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Table B-1 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "A"

	Date	Sample No.	Flow Rate (m³/s)	MT ()	Hd	EC (μS/cm)	DO (mg/k)	Turb. (ppm)	Trans. (cm)	SS (mg/Ջ)	Cu (mg/R)	Zn (mg/Ջ)	As (mg/2)	$C_{\rm a}^{\rm Ca}$	Mg (mg/2)	CN (mg/¢)	SO₄ (mg/Ջ)	
ļ .	Dec. 5	A12051*	7.15	23.0	8.8 8	210	7.1	22.0	30.04	en.	<0.020	<0.010	0.0051	28	5.5	1 -	22	
÷	2.	A12142	36.00	26.6	80 80	220	65	13.0	30.0+	4	<0.020	<010:0>	0.0027	25	5.6	I ;	22	
•••	Feb. 5	A02052	6.70	27.7	8.5	260	6.3	5.0	30.0+	م	<0.010	<0.020	0.0021	37	6.2	10.0>	28	
ć	Feb. 15	A02152	23.06	27.0	0.6	230	6.5	5.0	30.0+	80	<0.010	<0:020	0.0026	38	6.0	<0.01	26	
	Feb. 26	A02262	2.81	27.1	8.1	230	6.8	4.0	30.04	Ś	<0.010	<0.020	0.0036	24	5.8	<0.01	24	
•	Mar. 5	A03052	2.66	27.4	8.9	200	7.6	0.0	30.0+	4	<0.010	<0.020	0.0026	29	5.8	<0.01	24	
	Mar. 15	A03152	37.60	31.5	0.6	220	6.6	8.0	30.0+	ŝ	<0.010	<0.020	0.0023	23	5.7	<0.01	28	
. :	Apr. 16	A04162	26.62	31.9	0.6	220	7.0	2.0	30.0+	5	< 0.010	0.010	0.0032	25	5.9	<0.01	30	
	Apr. 26	A04262	41.09	31.5	0.6	210	6.7	3.0	30.0+	ŝ	0.005	0.010	0.0034	26	5.6	<0.01	28	
•••	May 6	A05062	8.56	30.8	88	230	7.3	3.5	30.04	ŝ	<0.005	0.010	0.0027	27	5.5	0.01**	30	
	May 16	A05162	12.15	30.0	8.8	240	7.3	3.5	30.0+	61	<0.005	0.007	0.0033	26	6.0	<0.01	32	
•	May 26	A05262	33.68	32.3	80	230	6.8	4.5	30.04	17	<0.005	<0.005	0.0031	32	6.0	<0.01	29	
	June 5	A06052	59.61	31.8	8.8	240	7.2	5.3	30.04	ò	<0.005	<0.005	0.0028	28	5.8	<0.01	30	
	June 15	A06152	37.85	31.7	8.9	230	7.2	4.8	30.04	4	<0.005	<0.005	0.0036	28	6.6	<0.01	30	
•	June 25	A06252	42.13	28.7	84	200	7.5	3.5	30.04	9	<0.005	0.060**	0.0033	26	5.6	<0.01	29	
	July 5	A07052	44.10	28.5	8.7	240.	7.1	3.5	30.0+	m.	<0.005	<0.005	0.0035	29	5.7	<0.01	32	
	July 15	A07152	43.87	31.1	8.7	230	11	2.5	30.0+	4	<0.005	<0.005	0.0032	90	6.3	<0.01	28	
	July 26	A07262	43.29	30.6	8.9	230	7.1	3.5	30.0+	6	<0.005	<0.005	0.0033	28	6.0	<0.01	30	
	Aug. 5		64.34	29.1	8.9	220	1.1	2.0	30.0+		<0.005	<0.005	0.0028	28	6.0	<0.01	24	
	Aug. 14	A08142	53.64	25.6	8.9	230	1.3	4.5	30.0+	'n	<0.005	<0.005	0.0011	27	5.2	<0.01	21	
	Aug. 24	A08242	82.95	28.6	8.7	220:	6.4	6.0	30.0+	4	<0.005	0.005	0.0021	29	5.5	<0.01	22	
	Sept. 3		65.74	27.6	7.6	180	6.1	160.0	2.5	120	<0.005	<0.005	0.0010	19	4.5	<0.01	ю,	
	Sept. 13		67.13	30.5	8.5	160	7.0	42:0	16.0	17	<0.005	<0.005	0.0009	20	5.0	<0.01	17	
	Sept. 23	A9232	81.91	30.1	0.0	170	1.0	14.5	30.0+	ы	<0.005	0.007	0.0010	25	4 0,7	<0.01	16	
	Oct. 3	A10032	49.60	28.5	9.2	180	6.9	12.5	30.0	12	<0.005	0.010	<0.0005	25	4.6 6	<0,01	18	
	Oct. 13	A10132	69.54	27.6	0.6	160	7.4	5.5	30.0+	\$	<0.005	0.005	0.0011	26	4.7	<0.01	20	
	Oct. 24	A10242	18.10	24.7	8.9	180	7.4	5.5	30.0+	÷ ص	<0.005	<0.005	0.0010	53	5.0	<0.01	20	
	Nov. 2	A11022	87.82	25.8	9.0	190	7.3	4,0	30.04	2	<0.005	<0.005	0.0011	22	5.0	¥0.01	19	
	Nov. 11	A11112	30.27	27.7	5.5	170	1.3	4.0	30.0+	ŝ	<0.005	<0.005	0.0024	19	5.4	<0.01	17	
	Nov. 21	A11212	31.93	27.5	9.5	170	7.3	2.5	30.0+	66	<0.005	<0.005	0.0019	22	5.2	€0.01	24	
1		W : TW	Water Temperature	rature														
		Щ *	Filtered by No. 3	Io. 3 filter	er													
		¥ : **	Abnormal Valve	ulve			:	. *	• •	• •								
			Mr. Joka	•														

No data

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Table B-2 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "B"

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ļ	Date	Sample No.	F.low Rate (m ³ /s)	TW SO	Ηd	EC (µS/cm)	DO (mg/2)	Turb. (ppm)	Trans. (cm)	SS (mg/2)	Cu (mg/2)	Zn (mg/2)	As (mg/g)	Ca (mg/g)	Mg (mg/R)	CN (mg/g)	SO4 (mg/k)
Ц)ec. 5	B12051*	2.69	25.0	8.3	1300	6.1	370	3.0	250	0.080	<0.01	0.0244	212	2		
Ы	Dec. 14	B12142	2.91	24.8	8.3	1400	1.7	170	5	180	0.020			017 000		I	510
<u>ب</u> تر	Feb 5	B02052	1.50	26.7	8.0	1600	1.7	420	00	010					0.77	1 0	200
بىلىز	^r eb. 15	B02152	1.84	27.0	8.2	1500	10	300) (1 (007.0		0,10,0	277	24.5	0.34	741
ţĽą	Feb. 26	B02262	1 52	26.8	14	1700	10		24		0.400	20.02	0.380	290	24.5	0.52	747
A	Mar. 5	B02052	131	1.00	- -	0021	2 r - r		, i 2 c	010	1.000	<0.02	0.0405	320	24.0	2.60	760
2	far 15	R03152	121			0001		074	200	180	·	1	ı	۱. ۲	Ī	1	N.D.
. ◄	mr 16		1 1 5		700	0001	00	000	0.7	450	0.220	<0.02	0.0380	191	24.4	0.13	841
	07 . MV	201400	011	77.77	n e	00/1	77	230	2.5	260	0.200	0.010	0.0620	320	25.2	0.24	809
4	07 TO	207409	1-28	2115	20	1600	7-6	1100	1.5	970	0.200	0.010	0.0450	354	28.0	0.20	857
	o Vel	20000	1.52	28.4	~-! 20	1500	77	330	2.0	630	0.300	0.015	0.0358	312	24.0	0.74	142
27	43V 10	BU5 162	2.02	30.0	23 85 85	1300	61	230	2.5	370	0.412	0.000	0.0250	188	20		553
2	1ay 26	B05262	1.89	30.0	6 8 8	1300	69	850	1.5	1100	0.660	<0.005	0.0122	226	000		
'n	une 5	B06052	1.57	31.0	8.3 0.3	1300	67	340	2.0	1300	0100	2000//	0.0212	200			
•	une 15	B06152	1.53	29.4	8.0	1300	7.1	420	2.0	400	0.039	0000	0.0252	1040			
ĥ	une 25	B05252	3.83	27.0	2.6	930	7.2	950	- - - - - -	008	0.271	0.000	10100	5.7	0.04		2/0
ž	uly 5	B07052	5.87	26.7	8.3	016	55	010	2	0.00		770.0		+ 0 +	20	0.59	416 0
×5	uly 15	B07152	5.29	27.7	6	940	3 6		2 V 4 C	0.020	777.0	0000	7110-0	147	2.01	0.27	404
ſ	uly 26	B07262	3.80	29.3	0	1000	, t 5 -		20	007	077.0	0.00	0.0088	146	19.6	0.14	423
A	ue. S	B08052	5	4.60	R	1100			0 0 1 0	200	0010	100.0	0.0300	184	5-LZ	0.18	534
, ⊲	110 14	R08112	4 D Y			0011	- t - t	0000	0.0 0	2002	0.065	0.006	0.0205	208	20.8	0.07	551
	10.0	21100g			ţ.ţ			+0007	0.0	2300	0.420	< 0.005	0.0330	184	18.0	1.10	470
40	19.1	7470000		1.07	-	/40	7.1	260	2.5	460	0.175	0.012	0.0000	121	17.4	0.41	327
0,0	c br o	20000	1.0.0	7.67	4	650	7.4	1200	0.5	2000	0.078	0.007	0.0040	100	21.5	0.12	210
<u> </u>	ept. 13	251608	11.45	28.6	8.1	830	6.9	340	1.5	510	0.125	0.007	0.0060	124	18.5	0.25	360
2	ept 23	809232	10.15	29.7	~	890	6.7	230	2.5	350	0.350	0.024	0.0058	176	18.4	0.72	
0	lot. 3	B10032	8:38	27.0	8.1	930	6.7	350	2.0	420	0.220	0.075	0.0152		• • •		101
0	Net. 13	B10132	3.73	26.8	8,0	70	4 5	Coc		002				001	0.01	0.40	70t
0	Net: 24	B10242	6.03	25.6	8.0	0001		200	10			110.0	020000	1	4.01	10.0	489
Z	Tov. 3	B11032	10.60	25.4	68	760	v t) () (10000	0.000	104	ייס	0.17	489
Z	ov. 1.1	B11112	6.53	25.4	¢.	0.0	4		10					077	10.0	22.0	CC7 1
Z	Nov. 21	B11212	4.99	26.2	8	1100	7.5	330	2.5	330	0.068	0000	0.070	124	7.61	81°0	408
			ť										0.400	to 1	7.24	000	404
			water lemperature	Tature		-											

