3.04	3.94	ì
C3.Tatal manoff pollotion lead from agriculture	A0-51+A2	Rg day	3.54	304	3.34	304	3 04	3.54	
D.Other souces				ĺ	l		- [	1	
Di Polision losé from others	į.	ş	- 1			1	- 1	- 1	
() Pollution lead produced	dı	25.00	38	38	38	38	38	38	
2) Flore no casio	13t-1	1 - 1	0.2	0.2	0.2	0.2	0.2	0.2	
3) Flow-dows railo	B62	• 1	0.8	O N	0.8	0.8	ŭε	O.B	,
4) Ron-off ratio	r3t (r3t-bir31/2)	١ ٠	6.16	0.16	0 16	0.16	0.16	0 16	1
S) Real off pollution load	Od- di u 131	tg'day.	630	6.90	6.00	6.9C	6.00	6.00	
III. Water quality at control point	1		i	ļ	1		-	į	
E. Water quality monitored		1 1		- 1		I	- 1	1	
1)1994		Eg1	1	- 1	9.3	I	- 1	1	9.3
2)Average(1992-1996)		1	I	l		I			1
3;Median(1993-1996)			I	l		j	ļ.	i	
			ı	- 1		1	- 1	T I	
F.Result of caferlation		1 !	. 1	,		1			
F. Remain of catacle from  1/ Foral monoral position load  2/ Water flow	E-10+06+18+38+08	kg/day m3 s	73	73	73 0.06	13	23	7.5	73

Nee: "Polluting lead from fields is included in other season

Table-4(1) Caluculation of Water Quality (80D) at Burniayu Bridge (2020 : Case-II )

Dr. Dr.	[I	with }	6.1	1,00	A.55	. 82	tA)	N >>	De De	75.53	4
Pullishin had ben upstream		i								i	
4)Water quality 2)Water Ross	CO.	er g T	- 1				l i	1		l	
2)* 221 1624 3)Policing I not finan apartum	15-02-05 (0	ಥ3ತ ಕ್ಕಿ/ಪ್ರು								ļ	
4) Run-off putition load from aparetical	in	1200						i	İ	1	
l. Pullution lead from sub-basin		- 1									
LDomesic waste water	1	ļ								1	
A4 Poliution tox4 (Sub-Sarin 8100)			i							l	
t) Politising Inad produced	[4]	kg/Cay	8v?	85	84.7	897	\$U	897 9.3		l	
after-compo	63	: I	93	0.3	0.3 0.1	0.1	0.3 0.1	0.3		l	
3) විශය ප්රායේ පාර්ය 4) මහ පරිතිකාව	41-2 11 (rt-turt-2)		0.07	0.03	9.03	003		0.03	į	1	
5) Run-off politice lead	D -1  51	kg day	27	27	37	22	27	27	}	1	
A2 Politation food (Sub-basin BCC)		1			ı	<u> </u>				İ	
1) Pollution load produced	1.2	ag day	757	737	757	757	157	757		ļ	
2) Flow out note	<u>  [2]                                   </u>		0.5	0.5	0.5	0.5	05 04				
3) Flow down this C) Run-off tabo	r2-2 r2 (r2-15r2-2)	· I	0.3	6.4 6.2	0 4	0.4	0:				
5) Pun-sti poliušos kad	D2-+3 (+2	13 22	151	15:	15:	15:					
A3 Pullstine head (Sub-basin BC30)	10. 54.11	-3	```	,,,	1	1	l	1	i		
1) Pulletion lead produced	3	Ly Cay	6,539	6.50	6,539		6.5%		1	ŀ	
2) Fice-out-pile	r3-1		0.7		0.7	[ 0.7	į 0,			1	
3) Fire down ratio	13-2	i ·	0.3	0.							
4) Rucoff mile	13 (63-14-63-2)	ا ن ا	9.21	621	921				i	1	
5) Resport pollution load  ## Published and (Substance Res) to	D3~ a3 a c3	L; (ca)	1.362	1,367	1.367	1.367	1,367	1,367	l	1	
A4 Polistine lead (Sub-hassi 900k) 2) Polistine lead produced	14	ويقانونا	9,215	9,215	92.5	9,245	9,215	9.212	1	1	
2) Flow out mile	14 1		0.7	0.7		07				1	
3) Flow down main	:42		0.3	0.	0.3	( <b>9</b> 3	0.7	0.3	ŀ	1	
4) Pun-off natio	:4 () 4 (tr 4 2)		0.21	0.21	9 21					1	
5) Ran-off pollurion food	Der die ei	kg cay	1,935	1,935	1,931	1,935	1,935	1,930	ì	1	
A3 Pollution load (Sub-Suin BC22)			3.041	300	3.023	3,523	3,021	3,002	J	1	
1) Poliution lead produced 2) Flow sad mile	15	kg csv	3,023	3.02 0						1	
2) Flow down train	43-2		03							1	
4) Run-off ratio	(\$3 (\$4x52)		0.72							1	
S) Run-off politicion load	05-25-6	kg day	2,177	2.17	2,17	2 177	2,37	2,171	4	1	
AS Total no off pollution bad finer & mertic water water	04-01-02-03-04-01	hệ đay	5,657	5,65	5.65	3,657	5,65	5.65	ľ	1	
Industria weste water			l		1	1		1	Į.	1	
Bit Pollution lead from major produces			!		l	ļ		ł	1		
1) Pollution had produced	61	ke cay	306								
2) Five-out nois	61-1	ļ · i	0.9								
3) Film-dung ratio 4) Rus-off ratio	111-2 -01-60 (1-41-1)	•	0.43							ļ	
sy Run-off ratio Sy Run-off pollution lead	r)   (e15-5xc)  -1)   (= b)   e e12	يدك ينا								1	
B? Politoine load from large and medium wale inductions	1.,	1.	Ι ″	l ^	T ^	1 ~	1 ^	Ί ΄	1	1	
1) Padution load produced	62	22 629								1	
2) Flow out ratio	r42-1	•	0.7							İ	
3) flow-down ratio	rt 2-2	1 -								Ī	
4) Remoff ratio 5) Remoff published load	752 (c12-(nr) 2-2) 12- 52n r52	kg day	3.58							1	
B) Pollution load from small scale industries	12- 92(F12	ag cay		````	`  *. <b>*</b> *	````	1	```	1	i	
Polletion load gradued  (i) Polletion load gradued	b3	Agrees y	3.63	3,43	2 3.43	2 3,43	2 3,43	2 3,43	2		
2) Flow-out ratio	ri3-1	1	0.7			7] 0	7 G.	7 0.	7]	1	
3) Flow down state	rt3-2	١.	Đ.4	4 0.	a  0.					1	
f) Ruo-off radio	rt3 (r:3-(xr13-2)	1. :	0.31							1	
5) Run-off pollution had from the industries	D-63-c13 M-11-12-B	Eg day								1	
	1	[ " "	1	1 "	1	1	1	1	1		
C.Agricultural pollution load C1 Polution load from 6-04.*	1	1			1	1	í	1	1	ı	
(*) Polistica load from t-cids**  1) Polistica load produced	e:	1200	Į.	1	í	1	1	1	1	1	
2) Flored mio	:21-1	<b>`</b>	1		1	1		1	ţ	1	
3) Flow down ratio	21.2	-	I	1	1	1	1	ļ	1	1	
4) Run off railo	(2) ((2) (x(2)-2)	1, :	j	ł	1	1	1	i	1	1	
S) Run-off prilation load C2 Polation lead from U-ratok	A2- c3x v21	رث و ا	7	1	1	1	1	1	1		
1) Pollution land produced	c2	Ly day	21.27	6 21.2	6 21.2	6 21,27	6 21.27	6 21.2	6	1	
2) Flow-out casis	c22-1	1	9	0 (د	1 0	1 6	ıl o	4 0	r I	1	
3) Flow-down ratio	C2-2	1 1	0		3 0	3 0				1	
4) Rug-off ratio	(22(r22-1ar22-2)	Li	02							1	
<ol> <li>Rug-off pollution load</li> <li>Total me-off pollution load from agriculture</li> </ol>	A2-cl 1 (22 A4-A1 (A2	ke/day									
•	1	1.	1 ~	1	1 "	1 -	1	<b>\</b>	1		
O.Other souces	1	1	1	1	1			1	1		
Ol Policios load from others	1	1	36.67	رير اي	-l	n 2443	n 35.45	n	~l	1	
1) Polition lead produced	41 131-1	k, da	36,67			30,62			3	ı	
2) Flow down ratio	(31-2	:	ŏ						3	1	
4) Run-off raid	r31 (61-1m31-2)	.	0.0	3 00	33 60	3 00	3 0 (	3 90	>3	1	
5) Run-off pollution load	Od-dlxt3:	k, da			P) 1.0	ત્રા 🔊	<b>₩</b> 1,0	29 I24	~]		
ELWater quality at control point	Į.	ŀ	1	1	i	1			1		
E. Water quality monitored		1		1	1		1	1	1		
1)2954	i	mg1	6	.3 9	1	.8 8	4 7	· 6 2	· 5   1	2	
2)A-crage(1993-1996)	ĺ	1		1	1			ĺ	1	-	
3/McGae(1992-1996)		1	1	1		1	1	1	1	1	
F.Result of calledation  ()Total non-off polation load	L-LO-DO-Ed-Ad-Od	li, ca	12.40	N 12.4	29 12,4	59 i2,43	12.4	24 12.4	25/ 12.4	No.	
1) total region) potencia losar 2) Wyser Row	2	m3:	10			0 10	о н			0	
										1 4	t

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WQ-31

Table-4(2) Caluculation of Water Quality (BOD) at Demangan Bridge (2020 : Case-II)

[tr.ths	LI	uniters	lan.	16	vur.	No. 7		NA AVE	Dr. 354	V.9
uttution tood from up dream	<sub>~</sub>	امت		2.7	الد	6.6	4.3	3.8	l	
1)Warriquality of Locayo Dum (460)	0	mg1	20	5.0	610	57.0	107.0	23.5		
Toward flow of Lodayo Dark	Se		12,442			32.50	30,253	23,962	l l	- 1
3)Polluone Irod from upon sto	in-cordo	kg day kg day	2 488	E30	4533	6.101	7.551	1,793	- 1	ì
की है कर कहीं ≱पी का का के को किया का का का का	LACTOR CO.	.,		11					- 1	
Pollution had burn sub-basin			1			- 1				
Dume sic waste water	1	1		Į		1		ļ	- 1	ļ
At Published lend (Sub-hade 8142)		[	13:2	133	1312	1.342	1312	1312	ı.	
t) Politaine lead product f	al rt-1	<b>k</b> g duy	0.3	0.8	0.9	0.8	0.8	0.8	1	
2) Flow out ratio	4-2	. :	0.2	0.2	0.3	0.2	0.3	0.2	- 1	
3) Flow down exic	d (d-tart-2)	· 1	D 16	0.16	0 16	0 16	0.10	0.16		
4) Rea-off paio	Ote at a ri	ks 105	210	210	210	210	210	210	!	
5) Rug-off poliuson loud	(0, 0 × 1 × 1 × 1	3,737	-,-/	1	- 1		- '']	1	- 1	
A3 Pullution lead (Sub-hut in B150)	52	kg day	1.73	1,731	1.733	1.73:	1.731	1,931	- 1	
1) Pollution lead produced 2) Row out ratio	€1	-3,i	R.9	0.5	6.0	0.8	6.8	0.8	- 1	
3; Flore down cat 0	6.3		0.3	0.3	0.3	0.3	0.3	0.3		
4) Run-off ex-o	(2 ((2-(x/2-2)	. 1	0.24	0.24	0.24	0 24	0.24	0.24	- 1	
5) Run-off pollution load	D2- x2 x c2	kg day	4;5	4:5	415	415	415	413]	i	
A3 Published head (Sub-basin 8453)	1	,			· •			ļ	1	
1) Pollution lead produced	v	t g Lay	732	732	132	732	732	732		
2) Revious não	(3-)	1 - 1	0.8	€.3	0.8	0.8	6.1	0.8	ļ	
3) Flore down saile	0.3	1.1	0.4	0.4	0.4	0.4	0.4	0.4	l l	
4) Rus off raio	(3-(3-1)/3-2)	.	0.32	032	0.32	0.30	63:	0.7	1	
5) Run off policion lead	03-13113	kg duy	23-1	254	234	234	234	234	1	
A a Total number perfection lead from domestic waste water	00-01-02-03	ky day	850	360	8-50	860	860	360		
		1		J		l.	ŀ			
Industria waste water	1	1		•		1	- 1	ļ	L	
B1.Pullation had from major produces	l	I I	!	4	6.271	6.221	6.221	6.221	ı	
I) Palluling kud produced	<b>N</b>	جيان پرها	023	6,224	0.3	0.3	0.7	03	1	
2) Rewind colo	z(1-)	1		03	02	9.2	6.5	02		
3) Flow down ratio	41-5	•	0.06	0.06	0.06	0.06	0.54	0.06		
4) Rum-off callo	d1 (d1-1x/11-1)	l i	273	373	373	373	373	373	į.	
5) Run-off pollurion load	11-51 2 (1)	k; 324	27.4	"1	3,3	3/3	"]	• • • • • • • • • • • • • • • • • • • •	1	
BCP during load from large and medium scale inchnisms	b2	1.4.	2.608	2.306	2.908	2 808	2.808	2.808		
() Pollution had product		k-da-	0.8	0.3	0.8	0.8	03	0.8		
2) Flore out raid	(r)3-1 (r)2-2	1 ' 1	إدة	03	0.3	0.3	0.3	63		
3) Flow down ratio	rt2 (et2-tur42-2)	ΙĽΙ	024	0.24	0.24	0.24	0.24	9.24	l	
4) Rup-off nels	12- 62s r12	ks Cay	674	574	674	674	674	674	i	
5) Run-off production lead	14 67 117	1.0	· "	- 1	- 1		· 1	· 1	l i	
B3 Pränties lead from small 9 sie orderties 13 Politisien toad produced	<b>6</b> 3	kc day	617	617	617	617	617	617		
	73.1	1	6.8	0.8	0.8	0.8	6.8	0.8		
2) Flore out ratio 3) Flore-down ratio	13-2	! . I	0.3	160	0.3	0.3	0.3	0.3	ŀ	
a) Russoff ratio	rt3 (rt3-14rt3-2)	1	0.24	0.24	0.24	0.24	0.24	0.24	1	
5) Rus-off pobulos toad	(0-b3xr1)	رىق چە	148	1 48	148	1.49	(13)	149		
Salter for all policies lead from the industries	td-41+02+03	ks duy	1 195	1.195	1,195	1.195	_ ussi	1,195	ŀ	
		il	ļ	1	- 1	1	- 1	- 1	- 1	
Agricultural pollution land	<b>!</b>	[	į						1	
C) Polatica load from Selds"  () Polation knd productd	(0)	kgday					- 1	1		
1) Plant out ratio	r21-4	1 - 1	I	Į		ŀ	I		l l	
3) Flow-down ratio	(C)-2	t - I	Į	1	J	į	- 1	ļ	ŀ	
4) Rup-off ratio	(2) ((2) (1) (2) (2)	1 - L	1	i	1			į	1	
5) Run off podution load	Al-clusti	بنةوة	I	ı		- 1				
C3 Publishe load from Everstek	1	l i								
<ol> <li>Pollutine load products!</li> </ol>	63	*54.	11.258	19.258	11.258	11.258	(1.258)	(1.25)		
2) Flore put ratio	r22-1	1 1	0.3	0.1	0.1 0.3	0.1 0.3	0.1 0.3	0.3	i	
3) Flow-down colo	/22-2	1 ' 1	0.3	0.03 0.03	03	0.03	0.0 (0.0	0.03	,	
4) Rus-off ratio	#22(#22-11#22-2)	المنا		338	338	338	138	338	1	
5; Rus-off polision lead	A2- c4 x r22 A4-A1+A2	kg day kg day	338 338	338	338	338	338	338	- 1	
CitTotal run-off pollution load from agriculture	DE-01-04	1~6~3	- "	"		-,		1 7	Ţ	
0-Other souths	i	}			1				j	
Di Politica faut from others	1	1 1	1		<b> </b>			السيا	- 1	
1) Politaine lead produced	d1	kaiday	10.630	10.620	10.630	10,620		10.620	- 1	
2) Flow out exio	t31-1	1 - 1	9.1	0.1	0.1	0.1	0.1	0.1	- 1	
3) Flow-down ratio	∂1-2	-	0.3	03	0.3	6.3	0.3	6.03 0.03	- 1	
4) Run-off raio	(3) ((3)-1(-3)-2)	1	0.03		0.03 319	6.03 319			1	
S) Run off polistics load	Od- 81 1 13 1	kg/day	31*	349	259	319	1 319	"	- 1	
(E. Water quality at control point							1	j	- 1	
E. Water quality monitored	1			1			l	1 !	•	
1)(994	1	n.g.T	2.k	3.8	4.3	7.5	2.6	3.5	4.0	
2sAversgr(1992-1996)	1	ŀ	I				l	1 ]		
3/Mr.San(1992-1996)		1	I		<b>,</b>		1	1	ŀ	
F.Rout of calectation	1		l	1	] !	i	1	1	- 1	
Lifteral run off politice lead	1-10-D3-13-A3-06		3,200			9.212			2.135	
23Waler Gow	Q	m3/s	62.6	626	626	62.6	626	62.6	62.6	
3 pt v cc quality	[C-1/0	me-1								

WQ-32

Table-4(3) Caluculation of Water Quality (80D) at Jogbrin Bridge (2020 : Case-II)