Water lemperature Filtered by No. 3 filter No data

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Table B-3 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "C"

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SOA (mg/k)	400	500	636	856	812	626	738	865	750	471	101	499	606.	286	211	242	266	368	204	187	149	183	386	276	170	400	154	141	334				
CN (mg/2)	1	<0.01	10.0>	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	10:0>	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	10.0>	<0.0>	<0.01	<0.01	10.0>	<0.01	<0.01				
Mg (mg/2)	6.7	2 0 C	8 2	0.8	8.6	8 4	10.5	10.5	9.5	9.3	8.8	6.9	10.6	9.2	6.7	6.0	6.4	2.6	6.0	8.0	11.4	14.2	12.4	8.8	4.4	4.8	4.8	44	5.0				
Ca (mg/R)	207	224	226	340	342	193	296	404	322	176	279	220	250	112	92	100	110	134	<u>9</u> 6	80	52	64	176	132	88	152	68	60	152				
As (mg/£)	0.0012	0,0005	0.0005	0,0007	0.0011	0.0005	0.0005	0.0007	<0.0005	<0.0005	<0.0005	<0.0005	0.0010	<0.0005	<0.0005	0.0006	<0.0005	0.0005	<0.0005	<0.0005	<0.0005	0.0005	<0.0005	0.0005	0.0013	0.0006	0,0006	<0.0005	0.0007				
Zn (mg/2)	<0.01	<0.02	<0.02	<0.02	<0.02	<0.02	<0.01	0.01	0.010	0.010	0:010	<0.005	<0.005	0.011	0.005	<0.005	<0.005	<0.005	0.008	<0.005	0.011	<0.005	0.0055	<0.005	0.006	<0.005	<0.005	<0.005	<0.005		·		
Cu (mg/2)	<0.02	<0.01	0.01	0.01	0.02	0.02	<0.01	0.014	0.010	<0.005	0:007	0.007	0.009	0,060**	0.005	<0.005	<0.005	<0:005	<0.005	<0.005	0.006	0.007	<0.005	<0.005	0.005	<0.005	0.007	<0.005	<0.005				
 SS (mg/g)	1300	13000	7000	12000	21000	5100	3900	37000	4300	5700	25000	15000	22000	7200	4900	6400	8800	23000	5400	5800	1200	2800	13000	6300	4300	22000	4900	3200	4900				•
Trans. (cm)	0.0	0.0	0.0	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0'0	0.0	0.0	0.0				
Turb. (ppm)	500 1 5004	2000+	2000+	2000+	2000+	1200	2000+	2000+	2000+	2000+	2000+	2000+	2000+	2000+	1500	2000+	2000+	2000F	2000+	2000+	680	1900	2000+	2000+	2000+	2000+	2000+	2000+	2000+				
DO (mg/2)	7.8 8.1	8.2	6.7	7.4	6.8	7.T.	7.8	1.7	7.6	1.1	7.2	7.3	1.3	7.9	8.1	1.1	1.1	1.1	7.8	1.7	7.5	7.2	7.5	7.2	7.5	7.9	6.7	8.1	7.9				
EC (uS/cm)	860 850	1200	1100	1500	1800	1200	1300	1200	1500	930	1300	910	1100	670	520	600	660	740	620	570	410	480	820	650	450	680	430	420	770				
Hq	8 5 8 4	4.00	9.3	7.7	8.6	8.5	8.2	8.3	8.1	8.1	8.4	8.6	2 8	1.0	7.5	5	8.2	8.2	8	6.1	6.1	7.5	7.8	8.0	8.4	8.9	8.4	8.5	8.7		ч		
Т°С)	20.0 23.3	23.7	26.1	27.4	27.2	30.3	28.2	28.9	27.1	28.7	2.4	30.1	26.8	23.5	24.1	25.2	25.8	23.7	21.0	25.5	25.3	26.8	27.4	26.3	27.3	21.4	22.0	21.7	21.1	ture	. 3 Filte		
Flow Rate (m ³ /s)	1.14	0.69	0.93	0.66	0.71	0.14	0.36	0.46	0.65	0.75	0.89	0.74	0.87	4.75	4.43	4.09	3.57	2.85	4.31	7.82	13.36	5.30	4.53	3.45	2.82	3.23	6.19	3.22	2.94	Water Temperature	Filtered by No. 3 Filter	Abnormal value	No Data
Sample No.	C12061* C12122	C02082	C02182	C02272	C03062	C03162	C04172	C04272	C05052	C05152	CU5 25 2	C06042	C06142	C06242	C07042	C07142	C07252	C08032	C08122	C08232	C09042	C09122	C09222	C10022	C10122	C10232	CI1012	C11102	C11202	WT : Wat	* : Fut	••	₽ No No
Date	Dec. 6 Dec. 12	Feb. 8	Feb. 18	Feb. 27	Mar. 6	Mar. 16	Apr. 17	Apr. 27	May 5	May 15	May 25	June 4	June 14	June 24	July 4	July 14	July 25	Aug. 3	Aug. 12	Aug. 23	Sept. 4	Sept. 12	Sept. 22	Oct. 2	Oct. 12	Oct. 23	Nov. I	Nov. 10	Nov. 20				

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Table B-4 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "D"

SO4 (mg/ℓ) 385 464 638 63 5285 1288 1 CN (mg/Q) 0.0 Mg (mg/l) 6.5 8.3 8.3 2.80 Ca (mg/g) As (mg/2) Zn (mg/g) (mg/g) SS (mg/R) Trans. (cm) 1500 0.00 100000000 Turb. (ppm) 500+ 500+ 500+ 500+ 500+ 500+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 5000+ 500 DO (mg/k) 8.4 7.5 1.7 EC (μS/cm) Ηd Water Temperature Filtered by No. 3 filter 25.6 26.6 29.6 27.4 26.9 26.3 ₽ð 2422 26.8 28 Flow Rate (m³/s) 0.63 0.58 0.68 69 0.48 99 0.40 6 6 5 Sample No. D04272 D10022 D10122 D11092 D11202 02272 03162 05152 05252 08222 09052 D1203 12132 02170 003062 0417 06142 06242 0104 007143 09122 0804 0.813 0922 D1101 D1022 0207 ž June 24 July 4 July 14 July 25 Aug. 13 Aug. 13 Aug. 13 Sept. 5 Sept. 22 Sept. 22 Oct. 12 Oct. 22 Nov. 1 Nov. 9 Nov. 20 Dec. 3 Dec. 13 Feb. 27 May 15 May 25 June 4 June 14 Mar 16 Oct 2 Date vfar. 6 Apr. 17 Apr. 27 May 5 eb. 1 Feb. 7

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Abnormal data

No data

Fixed Point	Sampling Date	Cu (mg/Q)	Zn (mg/१)	As (mg/१)	Ca (mg/l)	Mg (mg/୧)	CN (mg/ዩ)	SO4 (mg/l)	Filter Name
	D 14	(<0.02	< 0.01	0.0029	25	5.5	_	20	No. 3
	Dec. 14	¹ <0.02	< 0.01	0.0027	25	5.6	<u>-</u>	22	GS25
		(<0.01	< 0.02	0.0023	37	6.1	< 0.01	27	No. 3
	Feb. 5	(<0.01	< 0.02	0.0021	37	6.2	< 0.01	28	GS25
		(<0.01*	< 0.02*	0.0023	38	6.0	< 0.01	23	No. 3
	Feb. 15	< 0.01*	< 0.02*	0.0026	39	6.0	< 0.01	26	GS25
	i .	0.005	< 0.005	0.0024	28	6.0	< 0.01	22	No. 3
. A	Aug. 5	1<0.005	< 0.005	0.0028	28	6.0	< 0.01	24	GS25
		(<0.005	< 0.005	0.0009	27	5.8	< 0.01	22	No. 3
	Aug. 14	<0.005	< 0.005	0.0011	27	5.2	< 0.01	-21	G\$25
		(<0.005	< 0.005	0.0028	29	5.4	< 0.01	20	No. 3
	Aug. 24	<0.005	0.005	0.0021	29	5.4	< 0.01	22	GS25
		(0.07	< 0.003	over	216	19.2		591	No. 3
	Dec. 14	0.07	< 0.01	over	300	22.2	_	566	GS25
			0.02	0.022	230	24.5	0.36	757	No. 3
	Feb. 5	0.29	0.02	0.022	230	24.5	0.36	741	GS25
	:							761	No. 3
	Feb. 15	0.40	0.03*	0.038	295	24.5 24.5	0.56 0.52	747	GS25
		0.45	0.03*	0.038	290				
В	Feb. 26	1.2	< 0.02	0.047	320	24.0	2.4	828	No. 3
		1 1.7	< 0.02	0.040	320	24.0	2.6	760	GS25
	Aug. 5	0.060	0.008	0.0295	208	21.8	0.07	544	No. 3
		0.065	0.006	0.0205	208	20.8	0.07	551	GS25
	Aug. 14	į 0.400	< 0.005	0.0034	180	18.0	1.1	471	No.
		1 0.420	< 0.005	0.0033	184	18.0	1.1	470	GS25
	Aug. 24	{ 0.200	0.016	0.0094	121	17.4	0.42	318	No.
		0.175	0.012	0.0090	121	17.4	0.41	327	GS25
	Dec. 12	j 0.03	< 0.01	0.0005	167	6.0	-	364	No. 3
	D00.12	0.02 ا	< 0.01	0.0008	168	6.6	-	368	GS2
	Feb. 8	∫ 0.02	< 0.02	0.0008	222	8.1	< 0.01	637	No.
	100. 0	0.01 ا	< 0.02	0.0005	224	7.8	< 0.01	642	GS25
	Feb. 18	∫ 0.02*	0.02*	0.0005	228	8.3	< 0.01	634	No. :
	100.10	ù 0.01*	< 0.02*	0.0005	226	8.2	< 0.01	636	GS2
C	Feb. 27	(0.02	< 0.02	0.0008	340	8.0	0.01	860	No. 1
	Pe0. 27	.) 0.01	< 0.02	0.0007	340	8.0	0.01	856	GS2:
	A	(< 0.005	0.007	< 0.0005	132	7.4	< 0.01	364	No.
	Aug. 3	< 0.005	< 0.005	< 0.0005	134	7.6	< 0.01	368	GS2
	A	(<0.005	0.006	< 0.0005	110	7.0	< 0.01	239	No. 1
	Aug. 12	໌<0.005	0.008	< 0.0005	96	6.0	< 0.01	204	GS2:
	· · · · · · · ·	(0.008	< 0.005	< 0.0005	84	8.0	< 0.01	196	No.
	Aug. 23	(<0.005	< 0.005	< 0.0005	80	8.0	< 0.01	187	GS2
		∫ < 0.02	< 0.01	0.0010	199	7.4	_	470	No.
	Dec. 13	<0.02	< 0.01	0.0005	203	7.6	· _ ·	464	GS2
		0.01*	< 0.02*	0.0009	232	8.4	< 0.01	688	No.
	Feb. 7	< 0.01*	< 0.02*	0.0011	224	8.3	< 0.01	638	GS2
		(<0.01	< 0.02	0.0010	240	8.2	< 0.01	626	No.
	Feb. 17	< 0.01	< 0.02	0.0010	228	8.0	< 0.01	663	GS2
		(< 0.01)	< 0.02	0.0010	260	7.6	0.01	662	No.
D	Feb. 27	< 0.01	< 0.02	0.0010	260	7.6	0.01	664	GS2
	-								No.
	Aug. 4	0.008	< 0.005	0.0008	103	5.1	< 0.01	272	
		<0.005	< 0.005	0.0008	120	5.2	< 0.01	270	GS2
	Aug. 13	∫<0.005	< 0.005	0.0008	112	4.6	< 0.01	247	· No.
1		l < 0.005	< 0.005	0.0005	112	4.6	< 0.01	256	GS2
	Aug. 22	. f. 0.005	< 0.005	< 0.0005	46	2.8	< 0.01	88	No.
	Aug. 44	1<0.005	< 0.005	< 0.0005	46	2.4	< 0.01	87	GS2

COMPARISON OF CHEMICAL ANALYSES OF THE FILTRATES Table B-5 BY GS25 AND NO.3 (A~D POINTS)

* Unless marked, Cu and Zn were analyzed from samples condensed to 1/10 by means of solvent extraction in February. Marked samples were condensed to 1/10 by means of evaporation
 No.3 : Filtrate through No.3 filter paper (5µ)
 GS25 : Filtrate through GS25 filter paper (0.6µ)

101

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Table B-6 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR DECEMBER, 1983

102

	. wol-1	i low rate (m ³ /s)			Water 1	11	ure (°C)			Ha			D _H	EC (µS/cm)			8	DO (mµ/9)			Turbidi	Turbidity (ppm)		-	Transparency (cm)	sucy (cn	2
Date		Time		*] 		Time			-	Time			,	Time			-	Time			Ë	Time			Time	10 	
80 	8:00 11:00	00 13:00	16:00		8:00 11	11:00 13:0	00 16 00	00 8:00	11:00	0.13:00	0 16:00	00:8 0	0 11:00	0 13:00	0 16:00	00 8:00	00 11 00	0 13:00	16:00	8:00	11:00	13:00	16:00	8:00	11:00	13:00	16:00
				.	1	1.		1	ł			1	ł	Ĩ	į	∤ •.	Γ.	I	Ъ.	1	1	t	1	?	:	÷	
2 13.	13.64 10.56	56 9.94	1. 20.46	6 22.6		24.5 27.0	0 25.3	8.2	8.2	8.1	3.1	480	500	520	560	0 . 7.8	7.8	7.2	7,4	+	+	+	+	0.1	1.S	1.5	1,0
3 17.	17.85 13.70	70 20.55	5 16.20	0 22.8	:	24.3 25.	3 25.3	: 83	8.3	8.2	8.1	420	390	1 420	630	0 7.8	1,7	9.7	8.2	t	500	+	+	1.5	<u>5.</u> 1	1.5	1.0
4 20	20.07 12.62	52 9.97		2 22.9		24.9 27.0	0 26.4	8.2	8.3	8.3	8.2	440	400	410	1 420	0 8.3	8.1	7.4	6.9	+	ŧ	+	+	. S'I	1.5	1.5	1.0
5 23	23.70 14:65	55 13.66	5 14.29	9 23.0		24.8 26	5 26.3	8.3	8.2	8.2	8.1	530	480	9 410	0 450	0 7.8	8.4	7.5	6.8	+	435	÷	+	1.5	2.5	÷1.5	1.5
6 21.	21.67 13.40	19.97	14.03	3 22.6	:	24.8. 25.8	8 26.5	8.3	8	8.2	8.2	510	1 730	540	520	0. 7.1	8.2	8.3	7.0	325	390	+	+	1.5	2.5	1.0	2.0
7 15.	15.23 15.36	36 14.01	1 18.32	2 23.7		25,3 26,8	8 26.1	8.2	8.3	C7 80	.8.1	320	320) 330	400	0 8.1	8.0	7.2	7.1	245	405	325	÷	5.0	2:5	2.5	2.5
8 28.	28.06 17.33	33 11.16	9.43	3 24.7		25.9 27.	7 27.6	8.2	8.2	8.0	1.8	700	400	914 0	500	0.8.0	8.2	7.2	7.1	ţ	t	+	+	1.5	1.5	1.5	0.1
9. 17.	17,46 13,99	99, 10,42	2 16.36	6 23.8		25.9 28.3	2 27.8	8.2	8.1	8.2	8.2	350	- 400	390	0 440	0 8.2	8.2	7.3	6.9	+	420	390	+	1.5	2.5	1.5	2.5
10 21	21.83 13.08	08. 10.31	8.86	6 23.4		25.6 27.2	2 27.8	18.2	1.1	8.2	8.3	430:	320	380	410	0.8.5	7.4	7.3	7.2	+	220	220.	405	1.5	2.5	2.5	~
1 21.	21.76 13.01	10.94	1 10.04			25.3 26.6	6 26.9	. 8.1	8.0	8.1	6.7	390	390	400	410	0.7.2	7.4	1.2	7.1	+	420	375	÷	1.5	5,1	2.0	- 1
12 18.	18.68 13.10	10 29.19					9 26.8	1.8	0"8	7.9	6.7 . 1	470	022 0	400	380	0 .7.6	7.3	7.2	7.1	500	290	+	000	2.0 -	3.0	10	2
13 31.	31.87 18.42	ି । ମୁ				25.6 27.4	4 26.0	9.0	7.8	8.0	7.7	350	9 330	380	914	0 7.7	7.5	7.3	£.7	500	270	350	460	2.0	3.5	2.5	2.0
	61 19.01	01 14.51	1 10.46			25.3 26.9	9 27.3	7.9	9.7	7.6	7.6	320	330	055 (904	0 7.9	7.7	7.4	7.8	175	300	340	460	5.0	3,5	3.0	2.5
15 21.	21.23 14.45	45° 11.75	5 9.11	1 23.0		3 27.5	5 28:0	6.7 (8.0	2.9	. 8.1	340	9. 400	390	9 410	0 7.8	1.7	7.2	7.7	+	+	÷	t	1.0	0,1	2.0	2.0
	04 12.63	53 10,15	5 15.29			26.3 28.	3 28.4	6.7. 4	8.0	8.0	7.7	720	0 520	0 490	570	0 7.2	7.4	7.2	7.0	+	+	+	+	2.5	2.5	20	1.0
17 7.	7.36 12.44	44 10.82	2 18.43	3 23.5			1 27.1	1.9	. 20	7.6	8.2	620	730) 6i0) 490	0 7.6	7.8	7.4	7.5	+	+	+	ŧ	1.0	0.5	1:0	0.5
18 18	18.11 11.82	82 23.41	1 17.49	9. 23.4		25.6 27.	7 26.3	8.2	8.0	8.0	6.0	630	420	0 410	400	0 7.8	7.6	1.1	7.5	+	.+	+	+	0.1.	1.5	2,1	22
19.115.	15.80 14.48	48 10:40	0 13.61			25.3 27.8	8 27.6	8.1	7.9	8.1	1.6	630	065 (. 490	1. 490	0 7.4	4.7.4	7.2	7:3 -	+	+	÷	+	1.5	1.0	1.0	1.6
20 15.	15.25 15.09	09 15.65	ا خر	24.2		26.1 28.0	0 26.8	8 7.9.	8.1	8.2	8.1	500	490	3 480	520	0 7.5	7.3	7.1	6.9	+	+	+	+	0.5	1.0	01	0
21 17.	17.20 15.82	82 14,41	1 14.66	6 24.0		26.3 28.	3 27:3	8.0	8.2	8.2	8.2	400	410	0 420	500	0 7.5	7.3	1.1	7.1	÷	÷	+	÷	10	1.0	1.0	0.5
22 12	12.83 17.06	06 12:81	1 9:56	6 24.9		26.9 28	7 29.5	5 8.2	8.2	8.3	7.2	490	9 490	0 500) 650	0 7.6	7.2	7.2	6.9	+	+	+	+	1,0	1.0	0.1	-
23 15.	15:56 14.65	55 10.36	5 17:38	8 24.6		26.7 28.	7 27.9	1.1	8	8.3	8.3	520	520	9 480) 490	0 7.8	1.6	7.3	7.3	+	+	+	+	0.1	1.5	2.0	1.6
24 14.	14.52 11.23	23 9.04	4 12.76	6 24.5		27.0 28.1	8 29.3	8.2	8.3	7.9	8.4	510	500	067 0	500	0 7.8	1.9	7.2	7.6	+	+	+	÷	1.5	2.1	1.5	Υ
	15.48 18.75	75 21.56	\$ 15.74			25.3 26.	1 26.6	5 7.9	7.8	8.0	8.1	370	9 410	380	0 450	0 7.4	6.7	7.7	7.5	+	+	÷	+	2.5	2.0	2.5	5 .1
	18.45	- 10.94	4 9.67				4 26.7	3.6	8.5	8.4	8.5	660	0 530	0 440	0 410	0 7.5	7.6	7.1	7.3	+	+.	+	+	1.0	0.1	2.0	22
27.	1	1	1		. 1	F F		: I :	1	I	-1 -	ı	}	:	- 1	•	ı	1	t	1	I	I	ł	.:			
28 27	27.22 (7.77	77 13.01	l 12.45	5 24.0		25.6 27.	7 27.7	3.6	8.3	8.4	1 . 8,2	400	0. 330	0 440	90	0 7.6	7.6	7.2	7.0	+	405	450	÷	2.0	2.0	2.0	2.0
	29.10 17.29	29 14,19	9 8.78	8 24.1		26.0 27.4	6 28.0	0 8.3	8.5	8.2	8.5	609	0 410	0 420	9440	0 8.1	7.5	7.6	6.9	+	460	435	÷	5.1	2.5	2.5	1.5
	16.58 12.41	11.01 14	1 8.59	9 23.7		25.5 27	4 27.7	7 8.5	7.9	7.4	1.5	590	0 520	0 510	520	0 7.5	7.6	. 1.3	7.5	+	+	÷	+	1.0	0.5	0.5	9.5
	ì																										