bera	1	unites	1.0	. Jest	555	×	321	22 - 25	<u>(02) 1948</u>	
offerine had from upstream  1 (Water quality of Ngarenger Earthurg in (2001)	co	m-s7	63	4.8	10.5	3.9	3 8	4.7	-	
2)Water flow of Nigronggo Turnhang on	Ço	m. s	(4).49	36.9	55.6	45.5	32.4	41.9	- 1	
3 plufferion inset falors upons are 4) Ramoff polletion hand from upons on	ro-co-do ra-ca-de	kg day kg day	75.14% 15.350	23,543 4,730	10.088	4,360	17.204 3.442	3.401	ĺ	
		1 1	-		- 1	1	1	-		
Pollution kad from seb-bade Domestic waste water				į	- 1	Ì		1		
Alt Politician Gold (Sub-Nov. 6 8318)	at a	kg/Jay	2663	2662	2.503	2.662	2 662	2.660	1	
<ol> <li>Politation lead produced</li> <li>Flow-out main</li> </ol>	12.2	1	0.8	6.8	0.8	0.5	0.5	0.8		
3) Plane down ratio	r1-2	-	0.0	6 1	0:	0.28	0.7 0.08	0.1] 0.08	ļ	
a) Rugioff ratio 5) Rugioff pollution lead	ri (r)-(s:1-2) Di-afari	kg day	0.38 213	213	213	213	243	313	į	
A2 Politica kind (Seb-bala B3:1)		l I			1	- 1			l l	
Pollution load produced	)2 (C-1	kg day	2.530	2330	2.530	2.530	2,000	2,530 0.8		
2) Flow and ratio 3) Flow down ratio	0.2	1:1	0:	0.2	0.3	0.2	0.2	0.2		
4) Run-off ratio	e2 (r3-txr2-2)	1 - 1	0.16	0.14	3.16	0.16	0 16	0 15	- 1	
Sylkea-off pylleter had	D2+ 27 € F2	4 g day	<b>a</b> 05	*35	* 5	#P5	<b>-0</b> 5	405		
A3-Pullution had (Sub-Parin 8312)  1) Pullution land produced	13	i g day	241	251	211	241	210	20	- 1	
2) Flow out raid	∂-1 	•	0.9	0.9] 0.3[	0.9	6.9	0.9 5.3	0.9	- 1	
3) Flore down toda 4) Run-off toda	O-2 O (O-1xO-2)	1 1	Q 27	0.27	0.27	0.27	6.27	0.27	ŀ	
5) Reside persons trad	D2 - x3 - x3	ke day	57	57	57	57	37	5?	ĺ	
A 4.Pullution load (Sub-basis B313)	34	kg day	50	82	367	297	207	297		
1) Politica load produced 2: Flow-cut miss	1 <b>8</b> 1	"	0.9	0.9	0.9	0.9	0.0	0.9		
3) Flow-down ratio	:42	1 1	6.3	0.3	6.3	0.7 0.27	0.3	0.3	1	
4) Run-off cuia 5) Run-off gettation lead	:4(:411:42) D4- 24:14	رت و ا	9 27 90	0 27 HO	80	92	80	80	İ	
A5 Pullurion lead (Sub-basin B314)	<b>\</b>		1	- 1	.			]		
1) Pellution ked produced	ಖ ದ-1	ky day	L1 0.9	11	0.9	0.9	0.9	0.5		
7) Flow out ratio 3: Flow done ratio	r5-1 r5-2	:	0.5	0.5	0.5	0.5	که	0.5	ł	
4) Run-off ratio	r5-3 (r5-(xr5-2)	1. : 1	0.45	C 45	0.15	0.45	0.45	0.45	i	
5) Run-off polletion lead	D5- ಪು. ಡ	1, 22	3	5]	, ,	ી	1	1		
AS Politation lead (Sub-basin B315)  1) Politation food produced	۸	t g day	1304	1,504	1,504	1,504	1,504	1.504		
2) Flow cut ratio	r6-1	Į · 1	0.8 0.6	0.8 0.6	0.8 0.6	0.8 0.6	0 %	0.8 0.5	ļ	
3) Flow-down exto 4) Ruo-off sxio	46-3 (46-14-6)	:	C.48	C.48	0.48	0.48	0.48	0.48	i	
5) Run-off pollutine Road	De-see 16	t g day	722	122	722	322	722	722		
A F.Puttotion End (Sub-tox in \$316)	27	kg day	176	170	170	170	170	170		
\$) Politicism food produced 2) Plow-out mile	17.1	1.0	0.9	0.9	0.0	0.9	0.9	0.9		
3) Flow down taken	17.2	1 ·	0.3	0.8		0.3	0.8	0.8	- 1	
4) Rug-off said 5) Rea-off pollution load	(r7-3 (r7-)n:7-2) (D?- a?n r?	kg day	0.72	0.73 123		6.72 172	0.72 122	122		
AR Pollution feat (Sub-basia 9317)	01.17	`•	1		1 1		•			
1) Pollutice load produced	aff.	he'day	2916	2,956		2.915 0.7	2 916 0.7	2.916	1	
2) Rew-out ratio 3) Rew deve satio	i\$-1 i\$-2	1:	0.7	0.7		0.3	63	0.3	1	
4) Run off raise	18-3 (18-14-5-2)	-	0.71	0.75	0.21	9.21	521	0.21	ĺ	
5) Run off paterion lead	D6-231 /8 D6-D1	kg day kg day	2217	612 2.217	612 2.217	617 2.217	542 2.217	612 2 2 1 7		
A9.Total nun-aff pollution load from during white water	[22,5,236	1			1.57					
Lindustria waste Malet	1	1	1		<b>!</b>	1			,	
B1 Pollution load from major producers 1) Pollution load produced	ът	t grate	55.305	\$5.813	55,815	35,913	\$5,815	\$5,845		
2) Flow-out ratio	r) 1-1	١.	0.05			0.05	005	0.05		
3) Flow-duwn caio	c11-2 e11-(c11-14-12-1)	1:	0.025	0.025		0.025 0.025	602 50	0.025		
4) Run-off ratio 5) Run-off pollution load	It-black	1135				1.395	1.395	1,395	- 1	
B 2.Pullation lead from large and medium wate industries		1	١	j		3,799	3.759	3,799	- 1	
i) Pollution food produced 2) Flow-カン calo	52 r12-1	1 g day	3,759	3,799		0.2		0.7		
3) Flow-down ratio	r12-2	.	0.5	0.3	5 03	0.5	0.5	6.5	l l	
4) Rac off r≤io	ri2(ri2-7xe)3-25	1	380	384		0.1 380	0.1) 380	0.1 333	l l	
5) Run-off pollution load B3 Pollution load from small scale industries	12= 62x r12	kg do	7 ~	<b>1</b> ~~	1 ~		ì ··~	"1	ì	
1) Pollution lead produced	63	kg'da	y] 791				791	792		
2) Flow out rain	rt3-1 rt3-2	,	0.3					0.2 0.3	ı	
3) Flow-down ratio  () Run off ratio	[13-2 [13-3](13-1x113-2)	1.	0.1	:	0.3	0.3	0.1	0.1	ļ	
5) Run-off polleties lead	13-53 ar 13	kg to	75			1854	1854	79	1	
B4.Total rep-off polletion load from the industries	10-11-12-13	ksida	2.854	1 ,,,,	(.854	3,8,4	,	"**		
C.Agricultural polistion land	1	-	1	1	1	1	ł	<b>)</b>		
Ci Polotion load from Seids*	et .	kg/da	J	1	1	I	I			
I) Pullution lead produced  2) Flow-out ratio	₹21-1		1	1	1	I	I	{	i	
3) Flow down ratio 4) Run-off ratio	621-2 621 (621-24621-2)	1:	1	i	1	ļ	l	l		
5) Rug-off pollution load	A1-e11-21	152	<b>)</b>	1	1	1	ļ	1		
C2 Politica load from livertisk	,,	t g da	24,83	8 24,53	8 24,638	24,138	24,936	24,838	Į	
Pullurion load produced     Plew-out exist	722-1	.503	0.0	s} 0∆	S 0.03	0.01	0.05	0.05	1	
3) Flow-down rolin	102-2	-		s] 0.	5 65				ĺ	
4) Rug-off sale S) Rug-off pollution load	(r23)/23-(kr22-2) [A2+k] 4 r22	kg'da	0.02 62							
5) Run-off pollution tood from agriculture	AJ-A1-A2	kg i								
		1	1			1	1		Ţ	
D. Other source D1 Polysics load from others	I			1	1	1	1	1	1	
1) Pollution load produced	dl	kg d	of 1225						- 1	
7) Flow-and ratio	r31-1 r31-2	1:	0.0		5 <b>0</b> 5:			0.5	- 1	
3) Flow down ratio © Run-off ratio	31 (dt-; i31-2)		0.00	S 0.00	3 922	5 0.00	0.02	0.025	ļ	
5) Rus-off pollution load	Od-dix Ot	kg'd.			97 30			7 307	1	
	1			1	ı	I	1	} I		
LE. Water quality at control point  E. Water quality monitored			i	1	1	1	1	1	. [	
E)1954		σg	1] >	5 2	13.	9 3.	4 %	ر 1. ع	58	
2)Average(1992-1996)	l	1	1	1	l	1	1	[ ]		
3,54edius (592-1596)	i			1	1	1	1 _	السال		
F_Result of collectation			حروجاتها	19 9.7	13 15.04	7 <b>5 9.3</b> 7	<b>⊍</b> ] 8.44	O[ 8.401.	11.896	
F.Result of caluctation  \$   Total nun-off polytice load  2 Water flow	C=L0=Dd+id+.45=0	λd kgʻd σ⊒			58.			2 58.2	58.2	

Table-4(1) Caluculation of Water Quality (BOD) at Padangan Bridge (2020 : Case-11)

()

to va Pollution lead from apatresm 1, Warm grading of Berne Tamburyan (1984)	es .	F-g-7	**-	1.0	45	60	12	27	<u>ر می ت</u> که تص	
2)Wiser కోసాల లో Brow Temberges సిమిసిసినించిన ఓఆడే కేరుడు స్వాహినించా	ra-cordo Ge	# (-)	(7,17)	127.9	30 Vo.1	92.0	5.0%	12 6 2 9349		
4) Run off got other land from systems	\$&-(@\_C	t⊊ Cay	6243	5.0%	)2.33n	3,605	2.043	1,170		
Pulluting head from this besite Description waster water					- 1					
A   Falt as in lead (Sub basis BSG)			أبيه	40	643	643	4.0	642		
Published had produced     Pleasant race	11 4 1	F & Carlo	0.9	6-65	0 9	0.4	0.9	0.9		
3) Flore disses make 4, Rust self carles	ब-2 त (व 1) त 2)		091	0.9 0.%;	0.91	65:	69 65:	0.9. 0.8:		
Si Rum off polluture hand	Disal Life	<b>Lg.</b> day	536	530	\$70	5.36	530	520		
APP Status for the two bases (NA)  1) Policies had profited	a	Lg.day	1,750	1,700	1.20	1.7.0	1.700	1,700	1	
2) Fire out to to 3) Fire done to to	64 8-2	1:1	0.1	6.5	6.5	0.5	0 S	9.5 9 i	i	
4 Run off naic	12 (12-1412 2)	. : 1	0.05	6.05	0.05	<b>0</b> 03	0.95	005		
5) Run of policy or lead At Polician Seat (Sub-basis \$ 505)	01-210	ig day	25	۱,	2.2	LS	15	\$5		
In Politicion had produced 2) Flore-rate rates	3	Lg 3 ry	625j	6.3	655 67	655 0.7	675	615 67		
30 Part distribution	13.2		0.3	0.3	0.3	9.3	63	0.3	- 1	
டி இசு விறைப்ப நேதிக்க விற்றி கரும்கி	r) po-tuded: Di-estrad	\$4.47	0.21	0 3: 1,4	0.21 1.36	0-24 438	0 2- 176	021 136	- 1	
A CP office had (Sub-basin S SSE) 1) Pollution had produced	,,	La tes	346	446	446	446	2-4	**		
It Film commise	t-s 1	I • I	0.3	0.5	0.5	0.5	0.3	0.3		
3) நிலுக் கீருகள் கூரல் 4) நிருக்கி கூரல்	42 464145		0.7 0.50	0.7	0.7 0.5e	0.96	0.7 0.50	0.7 0.5e		
Sy Rute of Frederick had	Dr. Mr. M	kg day	250	250	250	250	250	250		
AS Publisher lead (Sub-base 850°) 3) Publisher lead produced	le.	kg day	7.5	2.	73	33	2)	2,	- 1	
2) Picus dult miss 3) Picus dicust miss	61		0.9	9.9	09	89	09 09	0.9	1	
4) Fundador de la companya del companya del companya de la company	63 (6 to 6 t)		0.50	031	0.61	DR:	0 S :	D #1		
5; Record political food A6 Political load (Sub-Socia \$5:0)	25- a5- 6	1.4 -xy	59				1			
t) Polistica load produced 3: Flore and refer		e an	12-3	1,293	1,290	0,793 6.7	1.297	1 293 6 3		
3) Fion down nero	A 2	•	0.05	0.05	0.05	0.05	005	0 05 0 015	İ	
ම විශාලත්ව පවණ වි) Reconol' ඉංගීමේ සංවශයේ	16.3 (16.61.16.2) Db- 48.16	44.509	0 0 .5 29	19	90i3	9612	19	19	- 1	
A7 Policy in head (See Special See 1) 1) Policy a head produced	1,-	\$4.50	3246	124	3.246	32-46	32-0	3.240		
2; Flore out made	70	1 . [	0.5	0.3	6.5	0.5	8.5	0.5		
ইট চিন্নাক ব্যবস্থিত হয়ওক বট বিয়াস কটি লাভাক	17:3 µ7:1x:2:2+		0 2 0 1	0.2	0 2 0 3	0 2 0 3	0 2 0 1	9.1		
S <sub>2</sub> Non-cit publishes Sond AS Pullishes Sond (Sub-Suite SS12)	07-271-67	16 425	325	>25	325	325	324	324		
1) Publisher Real produced	3	lų Δy	3,943 6.5	5.588	5,93	5,588 0.5	1,525 0.5	5,565 6,5	1	
2: Flore-gut males 3: Flore down males	A :		02	0 3 0 2	6.5 6.2	0.2	0.2	0.		
4: Rue off mile S: Rue off politice lend	18-3 (18-13-13-13) 136 23-18	ա այ	0 ) 59	6 1 598	01 5≤9	0 t 559	₽1 \$%⊌	0 1 559	-	
A # PuBlish on food (Sub-Socia BS(3)	100	1 1	1	ı				- 1	ĺ	
<ol> <li>PriBulish had produced</li> <li>Planning ratio</li> </ol>	]es 1	28.50	361 6 B	3e1 03	364 0.5	361 5.3	361 6.1	26; C 8	ı	
3) Flore dove ratio 4) Res-off exic	#1 #3(#1.5)	1:1	67 050	0.7 0.56	0.7 0.56	0.7 0.50	6.7 0.50	0.7 0.56	1	
5) Run-off pollution loud	09- 171 M	L L,	202	262	2012	202	302	202		
A (0.P abusing load (50b-basis B 51 f)  1) Pollution load produced	•10	Lg day	5,544	\$14	9,1 ₩	5.144	5744	5.144		
2) Fine out min 3) Fine down min	110-1 110-2		0.5 0.2	9.3 9.2	0.5 0.2	6.5 0.2	0.5 0.2	0.5		
4) Rue off raise	d0-3 (c10-1 c10-2)		O t	G 1	0 !	0.1	01	0:	- 1	
5) Run-off policies lead A11 Policies had (545-base 9515)	D10- a22s d0	4, 447	514	\$1 <b>+</b>	\$La	5)4	51	51.4	1	
t) Podistion land produced 2) Plant out these	413 [d]-1	L day	1.845	1,115 0.7	1,213 0.7	2,645 0.7	1,845	1,315 9.7	ŀ	
3) Fire dove new	rt 1-2	]:	0.5	0.5	. 06	6.5	0.6	0.0		
4) Rep- all rates 5) Rep- all publishes local	d1-3 (d1-1 d1-2) 241+ 413+ d1	La dey	0 43 aug	968	0 45 468	0.43 448	0.4C	6C	ļ	
A: \$ Total no off politican lead from Game to: # wie # Akt	D4-D: +94;	1,40	3,139	3,139	3.139	3339	3.139	3.39	1	
Lalipatria result valor		1				l	į	1		
#1 Pullation tood from major produce is 1) Pollation land produced:	pr.	ag day		a	٥	0	٥	٥		
2) Flow-ed thic 3) Flow-down rate	ਗ 3-1 ਦ 1-2		. 1	]		į	j	ŀ		
4. Run off mile	361 (H1-4461-D	1 - 1	0	9	9	e e	9	o.	İ	
5) Run-off pollution tred \$2 Pollution load from large and modern make industries	21-51:41	kg day	٥	0	٩	6	٩	ាំ		
() Pathetics had pralained	62 43.1	12744	3,975			3.575	3,075	3.875		
2) Flore-out sicle 3) Flore down raise	93-3 93-1		0.5			0.5 0.4	0.5	3.5	ļ	
d) Run-off reto 5) Run-off poli-from leas	m2 (m2-15-m2-2) 12- 620 m2	lg Say	0 s 1 550	0.4 1.550	0.4	0.4 1.530	0.4 1.550	0.4 1.550		
33 Padiation Sout from small scale advistrers	- }	1 1			] }	1		- 1		
() Pull sine faut produced 2: Flore our take	43-1 F)	Lg Jay	1 p 26 6 8	(Q) LO	1,0.25	.c.a.i	100 10	0.028	1	
3) Flore deves no o 4) Rum-off notio	43-2 43 (43-1443-2)		65 04	93		0.5 0.4	0.5 0.4	0.5	1	
5) Run-об ровина load	(3-4, art 3	ag day	423	431	401	413	417	401	ļ	
B4 Total pursuit polistical load from the industries.	ld=1:+12=13	1 g May	1,3461	1.961	1.961	1.966	1,960	1.961		
C.Agricultural pelletion had Ct Folgron lost from folds*							1			
1) Pollution land produced 2) Piles and ratio	101 I	tgiday		l						
3) Film down mile	C1-2									
4) Russoff ratio S) Russoff pollution load	(0) ((2)-(1)(0)-2) A1- 6(6 (0)	14.00		l						
C2 Polyrian land from tovotch 1) Pullation land graduated	e2	ريدينا		49,134	49,114	49,1:4	#9,11.4°	45,114		
5 Pare contraction	a2-1	•	01	0:	0 1	0.1	6.1	01	-	
3) Flore domes ratio 4) Rism off ratio	6262 66223		0.5 0.05		0.05				1	
5) Run off politicist food Ch Total nan-off politicist had from agriculture	A2+e1 = r22 A2+A1+A2	له ځا د که کا	1.46	2.4%	2.40	2,456 2,456	240	2,456 2,456		
·	[	1	•••	l ***	1	```	l ```			
O.Other sources Di-Polation land from others	Į.					1				
Politains food poul-scal     There-and rates	41 r31-1	ag day	36,440 £1	76,64 0			36,44C	36,440 1 0	- 1	
3) Three-down ratio	e74 - 2	:	0.5	0:	5 65	0.5	0.5	0.5	- 1	
Right off rates Sy Rest-off pullwish houd	63 (63 4x61-2) 64-41 x 63	lg år	6.05 1.022		\$ 605	0.05	9.05	0 05 (422	- 1	
	]	1	1 "	] "	Ϊ ΄΄	]		[ `~~[		
10.Water quality of control point E.Water quality monitored		1	l	l		l	ļ			
	1	E-S.	6.6	4)	•3	30.6	20	7 5	6 D	
t)I994	1	1 -			1	1				
1) 1994 F. Records of culturalistics 1) Research of culturalistics 1) West control of polytects had 1) West characteristics	E-08-06-12-84-0	- 1	16247						14357 353	

Table-4(5) Caluculation of Water Quality (BOD) at Canggu Tambangan (2020 : Case-U)

	7	by Rail Ca	1:6	Jari.		N9		N.5	Asc Dry	757 N.A.
Pullution lead from apaream	1 3									
LyWin or quality of Participan (PPC)	Cu :	ES1			Į					}
2; Water flow of Padangus	CC .	m3 s	1	ļ		- 1		i		
327-E-tien lead from opeter on	10-020	kgday	16 247	144,4	21.63	13.07)	11.393	10.554		
4) Run-off p. Busine lead from system and	rv-co-to	kgulay	2 437	2 (7)	3.241	1961	1.70%	1.363		
L Pollution lead from sub-basin		i						1		
Domestic water water		- 1			1					1
A1 Pollution load (Sub-basin 8619)		· I			}					]
I) Polinica load produced	121	دو دن	2:9	510	210]	2:50	210	214		
2) Electrical ratio	44	i •	0.6	0.0	0.4]	0.9	0.9	0.9		l
3: Flow down colo	#1-2	·	e a	0.4	0.4	0.4	0.4	0.16		l
4) Rue-off rails	rt (ct-tref-2) D1= a1 x st	l I	0.36 79	9.36. 74	3.4	79 79	0.36	0.16 79		l
\$) Russoff politation knot A2-Politation knot (Sub-Scalin SeCO)	U;-31 € /-	#8 gal	"	,-	i "i	/ 9			}	l
1) Pulleting lead products	12	بث عد	26.7	202	200	302	202	262		1
2) Plow-out ratio	21		0.0	0.9		6.9	6.9	0.9		ŀ
3) Flow down maio	(2-2		0.4	9.4		0.4	0.4	0.4		i
4) Rub off Falo	(0.6(0-1x/0-2)	. 1	0.36	D.36		0.30	0.4	0.16		i
5) Run off proution load	02-12112	kg đay	73	73		73	23	7.)	ĺ	
A3.Total moroff pollution load from dimensio ware water	06-01-02	kg Ly	(32	452		152	152	152		İ
Industria wa de water		,			li					ļ
Bt.Pallation load from major producers		i I	Į							l .
1) Politation load products	ы	kg d.y	3.125	8,124	8,329	8,139	4,139	8.129		i i
2) Flow-dut catio	r7 t-1		6.9	0.9		0.9	0.9	6.9		I
3) Flow down ratio	et ( 2	1 , 1	6.7	0.4	Ē 0.≤	0.4	Q. 4	6.4		I
4) Rua-off salio	rat (data (e) (-1)		0.36	0.36	0.36	0.36	0.36	0.36	ł	ı
5) Run off pollution lead	15- M x rt 1	kg day	2.926	2.926	2,926	2,936	2,906	2.936	l	ĺ
B3.Pallution lead from large and medium scale indication								l	l	1
1) Pullation load produced	b2	\$6.24	30	. 50		, K	3.7		i	1
2) Flow out callo	r(2-1	•	B 9	0.9		6.9			ì	i
3) Flow down ratio	r0.2	• j	€.4	0.4		0.4			ì	
4) Run-off ratio	et1 (rt2-test2-2)	l. •.	0.36	0.34		0.36		0.36		
5) Run off pollution load	(2- h2s <12	k, diy	20	24	" ≥>	2%	2%	20	ì	
B3 Polluting lead from small scale industries		J	il			2:	l	21		
I) Politica load produced	63	# C CTA	21	21					j	Į.
2) Firm our ratio 3) Firm down ratio	d3-1 d3-2	1 - 1	0.9	0.4						1
4) Run-off paio	e13 (e13-1xe13-2)	1 1	936	0.4						ĺ
\$) સેવન ભીં કૃત્રી માંત્ર કેવાલે -	Q=60x(1)	kg day	0.50		3			j ''';	<u></u>	
B4 Total nation godinion had from the industries	12-1:452-13	is dry	3 144	114	3.14	3.14	3,14	3.14		
E.Agricultural pollution land		l						l	ĺ	Į.
C1 Polytico loud from Gelds"		1		ŀ	1	t t		l .	l	1
1) Politation lead produced	62	to day		Į.	1			ļ	l	1
2) Flow out ratio	(2)-1	1		i	•		Į.	1	l	1
3) Plow-down ratio	C1-2	١.	i I		1		Ì		l	
4) Rus off salid	(2) ((2) (((2)-2)	L		l	1	1	1	1	1	1
5) Ran off pollution load CZ Polution load from live stok	Al-class:	kg day	1	I	1		1	1	1	1
1) Policion load produced	c <b>2</b>	he day	1,002	1,02	2 1,02	1.02.	1.02	102		1
2) Flow-ma roto	r22-1	,,,,,,,,	نة ا	0.						1
3) Fore-down ratio	122-2	1 .	0.4							1
4) Run-off ratio	(22)(C2-1)(C2-2)	1 .	0.04		4 0 %					
5) Run-off pollution load	A2= c1 x r22	Ng day	4.2	.		4	.] 4	: 4	:}	
C3.Total ren-off pollution load from agriculture	A2-A1+A2	رىدە يە	42	⁴	3 43	4	: 4	4	1	
D.Other souces		1		I	1	l .		I	1	
Ot Polution load from others	1	1	1	ŀ	1		1	1	1	
1) Polleties load produced	d)	kg day	750							ŀ
2) Flow out ratio	131-1	1 -	0.1							1
3) Flore down ratio	61.2	-	0.4							Ī
4) Run-off ratio 5) Run-off politation load	(31 ((31-1):31-3) Od- 3) ((31	kg duy	0.54		e 00 0 3					
		1-2-	1 ~		1 1	1 ~	1 1	1 1	1	
III.Water quality at control point		ļ		ł		į		]	1	
E. Water quality monitored			,,	<u> </u>		,		,		
E.Water quality monitored E)1994		E51	3.4		2 3.	10.	. 5	2 4	9 5	12
E. Water quality monitored 1)1994 2)Average(1992-1996)		e 51	3.4	1	2 3.	10.	<i>t</i> 5	2 4	5	12 :
E.Water quality monitored 1)1994 2)Averag(1992-1996) 3)Med an(1992-1996)		est.	3,4	1	3.	10.	5	2 4	5	12
E.Water quality monitored 1),19-4 2),4-erage(1992-1996) 3,5-kedian(1992-1996) 5.Result of challation	L-14004-1644-104									
E.Water quality monitored 1)1994 2)A-erag(1992-1996) 3)Med an(1992-1996)	L-LA-Ce-12+Ad-03 C-1AO	est tyte m/s	y 5,804	553	13 6.50	s: 533	× 50°	4,95 12	0 5.5: 3 13	