- : No data

+ : 500 ppm over

Table B-7 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR JANUARY, 1984

103

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B-8 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR FEBRUARY, 1984	
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o	
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DAILY	
Táble B-8	

9-00 1100 Tane Time Time <t< th=""><th></th><th></th><th></th><th>(el 111)</th><th></th><th></th><th>101 101</th><th>Ξ1</th><th></th><th></th><th></th><th>ЪН</th><th></th><th></th><th>EC (</th><th>EC (uS/cm)</th><th></th><th></th><th>õ</th><th>DO (mg/g)</th><th></th><th>Ē</th><th>Turbidity (ppm)</th><th>(maa</th><th></th><th>E F</th><th>STREFFIC</th><th>(m.)</th></t<>				(el 111)			101 101	Ξ1				ЪН			EC (EC (uS/cm)			õ	DO (mg/g)		Ē	Turbidity (ppm)	(maa		E F	STREFFIC	(m.)
0 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 11:00 13:00 17:00 9:00 10:0 <th< th=""><th>0310</th><th></th><th>と日</th><th>g</th><th></th><th></th><th></th><th>Time</th><th></th><th></th><th></th><th>Time</th><th></th><th></th><th>F</th><th>tme</th><th></th><th></th><th>Ē</th><th>1</th><th>-</th><th></th><th>Line</th><th></th><th> </th><th></th><th>the second</th><th>1</th></th<>	0310		と日	g				Time				Time			F	tme			Ē	1	-		Line				the second	1
77.4 6.0 7.1 5.0 7.0 7.0 7.00		9:00	· 1	13:00	17:00	9:00		13:0					1	6:00	<u>ا</u>			0.9	Ē	12:00	00-21	i	1				ΕL	
36.9** 8.10** 7.3 7.4	-	31.82**	. •	22.16	17.56**	* 23.9***		27.8	27.4**	1	1.1	8.9	1.9**	350**			1	**0	E		2011	4.	1			_	1	
3500 72 73 74	7	17.86***	20.57	24.82	13.52**	23 2**			26.9**			1.6	7 8**	580.00		400	44044		4 (- 1	2	7.1	007	005	360				
288 7.8 7.8 7.3 <td>m</td> <td>16.42**</td> <td>10.76</td> <td>9.56</td> <td>13.18**</td> <td>. 23.8**</td> <td></td> <td></td> <td>29.0**</td> <td></td> <td>. a</td> <td>. 7 5</td> <td>*** 0</td> <td>500 84</td> <td></td> <td></td> <td>00%</td> <td>1</td> <td>; ; ;</td> <td>4</td> <td>5.1</td> <td>+</td> <td>÷</td> <td>ŧ</td> <td></td> <td></td> <td>-</td> <td>1.5**</td>	m	16.42**	10.76	9.56	13.18**	. 23.8**			29.0**		. a	. 7 5	*** 0	500 8 4			00%	1	; ; ;	4	5.1	+	÷	ŧ			-	1.5**
237 7.4 7.6 7.4 5.9 7.4 7.6 7.4 7.6 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 7.4 4.4	4	12,13**	13.31	8.92	14.15**	23.6**			78 8**			2 · 0	4 - C	11012	-		0.60	9	1.	7.3	7.2	390**	405	÷			_	0.5
257 16 7.6 7.3 <th7.4< th=""> <th7.4< th=""> <th7.3< th=""></th7.3<></th7.4<></th7.4<>		15.64	17 02									9				570	280	1.7 **	6.9	7.0	••6'9	* +	÷	+	-	_	0.0	. 0.5
30.2 7.3 81. 84. 8.0 4.00 4.70 7.7 7.1 6.8 + + 4.35 + 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.3 7.3 7.1 7.1 7.5 7.3 7.1 7.3 7.4 4.35 4.10 2.5 2.5 25.6 7.1 7.3 7.4 7.3 7.1 7.0 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.1 7.2 7.1 7.2 7.1 7.2 7.1 7.2 7.1 7.2	, i	31.14					3		. 67	4.1	9	7.3	7.3	470	410	460	490	7.4	6.9	7.2	5.8	ŧ	ŧ	+	+		_	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		C. 12	01.01	2011	4 1.2	25.6	2.6		30.2	7.5	8.1	1. S	8.2	460	430	440	470	7.7	7.2	7.1	6.8	ŧ	. +	225				
264 7.5 7.6 7.3 7.4 560 420 490 666 7.7 7.9 7.2 + + + 1.0 2.5 27.6 8.9 8.6 8.7 7.0 7.3 7.1 7.7 + + + 1.0 2.5 27.6 8.9 8.6 8.0 460 7.0 7.3 + + + + 1.0 0.5 27.3 8.0 8.0 8.0 530 530 6.5 6.1 5.3 6.2 + + + + 1.1 1.0 0.5 27.3 8.0 8.1 8.1 8.1 8.1 8.1 8.1 8.1 8.1 1.0 1.0 1.0 1.0 1.0 1.1 1.1 1.1 1.1 1.1 1.5 1.0 1.2 1.1 <td></td> <td>9,46</td> <td>13.97</td> <td>22.81</td> <td>٩.</td> <td>25.4</td> <td>27.1</td> <td></td> <td>27.4</td> <td>5.7.5</td> <td>7.2</td> <td>7.3</td> <td>7.3</td> <td>430</td> <td>420</td> <td>420</td> <td>380</td> <td>9.7</td> <td>7.3</td> <td>7.5</td> <td>7.4</td> <td>160</td> <td>740</td> <td>200</td> <td>- · · ·</td> <td></td> <td>vi (</td> <td>23</td>		9,46	13.97	22.81	٩.	25.4	27.1		27.4	5.7.5	7.2	7.3	7.3	430	420	420	380	9.7	7.3	7.5	7.4	160	740	200	- · · ·		vi (23
25.9 7.1 7.9 7.8 470 450 530 73 7.1 7.0 4 4 470 </td <td>, oc</td> <td>16.29</td> <td>13.15</td> <td>9.87</td> <td>46.21</td> <td>23.6</td> <td>25.8</td> <td>÷.,</td> <td>26.4</td> <td>7.5</td> <td>7.6</td> <td>5.1</td> <td>7.4</td> <td>560</td> <td>420</td> <td>490</td> <td>460</td> <td>6.6</td> <td>56</td> <td>0 4</td> <td>5 2 3</td> <td>2 -</td> <td></td> <td></td> <td>ч.</td> <td></td> <td></td> <td>-</td>	, oc	16.29	13.15	9.87	46.21	23.6	25.8	÷.,	26.4	7.5	7.6	5.1	7.4	560	420	490	460	6.6	56	0 4	5 2 3	2 -			ч.			-
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	<u>ь</u>	17.61	13.29	10.18	14.77	23.5	24.6		26.9	7.1	1.9	7,8	8,4	470	490	200	460		C a	10.2	4 C	• •		3	 + .			1.0
27.3 8.4 8.1 8.1 5.7 5.0 5.0 5.1	10	21.08	14 83	11.47	13.54	23.8	26.9	14	27.6	8.9	8.5	8.5	8.5	480	460	480	025	a L) r) r	2 7	9 C	+ •	F -	00		2	10	~
29.2 8.6 8.0 8.1 8.1 510 540 520 550 5.7 5.8 5.2 + + + + + + 1 10 10 13 27.2 8.0 8.1 8.0 8.1 530 440 470 520 550 6.5 6.1 6.0 + + + + + + 1.15 1.15 27.7 8.0 8.1 8.0 8.1 530 450 450 550 6.5 6.1 6.1 6.0 + + + + 1.15	:	19.03	15.57	10.86	14.56	24.2	26.7		27.3	8.4	8.4	8.1	8.8	570	550	\$20	025	2.4	5 . K	3		F +	+ •	+ -		5		0.5
27.3 8.0 8.4 8.0 8.1 530 440 470 200 6.5 6.1	12	15.43	12.73	9.68	7.97	24.3	26.6		29.2	8.6	8.0	8.1	8	510	240	500		1 'r 2 4	5	5		. .	500	004	-	0	5	0.
27.2 8.0 8.1 8.0 8.4 400 970 450 55 6.0 6.5 59 480 700 110 12 22 27.5 8.5 7.4 7.7 7.6 430 450 450 6.6 6.6 6.5 6.5 6.5 6.5 6.5 6.5 5.5 6.6 5.5 6.1 6.0 5.5 6.1 6.0 5.5 6.1 6.0 5.5 6.1 6.0 5.5 6.1 6.0 5.5 6.1 6.0 5.5 6.1 6.0 5.5 6.1 6.0 5.5	13	18.29	12.14	9.61	38.50	24.9	27.2	29.5	27.3	08	8	, c x	ă			.064		5	110	0.0	7.0	÷	+	+	 +	s 1.	0.1.0	0-1
27.5 8.4 8.1 8.4 8.1 8.4 4.0 500 450 50 6.5 590 480 700 1,100 15 2.0 27.5 8.5 7.5 7.5 7.5 7.5 7.5 7.5 7.5 1.10 1.5 1.5 27.5 8.5 7.5 7.5 7.5 7.5 7.5 7.5 1.10 1.5 1.5 28.6 7.5 7.5 7.5 7.5 7.5 1.5 1.50 1.50 1.50 1.0 1.0 1.1 28.7 7.4 7.5 7.5 7.5 7.5 7.5 1.50 1.500 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.50 1.5 1.0 2.0 2.0 2.0 2.0 1.5 1.0 1.5 1.5 1.5 1.5 1.0 1.5 1.5 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	4	19.38	15.44	17.40	43.00*	24.4	26.9		6 26		5 0	0 0		046		614 1		0,0	9.1	6.1	90	.: + ·	+	+			. 1.5	0.5
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256 8.7 8.6 9.0 8.5 4.50 4.40 490 8.0 7.9 7.4 7.7 870 950 750 1.500 1.0 0.5 22.0 8.8 8.6 7.8 330 420 430 8.0 7.4 7.4 7.4 7.5 600 990 900 530 2.0 1.5 25.0 8.6 7.8 3.30 420 450 530 8.4 7.8 7.4 7.4 7.4 7.6 600 990 900 530 2.0 1.5 26.7 7.3 8.1 8.0 7.4 7.4 7.4 7.4 7.6 7.0	3	2.1	13.14	9.73			26.4		26.0	8.8	8.5	8.4	8.3	860	710	560	490	7.4	7.5	6.6	7.7		-					2
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26.0 7.3 7.5 8.0 7.2 370 380 430 470 7.2 6.6 6.7 7.0 780 740 1,700 500 1.0 1.0 273 7.5 7.3 8.7 7.5 330 390 440 450 7.0 6.1 7.4 6.5 299 580 550 660 2.0 1.5 25.1 74 7.2 7.6 7.2 680 600 580 480 7.1 6.6 6.5 7.3 1,100 1,290 900 750 0.5 0.5 266 8.0 8.3 8.4 8.0 460 440 490 510 6.9 5.9 6.6 6.9 950 1,070 1,170 1,400 1.0 0.5 266 8.9 8.2 8.2 8.2 8.0 420 420 430 370 7.1 6.6 6.6 7.2 860 810 800 350 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	<u>x</u> :	21.22		10.48	71.42	24.3	26.7	29.0	26.7	8.0	8.1	8.0	8.3	430	510	530	480	8.2.	7.4	7.4	7.4		•					3
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26.6 8.0 8.3 8.4 8.0 460 440 490 510 6.9 6.9 6.5 6.9 950 1.070 1.170 1.400 1.0 0.5 1.5 26.6 8.9 8.2 8.5 8.0 430 420 440 370 7.1 6.6 6.6 7.2 860 810 800 350 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.	17	1.1			- · ·	23.7	25.5	27.0	25.1.	4.7	7.2	3.6	7.2	680	600	580	480	7.1	. 9 9	6.5	7 3	-			0 052	<u> </u>		
26.6 8.9 8.2 8.5 8.0 430 420 440 370 7.1 6.6 6.6 7.2 860 810 800 350 1.0 1.0 1 **: Measured at 8:00 and 16:00	88		1			23.3	25.3	27.0	26.6	8,0	8.3	8.4	8.0	460	440	490	510	6.9	6.9	6.6	6.9	• •		~				
1 ** : Measured at 8:00 and 16:00	62	- 1	° 1	- 11		24.3	26.3	-26.5	26.6	8.9	8.2	8.5	8.0	430	420	440	370	7 1	6.6	6.6	7.2			•.				3 : 6
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1973 16.0 11.0 9.1 6.0 17.0 17.0 17.0 17.00 15.00 <td>M</td> <td>÷.,</td> <td></td> <td>14.05</td> <td>16.39 2</td> <td>7.5 26</td> <td></td> <td></td> <td>۰.</td> <td>8.4</td> <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>6.9</td> <td>6.9</td> <td>1,100</td> <td>1,100</td> <td>006</td> <td>1.400</td> <td>0.5</td> <td>0.5</td> <td>10</td> <td>1.0</td>	M	÷.,		14.05	16.39 2	7.5 26			۰.	8.4	•								6.9	6.9	1,100	1,100	006	1.400	0.5	0.5	10	1.0
(4) (1) (3) <td>4</td> <td></td> <td></td> <td>11.62</td> <td></td> <td>Ś</td> <td></td> <td>• •</td> <td>1.</td> <td>8.4</td> <td></td> <td></td> <td>;</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>1.7</td> <td>6.8</td> <td>0011</td> <td>850</td> <td>850</td> <td>006</td> <td>0.5</td> <td>-1.0</td> <td>0.1</td> <td>1,0</td>	4			11.62		Ś		• •	1.	8.4			;			-			1.7	6.8	0011	850	850	006	0.5	-1.0	0.1	1,0
17.7 13.0 9.4 0.22 0.4 0.23 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.4 0.2 0.2 0.4 0.2 0.2 0.4 0.2 0.2 0.4 0.2			Ζ,	9.06	. •	• •				8.4	8.4 8				·				. 1. 1	1.7	1,900	1.100	1,000	2,000	0	0	0.1	0
Disk (53) (54) (54) (53) (54) (52) (54) (51) (52) (50) <th< td=""><td>ģ</td><td>÷.</td><td></td><td>9.74</td><td></td><td></td><td></td><td></td><td>0 6;</td><td>8.4</td><td>8.4 8</td><td></td><td></td><td></td><td></td><td></td><td></td><td>8.2</td><td>1.7</td><td>6.8</td><td>2,000</td><td>ţ</td><td>2.000</td><td>ţ</td><td>0.3</td><td>0.2</td><td>0.4</td><td>0.3</td></th<>	ģ	÷.		9.74					0 6;	8.4	8.4 8							8.2	1.7	6.8	2,000	ţ	2.000	ţ	0.3	0.2	0.4	0.3
11: 14: 99: 70: 56 66 66 66 160 130	•	Ξ.		(1.39		-			1 61	8.4							0. 7.7	1.7	6.2	7.0	;	2,000	1.200	1,400	0.3	0.5	0.5	0.5
11.11 11.48 79.37* 27.7 29.66 83.2 83.2 83.3	æ						t de la			8.2	8.2						0 7.3	6.6	6.6	6.9	1,600	1.300	1,300	850	0.5	0.5	0.5	1.0
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(8,13) (15,25) (18,0) (1,40) (5,1) (28,1)<	12				1				27.5	8.1	8.1 8					۰.	0 7.3	7.0	6.9	7.1	1,200	1.100	000'i	660	0.5	0.5	5.0	1.5
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16.68 56.18 57.46 60.74 26.5 28.0 8.2 8.2 8.2 8.3 390 410 300 7.3 7.5 7.4 7.2 7.1 7.0 230 200 190 35 2.5 34.76 57.14 58.86 69.87* 56.7 28.8 28.9 8.4	14	:		. *						8.1	8.0	3.1 8.		۰. T		:	0 7.2	7.1	6.9	7.3	590	460	480	440	1.5	2.0	1.5	2.0
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29.38 20.80 14.01 10.38 26.6 28.3 31.3 29.6 8.4	17						. •			8.3							0.7,5	F.7 1	6.8	7.2	540	420	540	300	1.0	2.0	5	2.5
[4,9] [1,10] [1,30] 8,19 264 202 31,9 30.2 8,4 8,3 510 480 510 55 64 6.0 6.1 330 210 94 2.0 2.5 13,71 12.99 7.01 4.291 2.61 33.8 32.7 8.2 8.0 8.0 8.1 370 400 460 7.1 7.4 7.1 7.6 64 6.0 6.1 38 360 50<	18	29.38		. 1					•	8.4										6.3	200	390	270	230	2.5	2.0	2.5	2.5
[371] 12.99 7.01 42.91 261 29.5 33.8 32.7 8.2 8.0 8.0 50 430 6.4 7.3 6.7 6.9 6.6 6.1 88 330 50 50 50 50 50 50 50 50 50 50 50 50 50 50 55 <td>19</td> <td>14.91</td> <td></td> <td>11.30</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8,4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0 7.5</td> <td>6.4</td> <td></td> <td>6.1</td> <td>025</td> <td>210</td> <td>94</td> <td>64</td> <td>2.0</td> <td>2.5</td> <td>3.0</td> <td>3.5</td>	19	14.91		11.30						8,4							0 7.5	6.4		6.1	025	210	94	64	2.0	2.5	3.0	3.5