3 Water quality

Table-4(6) Caluculation of Water Quality (BOD) at Karangollang (2020 : Case-II)

Ly to	F1	unios	20	J	761	N.O.	<u> </u>	5-11 A-e	יצר נחס:	Y.
Unition load from up steam. []Water quality of Canges Tarcher gap [1996]	los I	fgm		1		- 1	1	1		Ì
2) Wast flow of Cargo Technique	Q6	al's		]	4 400		5036	. 053		1
3 phobation had from upone an a) Rangell policion had from upone an	וים-נגילה דע-נגילג	kgday kgday	5.3C=2 874	5 538 831	6,50 B	5,32n 754	5,076 761	743	-	
	,	<i>'</i> ]	- 1							
Pullation load Kurn Ad-tosin Denocide name nater				1	- 1				- 1	
A1 Pullation lead (Sub-basis B621)		- 1			ł	Į.				1
1) Pathstion Inud produced		\$ 6.42	342	3-12 G 9	342 6.9	6.9	0.9	0.9		
2) Flow-out care	d 1 d-2	- ; }	6.2	0.2	6.3	0.7	0.9	0.3	- 1	
3) சிலு -ந் அமாவில் 4) இயரு விராவில்	et (et tert-2)	: i	8.6	0.18	0 18	0 (2	0.18	0.18	- 1	
5) Reg-off pellution load	Dientart	kg čay	62	63	62	62	62	62	1	
A2 Pollution load (Sub-hairs Social)		· 1		i	i	l		1	i	
1) Polistion load produced	32	kg day	1.057	1.0%7	1.007	1.057	1.097	1,097		1
2) Pura out railo	64	·	0.9	6.9	0.9	0.9	0.9]	0.9 0.3		
3) Plan-dona raid	6-2 6 (6-1x-2-3)	· }	6.27	6.3 0.27	0.27	0.3	0.27	0.27		
4) Run-off caka 5) Run-off polition bod	02- a2 m r2	44.4	vo.	296	396	3.6	6	296	- I	
All factor on least (Sub-basin 8613)	[,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		- 1	1	- }	· 1	· 1	į	i	
1) Potherion land produced	12	kg day	442	442	44.7	442	200	443	1	
2) Flow-put ratio	(J-1		0.9	6.9	0.9	0.9	6.9	0.9	1	
3) Flow dama saile	d-2	_ ;	0.5	0.5 0.45	2.0 12.0	0.45	0.5 0.45	845		
4) Rug off ratio	r3 (r3-) xr3-2) D3- x3 x r3	kg day	199	199	199	199	100	199		
5) Run off pellotion load A4 Pollution load (Sub-basin B624)	0.200	, ,	- 17	"1	```		Ť I		ı,	
1) Polistica feed produced	أسا	15 day	175	175	175	1.75	175	\$75	- 1	
2) Flow out ratio	:41	-	0.6	0.6	0.5	0.6	0.6	0.6	- 1	
3) Flow down non	r4-2	•	0.2	0.2	0.2	0.2	0.2	0.2		
4) Run-off ratio	r4 (r4 5404-5) D4- 444 (4	البيا	0.12 21	0.12 21	6.12 71	0.12	0 (2) 2)	21	ı	
5) Rancoff pollution knot A3 Pollution head (Sub-basin B630)	A 745 (4	Lg day	"]	- 1	"[	- Έ	- 1	~~	ı	
D Politica lead perdiced	ید	154.7	1.02	U32	1,132	0.33	(132	1432	- 1	
2) Flow out main	15 t	-	0.5	0.5	0.5	0.5	0.5	ده	- 1	
3) Flow down two	n-1	•	0.2	0.	0.2	03	0.2	0.2	- 1	
6) Run-off raio	<b>ರ-3 (ರ-)</b> ಚರ-2)	انانا	0.1	0 1	0.1	0.J	0.1	0.1 133	1	
5) Remark pollution load A6.Potentian load (Seb-bain 8631)	DS- a5a t5	453.0	110]	113	113	- 10}		'''		
Exponential role (see contract)	J.6	2 g day	0	0	0	٥	a	a		
2) Plaw-out ratio	:6-1		0.7	0.7	0.7	0.7	0.7	9.7		
3) Revident rate	<b>6-2</b>	l - I	9.3	0.3	0.3	0.3	6.3	63	1	
4) Run off cale	6-3 (r6-1x/6-2)	l. :. l	0.21	0.21	0.21	0.21	02)	021	- 1	
5) Rep-off pollution lead	D6-36166	4,500	C	٩	0	9		ា	- 1	
AT Politician load (Seb hasin 5632)  () Politica load produced	.,	kg tuy		심	9	اه	9	٥		
2) Flow-out ratio	0.1	1-*-1	0.8	6.8	0.3	0.8	0.8	0.8		
3) Flow-down ratio	17-2	•	63	63	0.3	0.3	0.3	62	l l	
4) Rus-niff calo	(7.3 (r7-147-2)		0.74	0.24	9.4	0.24	0.24	0.24		
5) Run-off pollution load	07-a7a t7 06-01+-+07	kg day	69:	10 10	691	691	69:	69;	- 1	
Aft Total run-off politicion had from distante water water	22,410	ka day			- "1			*[	- 1	
Industria warte valer					- 1		1			
\$1.Published load from major producers		I I					ا			
Polanion load produced	61	E; Co	0.8	0.8	0 1	0.3	0.3	0.8	ŀ	
2) Flow-out ratio 3) Flow down ratio	ri 1-1 r) 1-2	1:1	0.25	9.25	0 25	0.25	0.25	0.25	- 1	
4) Run-off saire	e)1 (ett-tw:11-1)	1 - 1	0.2	0.2	0.2	0.2	0.1	0.2		
S) Run-off politicion lose	E-Start1	<b>t</b> g asy	0	e e	٥	6	0	악	- 1	
B3_PoBusion lead from large and medium walk indertries		I I								
1) Poljusion lead produced	62	tg day	33.208 6,7	33.21% 0.7	33.228	33.238	33,228 9.7	33.228 6.3	- 1	
2) Flow-out calls 3) Flow-down ratio	d2-3 d2-2	101	0.25	0.25	0.25	0.25	025	0.25	- 1	
#] Ruo-off ratio	r12 (r12 (xr12-2)	1 . 1	81.0	0.18	0.15	0.18	0.18	0.18	•	
5) Rue-off policition lead	12-324 (12	15 4.9	5 815	5.215	5,315	5,845	3.8(5)	5.5 i 5	- 1	
B3 Pocusion load from small scale industries				l l	- 1		- 1		- 1	
Podurice load produced	w	ka cay	6.5%6	6586	6.5R6	6.566	6.586	5.56		
2) Flow-cut prio	c13-1	1 : 1	0.7 0.25	0.7 0.25	0.7	0.25	0.7 0.25	0.7 0.25		
3) Flow down ratio 4) Run-off catio	rt3-2 rt3 (rt3-1xrt3-2)		0.13	9.18	0.68	0.18	0.18	0.18	L	
5) Rog-off pulleries lead	13-63/213	kg day	1.153	1.153	(15)	1.153	1,153	2.153	- 1	
B4. Total manoff pollution load from the industries	16-21-22-13	dg day	6.967	6.967	6.96?	6,967	6,967	6.967	- 1	
* A a classification of resulting land from the state of	İ			1	l		- 1	ŀ	- 1	
Agricultural pollution load  Ct Pulnion load from fields*					i I	l	I	ł	- 1	
1) Pollutice load produced	c)	ks 4av	(		∣ I	ŧ	L		Į.	
2) Flow out ratio	G1-1 G1-2	1:1			i	1	ı		j	
3) Filtre done sale 4) Rug-off ratio	r21 (r21-br21-7)	:	]				- 1	- 1	- 1	
S) Rus-off palls in bad	At-clar21	ly dry						ļ		
C2 Polytica lead from lives ok	La		6934	2.55	6,934	6.954	6,934	6,934		
1) Politics lead products 2) Flow out car o	ය ණා	R <sub>a</sub> , day	6.05	6,934 0,05	6,734 COS	0.05	0.05	0.05		
a) Flow down ratio	62-2	1 .	9.2	0.2	0.2	6.2	0.	0.2	l	
S) Plant off ratio	(42)(42) (4(2)-2)		0.01		0.01	ÇQI	10.0	14.0	ļ	
5) Run off pollution food	AZ- cl x r22	ke day	69	69	69	69	69	69	- 1	
CD. For all man off profession four from a prioritizant	Ad-At-A1	1,24	. 65	69	69	69	69	69	- 1	
D. Other souces				ĺ	i			1	- 1	
D. Other souces D. Polution Tead from others	1			1		1		1	- 1	
t) Politation lead penduard	di	زىلە ھۇ	10.358	10.358		10.358	10.358	10.358	1	
2) Flow-out ratio	i3( )		0.05			0.05	0.05	20.0	•	
31 Flow down ratio	131-2	•	0.2			0.2	0.2	0.2	1	
4) Rus-off ratio 5) Rus-off politics load	134 (134 fac)(1-2) CC- 61 4 134	k <sub>z</sub> day	5.0; 104			0:01 30:4	5.01 154	0.01		
as tens-but berneuse tens	- 61 ± 154	1.00	1 ~	i '~	"		ا" ا	[ ]		
III. Water quality at control point	1	1	i	1	l		i i			
E.Water quality monitored	ı	1	1	I	l l				ŀ	
T)(994	1	e:g1	15.7	16.1	11.2	140	7.9	7.9	11.3	1
2)Average(1992-1996)	1	1	1	l	1	1			1	
3/Median(1993-1996) K. Romille of collection	ĺ	1	1	1	I	1	[	1	- 1	
F.Result of culturalation FF real rep-off polaries load	1-10-00-16-46-06	l k, de	\$,700	8,667	8,822	8,630		8,574	8,664	
131 Not the cal Science was								12.8	2.8	
2)Water Bo≫	0	6.13	121	12.1	12.8	12.8	12.7	7.6	7.8	

WQ-36

Table-4(7) Caluculation of Water Quality (BOD) at Ngagel (2020 : Case-H)

Pullation local from appeares in	<del> </del>	uru'es	lun .	h/i	750	- <u>3. n.</u>	<u>-131</u> -	. 202	Gel <u>Ore</u>	384Y#
L)W ಸಂಕೃತ್ಯಂತೆ 19 ರಾಗ್ ಕೆ ಕಾರ್ಲ್ವಾನ್ ರಾಕ್ಷ (10-45)	co	m; 1							ļ	- 1
2) Water flow of K and Spilong	Co	DA.			i				1	- 1
Till offerion food from upstream  4) Runs off pollution lood from upstream	10-00:00 10-00:00	tg day tg day	2 KM	15 642 2 7v9	69,822 2,923	18.630 2.705	(4.563) 2.789	18,574 2,786		
L Pollution kad from a b-books	1		1				İ			
Thermatic waste water			i						- 1	- }
A1.Pulturion kind (Sub-Pasile B6-IC)		!	03.0	9]4		924	924	974	- 1	- 1
Paterios load produced	32 r(-3	ky day	9 <u>2</u> 4 6.9	C	924 924	0.9	6.9	0.9	- 1	i
2) Flore out axid 3) Flore dama axid	n-2		0.5	Ď.	0.4	0.4	6.4	6.4	- 1	
4) Rea off cald	el (ristoris)		0.36	0.34	0.36	0.36	0.36	0.36	ļ	
S) Rear off polletion lead	Di-alari	kg day	333	383	333	333	333	37.7		- 1
A2 Polluting trad (Sub-basin B641)	1.		271	.,	27:	25.	274	271		- 1
Politrion lead produced     Flow out ratio	22 73-1	ky day	0 5	27. 0 6	0.6	271 0.6	0.6	0.6	Į.	- 1
B) Flow down takin	6-3		0.2	0.2	0.2	0.2	0.2	0.2	į	- 1
4) Run-off calo	r2 (r2-1s:2-2)		0 12	0.12	0.12	0 12	0.00	0 12	- 1	
5) Rug-off pelluries lead	D2- s2 t r2	ودن و ۱	33	33	33	3.1	33	33		
A3 Politica load (Sub-basin 8642)	1.			1.140	1.241	3.142	.543	9,141		
t) Pollutine load produced	a3 ∂-1	AS Guy	1.14) 0.7	0.7	0.7	0.3	0.7	0.7		i
2) Flow out ratio 3) Flow down ratio	0-3	-	0.3	0.3	0.3	0.3	6.3	0.3		- 1
4) Russoff ratio	3(0)1033)	l - H	0.21	0.21	0.1	0.21	0.21	9:21	I	İ
5) Russoff pollutina bad	03-23-13	Re day	240	240	2-0	14(1	247	340	Į	ŀ
A 4 Pollution lead (Sub-basin B642)	1.	t 1			ا ہے ا	ا ا		الما	•	
1) Pollution lead produced	اور ا 4 ا	ks day	5.430	5 430 6 9	5,430 0.9	5,430	3,470	5.430	1	
2) Flow-out ratio 3) Flow-down ratio	14 2	1 : 1	9.4			0.4	0.9	0.4	l	
s) How-goes cate 4) Rus-off cate	(4.04.04.2)		0.36	0.36		0.16	0.36	0.36	l	
5) Rus-off politation lead	D4- 324 N	kg day	1.955			1,955	1,955	1,953	l	
AS Politicine lead (Sub-basia BS44)		1 1		·	5		- 1		ļ	1
1) Pollatine Inad postured	25	tg Ly	2,625			2.625	2.525	2,625	ŀ	
2) Flow-on calla	61		6.5 0.7			0.9 0.1	0.9 0.7	0.9	ì	
3) Flour-down ratio 4) Russ off ratio	62 63(6-b.5-1)	1 : 1	0.63			063	0.63	0.63		
5) Run-off politation had	D5- x5x r5	وده ونا	1,654			1.654	1,654	1,654		
some steem streets beard book solutiles Beard Beneau Lent Lan	Dd-Dt-D0+D3+D4+D0		4263	4.213	4,213	4.213	4,213	4213		
R Industria naste water					1			Ì		
Bt.Patinion load from major producers					l	1				
1) Pollution load produced	<b>b</b> :	ودائرة	694	634	684	654	634	684		
2) Flow-put ratio	G13		0.9			0,9	0.9	C.9	1	
3) Flow-down ratio	r11-2	1 .	0.4				0.4	0.4 0.36		
4) Rus-off ratio	est (et is best 1-4) 15 - bt a et 1	kg day	0.36 240				0.36	246		
5) Ressoft pollution lead B2.Pollution load from large and medium scale inflictives	17- DI M A) 1	1 48 635	1 2 -	1 **	1 -	•		i -~i		
I) Politica load products	k:	lig day	21,980	21,981	21.95	21,980	21.961	21,981		
2) Flow-out ratio	rt2-1	"- "	0.0	r] 0.3				0.7	. 1	
3) Flow down ratio	r12-2	l -	0.4					0.4		
4) Rue-off ratio	r22 (r12-tar12-2)		6.155				0.26 6,155	0.28 8.155		
5) Ren-off pollution load	12- 52-112	13.049	0.15.	1 3,13.	3 0	1 0.155	9,637	0.133		
<ol> <li>Pollution load from small scale industries</li> <li>Pollution load produced</li> </ol>	ъ3	15.45	1,85	4.35	4.85	4,851	4,851	4,850		
2) Flow-out ratio	e13-1	1	0.		7 0	7 0.3	0.7	0.7		
3) Flow-down calo	ci3-2		0							
4) Ruo-off ratio	ri3 (ri3 (cri3-2)	L :	0.28				0.2%			
5) Rue-off pollutine had BATotal rue-off pollution load from the industries	13-63-13 16-31-12-13	ودگ چا ویده تا	1,351							
		1			1	1				
C.Agricultural pollution load Ct Polution load from fields*		Į	1	1	1	1	ĺ	l		1
<ol> <li>Pollution lead produced</li> </ol>	lo.	t day	1	}		I		1		
2) Flow-out raile 3) Flow-down raile	(21) (2)2	1:	l	1	1	1	1	j		l
u) Flow-slows callo 4) Rose off actio	A1 (C1-14/24-2)	1		1	1	l	1	I .	Į	ì
5) Rea- off pollution lead	Al-chittl	1 g 62	4	1	ł	i	1	I .	i	1
CT Pulmion load from Eventob		L	2.20	3 720	3 2.20	2.563	2-203	2.203	ļ	
Pollution load produced     Story and extin	62 623-1	Lg ca	220						į	
2) Flow out ratio 3) Flow-down ratio	122-2	:	0.						!	
4) Run-off ratio	(20((20-1x(20-0)	١.	0.0					0.00	!	t
5) Rep-off pullistics load	A2-cl x+22	Ls de	4	- j	4	4 44			ί	1
C3. Total reasoff pollution load from agriculture	Ad-A1+A2	kg du	1 1	1 1	1 1	* *	1 "	1 "	l	1
D.Other souces	1	1		1	I			1		1
Of Polytics land from others	L.	J		مهاج		5 543	1 45	1 121	ļ	I
Pollutine load productd     Plow-out ratio	014	1.5.	00	5 0.0	5 0.0	-,			Į	I
3) Flow down ratio	612	1.	0.	.4] 0.	.4 0.	4 0.4	d 6.	0.4	{	I
4) Rus-off ratio	(3) ((3)-(u3)(2) ((2-d) x (3)	1	9.0						l	l
5) Run-off pollution load	CC-01X153	نك وها	1	1 "	1 "	1 "	] "	1 "		
III. Water quality at control point			-	1	1				!	1
E. Water quality monitored 3):2994	ļ	mg1	. 6	.1 6	<b>d</b> •	0 9.	5 7.	3 63	7:	8.3
2)Average(1992-1996)	1	""	Ł	1		1	1	1	1	
3)Mediad(1992-1996)	1		1	1	1	1	1	Į	1	
F.Rendt of calacition	L=1.0=0:0-1d=0d=0d	١.,	14.93	11 14.93	5 14.9	9 1493	14.91	14,911	1492	,J
1)Total published floridation ford	Q	دادوها دانه								4
21Water flow										

Note: "Politation load from fields is included an other sources.