22.15 15.19 10.17 59.25 27.0 29.0 33.6 30.2 8.2 8.2 8.0 460 470 7.1 7.4 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.1 7.6 7.0 2.0 2.50 8.0 3.6 3.5 3.5 3.5 3.5 3.5 3.5 3.6 3.0 3.80 400 460 7.7 7.5 7.1 7.4 7.0 2.20 2.50 3.0 2.5 3.0 17.14 13.57 8.94 20.6 50 50 50 50 50 50 50 5.5 3.0 2.50 2.50 2.50 2.50 2.50 2.5 3.0 3.5	20	13 71		7.01			. *			8.2							0 6.4	7.3	6.7	6.9	63	61	88	350	5.0	5.0	4.S	2.0
17.96 11.06 13.31 21.33 26.4 28.8 3.0 8.0 380 400 460 7.7 7.5 7.1 7.4 7.0 2.20 2.50 810 4.5 5.5 19.03 14.43 8.47 11.31 27.4 2.97 31.4 30.8 8.2 8.2 8.2 510 500 530 560 7.6 7.0 7.4 6.9 230 1.5 2.5 3.0 17.14 13.67 8.94 8.2<	21	22.15		10.17						8.3	8.2			,			1.7 0	7.4		1.7	76	84	210	690	4.0	3.5	Ś	i.S
19,03 14,43 8,47 11,31 27.4 29.7 31.1 30.8 8.2 8.2 8.1 510 500 530 560 7.6 7.0 7.4 6.9 230 130 6.3 220 2.5 3.0 17,14 13.67 8.94 20.63 27.2 30.4 33.3 32.5 8.2	22	17.96		13.31						8.3	8.2						0 7.5	7.5	Π.	7,4	70	220	250	810	4.5	3.5	2.0	5.1
17.14 13.67 8.94 20.63 27.2 7.4 6.4 6.6 390 220 1.5 2.5 23.26 16.29 11.99 14.4 2.69 2.33 8.1 450 450 450 7.6 7.4 6.6 390 220 1.5 2.5 13.17 12.06 8.62 5.99 3.18 30.3 8.3 8.1 450 400 400 7.6 7.4 7.0 6.8 110 86 5.9 6.9 5.5 3.5 15.17 12.06 8.62 25.0 5.0 5.0 5.0 5.0 5.0 5.0 5.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.6 4.0 4.0 7.8 6.7 6.7 6.7 6.7 6.7 6.7 7.7 7.5 6.6 3.0 3.5 3.6 3.0 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6 3.6	23	19.03		8.47						8.2	8.2						•	•	7.4	6.9	230	130	63	220	2.5	3.0	4.5	2.5
2326 16.29 11.99 14.64 26.9 21.3 8.1 450 430 400 7.6 7.4 7.0 6.8 110 86 59 69 3.0 3.5 13.17 12.06 8.2 53.31 27.0 259 32.5 8.2 8.0 8.2 510 520 530 550 7.6 7.1 6.6 7.2 72 65 46 250 3.5 3.5 16.88 13.32 9.98 50.4 250 350 420 7.8 6.7 6.9 6.7 43 42 33 3.4 7.5 8.0 3.0 3.0 400 400 7.6 7.1 6.6 7.2 7.3 3.4 7.5 8.0 3.0 <td>24 -</td> <td>17,14</td> <td></td> <td>8.94</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>8.2</td> <td>8.2</td> <td>64</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>4.7 .4</td> <td>6.4</td> <td>6.6</td> <td>390</td> <td>-220</td> <td>120</td> <td>280</td> <td>1.5</td> <td>2.5</td> <td>3.5</td> <td>2.5</td>	24 -	17,14		8.94						8.2	8.2	64						4.7 .4	6.4	6.6	390	-220	120	280	1.5	2.5	3.5	2.5
13.17 12.06 8.62 55.31 27.0 25.9 32.5 30.2 8.2 8.0 8.2 510 520 530 550 7.6 7.1 6.6 7.2 72 6.5 46 250 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.5 3.6 7.8 6.7 6.9 6.7 43 42 3.3 3.4 7.5 8.0 3.0 20.89 15.30 10.07 49.05 27.0 28.4 3.7 7.6 8.1 7.3 7.4 7.5 40 3.9 81 9.0 9.0 20.55 16.24 11.05 45.3 27.6 2.6 8.1 8.0 8.0 400 40 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 7.6 7.7 <t< td=""><td>25</td><td>23.26</td><td></td><td>11.99</td><td></td><td></td><td></td><td></td><td>30.3</td><td>8.3</td><td>8.2</td><td>m</td><td></td><td></td><td></td><td>÷</td><td>Ϊ.</td><td>1. 7.4</td><td>7.0</td><td>6.8</td><td>110</td><td>86</td><td>59</td><td>69</td><td>0.6</td><td>3.5</td><td>6.0</td><td>5.5</td></t<>	25	23.26		11.99					30.3	8.3	8.2	m				÷	Ϊ.	1. 7.4	7.0	6.8	110	86	59	69	0.6	3.5	6.0	5.5
16.88 13.32 9.98 9.04 26. 29.1 31.6 31.6 8.1 8.2 8.2 8.1 380 350 390 420 7.8 6.7 6.9 6.7 43 42 33 34 7.5 8.0 20.89 15.30 10.07 49.05 27.0 28.4 32.7 30.6 8.1 7.9 7.8 7.9 390 370 400 7.3 7.5 7.3 7.5 40 39 39 81 9.0 9.0 20.55 16.24 11.05 45.32 27.5 30.1 329 30.8 8.1 8.0 8.3 8.1 430 380 400 420 7.9 7.6 7.7 7.1 67 46 29 160 4.5 6.0 22.77 15.94 37.03 33.61 27.6 30.3 31.0 30.0 8.3 8.3 8.2 8.6 450 420 370 370 350 7.7 7.0 6.9 7.3 54 69 140 65 5.5 5.0 370 8.5 2.5 370 8.5 2.5 2.5 370 8.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2.5 2	26	13.17		8.62	1	-				8.2	8.2				;			1.1	6.6	2.7	77	65	. 46	250	3.5	3.5	5.0	2.5
20.89 15.30 10.07 49.05 27.0 28.4 32.7 30.6 8.1 7.9 7.8 7.9 390 370 300 400 7.3 7.5 7.3 7.5 40 39 39 81 9.0 20.35 16.24 11.05 45.32 27.5 30.1 32.9 30.8 8.1 8.0 8.3 8.1 430 380 400 420 7.9 7.6 7.7 7.1 67 46 29 160 4.5 22.77 15.94 37.03 33.61 27.6 30.3 31.0 30.0 8.3 8.3 8.2 8.6 4.50 420 370 350 7.7 7.0 6.9 7.3 54 6.9 140 65 5.5 37.08 54.52 114.08*18.43* 28.8 28.2 30.5 29.9 8.3 8.4 8.2 8.2 4.20 420 460 340 7.6 6.9 6.9 150 180 180 89 210 2.5	27	16.88	13.32	86'6		÷			31.6	8.1	8.2	8.2. 8.	.1 3					1 6.7	6.9	6.7	43	42	33	34	7.5	8.0	8.5	8,5
20.25 16.24 11.05 45.32 27.5 30.1 32.9 30.8 8.1 8.0 8.3 8.1 4.30 380 400 420 7.9 7.6 7.7 7.1 67 46 29 150 4.5 22.77 15.94 37.03 33.61 27.6 30.3 31.0 30.0 8.3 8.3 8.2 8.6 4.50 4.20 370 350 7.7 7.0 6.9 7.3 54 69 140 65 5.5 37.08 54.52 114.08*148.43* 28.8 28.2 30.5 29.9 8.3 8.4 8.2 8.2 4.20 420 460 340 7.6 6.9 6.9 150 180 89 210 2.5	28	20.89		10.07				-	30.6	8.1	7.9	7.8 7.					0 7.2	3 . 7.5	7.3	7.5	40	62	39	81	9.0	9.0	0.6	4.0
22.77 15.94 37.03 33.61 27.6 30.3 31.0 30.0 8.3 8.3 8.2 8.6 4.50 4.20 370 350 7.7 7.0 6.9 7.3 54 69 140 65 5.5 37.08 54.52 114.08*148.43* 28.8 28.2 30.5 29.9 8.3 8.4 8.2 8.2 4.20 4.20 4.60 340 7.6 6.9 6.9 150 180 89 210 2.5	29	20.25		11.05		1		6	30.8	8.1	8.0	5.3. 8.		,			10 7.5	1.7.6	1.1	7.1	67	46	29	160	4.5	6.0	7.5	25
37,08 54,52 114,08* 148,43* 28.8 28.2 30.5 29.9 8.3 8.4 8.2 8.2 420 420 460 340 7.6 6.9 6.9 5.9 150 180 89 210 2.5	30	22.71		37.03			0.3 3	0.11	30.0	8.3	ന						0 7.5	7 7.0	6.9	7.3	54		140	65	5.5	5.0	3.5	4.5
	16	37.08					2	ŝ	29.9	8.3				•	-					6.9	150	-	89	210	2.5	2.5	3.5	2.5