Table-4(8) Caluculation of Water Quality (BOD) at Kayoon (2020 : Case-II)

Tu a:s	<b> </b>	prints.	16.	<u> 1</u> 64	Viz	×2.	<u>(41.</u>		tre (Dr.)	150 V.4
Polletion Red from updresm	i !	ال ا	i	1		Ì			1	İ
1)Warrquality of kes Andre (1:00)	06 00	1753 1734	ì			ì		l	1	
2)Water flow of Jeth Bridge 3)Pullstick to d Gorn upon an	10-60-00	1.2.	14.931	14,925	14,525	14.936	14,914	14.914		
4) Roseoff pellotten load from upone an	10-0000	kg day	29%	2 985	2,990	2584	2.083	2.982		
Pollution lead from sub-basis		li								
Donesic wade water		li	ļ					1		
At Polistica loss (Sub-Natio B645)		!!				!		1		
1) Pollation level produced	al l	Ly do	6]	¢.	6	. 0]	0	( o		
2) Flow-out ratio	(state	[ · [	0.9	0.9	0.9	0.9	0.9	0.9		
3) Flow-down main	{e3-2	I • I	0.4	9.4	0.4	C a	0.4	0.8		
4) Rua-off na-o	r1 (e1-(x/1-2)	I · I	0.36	9,36	0.36	0.36	0.36	0.36		
5) Report pollution lead	Di-aturi	t gradus	٥	0	D	역	0	0		
A2 Publics had (Sub-basis BSS)	1	ıı			ا. ا		_			
1) Pollution bod perduced	52	43 Ly	o	. 0	9	0	0			
2) Place our ratio	64	1 · 1	0.9	<b>G.9</b>		0.9	0.9 0.0			
3) Flow-down ratio	(4)	1:1	0.6	0.54	0.6 0.54	0.54	0.54			
4) Run off mio	(C-(xC-2)		0.53	934	0.34	0.74	ور ا	1 3		1
<ul> <li>S) Rob off policina lead</li> <li>All Total rob off policines had from domestic white water</li> </ul>	02- 52 t r2 04-04-02	kag d∟y kagabuy	٥	1 0	,	ام	1 5	i a		
	10.00.00	••			1 1	Ĭ	_	! 1		1
Industria waste water	1	Į I		i				1 1		l
B4.Pollation load from major produces	L.	I I		! .			Ι.	1 .		l
1) Politrice lead produced	69	kg d⊥y	٥	ì	l <sup>v</sup>	١	•	ไ ๆ		l
2) Flow out ratio	dit i	•				[	I			i .
3) Flow dowe nois 4) Run-off rate	elt-2 rlt(ell-lackt I)	Ι'.		٥	. ا	0	١,	ا ا		1
4) Kub-ott poliutios kad 5) Rub-ott poliutios kad	li-bt sall	kgiday	اة	١		ان ا				1
B3.Pollution lead from targe and medium wate industries	11 - St. Fall	45.	ľ	,	ľ	ו ו	,	1 1		ı
1) Politician lead produced	h2	kg day	2.460	2,400	2.460	2.480	2,460	2.40		ı
2) Flow and rain	102-1	1.0.	0.0	6.5		0.9				ļ.
3) Flow-down notic	712-2	1:	0.5			85				l .
4) Rua-off ratio	rt2 (et2-(avt2-2)	۱.	0.45	0.45		0.45				i i
5) Run-off pollution load	12+ 524 /12	kg/2sy			1,107	1,107		1.107		1
B3 PoPotion load from small scale industries	ļ	1 '	Í	ì		l	ļ	1 1	İ	ł
1) Polluism land gendaced	b3	kgday	550	5%	580	5%	5%	580		ı
2) Flow-out ratio	ri3-1	1	0.9	0.5	0.9	0.9				ı
3) Flow-down ratio	rt3-2		0.5			63		5 0.5		ł
4) Russ off callo	r13 (r13-2ur13-2)		0.45							i
5) Rus-off politicism load 84 Total majoff politicism had from the laderanes	(3-t3x:13   16-1:40-0	ig day								1
	G-1.4124D	1.84.3	1 '"	1	Ĭ	1	]			i
C.Agricultural pollution load  Ct Polution load from fields*			l		i	1	Ì			
t)Pollution had produced	c1	kg (w)	Į.		i	1	i	1		
2) Flow-out rain	e71-1		1	ł	1	1				1
3) Flore-down note	T21-2	1 .	1	1	1		l		l	1
4) Rus-off ratio	r21 (r21-1 u/21-2)		1	1		í	1	1		1
5) Russoff pollution had  C7 Polation lead from to estak	Al-cix CL	kg du	ì	1	1	i	1	1	ı	1
1) Pollution land produced	c2	kg da	ہو اِ	و ا	ه ا	رو ا	و ا	1 91	1	1
2) Flow-out ratio	r22-1	1	o.c:						l	1
3) Flow down ratio	122-2		1 03			1 02	8 0	3 05	ļ	1
4) Rusi off colo	r23(r22-1xr22-2)	-	0.02		0.02		0.07	5 0025	1	ì
5) Ren-off pollution lead	A2- cl s r22	kgas		2	2]	: [:	2	2 2	I	1
C3 Fixel true-off pollution head from agriculture	A2-A1+A2	kg da		2	2	1 :	1	2 2	1	1
D.Other souces		1	1		1			1	1	1
D1 Pullution load from others	1		1	1	1	Į.		1	l	į .
Pathetica load produced	d:	<b>k</b> g ==	y 59							1
2) Flow-out ratio	D11	1 .	0.0							1
3) Flow down catio	(3)-2	1 .	0.							1
4) Rus-off endo 5) Rus-off politices load	r3( (r35-1xc3)-2) Od- d1 v r31	kg du	9 0.02					ರ 0.025 ರ ಚ		1
-		1		i	1			1		1
III.Water quality at control print E.Water quality monitored		1		1	1	1	1		l	1
1)1994	1	E	ı	1	1 6	2	1	1	1 6	.2
2)A versgr(1992 1996)		1 "	•	1	1	1	1	1	ľ	i
3)Median(:992-1996)	]		1	ł	1	1	1		1	1
F.Rrial of caluctation	]			1	1	ł	1		1	1
E)Fotal run-off policide load	L=1.0+Dd +1d+Ad=Od			1 43			بخ_ه دم	58 436		
					1 8	-1				.ii
2)Water flow 3:Water quality	Q C-1/O	m3/ mc			1 %		l .	1		1

Sylvator quality

Note: "Pollution load from fields is included to other source."

Table-4(9) Caluculation of Water Quality (BOD) at Pelayaran (2029 : Case-II)

De ma	]	7.5	345	11'	A116.	<u>~</u> r	<u>C1</u>	No. 10	81001 32374
Pullinien kad from up are sin	]			- 1					l l
1)Wiscon कुंच क्षेत्रपुर को शिक्षकेश को अञ्चल कराएके	Co	തളി			25.2		- 1		1
2)भिज्ञता शिलक कर्र (अधिक कर्ष ५००४ देशा है।	Ø.	m.3	- 1		60	- 1			
Tyll of our treat from upoint wa	re-corce	15 2 y	i		12 960	ł			
4) Run off pollution had from systems	1.2-60.00	kg đưy		1	250	- 1		ļ	
t Polluting ked from ab-basin		1		į		- 1	1		- 1
. Dominice waste water	1	1 1	- 1		- 1	- 1			- 1
A LPolitation lead	1	I I	]						- 1
1) Politetina tred prode ind	21	رىك ۋا	(48)	66	68	6%	£ R	6.6 C.9	- 1
2) flow out mile	et-1	i · I	0.9	6.9		0.9	0.9		1
3) Flow down calls	:13	·	0.2	9.2	0.2	0.2	0.2	0.2	į
4) Rue-off ratio	ct (rtert-2)	L : L	0.16	0 18		0 (2	0 1×	0.18	i
S) Rus-off pollution load	Di-alari	152.7	12	12	12	E)	12	12	
A? For A top-off pollution had form document when where	02-01	42.04	12	12	''	(2)	12	"1	
Lindustria waste water		l l		1		ì	- 1		
BitPolining load from major produces	1	1,1							- 1
t) Politeijos knaž productiž	bt.	kg day	81.00	84,000	\$4,000	84,536	\$4000	54,300	1
2) Flow out callo	r14-3	; !	0.02	5.6	0.02	0.9	8.9	69	- 1
3) Flow-down ratio	111-2	1 ' 1		0.02			0.00 0.013	0.07	- 1
4) Ron-off paid	at (d1-1691)	1 1	0.0(8)	0.5:8	830.0	0.018		810.0	- 1
S) Rua-off pollution lead	\$1 - 51 a ri i	15 3 24	1.513	1,512	1313	15:2	1.512	1512	l l
B2.Pollution load from Large and medium state industries	}_	1 !	1		ابهر				į.
1) Pollution lead produced	[K2]	دينه وه	164	164	10-4	164	15-4	154	- 1
2) Flow out ratio	r) 2-1	1 · i	0.9	0.9		0.6	0.9	0.9	
3) Flore down ratio	02.2	1 · 1	0.2	0.2	0.3	0.2	9.2	0.2	
4) Rus-off ratio	e12 (c12-1xe12-2)	I I	Ø.∤B	6.15	0.18	0.48	0.13	0.18	
5) Run off pollution load	12- 82x r42	kş Jay	ж	30	30	30	30	×	!
B3 Polinion lead from small seale industries	1	I. I							Ì
1) Pollution load produced	b	kg/day	33	33	23]	33	33	33	
2) Flow put ratio	r13-1		0.9	0.9	0.9	C+	0.9	0.4	
3) Flore-down calls	r13-2	1 · 1	0.2	0.2	0.2	0.2	0.2	0.2	
4) இவர அரி ரவில்	ct3 (ct3 fxc13-7)	٠ ا	0 1×	0.19	0.18	0.16	0.18	0.18]	
5) Rue-off pollution load	O-53x(1)	kr ( s)	6		. 4	. 6,	- 6	. 6j	ŧ
B4. Total sup off polletion had from the industries	\$U=81+32+13	it grassy	1,547	1547	1547	1,547	1,54?	1547	
C. Agricultural pollution load		l i		1	i 1		ļ	- 1	
C) Polytice load from fields*	1.	kg day					i	•	
1) Pollution load produced	ct ct-1	18 229	1		ı l	· I		- 1	{
2) Flow-out calls 3) Flow-down ratio	121-2	1 . [			1			- 1	i
3) Providence inche 4) Region (Tratio	(C1 (C1 1) (C1-2)			1				- 1	
5) Run-off pollution load	Al-cia (TI	kg day	! I	1	i l		1	- 1	
C2 Polition load from livestek						Į.		į	
1) Pallution load produced	c2	ke des	56	.56	56	35	54	56	i i
2) Flow out maio	(22-1		0.2	0.2	0.2	0.2	0.2	0.2	i
3) Flow-down ratio	v22-2		0.2	0.2	0.2	0.2	0.2	0.2	
4) Run off ratio	v22(r22-1x/02-2)	1 . '	0.04	6.04	0.04	9.54	0.7-1	6.04	ı
5) Ran-off pollution land	A2- c1 = r22	kg J⊔y	4	2	2	2		2]	ı
C3.5 and non-off pollution had from agriculture	AdeA1+A2	le do)	1 3	2	2	2	i i	i i	1
D. Other souces			<b> </b>		İ				1
Di Palutian Read from others		1	1	l				l I	- 1
1) Pollution food products	di	ېداد و 🖈	110			113		113	- 1
Z) Flow-out ratio	-31-1	1 -	0.2				0.2	0.2	Į.
3) Flow-down tatio	Ø1-3	1 -	0.2			0.2	0.2	0.2	1
4) Run-off ratio	Q1 (@1-1x(3)-2)	J	0 C4	0.04	D.C-4	0.04	07:4	0.04	
5) Rus-off pollutina loud	02-41131	k z day	3	i '	i '	,	j 5	1	
FD. Water quality at control point		1					}		
E.Water quality monitored	1	1		ł	l	j		1	
1)1994	1	13.0		1	129	l			12.9
2)Average(1962-1995)	1	1		I	1	l			ı
3)Me@an(1992-1996)	i	[	ļ	I	I	l		, I	I
F.Result of caluctation	1	1	1	l	ا	١.,	ا ا	اا	16.0
lyTotal run off polutico load	E-10-00-10-10-101			1.560		1,5%	3.506	1.566	1,610
2)Water flow	Q	e3's	1	1	32	ł	1	1	3.2
3:Water guality	C-1-O	nel		<u> </u>	1	<u> </u>			10.5

Now and studies had from Solds in included in other source

Table-4(10) Calocelation of Water Quality (BOD) at Porcog (2020 : Case-II)

<u>frems</u>	<b>⋠</b>	nates -	306-	3:1	<u> </u>	<u>-</u> 2	50		On 1273
Pollution had 5 im systems	1.		ļ				- 1		- 1
1) Water quality of intule of voice canal	Cr.	តថ្នា	1				1		
2) Ware Bow of exact of vive cond	CC	m.3's	1		ļ		- 1	- 1	
3) Polleton lead form upone am	ra-carde	Lg Chy		i	i		- 1	- 1	
4) Run-off policines lead from upone en-	to-cor io	Lg day		- 1		i i	ļ		
Pollution had from a b-basin	!		1	i		ì	- 1		1
Domentic + a de mater	I		- 1					ŀ	i
A 1 Politica had	i i							1	
1) Politation load produced	>\$	ky day	23	23	23	23		27	
2) Plou-out nato	rì-i		0.9	0.9	0.9	0.9	0.9	5.0	l l
3) Firm 6- 2 500	r1-2	. I	0 R]	Q. B.	O B	0 K	e a	2 0	F
4) Romaffind a	frt (rt-turi-2)	I	0.12]	0.72	0.72	0.73	0.72	0.72	i i
5) Romalf politica kind	D)->Ixrl	t (a)	17	17	17	\$7	e i	17	ĺ
THE REW Street Devil best rolling the air level CA.	04-91	t g day	17	17	17	'7	"i	17	
Jadustris waste water				- 1		i	- !		Į.
B1F/During lead from major produces	l	1	1			- 1	1	1	1
1) Pullation lead products	1b1	tg day	o!	0	Đ	0	0	8	- 1
7) Flow out rain	7113	[ <sup>-</sup> . ]				- 1		ł	
3) Flow divide their	r41-2	•		ł,	- 1	- 1		l	
4) Run-off ratio	d1001-1sc(1-1)	[ . L	٥	0	0	더	8	٥	ı
System Partition load	H-Mari	الإدلة والأ	e <b>l</b>	D	ð	6	9	e	ł
B2P-03-565 had from large and medium scale order the	1	* '	- 1	1	- 1	- 1	1	- 1	ı
1) Pullufor lead problem	62	رىۋور	55	55	55	55	15	3.5	ı
2) Flow and selection	d2-1	"."	6.9	0.9	0.9	6.9	0.9	0.9	ı
3) Bow-down colo	112.2	[ . l	0.8	0.8	0.8	o ej	0.8	0.3	ı
4) Rup-off exio	(12 ((12-11/12-2)	1 - 1	0.72	0.72	0.72	0.12	0.72	3.72	l l
5) Rus-off potation keet	12-521 112	kg/day.	•0	40	40	-40	£.	40	i
B3 Pollution lead from small scale industries							i	- 1	- 1
Politation lead participal	ьз	kgiday	- 11	13	- 11	11	1:	11	
	(0.1	'`'	0.9	0.9	0.9	0.9	6.9	0.0	
2) Flow out rails 3) Flow down rails	lrt3-2		0.8	0.8	0.8	០គាំ	0.8	0.8	ļ.
	(13 (13 (0132)	1 1	6,72	0.22	0.12	0.72	0.72	0.70	
4) இரை விரண்டி நேரும் - விரும்போர்கள்	13-63 (-13	1504	8		- 1	8	8	2	1
3) ೫೯೮-೦೯ ಕ್ಷೇರ್ಯದ ಬರು ಭ್ರವ ಕ್ಷಣ ಮುಮಿಟುಲ ಕ್ಷಣ ಕ್ಷಣಗಳ ಮುಖ್ಯವಾಗಿ ಕ್ಷಣಗಳ ಬರು	36-11+12+13	rg da	48	46	48	48	48	43	
	•	1	į	l l	1	i i			
C.Agricultural pollution tood  C1 Polution load from fields*	i	1 1	- 1	ŀ		- 1		,	ļ
1) Politrice lead produced	et	18 022				- 1		1	1
2) Flow-out ratio	[e:i4	$I \cdot I$	Į.		- 1	ŀ	1		- 1
3) Flow down ratio	151-5	1 . 1	ı i	- 1		•			- 1
4) Run-off radio	v2) {r2+ tur2)-2)	1 1	- 1	ĺ					- 1
S) Rue off policina had	Al-clarit	kg ć⊐∨						- 1	
C2 Polytine lead from live tark	La	1	19	19	19	19	:9[	19	1
1) Pollution lead products	62	kg/day	0.2	6.2	0.2	0.2	0.2	0.2	1
2) Row act ratio	224	1 . {	0.2	0.8	0.8	0.3	0.3	6.8	- 1
3) Row down ratio	r22-2	1 - 1	0.16	0.6	8.16	0.35	0.16	0.16	l
4) हैपफ लॉ इडिंग	(28)(23-14)(23-2)	الشا	3.04	3.04	364	3.54	3.04	3.341	
5) Run off policies lead C3. For it manufit policies had from syriculture	A2+ c1 x c22 A2-A1+A2	kş day kş day	3.(4. 3.04	334	3.54	3.04	3.54	3.9	1
	1		- 1	Į	l	į			
D.Other sources		1 1	l	- 1	ļ	l i		ļ	
Di Polosica lossificas attem	la:	بدعوة	38	38.	381	38	38	38	
1) Pollution load produced	631-1	.200	0.2	0.2	62	62	6.	0.2	- 1
2) Flow and ratio	731-1		0.8	0.2	0.8	6.5	0.8	0.5	- 1
3) Flow-down ratio	(3) ((3)-1((3)-7)	1 : 1	0.16	0.36	0.16	0.16	0.16	0.16	- 1
4) Ruti-off calls 5) You off calls in load	Of- (12:31	ks day	6.00	600	6.00	6.30	6.00	6.00	- 1
5) Run-off pollution load	1	``"	*~	ĺ				1	- 1
III. Water quality at control point	1	1 1		ļ	1	ł		ĺ	
E. Water quality monitored	ı	mg1		1	دو	- 1		- 1	93
1)1994 2)Average(1992-1996)		m-W			~1	l	ļ	- 1	
	1		l l		l	l	L	- 1	- 1
3,04-5ac(1993-1996)	1		. 1		ļ	I		•	J
F.Result of calactation	tuto-De-Id-Ad-Od	kg day	73	73	73	23	73	73	73
1)Total not off politics lead 2)Water flow	Q	m3 s	) "I	~1	0.06	~ ~1	-1	- 1	0.06

Site : "Pollution lived from fields in ignituded to other source

Table-5(1) Caluculation of Water Quality (BOD) at Bemiaya Bridge (2020 : Case-111)

lee the		Mary 1	_2	.24		>2 -	- (XE	Nex	Air (Post	36.47
Alotion lead from upstream 1)Water quality	n l	mg1						! I		
2)Witer flow	oc l	631		i				: I		
3 Pollurion had from uponum	te-cerçe	ke'da	- 1	ļ		1		i I	ĺĺ	
4) Run off pollution lead from upstorum	10	L 15	1							
Pathotico had from tob basin	Į		l							
Dornesie waste water	1							1 1	1	
All Pollition Rad (Sub-basis B 100)								l		
1) Pollution land produced	11	ka day	84.	2-7	847	RV.	By?			
2) Flow shot calls	69	- 1	0.3	0.3	0.3	03	0.3			
3) Piera dera a sein 4) Ran-piti ratio	/1-2 /1-(ct-1 url-2)		0.03	0.03	01	01) 00)	01			
5) Run-off published bad	Di-stari	ونكاع	3	27	27	27	27			
A2 Pollution lead (Sub-base B001)	1		1	_	[ ]	-	_	1		
1) Pollution tead producted	12	k, ca,	75	757	757	757	757		1	ı
2) Flow out ratio	G-1		0.5	0.5	0.5	<b>0</b> .5	0.5		i	
3) Flow down out o	r2-2	- 1	0.1	0.1		0.4	0.1		i	
Run-off rado	r2 (r3-15r2-2) D0+ x0 x r3	بدائية	0 2 15:	0 2 (5)		0.2 (5)	0.2 151			
5) Rus-off politrine bad A3 Politrine lead (Sub-5xile B/20)	0.24:413	1.5	13.	•51	i "`	(2)	i '*'	' '''	i l	
1) Pollusion lead productd	13	tg day	4,854	4.56-4	4,964	4,364	4,35-4	4.864	ŀ	
2) Flow-out ratio	i3-1		67	0.7	67	0.7	0.7	0.7	,	
3) Flow down ratio	13-2		0.3	0.3		0.3	Ω.3			
4) Run-off பல்ல	r3 (r3-1 u3-2)	· [	921	921		0.21	0.21			
51 Run-off pollution load	D3- 43 4 13	kg Cay	1.024	1.024	1,021	1.021	3,621	1021	ĺ	
A 4 Politicism level (Sub-Studio 8021)	1,4	kg day	5,000	5250	3 090	5,050	3 0%	5,550		
1) Polituion toud produced 2) Flow-out rain	(+1	````	0.7	974		07	0.7			
3) Flow down ratio	(4.2	.	0.3	03			63	3 03		
4) Run-off ratio	c4 (r4 tur4 t)	•	0.21	0.21	0.21	0 21	0.21			l
5) Rea-off pollution load	D4- 342 14	12 24	1:069	1,065	1,00	1.069	\$.069	1.069	1	1
A 5 Published (Syb-basia 8722)	l. '	<b>[</b> ]	اا					,	Į į	i
Pollution lead produced	125 E	10.00	3.023	3023						
2) Flow-out ratio 3) Flow-down ratio	(5) (5)	]	0 4	01						
4) Rad-off ratio	(63 (64) (63)	I : I	6.72	0.73		5.72				
5) Run-off politries lead	D5-2 4 15	رمت ع ا	2 177	2,)73	2,177		2.17	2,172	4	
AS Total run-off pollution lead from a recision waste water	De-D1+D2+D3-D4-O5	ks to	ويدر	4.44	4.44	4.415		3 <sup>1</sup> 4 445	1	
		•	Į		i i		1	1	1	1
Industria waste water		il			1	ľ	ì	1		Ì
Bit Politation lead from major producers  () Politation lead produced	51	X2:023	105	ie:	5 163	163	16	5 165	į.	
2) Flow out ratio	mi i	1	0.9	0.						
3) Flow down taxto	rat-2	-	0.5	o:						l
4) Fac-off ratio	rit (rit-tecli-t)	-	0.45	6.4						ŀ
5) Run off pathy for kind	tt-bixett	LE CO	74	7	4 7.	7.	۶ کا	4 7√	1	Į.
B? Pollution I and from large and medium scale industries	b2		14.220	1433	1423	1928	14.23	0 1423		i
1) Pollugion load produced	r12-t	15.70	07	1-1.						l
2) Flow-out ratio 3) Flow down ratio	r12-2	1 1	0 4	ő						
4) Ruo-off ratio	v12 (r) 2-tvr (3-2)		0.28	92					8	
5) Run-off pollution lead	12-35:112	رث ي	3.552	3,98	3.98	3.98	2 3.98	2 3.95	:[	ŧ .
83 Pollution lead firm small scale industries	1	l I			1	•	1			1
1) Pollution had produced	63	kg/Cav		2.74						l
2) Flow-out cade	r13-1 r13-2	1 1	0.7 0.4	0						1
3) Flow-down ratio	r13-2 r13 (r13-1xr13-2)		0.28							1
4) Rea-off ratio 5) Rea-off pollation load	U-63cr13	kg day	769	76						l
B&Tital ren-off pollution lead from the industries	145-17-12-13	kg 🚣	4,824	4,82		4.93	4.83			
	i	1 )		Ī	1	1	1	Ì	i	1
Agricultural pollution load				1		1		1		1
C) Pulation lead from fields*  () Pallation lead produced	<1	kg day		I	1	1	ļ	1	1	1
2) Flore-out mule	G1-3	1 .	ı	I	1	1	1	1	1	1
3) Flor done ratio	123-2	1 .	l	I	1	1	1	1	l	1
4) Run-off ratio 5) Run-off polleties load	r21 (r21-1xr21-2) A1=c1q r21	kg day	l	l	1	1	1	1	i .	1
C2 Polistica land from tivestok	1			ı	1	1	1	1	1	1
1) Pullution load produced	c2	kg/day	2+,276							1
2) Flow-out ratio	r22 I	-	( 01							1
3) Flow-down ratio	r22-2	-	0.3	9						1
4) Rup-off ratio	122(122-14/73-3) A2-13 x 122	ونفاعها	800	65						1
5) Run-off pollution lead  (**) Total run-off pollution lead from agriculture	Ad-A1+A2	رنائوه	678							1
A Town had not have not been some track with stated.	1	1	l -	Ι "	1	1	1	1	1	1
Other souces	1	1	l	ļ	1	1			ì	Į.
Ot Polytion lose from others	L.	I	N NE AND	36.50	S 36.63	x) 36.62	0 36.63	20 36.62		
E) Pollution load productd	d1 +31-t	12 (2)	36,620					11 0		1
2) Flow-out callo 3) Flow-dows callo	131-2 131-2	1:				3 0		3		1
4) Run-off ratio	(31 (/31-15/31-2)	1:	800					03 00	3	1
5) Run-off pollution lead	06- d1 x (31	19:20								1
	1	1	I		ł		1		t	1
II. Water quality at control point	1		1		1		1	1	1	1
	1	m gT	1 1:3	,	. 7	6 8	:a	2 2	5 .	2
a ti oda E-w etat dimpri) unumman					1		Į.	1	1	5
933994		1	1	Į.		1		1		
E.W ster quality monitored	ŀ					1	İ	ļ		1
5)1994 2)Average (1992-1965) 3)Median (1992-1966) F.Result of ankada tion										
1):994 2)Average(1992-1996)	L-10-00-1d-Ad-06	ligida; m3/s		11,0				K7 11.00		

Ţ

Table-5(2) Caloculation of Water Quality (BOD) at Demangan Bridge (2020 : Case-III)

Tu ms	][	ماده	las.	15	Aug.	No.	SM.	5.8. A	or Dry	15 7 V.
Collection had born up thream	l_	1	l			- 1	4.3	3.8	- 1	1
I/Water quality of Endays Date (46%)	(T)	e di	72.0	2.7	61.0	8.6] \$7.0]	107.0	73.0	- 1	l
2:Wars flow of Lodoyo Dam	110-00-400	#73 క కృచ్చు	12 442	1.30	22,663	32,534	39,753	23.967		
కేస్తొందింగుల సిందే కుండా అనికి కారి ఈ గెంలంలో నిందే కుండి కొండా అనికి కూడా సూ	[10-cm-20]	t city	2.458	280	533	6.501	7.951	4,793		
Pollution had from sub-basin	1		İ	Ì		ļ		i i		
Demestic waste water	1 1	i I	- 1			- 1	- 1		1	1
A3.Polloring lead (Sub-Burin B142)	1.		1239	1 226	1.229	1239	1239	1.229		
<ol> <li>Politice load produced</li> <li>Pow out rain</li> </ol>	s) rt (	kg du	0.8	0.8	0.8	0.8	0.5	D \$		
3) Flow dividends	11-2		0.2	0.2	0.2	0.2	0.2	0.		
4) Ron of ratio	intra-terca)		016	0 16	0 16	0.16	0 16	0.36	- 1	
5) Pop off prilation kod	Di-at urt	kg đuy	167	197	197	197	197	197	- 1	1
A2 Pollution kind (Sub-havin BuSC)	1	il							- 1	
1) Polistica had produced	12.	kg day	1641	1.60 t 0.8	1,67.1	1,651 0.8	1.661 0.8	1,561		
2) Flow and ratio 3) Day days ratio	01	1 1	0.3	0.3	D.3	0.3	0.3	63		
4) Rus-off ratio	(0.0000)	ΙÌΙ	0.4	0.24	0.24	0.14	0.24	0.24		
5. Rug-off pollution load	02-32 1 12	ng day	799	399	399	309	30%	399	- 1	
A3 Pollution had (Sub-havin B153)		1 1	- 1						ì	
t) Pollutine land produced	12	kg (Ja	732	732	132	132	132	732	- 1	
2) flow out ratio	91	-	0.8	0.8	8.0	08	0.4	0.8 0.4	I	
3) Bow down ratio	10-2	:	0.33 0.33	0.4	0.4 0.32	04	0.4 0.32	0.4		
4) Run-off mile SyRun-off pediation laud	13 (13-15-15-15) [13-43-15]	a gay	234	234	234	234	214	23	l	
AAT wal no coll pollution load from democial works water	02-01-01-03	مادوا	830	830	830	8,30	130	830	1	
Industria waste water	ļ						1	i l		
B LPolletion load from major producers	ì	ı I			ŀ	I	ı	1 1	- 1	
Polyting ked produced	16	# S.C.A	6,221	6.221	6.223	6201	8.221	6.221	ŀ	
2) Flow out esta	c11-1 c11-2	i - I	03 02	0.3 0.3	0.3	0.3 0.3	0.3	0.3 0.2	ķ	
3) Flow-down ratio 4) Rug-off gatio	[r13-2 [r13-\$11-5x:13-1)	1:1	0.06	0.26	900	0.06	0.06	0.00	1	
5) Ron-off pollution load	It-blasti	Lg day	373	370		373	,	313	- 1	
92 Politica lead from large and medium scale industries	1	-•		1	1		'		- 1	
1) Politica lead produced	h2	kg ta v	2 308	2.808				2,306	ŀ	
2) Flow out ratio	r12-1	1 · i	0.1		0.6		0.5	0.8		
3) Rose deservatio	rt2-2	1 · 1	0.3	0.3				6.3		
4) Rus-off ratio	e22 (e13-14-12-2)	النبا	0.24					0.24 674		
S) Run off pollution load	62- 624 e12	ng day	674	°′°		` °``	۰٬۰۰۰	1 7		
93 Pullation load from small scale industries  1) Pollution load produced	N	ودةنها	493	293	40:	493	493	493		
2) Flow-out ratio	/03-1	1.5	01					0.8		
3) Flow-down ratio	rs3-2	1 - 1	53							
4) Rus off ratio	(13 (r13-24/43-2)	1 - 1	0.24			0.34				
5) Rue-off pollution lead B&Yotal rus-off pollution lead from the Industries	10-634:13 16-5:-12-03	kg day kg day	1.156							
Agricultural pollution land			ŀ			1		1		
Ct Polytice load from fields*				1		1	1	1 I		
<ol> <li>Politica lead produced</li> </ol>	ct	i g day	l		ı	l	ĺ	1 1		
2) Flow-out ratio	(71-1	1 - 1	i	l	1	I	1	1 1		
3) Flow-down ratio 4) Reprofit ratio	(r2)-2 (r2) (r2)-(v:2)-2)	1:1	l	1	1	1	l			
5) Ron-off pollution load	At-clast)	kg day	l	1		1	1	[ 1		
C2 Polision load from lives tol.	1	1	Į.							ĺ
1) Polistica food producted	c2	Ag day	11.25							ı
2) Flow-out ratio 3) Flow-down ratio	r22-1 r23-2	1:	S S							ı
4) Run-off call	r22(r22-tar22-2)	1:	0.0							l
5) Run-off pobulists load	A2- c1 x r22	kg day	3)		8] 33	E 33	8 33	8] 336		l
C3. For all run-off pollurion load from agriculture	Ad-AlkA2	وبكاوة	30	8 3)	S 33	8 33	8 33	8 338		
Other souces		1	•			1				
Of Paloting lead from others	L.	1	١.,		م. اي	۔۔۔ آہ	ا	أمورا	1	l
1) Partition lead produced 2) Flow-out ratio	₫1 -(31-1	kş'dı)	10.63						!	i
2) शिक्ता-तथा श्रम त 3) शिक्ता-वेदलक सर्वति	(31-1 (31-2	1:	0							1
4) Rus-off ratio	131 (132-15131-2)	-	er.	3 0.0	8 C.	3 D.0	3.0	3 0.03		l
5) Rus-off politation load	O4-41 1 131	رتوع	<b>'</b> '	19] 31	3:	.9] 3/	9 3	9 319	ì	1
III. Water quality at control point		1	ļ		1	1	1			
E. Water quality monitored 2)1994		mg/l	١,	£ 3		, ,	3 2	6 35	4	1 .
2)Average(1993-1996)	1	1 **	l '	~	٦ ٦	1 '	լ '	T 1	1 1	1
3;Median(1992-1995)		1	1	i		1	1	1	l	
F.Result of caluctation		i			1	1	1	1	l	
L)Tarai rus-off pularion lead	L-LD+De+td-Ad+Od								7,070	
2)Water flow	ĮQ.	a. 1		61 62						

3/Water quality
Note: "Pollutine head from fields is included to other souces

Table-5(3) Caluculation of Water Quality (BOD) at Jogbriu Bridge (2020; case-III)

liens	<b>├</b>	www.	10	. <u>1</u> 6.   .	<u>198</u>	<u>*</u> *	SV	<u> </u>	1001 330	<sub>3</sub> = 1
Pollution lead from up stream I/Witer quality of Symmeto Tamburgon (200)	co	mg/l	6.3	4.8	10.5	3.9	3.8	4.7	ļ	i
2)Wises flow of Ngrongeo Tanbungan	00	n. s	142 (1	56.0	55 b	650	52.4	41.9	- 1	
34P. Busine to 4 from option an		kg dayî ke day	75.746 11.350	23.545 4,720	10.088	4,382	17.20st 3.84t	17,045) 3,403)	ĺ	
4) Run off pollusion had from uponem	Lacerto	••••	17.77		10.5	1	2			
Fellution had from sub-basin	1			- 1	-			i	- [	
Amestic wastr water ALP-studiog lead (Seb Amin B310)	1		- 1		1			- 1	- 1	
Polistica lead produced	al	kg day	2.511	2.51	25(1	2511	2.5(1)	2511		
2) Flow-out ratio	el 1	-	O R	0.8	C.B	0.8	0.1	0 %	- 1	
3) Flow down mile	(1.2	٠	0.0 80.0	0.1 006	0.00	0 1 0.08	0.1 5-0*	0 I	1	
4) Russalf paid	ri (ri-1eri-2) Di-alati	1, 45	201	301	201	30	301	30.]	i	
5; Run off pathtion had AZ Polition had (Sub-Soin Bitts	D314.1			- 1				- 1		
1) Polistice knd produced		ks Ly	2 223	2 2 2 2 3	2 2 2 3	2 223	2.22	3 723		
2) Flow out ratio	(2)	- <del>-</del>	6.8 0.2	6.8 6.2	Q.8 0.2	0.3 0.3	0.8	0 M	ļ	
3) Flow down mile 4) Sup-off salid	(C) 2 (C) (C) (U(C) 2)	3	0.10	016	0.16	0.5	916	0.16	1	
5) Rup-off policies lood	D2- x2 x r2	ka duy	350	3.6	356	3%	356	356	i	
A3.P. Huring Ired (Sub Sario B312)								}		
t] Published food produced	33	is dec	158 0.9	168	831 0.0	268 0.9	16% C.9	6.0		
2) Figure out onto 3) Figure de la cario	73-1 73-2	اء	0.3	0.3	63	0.3	0.3	63		
a) Ran-off cutio	Ø (0-140-2)	ē	0.27	0.27	0.27	0.27	0.27	0.27	1	
S) Rug-off politicien load	03-3-13	kg/day	45	45	45	45	45	45		
A 4.Politation load (Sub-basin B313)	1.	l l					234	234		
1) Politation lead produced	3.8 7.8 1	kajd⊥; 1⊊	0.9	214	2,74 6.0	23-1	0.9	0.9		
2) Flow down rate 3) Flow down rate	(4-2	2	0.7	63	63	6.3	6.3	0.3	1	
4) Run-off ratio	of (54 Pu+2)	2	0.27	0.27	0 27	<b>9</b> 27	0.21	9 27		
5) Run off polluring lead	D\$- 55x (4	Lg day	6.7	63	63	63	63	63		
AS.Putilation lead (Sub-Satis B314)	ıı.	ردة و ا	10	11	<b>1</b> 1	В	- 11	13		
1) Pollution lead profused 2) Flow out rails	φ.ι	*	0.0	0.5	0.9	6.9	0.9	0.9	Į	
3) Flow down care	r5-2	[ * ]	0.5	0.5	0.5	0.5	0.5	0.5	1	
4) Rut off twie	i5-3 (i5-1):5-2)	7-	0.45	0.45	0.45	0.45	0.35	0 45	1	
S) Run-off pollution host	D5= 25x 15	k g day	5	31	1	3	1	5	1	
AS Poliution lead (Sub-basin B315)  1) Poliution lead produced	م	t g day	13:7	130	1307	1317	120	1,217	ţ	
If Flow out catio	r6-1	%	0.8	0.8	0.8	<b>D.</b> I.	0.8	D.R	ł	
3) Fice does asio	r6-2	[ 2	0.6	0.6	0.6 0.48	0.6 0.48	0.6	0.6 0.48	I	
4) Remofficial	r5-3 (r6-1-r6-2) D6 aft r6	rg Egiduy	0.48 632	632	632	63	632	632		
\$) Rum-off pollution load A1.Pollution lead (Sub-basin 9346)	004 310 10	1.4-7	~_[	~~	¥	~ 7		7.7	Į.	
t) Pollution load produced	47	kg day	(30	150	150	150	150	156	1	
2) Flow-out ratio	r7-1	[ % ]	0.9	0.9	0.9	0.0	0.5	0.9		
3) Flow-down ratio	d-2 d-3 (d-1xd-2)	1 2	0.7 0.72	0.72	0.8 0.72	6.3 6.7	0.8 0.72	0.72		
4) Run-off rails 5) Run-off pulletion keed	D7+ a7x r7	t giday	108	801	108	108	308	108	Į.	
All Politation lead (Sub-basin 9:317)	1	1			l l	ŀ		ŀ	- 1	
() Pathetica load produced	.3 3	Le thy	2,899	2,899	2.499 0.7	2,895	2.899	2 8 99		
2) Flow out callo	&1 &?	🗧	0.7 0.3	0.3	0.7	0.3	6.7	0.3		
3) Flow-down oxio 4) Run-off rule	(\$-3 ((\$-1) (\$-2)	2	0.21	021	0.21	0.21	0.21	0.21	ļ	
S) Rep. off pullation load	OS- a⊼c cS	ردت و د	609	639	609	630	60%	629	ì	
A P. Fot at man-off pollution load from domestic waste water	O4-D1 ← O8	15307	2.019	2.0,0	2.019	2.019	2.019	2.019		
Industria waste water		1 1	3		i 1	ı	ŀ	- 1		
Ballysien lead from major producers		1 1		1		1	i	- 1		
t) Pollotico Irad produced	ļ St	eg day	\$5.813	55.815	53,515	\$5.815	55,815	55 815	1	
2) Flow-out catio	rt I-I rt I-Z	74	6.05 2.0	0.05	0.05 2.0	0.05	0.05	0.05 B.5	1	
3) Flour-down cuio 4) Run-off cuio	ril (cll-lacif-l)	1 2	0025	0.025	0.03	0025	0.025	0.025	1	
5) Run-off pollution lead	\$1- \$1 x r\$4	kg duy				1.395	>295	1,395		
B2 Pollution lead from barge and medium wate industries		1 1			1		2 200	2.000	- 1	
1) Politation lead produced	52 713-1	kg (Ca)	3,749 0.2		3,79 0.2	3,7V5 0.2	3,299 0.2	3,799 0:2	- 1	
2) Fluw-out mile 3) Flow-down mile	r12-2	2	0.5			0.5	0.5	0.5	1	
d) Run-off rate	r12 (r) 2-1xr13-2)	4	0.0	) "	0.1	a.ıţ	0.1	0.1		
5) Ran-off pollution load	12 52x r42	<b>kg</b> /day	3.80	380	336	3%	380	380	- 1	
B3 Foliation load from small scale industries		المعادا	۱ ۵۰	633	ננו	633	633	ຜາ		
2) Foliation load produce d 2) Flow-out ratio	53 713-1	kg day	0.3			0.Z	02	0.2	1	
2) Flow-dute table 3) Flow-dura table	d3.2	~ ·	] 03	0.5	که	0.5	0.5	0.5	- 1	
4) Run-off rain	e13 (e13-1ae13-2)	4	0.1				0.1	0.1	- 1	
5) Run-off politation load	13-63xr13	kg day	1.839				1.839	6.7 13.70	ł	
B4. Total run-off pollosion lead from the industries	m-1141F	1.500	] '`~'	l '~	`~`	ا <sup>تت</sup> ' ا		`~`]	1	
CAgricult and pollution land	1	1	1	1		í l				
Ct Polytian lead from fields*	ct .	t g day	J	1	l .	1		1		
1) Politation load produced 2) Stor-out axio	(121-1	- 2	1	1	1	l İ				
3) Flow-down mile	1-21-2	3	ı	1		ļ			į.	
4) Rust off prio 5) Rust off pollution load	121 (123-54/G1-2) A1= c13 (G1	kg'day	J	1		i l			ı	
C2 Polation load from livestok			ł	ŀ		l !			- 1	
1) Politation load produced	c2	keday				24.838 0.05	24.438	24.808 0.05	- 1	
2) Flow-out ratio	r22-1 r22-2	7.	0.0.				0.05	8.55 8.5	I	
3) Flow-down sale 4) Run-off sale	r22(r22-1x-22-2)	4	0.02				0.025	0.025	- 1	
5) Run-off pollution load	A2+ c1 x /22	Ng Cuy	. 62	62	1 631		621	621	1	
C3. For the off pollution load from agriculture	A4-A1+A2	kg day	y 62	: 62	: 621	621	621	621	i	
D Other sources		1	1	1	1	1 1	1	[	- 1	
9.Other sources D1 Polysics load from others				1	1	!	I	j i	- 1	
Parliation load produced	41	kgcu	12.25	0 12.29			12,280	12,380	1	
2) Flow out ratio	r31-1	7.	ಿ				0 05 0 3	2.0 2.0	- 1	
3) Flore does note	31-2 31 (31-1x31-2)	4	0.02 0.02				9.025		- 1	
4) Rus-off ratio	06-61 x (3)	ن کوا					307	307	- 1	
St. Brown T. will string land	1	1	1 ~	1	1	1	l .		- }	
5) Rus-off politicion load	1	1	1	1	1	1	l	j i	1	
•		1	.1.	J .	.R. 13.3	3.4	,,	انه ا	5.8	
II. Water quality of control point  E. Water quality monitored					ang 1163	1 3.4	. "	ા વ્ય	24	
II. Water quality of control point E. Water quality monitored E1994		ரைநி	1 3	1	1	i	i	'	- 1	
{E. Water quality of control point E. Water quality monitored E. 15994 E. 170, cengr(1992-1996)		n g T	Ϊ΄		ļ	İ				
(E. Water quality at coalrol point E. Water quality monitored (E. Water quality monitored (E. Water quality (1974) (E.										
(E. Water quality at couled point E. Water quality monitored 13/994 33/400 (1992-1996) 33/400 (1992-1996)	L-L0-Ed-10-43-03		9 20.13	15 9.50			# 201 58.2		11.682 58.2	