– : No Data

Measured by the Float Method
 ++ : 2.000 ppm over

Table B-9 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR MARCH, 1984

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105

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	r low Kare (m. /s)	(s)	·	water	water lemperature	U .	5		Hd			За	EC (nS/cm)		 	6	DO (mg/g)			Turbidi	Turbidity (ppm)			Transparency (cm)	ncy (cm	
1	A LINE		•		E				F			Ì	Time		 		Time			Ч	Time				Time	
- P	1		. [ᅴ	6		6	_	~	13:00 17:00	00:6 00	00:11:00		13:00 17:00	00:6 00	0 11:00	0 13:00	17:00	9:00	11:00	1 13:00	17:00	00:6	11:00	13:00	17:00
		15.34 1	14.75	27.5		32.8	1	8.3	8.3 8	8.4 8.5	350	0 400	0 420	0 440	0 7.6	7.0	1.7	6.8	52	72	52	59	6.0	5.0	60	45
27.78 1			ŧ.	27.5	30.5	31.2	29.5	8.5		8.5 8.8	3 390	0 440	0 410	0 320	0 7.9	T-7	6.5	6.9	36	46	23	74	8.5	0.6	4	5
	÷.	11.40 7	73.74*	27.4	30.5	32.5	30.0	8.5	8.6 8	8.6 8.7	370	0 440	0 370	0 350	0 . 7.0	7.1	1.1	7.0	39	43	22	57	0.8	7.5	2 01	60
21.58 1		2.1	ч.,	26.9 2	29.9	32.0	31.5	8.3	8.3 8	8.2 8.5	400	0 420	0 410	0 410	0 7.3	7.2	7.0	7.1	42	48	20	55	5.8	08	0.8	0.0
-	16.88 13	13.83 2	24.09 2	27.6	30.4	33.1	32.0	8.2	8.3 8.	8.2 8.3	450	062 0	0 380	0 420	0 7.3	7.0		6.8	30	48	- 23	140	0.6	2.2	i v	2 0 7
	14.80 11			29.2	31.4	33.8	32.4	8.2	8.2 8	8.2 8.3	440	0 480	0 .480	0. 530	0 . 7,3	1.0	0.1	6.9	16	67	36	86	5.0.	6.5	0.6	e o
	11.12				÷			8.4		8.3 8.4	520	0 550	0 460	0 520	6.4	6.9	6.6	6.2	59	46	36	. 29	7.0	9.0	10.5	11.0
	11.77							8.5		·			0 510	0 540	0 7.2	. 5,4	6.0	6.3	8	. 78	76	36	5.0	6.0	6.0	11.0
							1	8.3				-			7.1	6.7	6.7	6.7	190	100	48	04 E .	3:0	5.0	9.0	4.5
1 25.12			* .		5		÷	8.3					0 520	0 470	0 5.7	1.7	6.1	6.2	50	. 59	1100	700	0.6	7.0	1.0	2.0
	H			·				8.3		1			0 550	0 . 550	0 7.3	6.8	1.1	6.5	160	011	130	650	5.0	5.0	5.0	2.0
								8.2		8.2 8.1	290	0.520	0. 480	0 . 200	0.7.0	6.6	6.4	6.8	150	. 150	120	200	4,0	4,0	4.5	3.5
		· · •	1	1	÷,	33.2	1	8.1		8.1 8.4	450	9 470	0:	0 390	0, 7:3	6.8	7.0.	7.3	50	46	38.	180	9.0	9.0	11.0	4,0
1 6/.07	۰. I				30.3	•		8.2				-	0 480		0 7.2	7.3	6.5	6.7	65	63	26	270	7.0	7.0	11.0	3.5
		_	1.1					8.2							•		7.4	7.1	2	52	76	170	14.0	10.0	7.0	5,0
-		Ì., ',						8.2	•				1		4 2 0	-	6.5	71	54	43	43	130	9,0	10.0	10.0	5.0
÷ 1								8.0						:	1.7.1	.0.2	7.0	7.0	240	200	170	8	3.5	4.0	4.0	6.0
								8.1					0 550	0 510	0 7.2	6,8	7.1	11	770	500	390	590	2.0	2.5	3.0	2.0
1		16.39 2	25.30		•	32.2	31.9	8,3		8.3 8.3	-		0 590	0 550	5.7.5	6.9	1.1	6.7	890	1000	1100	100	1,0	0.5	0.5	0.5
11	j.	. •	1				i.	8.3		- 1 				•	7.5	1.7		I	260	240	i	ŀ	3.0	3.5	i	ı
10.85					32.0		31.6	8.0						_	7.0	6.8	6.5	7.0	1200	840	720	950	0.5	1.0	1.5	1.0
				:		÷.	32.1	8.1		_	÷					· .	6.3	7.4	380	270	190	700	2.5	3.5	4.S.	2.0
		•	÷ .	÷	12	37,8		8.2		8.1 8.1					v	6.7	6.6	6.8	78	61	290	450	7.0	7.5	3.0	3.0
<u>.</u>	•							8.1	~	N		· ·			0.7.8	1.1	6.5	6.4	160	220	250	590	5.0	3:5	3.0	1.5
	<u>.</u>				. Č	÷ ,	11	8 4	°°. ∶	4					. 7.1	7.2	6.9	6.6	310	250	200	300	2.0	2.5	3.0	3.0
	_	9.50		, j				8.1	~ 0	ന			0 480	0 360	ŭ 7.0	6.8	6.6	6.7	200	140	100	230	3,5	5.0	5,5	4,0
÷.,			. ÷ .		\mathcal{A}^{\prime}	32.8		8.4	~	5. 8.4	480	500	0400	0.410	7.5	7.0	6,8	7.5	230	480	750	700	4.0	3.0	1.5	1.5
i.	С.,					4		8.5	8.5	6 8.3	480	390	0. 390	0 420	0.7.0	6.7	7.1	6.3	5	76	160	120	5.0	7.0	4.0	7.0
			63.82	28.9 3	÷ .		29.3	8.5	8,4 8	7 8.5	400	9 470	3 400	0 430	0. 7.5	13	8.1	7.1	67	72	- 72	54	8.0	7.5	7.5	1,0
18.71 1	13.24 18	18:94:-5	1.14	27.6	29.7	32.0	30.2	8.5	8.0 8.	5 8.2	470	400	0 440	0 360	7.4	7.1	7.1	1.3	100	160	140					

Table B-10 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR APRIL, 1984

The section area is forecasted without measuring the depth.

No data By float method By float method.

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106

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Table B-11 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR MAY, 1984