Table-5(4) Caloculation of Water Quality (BOD) at Padangan Bridge (2020 : Care-1H)

			HE 1-302.						=	-
Policina lead from aprivents			3.5	<u> </u>	≦97	54	• ; ; `	27	150 1 - 647	4
2. Water flow of Betra Tarchurger	O0 O0	#1.1 #3.1	79.5	27.6	73.71	tā 2	11.9	12.6		
	FO-CATÉS	ده ورا ده ورا	1737: 6367			9.23# 3.645		1,674 1,176		
l. Polluting band from 100 backs			Į		ļ					ļ
Domestic matter water At Pather without (Sub-basin Biblio)			- 1		1			- 1		ı
te Pullicate Read professor	<b>3</b> 1	Lg to	641 85	640 09	642 0.9	6.9 0.9	6.5	642 0.9		ı
3) (	0 1 e-1		0.9	0.0	0.9	6.9	6-3	9.9		١
ව වැන පරි කාල 5) Run ලබ් ඉංගියා an head	et (et-hart-Tr Diwat a et	la žiy	0 6 C	O 8: 5.00	539	5 : 52x	630 500	0 e : 5 20		
A2 Follows lead (Sub-back 6504) 1) Pollows lead produced	4	يان ال	3.700	أمدن	1,700	L.W.	1,700	1,700	1	
2) Flow and racio	4-1	1 - 1	8.5	G.5	0.2	0.5	0.5 0.1	81		
ট্য স্থিতে উত্তৰ্ভ কৰিছ শ্ব স্থানত স্থান	e2-2 e2 (r0 far2-2)		0.05	065	0.05	0.65	005	0.65		1
5) Ruis off political food Al-Political load (Sob-Sauer BS-S)	D\$- x2 t x\$	lg day	15	\$3	55	*5	£5	\$5		
By Pathouse level produced By Para loss rates	ى ن-1	ty en	655 67	6.55 0.71	633 0.7	6.7	653 0.7	635	1	- [
B) Flow down ratio	G-2		0.3	0.3	03 021	03 031	Q 3 0 3 1	0.3 0.21		- [
මා සියපැපති ආශ්ර වල සියපැපති ආරම්ධයෙන වසර	el-(re-tvel-2) D?==2* k el	144.	0 24 1.76	0 21 138	.48	138	138	138	ļ	1
All Patters on Read (Sub-Novin B 5%)  If Patters a lead produced	14	Ag Cay	€-¥c	440	4 ve	+46	44	346	1	
2) Flow que ratio 3) Flow don't ratio	[#1 [#2	1:1	0 E	63	0.5 0.7	0.7	0.7	6.5 6.7		- [
4) R <sub>ச</sub> ுவியம்	A (# 10# 2)		0.56	0.50	0.54	0.56 3.50	9.5e	8.5c 250		ı
Se Burn off politics on load. AS Publisher had (Sub-base ESC).	[4- 15 rd	ta cay	250	20	250	l l		1		
Pullerson lead professor     Pullerson reso	a.	Ng Cay	15	00	75	73 0.9	0.9	49	ı	
3) Par done no	&2 &3(&1(&2)	1:1	0 9:	0.91	0 9 0 8 1	Q 93	0.5	9.9 0.8:		Į
4) Rean off reino 5) Rean-off production head	02- 17- Q	te to	· \$	59	5-9	79	50	59		ĺ
nd Putticum lead (Sub-basin BSHI): b) Pollution load prefunds		14 Sey	1,292	243	1.293	1293	1,290	1293		
2) Flore and make 3) Flore de una milio	φ1 φ2	1:1	03 005	63 695	0.05	0,3 0.05	9 <u>3</u> 905	63 665		
® Run-aff ratio	63 (62 to 5)	4, (4)	9015	6 D 1 5	0015	0015	0015	06:5 19		į
5) Russiali politicos trad ATPallacian Rad (Salto basin BS) te		1 1	1	i i	1	1				- [
1) Politics load produced 2) Plans dut mile	a7 s7-1	ta da,	3 2-6 9-5	3.2 ac 0.5	3.246 0.5	12-6 6.5	9246 63	0.5	1	ļ
3) Phys dieup miss 4) Res off secto	87-3-67-2 (87-2)		0 2 0 1	0 ≥ 0 ì	0 2 0 1	61	01	6 2 0 )		
Syllian of pullition load	27-5-5	14 (19)	325	325	325	325	325	324	- 1	- 1
AS Polloton Suid (Sub-basin BS) 2: 4) Polloton Suid profused	Į.s	ių day	5.94	5.54	5,568	3,363	3,560	5.585	- 1	-
3) Flow dust ratio 3) Flow digwes think	51 A2	1:1	0.5	6.5 6.2	0.5 6.2	6.3 0.2	6.5 0.2	6.3 6.2		ı
4) Ruis off maio 5) Ruis off pollution load	#3(#15#-1) (#- 45 #	Ng say	554	1-6 07Z	0.1 559	5 i	559	0.1 35	- 1	- 1
A Production load (Sub-basis 9.513)		1 1	361	361	36;	361	361	361	- 1	
8) Petitation load profund 2) Flow and rules	A)	Eg. ≗ay	10	0.0	0.6	0.0	6.8	¢5	- 1	Į
3) Plum duma mise 4) Rum off mélo	93 93(01693)	1:1	0.7 0.5a	0.7 0.56	0.7	0.7 6.5c	0.7 0.56	0.7 0.56	- 1	1
5) Run off pollower lead A) (Antonom lead (Sub-tour BF) 4	De- 101 to	يمائية	762	202	202	202	202	262	l	
B) Pulliation land produced	10-2	ومادية	53.44 0.5	5,948 6.5	5,144 0.5	5.144	53#4 2.0	5,1 \$4 0.5	- 1	
2) Flow dut no in 3) Flow down to to	119-2		0.2	0.	0 z	6.2	8.2	0.2		ļ
d) Rum-off rains Se Rum-off pollution land	119-3 (r:0-) 1:r19-31 [0-19-4101 410]	La day	0 t	0 1 51 4	60 514	6.1 514	0.1 514	0.1 514	- 1	
A21.Pollution load (Sub-basis B515)  2) Pollution load produced	},,	kg 40;	1,315	1,315	1335	1.013	9,215	uns	- 1	
2) Flow-our miles	er)-t er)-2	1:1	0.7 0.8	60	0 7 6 6	0.7 0.6	97	0.7	- 1	
3) Flore down mile 4) Rum of mile	RE3(01) (41) (2)						0.63			
5) Run off politicar lead A42,Food sur-off politicar lead from dismostic weath 9 flet		1	04	0.4.	0.42	0.4	0.6	0.6		
	Drite at the H2 Cris-Dri Ori	ky day ky day	0.43 448 3,139	0 42 468 2339			0.6 0.40 462 3.139			
•	Dite of the HII	ky day ky day	466	468	6.42 468	84.	0 4C 462	6 4C 463	ļ	
8 Industria waste water 81 Polluture load from major graducers	04 t+ st ts +t t 64-64 +++04 s	hg day	3,139	468 3339	8.42 468 3.339	84.	0.40 868 3.139	6 4C 463		
B.Fadestria matter matter     B.Fadestria matter from major produces     1) Politicism lead produced     D.Fare and polic	04 to 40 to 40 to 50 to	kg day	466	468	6.42 468	84.	0 4C 462	6 4C 463		
B Jadentine make maker  B ( Polluture load from major products  1) Polluture load from major product  1) Polluture load produced  1) Polluture load produced  3) Polluture load produced  4) Run of Train	Dit = 61 % #3 D6-D1 == -04 8 br #3-1 #4-2 #1 (#1-1-4-14)	kg day	3,13°	9,39 9(1,0 0	8.42 464 3,139	0-43 acs 3-13°	0 45 362 3.139	8 463 3.835 0		
8 Industria maste mater  8 ( Publicus load from mayor produces 1) Fill those load produced  2) Firm out rate 3) Firm down ratio 4) Run off ratio 58 Run off ratio 58 Run off publicus found	Dit-elis 43 26-Di 343 bi et-t et-2	kg day	3,139	<b>مرید</b> 95 <b>در د</b> 0	8.42 668 7.139	0-42 arx 3:130	0 40 462 3.139	6 42 468 3.139 0		
B. Industria maste mater  B. P. Edition load from major graderen  1) Fill from lead produced  D. Fire sou rate  3) Fire down ratio  6) Run off ratio  5) Run off ratio  5) Run off ratio  1) Fire source and recommended to the source of the s	010-010-01 06-0108 b1 	kg day	3,13° 6 0 3,8°5	0 0 0 0 0 0 0	8.42 468 7,139	0-42 	0 40 462 3.139 0 0 0 3.875	0 42 468 3.138 0 0		
B. Industria maste mater  B. P. Edition load from major gradicion  1) Fill form load produced  D. Fire sout rate  B. Ros off rate  B. Ros off rate  B. P. Edition load  B. P. Edition load  B. P. Edition load  B. P. Edition load  B. P. Edition load  B. P. Edition load  B. P. Edition load from the rate of t	Dit - 6/5 42 C6-D4 048 b1 a1-1 a1-1 a1-1 a1-1 b1 + 6/1 b1 + 6/1 b2 a2 a3-2 a3-3 a3-3 a3-3 a3-3 a3-3 a3-3	tg day tg day	3,139 0 3,475 0 3,475 0 8	0 0 0 0 0 0 0 0 0 0 0 0 0	6.42 668 3.39 0 0 3.475 0.8 6.5	043 468 3,230 0 0 0 3,875 0,8	0 40 462 3.139 0 0 0 3.875 0.5	0 42 468 3.139 0 0 32.75 0.5		!
8 Industria made mater  9 P. P. Blother, load from major graderen  1) Follows load problem  2) For our rate  9) For our rate  9) Ron of rate  5) Ron of rate  1) Follows load from land  1) Follows load from land  1) Follows load from land  2) For our rate  9) For our rate  9) Ron of rate  5) Ron of rate  6) Ron of rate  1) Follows and produced  2) For our rate  9) For our rate	Dit- atts 43 Co-Di Ois bi	tg day tg day	3,139 0 0 3,875 0 8	464 3339 0 0 9875	0.42 468 3.139 0 0 3.875 0.8	0.42 428 3.230 0 0 0 3.975 0.8	0 40 469 3.139 0 0 0 3.875 0.8	0 40 468 3.139 0 0 0 0 0 0 0		
B Individue matter matter  B P. Publisher hand from major producers  1) P. Bill man food producerd  2) P. Ser man rater  3) P. Ser man rater  4) R. Ser mill publisher hand  B P. Rom off rate  B P. Publisher hand from hange and medium wate individues  1) P. Bill hand from hange and medium wate individues  1) P. Bill hand from hange and medium wate individues  1) P. Bill hand from hange and medium water individues  3) P. Bill hand from hand  5) R. Ser mill made  5) Rom off made  5) P. Bill hand from an until with individues	Dit- 62% 42 C6-D1 O88 bit 47-2 48-01 (4-45) 18-64-61 52 42-5 42-5 42-6	kg day kg day ka day ka day	-66 3,139 0 0 3,475 0 8 8,50	464 3339 0 0 3875 0.5 0.5	0.42 404 0.139 0 0 0 0 0 0 0 0 0 0 0 0 0	0-42 	0 42 402 3.139 0 0 0 3.875 0.5 0.4 1.5% 8.2	0 42 463 3.139 0 0 0 0.5 0.5		!
8 Industria mate mater  9 P. P. Blother had from major produces  1) Fill had been produced  2) Firm sam rater  9) Firm descent mid  6) Rom off mid  8) Firm descent mid  8) Firm descent mid  1) Firm descent mid  1) Firm descent mid  2) Firm descent mid  2) Firm descent mid  3) Firm descent mid  6) Rom off mid  6) Rom off mid  6) Rom off mid  7) Rom off mid  8) Rom off mid  8) Firm descent mid  8) Firm descent mid  9) Rom off mid  8) Firm descent mid  1) Firm on descent mid mide exhauten  1) Firm on descent mid mide exhauten  1) Firm on descent mid mide exhauten  1) Firm on descent mid mide exhauten  1) Firm on descent mid-	Dita dis 41 Dita Dis - Dit  bit dita dita dita dita dita dita dita di	kg day kg day kg day kg day	#66 3,039 0 0 3,075 0 3 0 5 0 4 1,550	0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0 0,0	8.42 668 3.439 0 0 0 0 0 0 0 8.5 0.8 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0-43 -428 -3.130 0 0 3,875 0.8 6.3 6.4 1,550 6.2 0.8	0 40 302 3,139 0 0 0 0 0 0 0 0 0 0 0 0 0	0 43 465 3 3 3 3 5 6 0 0 0 0 3 3 7 5 6 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		!
8 Individue matter matter  9 P. Published had from major production  1) P. Port mate find produced  3) Piers mate find  4) Row off min  5) Row off min  5) Row off min  5) Row off publication load  8) Produces load from large and medium wait individues  1) Port out made  3) Piers down min  4) Row off min  5) Row off min  5) Row off min  6) Row off min  1) Produces load from min with individues  1) Produces load produces  1) Produces  1) Produces load produced  2) Provinces and  3) Produces and produced  3) Produces and produced  3) Produces and produced  3) Produces and produced  3) Produces and produced  3) Produces and produced  3) Produces and produced  4) Row off min  6) Row off min  6) Row off min  6) Row off min  6) Row off min  6) Row off min  7) Produces and  8) Produces and  9) Row off min  9) Produces and  9) Produces	Dita dis 41 Dita Di Di II  bi dita dita dita di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi di Di sentidi	kg day kg day kg day kg day kg day	### 3,439 0 0 3,975 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5	464 2,359 0 0 0,0 3,875 0,5 0,5 0,5 0,5 0,5 0,5	8.42 604 3.139 0 0 0 0 0 0 0 0 0 0 0 0 0	0-43 	0.40 302 3.139 0 0 0 3.275 0.8 0.5 0.4 1.550 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	6 45 465 3 1 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		
8 Industria made mater  9 Industria made mater  10 Fillution load proteon  10 Fillution load produced  10 Fillution load produced  10 Fillution load produced  10 Fillution down ratio  10 Ren of ratio  10 Ren of ratio  10 Fillution load fillution load  10 Fillution load fillution load  10 Fillution load fillution load  10 Fillution load fillution load  10 Fillution load fillution load  10 Ren of ratio  10 Ren of ratio  10 Ren of publicate load  10 Fillution load produced  10 Fillution load produced  10 Fillution load produced  10 Fillution load produced  10 Fillution load groups and	Dit alts at De-Dit = -048  bit atti-	kg day kg day kg day kg day kg day kg day	466 3,139 0 0 3,975 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,	464 2,359 0 0 0 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0	8.42 668 3.439 0 0 0 0 0 0 0 8.5 0.8 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	0 43 428 3.130 0 0 0 3.675 0.8 0.3 0.4 1.550 6.22 0.8	0.40 302 3.139 0 0 0 3.275 0.8 0.5 0.4 1.550 0.2 0.3 0.3 0.3 0.3 0.3 0.3 0.3 0.3	0 463 3139 0 0 0 0 3275 0.4 0.5 0.5 0.4	A Angelon Control of the Control of	
8 Industria mante mater  8 Industria mante mater  1 Fill discuss load from mayor gradicion  1) Fill man load produced  2) Firm out rater  6) Run off main  6) Run off main  7) Fill discuss load from bayer and medium scale industries  1) Fill discuss load from bayer and medium scale industries  1) Fill discuss load from bayer and medium scale industries  1) Fill discuss load from bayer and medium scale industries  3) Film out main  5) Run off from the scale industries  1) fill discuss load from small with industries  1) fill discuss load from small with industries  1) fill discuss load from small with industries  1) Film out main  3) Film out main  4) Run off table  5) Run off table  6) Run off table  6) Run off table  6) Run off table  6) Run off graditum load  6) Total new off graditum load  6) Total new off graditum load	Dit alts at De-Dit — Dit Bit at 1	kg day kg day kg day kg day kg day	466 3,139 0 0 3,975 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,5 0,	464 3.359 0 0 0 3.875 0.5 0.5 0.5 0.5 0.5 0.5 0.5	8.42 464 3.139 0 0 0 3.875 0.8 0.5 0.4 1.550 8.22 0.8 0.5 0.5	043 468 5,230 0 0 0 3,875 0.8 0.3 0.4 1,550 0.8 0.5 0.5 0.5	0.40 307 3139 0 0 0 3275 04 1550 822 924 03 03 04	0 463 3 1 3 4 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	A September 1997	
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3. Indication made water  3. E-Statuse load from major graduces.  1. Fill Status load produced.  2. Firm sout more  3. Firm sout more  4. Run off major  5. Run off major  5. Run off major  5. Firm sout more  5. Firm sout more  5. Firm sout more  6. Run off major  7. Firm sout more  6. Run off major  7. Firm sout major  6. Run off major  7. Firm sout major  7. Firm sout major  8. Run off major  7. Firm sout major  7. Firm sout major  7. Firm sout major  7. Firm sout major  7. Firm sout major  7. Firm sout major  7. Firm sout major  7. Firm sout major  8. Firm sout major  9. Run off major  9. Run off major  9. Run off major  10. Firm south produced  11. Firm south major  12. Firm south major  13. Firm south major  14. Firm south major  15.	Details at 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis 10 Co-Dis - Dis	lg day  lg day	### ##################################	60 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	6.45 (6.54 ) 6.54	6-15 (	0 40 40 40 40 40 40 40 40 40 40 40 40 40	6 cc 465 465 465 465 465 465 465 465 465 465	60	
8 Judentrie mante mater  9 (F. Pallacus load from mayor graducers 1) Filtra load produced  2) Firm sout rate 4) Rins off ratio 5) Rins off ratio 6) Rins off ratio 7) Firm sout rates 6) Rins off ratio 7) Firm sout rates 1) Filtra load from target and radious make architects 1) Filtra load from target and radious make architects 1) Filtra downs tartio 8) Rins off ratio 8) Rins off publicate load 8) Filtra of ratio 7) Rindows load produces 1) Filtra load from the architects 1) Filtra load from south 1) Filtra load from the architects 2) Filtra off ratio 3) Filtra downs tast 6) Rins off ratio 6) Rins off publicate load 84 Final rate off publicate load 84 Final rate off publicate load 84 Final rate off publicate load 85 Filtra off publicate load 86 Filtra off publicate load 97 Filtra off publicate load 98 Filtra off publicate load 98 Filtra off publicate 1) Filtra down rate 5) Rins off publicate load 1) Filtra down rate 4) End of rate 5) Rins off publicate load 1) Filtra down rate 4) End off rate 5) Rins off publicate load from spire when 1) Filtra down rate 4) End of rate 5) Rins off publicate load from spire when 1) Filtra down rate 1) Filtra of publicate load from spire when 1) Filtra down rate 1) Filtra of publicate load from spire 1) Filtra of publicate load from spire 1) Filtra of publicate load from spire 1) Filtra of publicate load from spire 1) Filtra of publicate load 1) Filtra down rate 2) Filtra off publicate 3) Filtra off publicate 3) Filtra off publicate 3) Filtra off publicate 3) Filtra off publicate load 6) Rins off publicate load 6) Rins off publicate load 6) Filtra off publicate 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publicate load 6) Filtra off publica	011 - 415 - 41  64-04	lg day  lg day	### ##################################	### 2329   0   0   0   0   0   0   0   0   0	6.45 669 7.359 6 6 7.359 6 6 7.359 6 7.359 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	6-15 (	0 40 40 40 40 40 40 40 40 40 40 40 40 40	6 cc 4	60 60 14.05 355	7

Table-5(5) Caluculation of Water Quality (BOD) at Canggu Tambangan (2020 : Case-III)

l'agre		4 tites		Ja	300	_ N2	35.	Sa /	V21.202	25 2 V a ]
Pullution had him up aream	1	l .i	ŀ		1	i		- 1	i	- 1
17M storega ality of Parl மாதம் (949)	00	a.t.		- 1		I		1	1	- 1
2/Water flow of Patingen	1 &=00.400  00	m3 s lgday	\$6.154	14,391	28,522	12.991	1124	18,474	1	- 1
కెళ్లెంకోగుగు గ్రామ గుండా బ్యాంకాలా జాగ కి) కొంటుంతో ప్రాకెక్కరుగుణ గిండికే గుంగా బ్యాంకాల జాగ	10-00-30	E G day	2.43	2,159	3 2 28	1,9 80	1.697	1.571	ĺ	
It Pollution had from sub-busin										
A. Oursestie waste water	i	i i				ĺ	}	- 1	- 1	
A 3. Pulliotica local (Sub-basia Ed (9)		I i						214	ł	
1) Pullation lead produced	21	ap 45	219	2,0 0.9	219	2:9	0.9(	0.9	- 1	1
25 Bow-out ratio	r1-1 r1-2	1 : 1	3 =	0.9	0.4	0.4	0.4	0.4	1	
3) Fire describ	rt (rt tart 2)	1 - 1	0.36	0.36	مده	0.76	0.36	0.36	- 1	ĺ
4) Rum-off raiso	Di-atari		79	29	7.	7.	79	79		
5) Rust off publisher load AZ Politica load (Sub-basin Bo 20)	100.00	45.44	, , ,		''		- "1	•		
Politation lead produced	Le	ky đay	No.	262	202	3/2	202	202		
2) Standard print	12-1		0.0	6.9	0.9	0.9	<b>0.9</b>	0.9		
3) Plane-drive cates	(4.2		0.1	0.4	0.4	0.4	0.4	0.4		
4) Run off salio	(C) (C) (+(C)(2)	1 .	0.36	0.36	0.36	0.36	0.36	0.36	- 1	
5; Rag-off policing had	02-32172	kg day	73	7,3	73	73	73	1)		
A3 Total numoff pullusion load from domestic waste water	06-01-02	Kg day	152	(52	150	15.5	152	152	ĺ	
S.Industria wase water	1			]	•					
81.Pobation lead from major producers	L	I !		٠	ا ا	أبدرها	\$ 129	1,125	l	
1) Pollution Tead produced	Ht .	ag day	8,929	8.03-	8,20	8,124	0.9	0.9	- 1	
2) Flow out catio	r11-1 r11-2	٠ ا	0.9 0.4	G.9 0.4		0.5	0.4	0.4	1	
3) Flow dows ratio	d1(d1) (e1)=0		0,36	936			0.30	036	}	
4) Run off raio	it-blacti	kg day	2,976	2.936		2 926	2,906	2 926	- 1	
5) Run-off pollution load  B2 Pollution lead from large and on Jum scale industries	111-012111	Ag wy	•	1.75						
Politicka had produced	b2	kg day	83	an an	100	30	90	80		
2) Flow out ratio	(12-1		19				0.9	0.9		
3) Flore dama corio	r)2-2		04	0.4	0.4	() 4	0.4	0.4		
4) Bun-off eatio	(12 (r12-3xe32-2)		0.36	0.35	6.36	0.36	0.36	0.36		
5) Run-off pollution load	12- 52s #12	kg - y	29	29	29		7.	250		
B3 Pullation load from small wair industries	i	1				<b>j</b>			ļ	
r) Patierias lead produced	( N )	kgday	17			17	17	)7	- 1	1
2) Flow-out ratio	[713-1	١.	0.9				0.9	0.9		
3) Flow down rain	r13-2	-	0.4			0.4		0,4 0,36		
4) Ruo-off raid	rt3 (rt3-1xr13-2)	1. :	0.36			9.36	0.36	0_0		
53 Ruo-off pollution lead BA For at tranself pollution toud from the industries.	13+53sz(3 16+11+12+13	رث ولا زندوا		3.003		3,103	3.103			
C.Agricultural pollution lead										
C) Polition lead from fields	1	ı				1	į .	l !		
1) PoPution lead produced	[c]	وطانوه	1		ł	l	ĺ			
2) Flow-out ratio	d -	1			3	l				
3) Flow down ratio	*21-2 *21-0/24-13:(21-2)	1 :	ł .	1	1	l	1			
4) Rup-off ratio 5) Rup-off patholog tout	A1-cla (2)	tg day	Į.			ļ		1 [		
C2 Pulsation load from livestek		1 .	ł	!		l .		1		
1) Pollution load produced	<2	Lg day	1,027				1,023	1.022		
2) Flow out gain	an	1 .	0.0						j	ļ
3) Flow-down mile	02-2	1 .	0.4						i '	i
4) Rus-off rain	(22((72-14/22-2)	1	0.04			0.04		41	•	
5) Rus-off politicion tead C3 Total cus-off politicion tead from agriculture	A2= c1 t G2 Ad=A1+A2	kg day				,	4.			
D.Other souces		I	1			1				
D1 Polytica load from others	1	1	1	1	1	I	1			ł
t) Pollution load produced	31	kg (c)	364						l	1
2) Flow-out ratio	r38-1		0.0						l	1
3) Flow-down ratio	131-2	ļ -	0.							l
4) Run-off est/o 5) Run-off pollution load	131 (131-14:31-2) 06- 41 x 131	kg/du	200							
1 ' '		1 .		1						
ILWater quality at control point  E.Water quality stronitured		1	1	ŀ	1	1	i		l	l
1)1994	l.	m <sub>a</sub> 1	. 3.	4 4	n s.	3 10.0	\$ 52	4.9	5.2	5
2;Average(1992-1995;	t	1 "	1	1	1	1	ł		l	
3)Median(1992-1996)		1	}	1	1	1	1		ı	1
F.Result of calculation	1	1	1	1	1	1	1	1	}	I
13Total rec-off polution load	L-LO-DC-16+Ad+Cd	15.00	y 5.75							
2)Water Sew	Q	m3h								
3/Water quality	K-1/0	# c.1	1 5	2 3	ni 5	9 4.	4	\$ 44	. 5.0	<u> </u>

Note: Pollutine lead from fields is included in other scuore

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Table-5(6) Caluculation of Water Quality (BOD) at Karangpilang (2020; Case-HI)

	r	nelses I	1.04 T	Jal.	Alay	Sep.	(C-	No. Are;	DN 1 257	vil
Polistian lead from up steem		pe,sex	1-3			-			1	
1)Water quistip of Cangos Tambungar (1994)	[ce	mg1 m3.s			- 1	- 1	j	-	1	
ప్రెక్ మాగ్ గొరికు ఇక చెప్పుల్లు Tపూరించిస్తుని కెట్టెంటింకును సిందర్ కుణా అయ్దారు. మా	16-00:00	doc	5.750	5.434	6.554	5274	5 022	4,595		
4) Run-off pollotion lead from upsteem	ra-carge	ردة ع	243	623	963	79:	753	734		
l. Published from sub-basic	•			1		-			- 1	
Doctarskie waste water	ì		- 1			- 1	ì	ļ		- (
A) Politrios lead (Sub tusin R621)  1) Politrios lead produced	ا ا	وملاوا	249	249	249	249	249	249		ļ
2) Flow-out ratio	na	- 1	0.9	0.9	0.9	<b>\$</b> 9	5.9	0.0	- 1	
3) Flow down ratio	rt 2	· [	0.2	0.2	D.2	0.18 0.18	0.18	0 2 0 18	- 1	
d) Rup off tails	ri-(ct-luct-2) Dt=at s ri	kg dıy	0.18 45	D 18	45	45	45	45	- 1	
5; Rug-off petturion tend A2:Petturion lend (Sub-Basin B622)	12,444	1,500	-1	~	7	- 1			- 1	- 1
1) Politrios leud perduced	42	Locar	900	300	800	200	800	s20	- 1	
2) Flow-parestia	64	1	0.9	0.9	0.9	0.9	0.9 0.7	0.3	- 1	
i) Flow down to lo	12-2 12-(12-12-2)	l : I	0.27	0.27	0 27	0.27	0 27	0 21	1	1
4) Run-off ratio 5) Run-off pellution load	D2-12   C	kg cay	716	216	216	216	215	216	ĺ	- 1
A3.Pollution knd (Sch-base B023)					1			}		l
Pollution lead produced	D.	kg Cay	322	322	322	322 0.9	322 6.9	322		
2) Flow and ratio	0-1 0-2	. 1	0.9 6.5	0.9 0.5	0.9	0.5	2.0	6.5	- 1	
3) Flow-down to io 4) Rumoff mile	e3 (r3 (a/2-2)		0.45	0 45	0.45	0.45	0.45	0.45	- 1	1
S) Rus-off politicion level	03-20-0	hg/day	145	145	145	145	145	145		
A 4.Pollurion lead (Sub-barin Be24)	1.	l I					126	158		
1) Pollution lead products 2) Flow out ratio	14 14-1	A5 wy	128	326 0.6	178 0.6	(28) 0.5	0.6	0.5		
3) Bow-down care	13.2	]	0.2	0.2	0.2	0.2	0.2	0.2	1	- 1
4) Run-off ratio	(4 (x4 (x)4-2)	-	0.02	0.12	0.12	0.12	6 9 2	0.12	- 1	1
5) Rea-off pollution lead	Code Site 14	Eg /Lay	15	15]	15	15	15	15	ı	ĺ
AS Political lead (Sub-basic B670)  4) Political ked produced	15	بن وو	125	825	\$25	825	<b>\$</b> 25	825	ĺ	
Potentie kod poduced     Pow out ratio	151	•••	0.5	0.5	0.5	که	د٥	0.5	1	
3) Flow down mile	15.2	.	0.2	9.2	0.2	0.2	0.2	0.2]		l l
4) Run-off ratio	33 (d. (u.5-2)	1	01	0.1	01	Ø 1 B3	0.1 83	83		l
5) Ruo off pollution load Af Pollution load (Seb-basin 8631)	D5- x54 r5	is cay	1,3	8.3	ນ	•	*1	• 1		
t) Polition lead produced	λc	kg cay	c	٥	٥	9	o,	0	- 1	
2) Flow-out ratio	r6-1	1 - 1	0.7	6.7	0.7	0.7	0.2	0.7		ļ
3) Flow-down ratio	:6-2 -4-8 (4-3-4-3)		0.3	0.3	0.3	0.3 0.21	03	0.3		1
a) Run-off ratio 5) Run-off policifon had	66-3 (r6-14:6-2) (r6- 56-6	kg (-)	62: 0	0.21	V 23	٠٠	¥**	6		i i
AT Polluting food (Sub-busin 8672)		1-*-1	_			- 1	- 1		- 1	
1) Pollution load produced	a7	Eg Coy	0	. 0	0	. 0	0			
2) Flore and pario	(2) (2)		0.8	0.8 0.3	0.5	0.8	0.9	0.8 0.3		1
3) Flow-down ratio 4) Rus-off ratio	17-3 (67-1x:7-2)	1 : 1	0.24	0.24		0.24	0.24	0.14		
5) Run-off poPurion back	D?- a?x r?	Rg Cay	0	٥	0	o.	٥	٥	- 1	
AR Total top-off pollution load from domestic waste water	D4-D1+-+23	k, cs	50-4	304	50-4	504	504	504		
8. Industria waste water	ì	1 1					- 1	i		- 1
B ).Pollistion lead from major produce o		I :	_	١.	ا ا	P.	۰	6		
() Pobsico losd produced 2) Flow-out ratio	b: e31-3	La day	08		0.8	0.6	اق	6.3		
3) Flow-down ratio	rt1-2		0.25			0-25	0.25	0.25	1	- 1
4) Run-off maio	211(61)-1e(1)-1)	1 - 1	0.2		0.2	0.3	0.2	0.2		- 1
5) Rug-off polhnice load	() - b( v r; t	Lg day	٥	0	<b>ា</b>	9	9	r)		i
82.PuBusion lead from large and medium scale industries  1) Pollution load produced.	62	kg day	26,582	26.582	36.582	26.582	26,282	26.582	- 1	
2) Flow-out ratio	ri24	1.0	0.7	0.7	6.0	9.7	0.7	0.7	1	- 1
3), Flow down ratio	112-2	1 ·	0.25			0.25	0.25	0.25		1
4) Run-off ratio	r12 (r12-13-12-2) 12-102-132	ka day	0.18 4.65\$			0.18 4.652	0 18 4,652	Q.18 4.552		
S) Run-off pollution load  B3 Pollution load from small scale industries	1,- 0,4 (12	بسوء	4.50	1	ì ""	****			- 1	
1) Pollurion load produced	<b>33</b>	وعاينا	5.269	5.269	5.269	5,269	\$ 269	5,749	1	
3) Flow-out ratio	rt3-1	1 -	6.7			0.7	0.7	0.7		ŀ
3) Flow down carlo	ri3-2 ri3 (rl3-(sr13-2)	1:	6.25 0.18			0.25 0.18	0.25 0.18	0.25 0.18		- 1
4) Run-off ratio 5) Run-off pollution load	13-63 art3	11/65				922	927	922		- 1
BA Ford run-off pollution load from the industries	M-5:+12-13	وكالوالم	5.574	5,574	5.574	5,574	5 5 7 4	5,574	- 1	
C.Agricultural politation load	İ				!	i	1	1 1		ļ
Ct Policies load from felds*		1		l	1				l l	- 1
1) Politerion load produced	61	ے دہ	r	l l		1	1		- 1	
2) Flow-dut ratio 3) Flow-down ratio	121-1 121-2	1:	1	1	l '		l '	}	- 1	
4) Run-off ratio	(2) ((2)-1x(2)-2)		1	1	i i			1 1	1	ı
5) Run off perfering load	At-cir G1	le Cu	4	1	1				- 1	i
C2 Polition load from live with  1) Polition load productd	e?	kg år	6.93	d 6,93	6,934	6334	6934	6,934	i	- 1
2) Flow-out rade	e22-1		0.00	5] 0.9	5 0.05	0.05	0.05		1	l
3) Flow down ratio	G2-2	1 .	0.3							Į.
4) සියන-පණි පත්ය 5) සියන-පණි ලංචිපත්යක වශක්	722(722-14:22-2) A2-114 122	12 65	6.0 y 6						- 1	1
5) Rum-ett pettonon trad C3 Total rum-ett pettuden laad from agaitvitum	A2=A1+A2	183							ŀ	
1	1	1	1	1	1	1	l		1	
D. Other souces D. Politijon kud from others			ı	1	1		I	1	1	-
1) Pullation load produced	dt	kg/da	y 10.35	\$ 10.30					- 1	
2) Flow-out ratio	di-1	-	60							
3) Flow-slove ratio	(3)-2	1:	0.0						•	
4) Rep-off ratio 5) Rep-off politation load	r31 (r3)-har3(-2) Od- d1 x r31	25.5	9.0 10						1	
,		""	ັ] "	Ή "	1			<u> </u>		
III. Water quality at control point		-	1	1		1	1	1	- 1	
E-Water quality destilland		m <sub>s</sub> .	1 15	.7 11	J 11.	144	9 73	7.9	11.3	14.0
2)Average(1992-1996)	1	""	1 "	"I "		Ι	1	1 1		
3)Mr-Eap(1992-1996)		- 1	1	1	i	l	1	[ ]	- 1	
F.Se unit of enluciation	E-E0+Dd+1d+Ad+O	ا م	25 2.21	3 7.0	3 723.	7,64	7,00	4 6.985	7,075	
	10 "W. + Wi + 10 * 10 * 10 * 1	c [kg2								
tylictal two-off polistics lead 2)Water flow	lo l	E.3	1 12	.B] ≯2	8 12	k]   12.1	8 12:	12.7	12.8	

Table-5(7) Caluculation of Water Quality (BOD) at Ngagel (2020 : Case-HI)

tu ma	<b>I</b>	unics:	10	14:	Nes.	<u></u>	(1)	22	asino 13	) · V ·
PulluSon Roud Brancop diream				[		Ì		i	1	
n) Warri quidity of Karring (1845) 2:35 and flow of Karring (1845)	CO	ائي:¤ ال∓	- 1	Į		l		l		
2)Water flow of Karangpilang 3gPullongs loud from upstream	in-cripe	ks đại	17 113	17 673	17 233	7,042	17,004	14,9%	ļ	
4) Run-off pollution food from opereum		k z Ły	2.567	2.361	\$282	2.556	2351	3.5-48	1	
		ł	- 1	1		l		l i	1	
Politica Red from with besite Armostic meste mater	1 1			- 1	1					
As Polluting Inst (Sub-busin BS=0)	<b>1</b>	- 1		i						
E) Pollurice load produced	at l	ky đy	71.7	717	717	7,1	717	747		
2) Flow out raio	चन बद		0.9	0.9 0.4	0.1 C.0	0.9 0.4	0.9 0.4	0.4	· i	
3) Flow-down ratio	a (e-turi-b	. : I	6.36	0.36	0.36	674	0.6		!	
4) Rancoff galo- 5) Rancoff politicis load	(DE- 31 4 II	kg đạy	258	238	256	25%	258			
A2 PoButing lead (Sub-Sutin 8541)										
1) Politories lead postured	122	kg day	(70	(70	176 6.6	170	(79 0.6			
2) Bow-out ratio	(4) (6)	-	D.6]	0.6 0.2	0.0	0.6] 0.1	0.0			
3) Flow down ratio 4) Rus-off ratio	(0.02) (0.02-0.02-2)		913	0.13	0.12	011	912	0.12		
S) Run call politics lead	D2- x2 x 12	kg-Liy	20	Y(s	26	3)	20		1	
A3 Pollution Irod (Sub-basia 8542)		1								
E) Pullution load produced	2	i g day	851	857	B87	\$37	8x1		1	
2) Flow spat paid	0-1 0-2	1 · 1	0.7	6.7 0.3	07	0.7 0.3			l I	
3) Flow-down ratio	(3)(3-1-3-2)	1 . 1	6.21	0.21	9.39	9 21	0.24		!	
4) Run off ratio 5) Run off petition load	03-31-13	152	186	196	188	136	190		1 l	
A 4.Poliusion food (Sub-busin B543)								,	1	
1) Pollutive lead product 3	24	kg day	4302	4,3(2					1	
2) Plaw au raie	74 L 14-2	1:1	0.9 0.4	0.4					]	
3) (Residens ció) 4) Residentes	(4 (14 ) 1/4 2)	ı il	0.16	0.36		0.36	0.34			
4) Run-off politics load	04- 141 15	L <sub>2</sub> d <sub>1</sub> y	9 5	1.549		1.549			ł l	
A.S.PoPutios Ired (Sub-busia B544)	1	l l				1	]		} {	
1) Pollution lead product d	13	as du	2.0K2	2.083						
2) Flow-out raio	5-1 5-2	1 : 1	0.7	0.7						
3) Flow-d. wa cuito 4) Rus-off milio	r5-3 (r5-1)(r5-2)	1	0.53	843						
S) Run off pollution lead	05-200	ag day	1,312	1.313	2.31	130	ונו (ו	1313	1 1	
A5 Total not off pollutine lead from direction waste water	08-01-00-03-04-01	ردا و ۱	3325	1,325	3,31	3.325	7,32	3.325	1 1	
	i	i		i			1			
Industria waste water	ļ			l		1	1			
8 t Politaios feed from easier producers 1) Politaios lead produced	bt	t g day	547	\$41	54	543	54	7 541	,	
2) Flow-out ratio	rt1-1		0.9	0.0	0.	9 0.1	<b>≯</b> [ 0.	9 0.9	1 I	
3) Flow-down ratio	c) 1-2		0.4							
4) Rus-off ratio	e)1 (e( -) or (1-1)	-	0.36							
5) Rue off pollutine load	11- 51 × 11)	kg day	197	j ,6	7] 19	7] 19	<sup>7</sup> ا اُ	7 19	Ί Ι	
B2. Pollution load from large and medium scale industries	b2	kg day	17,585	17.58	5 17.58	5 17.58	5 17.38	5 17.5%	sl I	
1) Policion had produced 2) Flow-out ratio	r12-t		0.3							
3) Row-down ratio	rt2-7	1 -	0.4							i
© Rua-off ratio	r12 (r) 2-(vr) 2-2)	1 :	0.75							
5) Run-off politation load	(2- b2x r42	kg duy	4,924	4.92	4,9	490	4,93	4,904	1 I	
83 Politative load from small scale industries	N	1	3,881	3.58	3.88	1 3,88	3.88	3.58	d l	
1) Pollution knd produced	63-1	رسلاوها	1							
2) Row ou raio 3) Row-down raio	c13-2		0.4					4 0.	4	ŀ
4) Rus-off exio	(13 (r)3 (ur)3-2)	-	0.26							1
5) Run-off pollution load	D-534/13	kg du								
\$4 Foral nea-off pollution load from the industries	13-91+E+G	kg/day	6 30	6.20	7 6.20	6.20	6.30	97 630	Ί !	ı
Agricultural polistion load		1	1	1	1	1	1		1 1	ı
Ct Polition leed from Selds*			1	1	1	1	1	ı	1 1	l
t) Polissias last produced	d	kg ds	1	1	1			1	1 !	1
2) Flow-out ratio 3) Flow down ratio	721-2 721-2	-	!	1	1	1		ĺ		1
3) From down mile 4) Rus-off ratio	r28 (r21-14r24-2)	-	1	ł	1	1	1	1		ı
5) Rue-off pollution lead	Al-cler21	رن وه	y .	i	1	1		1	1	ı
C2 Politica land form livestok	c2	lara.	2.20	3 2.30	3 2.3	03 2.20	3 2.3	03 2.30	.al	ı
t) Pollution load produce 2	22-1	kg as	0.0							ı
2) Flore-out ratio 3) Flore-down ratio	en a	1:		4 0	<b>⊲</b> (	4 0	4 3	1.4 0	4	1
6) Ruo-off ratio	r22(r22-1x(22-2)	٠.	0.0		2 6	22 0.0				1
5) Rus-off pollution lead	A2- clac2	kg da						4 4		I
C3.Total nun-off pollution load from agriculture	A6-A1+A2	kg 4.	ሃ ⁴	1 '	<b>4</b>	*4	<b>"</b>	4.1	ч	l
O.Other souces	1		1	1	1	1	1		1	l
DI Polution load from others	I	Į.	1	1	.	J			.1	1
1) Polluties load produced	d3	نگائية	5.43							1
2) Flow-out ratio	014	1.	0.0			05] 00 04] 0			23) 14	1
3) Flow-down ratio	631-2 631 (631-14631-2)	1:	0.0			0.				1
ন্য মিকে ক্র্যা হয়। ত ১) মিকে ক্র্যা ক্রম্যেক্তর স্থিত্য	Od+ d1 x r31	i.g.				68 1			Ş-	1
NI before the fourteeness acres.		1	1		ı	1	1	1		1
III. Water quality at control point	1	1	1			}		I		
E. Water quality monitored 2)(954	1	ang/	ւ	.1	5.0)	s.o s	R	7.3	. 12 12	s!
2)Average(1992-1995)	1	٦٠٠	i i	1	i		1		1	1
3)Median(1992-1996)		1	Į.	1	1	1	1		1	1
3 3 Managa 201 (2 Act - 1 Act )								1	1	E .
F.Result of caluciation		١, .			a -	ac		حجه أبيت	വിധാവ	×Ε
S.Rendt of colorion  1)Total rus off polation load  2)Wiser flow	L-LD+Fd+ld+Ad+Od Q	kg di sili							33 12.24) 18 12.8	

Note: "Pollution load from fields is included in other sources

Table-5(8) Caluculation of Water Quality (BOO) at Kayoon (2020; case-BI)

hero		unite's	10	16.	_ 'A-y	<u>5</u> ×2	- EN 12-1		CON 755 V
Pollotion kad bom up aream	I.	_ [			- 1		i	i	- 1
DW net quality of lets Biodge 141001	co .	e. b.)			t	- 1		- 1	ļ
Z-Water flow of Jedis Bildge	Ç0	24.1					12,206	12.233	•
ริงตินกับการหลีการรัฐการการระบาท ม	eu-cardo	<b>kg</b> -125	12 232	12.246	12270	12.47 2.448	2,447	2 4	i
6) Run-off policies to all from upothe an	ro-coráe	7 t 1	2.450	2 5.6%	2 454	2.4-68	2.44	241	
Pollution lead from wh-basin		i I		ļ			Į	}	
Durnigic wade water		}		1			1	- 1	
A ) Politifing lead (Sub hours BF-CS)		1 1		i	Į			ار	
() Pollotice load produce \$	st .	a g day	0]	5		. 9	- 9	. 21	ì
2) Flow-out exia	rt I		0.9	0.0	0.9	0.9	0.0	0.9	- 1
3) Flow down extic	r1-2	: · I	0.4	0.1	0.4	0.4	0.4	0.4	- 1
4) Resolf rate	rl (cl. tarl-2)	- 1	0.36	D.36	0.36	0.36	0.36	0.36	- 1
5) Report policies had	D1-32 x ()	kg day	Đ	0	٥	0	머	બ	- 1
AZ Pellution land (Sut-hurin B646)	4	1 1					1	1	}
1) Pulliance loud produced	22	rg J.y	0	0	0	0	0	٠	1
2) Flow-out ratio	(34)		0.0	0.9	0.9	6.9	0.9	0.9	1
3) Flow down ratio	12.2		0.6	0.6	6.0	0.6	C.s	0.6	
a) Run-off ed o	r2 (r2-1) (r2-2)		0.54	0.34	0.54	0.54	0.34	0.54	
\$) Report pollution land	02-3217	رث وا	0-	0	D	0	0	0]	
All Total manufit pollution lead from dimension waste water	06-01-02	kg day	0	e e	ε	e	0	ď	
ใกล้แล้วนิ พลสด พลโตร									1
industria wase water - Bij Polisting land from major producero	}	ıi							ł
Politing lead gradued  1) Politing lead gradued	bt	kg day	Ð	6	0	o.	0	اها	i
2) Flow and ratio	r11-1	1	ľ	. 1	ľ	l -	. 1	1	- 1
2) Filosocial Cata By Filosocial catalo	n1-1 n1-2		]	)		l			- 1
3) Flore down #2.0 4) Run off mile	rt (418-14111)	1 .	e	6		l o		ં તે	- 1
	11-63 art)	kg day	ò	i o	í	ة ا	à		į.
5) Run-off policies less	1:-0134(1	F	۲		` `	ľ	1	l ĭ	i
B1Patterine lead from large and medium scale industries		Rg day	240	2 460	2,460	2,460	2.460	2 460	
1) Pathone lead produced	52	E g day	0.9	200		0.0	0.9	0.9	
2) Flow out exist	c12-1	1: 1	0.5	6.5		2.5	0.5		
By Flore direct take	c12-2	i - I	0.5	0,45		0.45	0.45		
4; Rue off ratio	ct2 (et2-(ur)2-2)	I I	1.107	1307			1.107	1.107	l l
5) Run-off pollution lead	12- <b>524 #</b> 12	E 2 323	2.107	1 107	7.19	1,10	1.707	1 1.10/1	
B3 Pathting lead from small scale industries		. '						امدا	
t) Polluilos feed produced	ы	te day	550	530		\$80	\$80		1
2) Flow our ratio	r13-1	1 .	0.9	0.9		0.9	0.9		
3) Ros dosa raio	rl3-2	1 .	0.5	0.5			0.5		
4) Resignification	rt3 (rt3-tu)3-2)	l ·	0.45						
\$) Run off politic or lead	D-07/13 R-11+12-13	kg day kg day	761 1362	26 : 8,368			261 1,368		
84 Total ago off policies load from the industries	10-11+13-13	1.2	1.50	1	ì '```	1 /~~	1 '-"	1	İ
Agricultural politics load		1			l		l		
Ct Pulption load from fields*	1.	I	1		•		l	1	
t) Politrica lead produced	¢1	زدل نا	1		1	l .	ŀ	i 1	
2) Flow out rain 3) Flow down rain	G1-1 G1-2	1:		ļ				i 1	
3) Rue-(4) Rue-(4) Rue-(4)	G1(G1-8021-2)	1 :		ì	i i	i		1 1	ĺ
5) Run-off pollotice lead	Al-cia Gi	L: de			i i			1 1	
CT Politica Inch from the work	1	1.4.2		I	i	1	1	1 1	1
1) Pollution lead produced	<b>42</b>	رمان و ا	9:						
2) Flow out twio	(27-)		0.05						
32 Flow dows ratio	02-2	1 -	0.3	st os	5 0.2		s 0.5	6 03	l l
4) Rup-off ratio	r22(r22-tur22-2)	١.	0.025		20.0				l l
5) Rus off sobstice load	A2-c1 + G2	ر دی و د		: :	1	:	2	2 2	i
C3 Total sus-off pollutions load from agriculture	A2+A1+A2	1 .6.		4	1	2	<b>&gt;</b>	2 2	
Other souces	1	1	1		1	l	1	1	
D1 Polytics load from others	i	1	1	1	1	1	1	1 1	
1) Pollution load produced	dt	k s de	y 58x	59	0 56	58	58	580	
2) Fire-out care	014	1 "	0.03		s[	5 0.0		0.05	ı
3) First-down ratio	c31-2		0.						Į.
4) Bun-off ratio	(A) ((A)-14(A)-2)	1 .	0.02		\$ 0.00	5 0.02			- 1
S) Run-off pollution load	Od-61 x 131	kg do							
II Water quality at control point		1		1		1	1		
E. Water quality monitored	1	ı	1	1	1	1	1	1 1	ı
1):P94	L	-31	: 1	1	6	2	1		6.2
2)Average(1992-1996)	1	1	1	1	ĺ	Ī	l .	1 1	7
254 versge(1992-1996) 35Median(1992-1996)	1	1	1	ţ.	1	1	1	1	
Jysed ang 1972-1990) F.Renselt of enfortation	1	1		ţ	1	1	1	į į	- 1
t planski in marski politika jan juri juri ja inarski i	1-10-06-16-A8-04	kg'da	y 3.83	S 3.83	نعود 🖟	9 3,73	3 3,83	2 3331	3,834
2/Water flow	Q	3.3		`i ````	ີ ຕີ		T ^^	7 ****	8.1

Note: \*Polistion load from Settls is included in other source.

Table-\$(9) Caluculation of Water Quality (BOD) at Polayaran (2020; Case-III)

De na	L	Un. es	1:5	-251	_2:	×:	<u> C 1</u>		4760 F
Pollution had from up tream	TI		· I				- 1	- 1	- 1
1)Water quality of resolution of a por cased	Œ	mgl		- 1	250		i	- 1	1
2/Water flow of entitle of vice canal	Q¢	m.v.		l	60			- 1	Ì
3;Publishe load from pysterica	(a-co/do	وسائية		- 1	12,100	- 1		- 1	
4) Russoff politrins load from upstream	re-cerco	kg day	1	i	254	- }		- 1	
1. Pollation had from sob-basis		i	ŀ				ļ	l	-
i. Domestic waste water				ļ			1	ì	- 1
At Politica lead				- 1			36	اءد	
t) Patterine I radigmed and	3:1	Ly day	36	36	36	36 C 0	0.0	6.5	
2) Flow out case	rt-t	· 1	0.5	0.0	0.9		0.2	6.2	
3) Flor done note	71-2		Φ.	0.7	0.2	0.2	0.18	6.18	
4) මයෙන් රාජ⊙	#1 (at ticl-2)		D 13	G IS	0 19	0 1%		0.13	
5) Run-off pelletion lead	D!-afact	t, to	6	6	6	6	6	1	i i
A 2 Total mayoff polytical load from demostic waste water	02-01	والتارية	6	6	ь	•	*	<b>^</b> [	
B Industria waste water		1	1		1				
B) Pollutine load from major producers		l l				17.50	امحود		- 1
15 Politerian load produced	16	L, dir	67,200	67,300	67, CC	67.200	67,200	67.300	- 1
25 Flow-out ratio	e11-1	-	0.9	0.91	0.9	0.9	49	0.9	- 1
3) Flaw down tatio	d1/2		0.02	0.02	0.02	0.02	0.02	0.02	- 1
4) Russoff ratio	eli(el1-1srli-1)	•	0018	0.618	0.0:8	0.019	0.018	0318	- 1
5) Rus-off pollution lead	[[= 52 s :11	k _ L y	1.210	1210	1.210	1210	1210	1.250	- 1
B2.Polictics lead from large and medium wate industries	1	l I	- 1					اہ	
Polhetics lead produced	62	k, du)	164	16-1	164	164	स्य	164	
2) Pow-out ratio	r12-1	•	0.9	0.9	09	6.9	0.9	0.5	
3) Firm-down ratio	r) 3-2	•	0.2	0.2	0.2	0.2	9.2	0.2	
4) Rus-off cx(o	et2 (e12 (ac) 2-2)	l - 1	0.18	D 16	6 (8	0.18	9.18	Q.1B	
5) Rea-off pellution lead	12+ 52× c/2	r do	ж	30	30	30	20	30	
83 Politician load from small wate industries		,	- 1					- 1	}
1) Pallation land products	63	وداعونا	33]	33	33	33	33[	33]	ì
2) Flow out ratio	r13-1	l .	0.9]	0.9	0.9	0.9	0.0	0.9	
3) Figuration satio	rs3-2	l . 1	0:	9.2	0.2	0.	0.2	9.2	
4) Rug off ratio	rt3 (rt3 2xet3-2)	١,	0 (8)	0.18	0 13	0.1%	0.18]	0.68	
5) Rep-off pullstion level	D-534:13	1.4	6	6	- 6	- 6	6]	6	
B4. For all root off pollution load from the industries	N-4:-0:40	t, d.	1245	1245	1,245	1.245	1,245	124	Ţ
C. Agricult um? poliution load		i	. !		i l	1	i	l	
C) Poletion load from Selds*	1	1 3	1		I {		- 1		
DPathrica lead produced	e i	k = duy			li		}	- 1	
2) Flow-out salio	(द्धाः)	`. `			l I	ļ	Ę	- 1	l l
3) Flow down catio	#14	•			l I	١.	. !	- 1	3
4) Run-off ratio	(21 ((21-tx/21-2)	1			1	- 1			1
5) Run off pullation lead	Al-cia Ci	kg/day							
C2 Publica land from Eventok	1.	l			ا., ا	56		56	
1) Pulletion load produced	c2	kgiday	56	56		0.2	56 0 3	0.2 <sub>1</sub>	
2) Flow-out maio	ass	Ι.	0.2 0.2	0.2 0.2		0.2	03	0.2	l
3) Flow down ratio	(22-2	Ĭ.		0.2		0.54	0.4	0.04	- 1
4) Rus-off ratio	r23(r22 (ar22-2)	ł	0.04	0.04		0.54	0.04		1
5) Rea-off policities load	A2=c1 x e22	kg day	. 4	2		7	3	3	
C3. Fotal nan-off pollution load from agriculture	A2-A1+A2	hg day	1	2	2]	2	i 1	Ť	
D.Other souces	1	1	1 1						
D) Polyting load from others	1.	l	اا	١	Jl		اا	113	Į
1) Pollution load produced	di	kyes,	113	112		(13)		0.2	1
2) Flore-out mile	r31-1	1 -	6.3			02		0.2	
3) Flow-days ratio	000	1 -	0.2			6.2		0.04	
4) Rus-off ratio	(31 (d) - (u/3) 2)	1	0.04	0.54	0.04	9.04	0.04	0.04	
5) Run-off pollution lead	Od- d( x (3)	1 g day	١ ١	i '	`i	3	i 1	'أ	i l
III. Water quality at control point		1							
E-Water quality monitored		Ł		I			l		ا. ا
1)1994		eng-l	l !	Į.	129		ĺ		12.9
Z)A-eragr(1992-1996)	i i	1	•	{	1	l '	l		i I
3jMedian(1992-1996)		1	1	1			i		1 1
f Result of culticiation	1	1	1	I					ا ا
LaTotal rear-off polyston load	\$ =L0+76+13+A6+00	kg day	1.258	1 25		1.258	1.25%	1,25%	
2)Water flow	Q	m3/s	1	I	3.2		I		3.2
20Martin aux Tou	leson	EN. 3	1	i	5.5	ŧ .	ì		1251

3)Water audito

Note: \*Pullution load from fields is included in other source

Table-S(10) Caluculation of Water Quality (BOD) at Porong (2020 : Case-Hi)

turms	4	u strs	J.C.	-20'	-A#4	_51_1	<u>O 1</u>	Ave.	Do I IV. Vx
Pulletion kind from upstream	1			ļ	1	1		l l	!
L) When quality of master of soone wal	100	Eigh	ł	}	· I	ĺ		ı	1
2) When flow of media of your canal	Ç0	п	į.	)	ı	- 1	Į.	- 1	1
3) Pullating lead fines upstrawn	LP-CC+CC	kg 4−y				- 1	1	- 1	
4) Rug off pedictics lead feets upstorate	LO-CUL IO	kgʻday			. 1	- 1	j		
L Pullution keed from with he an					l	i		- 1	
Duriestic waste water	1		1		[	- }		ł	
A1 Politorios trad	l	1		_	1	_ {		_	
Polityion lead produced	1	kg-d±y]	12	12	) <u>1</u>	13	62	0.9	Ì
2) Flow out ratio	111		P.Q 8.0	0 P		09	0.5	0.8	ŀ
3) Film-dima ratio	0.2		0.72	U M D.73	0.72	0.72	6 72	9.72	
4) Rus off sale 5: Rus off salesse to d	rt (rt (srt-2) D0= at a rt	kg day	0.72	10.72 0	اءُ ا	9.0	1	v	ŀ
At This run off polision load from denestic waterwater	DE-D1	Ag day	v)	9		9	او	J	
•									
lindostria waste water	1	1				1	l	- 1	
B) Politrica load from major produces	bi	المميرا	_	ا م	اه		ار	٦l	1
t) Polluting lead produced	n11-1	25.00	~	i	[ "I	ı,	"	។	I
2) Flore out ratio 3: Flored on a colo	711-2	i						: I	1
S, E (Western Street) € Rust-off ratio	ret (red-lurit-1)	I . I	Ç.	٥				ا، ا	ı
SyRua-off political lead	ti-bi s tit	Eg 325	ŏ	ő		1	ŏ	. 3	ı
B3.Politation load from he are and the dram scale industries	1	*****	ŭ	ľ	1 1	1		l "t	ı
1) Pollution lead graduated	62	464.0	55	55	55	55	55	55	ı
2) Flow out 19:0	(12-)		6.9	0.9			0.0		ı
34 Base down pole	r12-2	i . I	0.8			0.8	0.8		- 1
4 Run-off Fatio	r12 (r12-44r12-2)	1 . [	0.73	0.22		0.72	0.72	0.12	1
5) Run-off pollution lead	12-52s r12	ag day	*	40	100	40	40	40	l l
B3 Politories load from small scale such stries	ł	1 , , ,				l I		I I	
Polluting tood professed	ю	ks day	L)		10	) t	D	u!	
2) Flow out rate	rl3-1	1 1	0.9	0.9		0.9	0.9	0.9	
3) Fine does note	143-2	1 1	Ð B			0.8	0.6		1
4) Ros off cale	r:3 (ct): (srt3-2)	1 - 1	0.70		0.72	0.72	0.32		1
5) Run-off pollution lead	13-63-13	وينة ي ا	В			8	E		
84.Total auto off pollution foad from the industries	36-11+10-23	kg day	ą,	4.5	-as	18	45	48.	
C. Agricultural politicion londi	ľ			1	I	į l			
C1 Petuting lead form Lebis				1	l			I [	
Politoting lead produced	¢1	t's car		1	1			1 1	
2) Flow out rain 3) Flow down rain	121-1 121-2	1 1		1	l	ì		}	L
3) Figure (Comp mano 4) Ruse-(off maio	(C) (C)-1x(C)-2)			1	l	1		1 I	- 1
S) Ran-off policities kind	A3- cie (24	t s day		Ł	l	l l		1 I	1
C2 Polytice load from Birest 4.	1			1	l	1	l		
1) Politation lead produced	c2	kg đạy	19	1 1	19	69	19	19	
2) Flow out ratio	422-L		0.2						
3) Firm down tatio	r22-2	1 .	0.8						
E; Rus-off rails	r22(r22 (ur23-0)	1 . 1	<b>9.16</b>						l l
5) Rue off publishe book	A2- c1 x r22	kg duy	3.34 3.34						
CF Total month pollotion had from agriculture	Ad-A1+A2	kg đay	9,32	]	7 ,54	3.54	]	,,,,,,	1
D.Other sources				1	}		ł	1 1	
Di Palujac kadinen adem		1 1		I	1	1	I	1 1	
t) Politation load produced	di .	Ag day	36						
2) Flow out ratio	Ot-t	1 .	0.						l l
3) Flow-down ricks	(31-2		0.1						i
4) Report exto 5) Report polarios loud	61 (61-1x31-2) 04-41 + 61	ks duy	0.)d 6.00						
-	1, 2,,,,,,	"	•	Ι "	1	1 ~~	1		
III. Water quality at exert roll point	1	Į į	I	1	1	1		1	- 1
E. Water quality monitored	1	1	l	l	1	1			l
():994	ł	ar≟1	ļ.	ļ	9.3	<b>ት</b>		1 1	9.3
2)Average(1992-1996)	<b>)</b>	1	l	i	1	1	l	) I	ı
3(MeSix(1992-1996)	1	1		i	Į	1	1	1 1	í
F.Result of culturation		1	l .		.1	ا.		ا ا	]
() Total run-off politico lost	E-LE-DG-ES-AS-CC	ns s		5 6			i 6:	5 65	63 0.06
2)Water Bow	lQ	1 40.54	1	1	0.04		1		U.00

3)Witter as view.
Note: #Patitution load from fields is included in other sources.