	-		17:00	4.0	3.5	0-1	1.0	1.5	2.0	0.5	2.0	2.5	1.0	2.0	1.5	2.0	0.0	1.0	0.5	0.5	1.5	2.0	2.5	2.5	1.5	1.5	0.5	2.0	2.0	1.0	2.0	3.5	2.0	3.0	
	Transparency (cm)	Time	13:00	1.0	4.0	2.0	3.0	5.5	1.5	2.0	0.1	3.5	0.5	50	0.5	0.5	0.0	0.0	0.5	0.5	0.5	2.5	<u>1</u> 5	0.5	0.5	0.1	0.5	0.5	0.5	0.1	S	2.5	0.5	1'0	
	ranspare	Ξ.	11:00	6.5	4,0	2.0	3.5	5.5	2.5	1.5	1.5	4,0	1.5	1.0	0.5	1.0	0.0	0.5	1.0	0.5	0.0	2.5	1.5	0.5	0.5	2.0	0.5	1.0	0.5	0.5	2.0	2.0	1.0	2.0	
	ч		9:00	6.0	3.0	1.5	3.0	5.0	2.0	1.5	1.5	3.5	0.5	0.1	0.5	1.0	0.5	0.5	1.0	0.5	0.0	2.5	2.0	0.5	0.5	2.0	0.5	1.5	0.5	1.5	2.0	2.5	1.5	3.0	
		•	17:00	190	. 061	1200	850	200	560.	2000	700	220	1000	320	840	2000+	2000+	016	1900	1400	570	260	260	190	690	700	1100	640	550	910	310	190	350	230	
	(mdd		13:00	74	150	550	290	110	640	550	890	140	1100	1600	2000.	2000	2000+	2000+	1600	2000	2000	190	620	1900	0061	750	1400	1000	1300	770	630	190	1200	800	
	Turbidíty (ppm)	Time	11:00	81	150	600	200	120	300	650	780	130	800	1100	1700 -	950	2000+	1500	950	1800	2000+	220	440	2000	I 800	380	1400	800	1500	066	380	300.	810	270	
	J.		9:00	47	220	800	260	120	410	740	790	150	300		2000	780	1800	700	. 006	. 0081	2000+	200	300	100	1500	380	1200	650	1300	640	350	250	450	150	
			17:00	7.5	7.3	7.6	6.3	6.6	6.7	6.9	6.8	i,	-	9	6.9	6.6	6.6		4.	6.8	6.8	12	6.8	2	1	υ.	2	0,	5	0.7	6.9	4	7.5	1.2	
	0	-	13:00 17	7.1 7	7.2 7		6.6 6	.4 6	6.6	6.7 6	ņ	.9	\$	ű.	6.8 6	S	6.6 6	8	6.6	4	0.	4	5.7	6.8	6.9	6.8	0.7	6.9		6.9	5	0.2		.8	
	DO (mg/g)	Time	11:00 13	7.3 7	2. 7	1 6 1	6.6 6	6.4 6	7.4 6	6.9 6	6.6 6	3	4	3	8.	9 9	.7 6	.5 7	.0 6	in in	6.9 7	1	6.6 6	1.	2	0.	6.	0.	.2	9 07	6	5	4	9 6.	
	μ.		11 00:6	7.2.7	7.5 7.	7.7 7.7	6.6 .6	6.8' 6	7.0 7	6.7. 6	7.2 6	6.9 7	6.7 6	6.8 6	7.4 6	7.0' 6	7.3 6	6.4 - 7	7.4 7	7.2 7	7.5 6	7.6 7	.2 6	6.8 6	6.8	.0.	.1 6	т т.	. 5	5.	9		۰ د	.3 6	
		 -	7:00 9:	550 7.	410 7.	480 7	470 6	510. 6	510 7.	520 6	480 7.	380 6	370 6	350 6.	420 7	450 7.	530 7	390 6	470 - 7	600 7	390 7	330 7	380 7	360 6	400 6	440 7	480 7	70 7	50 7	460 7	30 7	300 7	10 7	390 7	
	ē		Γ.	440 5:	540 4:	610 41	500 4		490 5	480 5:	550 41	460 31	510 3	460 3:	390 4	550.4	550 5	560 3	540 4	70 61	420 3	340 3	460 3	480 3	t0 4	70 4	30 4	80 4	480 4	450 4	370 3	350 3	380 3	370 3	
- :	EC (nS/cm)	Time	11:00 13:00	390 . 44	580 54	390 6	460 51	420 440		510 41	560' 51	420 <u>·</u> 4(420 51	~	420 31	490 5:	500 5	490 51	÷	500 4.	450 4	330 3-	420 41	.0	430 4	450 4	520 5	510 4	520 4	410 4	400 3	340 3	350 3	380 3	
	ฉ		9:00 11	ŀ					0 490	490 51		-		0 46(430 45		650 49	440 470	510 5(430 45	360 31	370 4	470 4'	380 4:	460 4:	460 5:	_	460 5:	430 4	350 41	410 3-	420 3.	350 3:	
		 		2 410	2 590	4 490	s 430	4 420	2 580	5	4 570	5 400	4 450	2 420	4 4S0	1	2 520		÷.,	1.5					3	3 4	ε 4	4 440		4	5 33	5	6 4		
	;		00 17:00	8.2	8.2	8.4	80	.8	80	80	8	80	ŵ x	80	8	∞		8.1	8.4	7. 8.	1 8.2	8.3	3 8.5	5.8.3	8.		* 80	3	з. 8.3	5 8	∞ ∞	8 8	5 8	5 8.6	
	Hd	Time	00 13:00	8.2	8.2	8.3	8.2	8.5	8	8	8	80	8.3	8.1	8.3	80	8	7 (1	1 1	8.1	2 8.1		8	5.8.		8	3	80	* 8	ŝ	4 30	4 8.6	5 8.5	
			0.11:00	8.1	8.2	8.2	8.0	8.7	8.4	8.3	8.3	8.5	7.8	ļ	8.1	8.2	8.0	8.0	8.0	1.7		80	8.5	8.0	8.5	00	80		80	80	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	8.4	. 8	5 8.5	
		 · .	00:6	4 8.2	3 8.1	2 8.4	5 8.2	7 8.7	6 8.2	7 8.7	2 8.1	8 8 9	0 8.2	4 8.6	6 8.3	4 8:3	6 8.3	5 8.2	6 77	5 7.8	0 8.2	0 8.1	7 7.9	7. 8.5	1 8.0	4 8.3	5 8.3	4 8.2	3 8.3	0 8.3	3 8.5	1 8.4	0 8.4	3 8.5	
	(<u>)</u>		00 17:00	28.4		1 29.2	1 31.6		31.6	30.7	312	30.8	0. 30.0	4 31.4	2 316	8 314	8. 31.6	2	2 30.9	3 31.5		0.31.0		6 28.7	5 28.1	8-27.4	9 28.5		2 28.3	0 30.0	4 29.3	8 29.1	2 28.0	7 29.3	
	nperatur	Time	I.	30:2	32.5	30.4	1 34.1	33.1	31.8	5 34.7	33.8	34.0	33.0	33.4	31:2	32:8	32.8	31.7	1 34.2	5 33.3	7 30.6	2 31.0	31.2	1 29.6	1 28.5	5 28.8	5 28.9	5 31.2	7 30.	0 30:0	3 28.	\$ 28.8	3 29.	5 30.	
	Water Temperature (*		0 11:00	30:1	30.6	i 30:7	32.4	31.2	30.7	1 32.5	7 32.6	32.5	5 3T.9	: 32:0	30.8	7 30.8	7 31.0	5 31.3	32.4	31.6	7 30.7	2 30.2	1 28.8	1.92 3	9 27.I	28.6	1 28.6	3 29.6	1 29.7	0 28.0	9 28.3	9 27.5	5 27.3	4 29.	
	75	ľ	00:6	5 28:1	0* 29.0	I* 28.4	7* 28.9	3 29.1	5 29.0	5 29.4	0* 29.7	5* 30 Z	7* 29.6	8* 29.2	0* 284	4 28.7	8 28.7	0* 29.5	2 30.1	4 29.5	4 28.7	5* 29.2	8* 27:1	6* 27.2	4* 26.9	1* 27.2	0* 27.1	1* 273	9* 27.4	1 27.0	1* 26.9	8* 26.9	3* 28.6	9 27.4	
•	s)		17:00	12.16	105.30*	15,11*		21.53		52.25	87.50*	÷.,	86.47*	78.48*	. 55:30*		35.08			47.24	* 54.64	* 90.85*	67.78*	* 72.76*	76.34*	88.61*	÷0.10*		64.99*	17.65	• 89,51*	* 88.38*	* 107 73*		
	Flow Rate (m ³ /s)	Time	13:00	13.13	14.18	14.22	8.54	10.30	20:44	7,63	11.71	11.52	38.30	19.51	30.18	16.60	16:54	4132	14.17	19.39	78.80*	* 77.19*	24.19	69.57*	29,35	50.76	18.51	18.82	28.60	29.19	81.01		96.46*		thod ppm ov
	Flow R	L	11:00	13.38	15.01	15.51	11.56	11.63	17.62	10.91	12.45	13.54	18.26	12.48	22.43	24 71	16.66	27.85	14.91	19.46	31:40	70 42+	30.54	22.02	22.68	19.66	18.70	18.16	15.59	39.64	50.32			19.84	* by float method 2000+: 2000 ppm over
			00:6	18.03	17.94	21.47	13.90	14.22	20.65	13.54	16.20	16.52	20.62	17.24	21.07	25.71	26.41	29,48	17,04	20.64	29.36	52:13	33,44	22.89	25.27	19.35	19.49	22.50	16.32	24.88	46.45	40.10	29.86	19.14	* by 2000-
				-	61	'n	4	ŝ	io I	7	. 00	6°	10	11	12	13	4	15	. 16	17	18	19	20	21	22	23	24	25.	26	27	28	29	30	31	
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107

Table B-12 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR JUNE, 1984

]	LIOW K	riow kate (m ² /s)		1	vater Te	Water Temperature	00			Ηd			EC ()	EC (#S/cm)			DO (mg/g)	ng/2)	1		Turbidity (ppm)	(uudd) .		Г	l'ranspare	Transparency (cm)	
Date	:			1			Time				. Time			11	Тіте		-	н	Time		.	Ë	Time			F.	Tune	
	00:6	0 11:00	13:00	17:00	00:6 0		11:00 13:00	0 17:00	00:6 00	00:11 0	00 13:00	0 17:00	00:6	11:00	13:00	17:00	9:00	11:00	13:00	17:00	0:6	11:00	13:00	17:00	00:6	11:00	13:00	17:00
	20.54			* 93.50*	0* 27.9	9 29.7	7 29.5	5 30.2	2 8.3	8.3	3 8.3	8.3	390	380	380	340	7.3	6'9	7.3	7.1	190	170	460	220	3:0	3.5	1.5	3.5
(1	17.49	•		88.12	2 28.1	1 30.2	2 32.4	4 30.2	2 8.2	8.2	2 8.2	. 8.2	350	400	410	460	7.3	7.0	7.2	- 0"2	250	120	140	210	3.0	3.5	3.0	3.5
'n	27.55				5 28.1	1 30.3	3 . 30.4	4 30.0	0 8.2	8.2	2 8.2	8.3	350	370	380	380	7.3	7.0	7.0	7.0	150	150	300	140	3.5	3.5	2.5	3.5
4	32.26	26 70.39	82.26*	* 87,62*	2* 27.3	3 28.2	2 28.9	9. 29.7	7 8,2	8.2	2 8.2	8.3	400	350	430	320	7.3	6.9	7.1	7.3	270	460	340	140	2.0	1.5	2.0	3.5
ŝ	35.77	77 55.10		96.53*	3* 26.8	8 28.4	4 28.7	7 28.8	8 8.2	8.3	3 8.2	8.2	340	400	340	320	7.5	7.8	7.1	7.4	290	920	500	200	2.0	1.0	1.5	3.0
9	31.82	32 30.69		\$3.69	9. 27.0	0 28.3	3 28.4	4 28.0	0 8.2	8.2	2 8.2	8.3	320	310	380	320	7.3	1.7	7.3	7.0	170	180	006	170	3.0	3.0	1.0	3.5
L	95.40*	0* 88.43	93.78	91.25*	5* 26.4	4 27.7	7 28.8	8 28.2	2 8.2	30	2 8.2	8.3	330	310	300	300	7.3	7.3	7.2	7.4	130	150	150	94	3.5	3.0	3.0	5.0
00	19.62	52 29.24	. 38.48		27.	1 28.8	8 28.7	7 28.5	5 8.3	80	2 8.3	8.4	390	390	490 ·	350	7.1	7.2	6.9	7.2	260	380	480	220	3.0	2,0	1.5	3.5
<u>.</u> .	26.32	1			5* 27	3. 28.6		4 29.5	5 8.2	80	2 8.3	8.2	380	340	350	360	1.7	7.0	6.9	7.0	110	130	3 20	290	4.5	4.0	2.5	2.5
ġ.	21.22				5 27.	2 28.6		6. 30.1	1.8.1	80	1 8.2	8.2	380	420	430	450	7.5	1.1	6.9	6,8	1500	1000	840	1000	0.5	0.5	1.0	0.5
11	15.69	1.1			5 27.	6 29:4		0 29.9	9 8.1	8	1. 8.2	8.2	440	410	430	420	7.1	1.1	6.8	7.1	906	700	910	1200	1.0	1.0	0.5	0.5
12	17.73		19.86		7, 25.9			I 29,1	7 8.0	8	1 8.1	8.1	410	430	380	440	7.2	7.2	6,9	6.7	750	590	690	560	1.0	1.5	1.0	1.5
1	20.11		20.47	53.22	2 26.9		1 30.0	0 29.4	4 8.0	.8.0	0 8.2	8.2	420	370	370	460	7.3	7.2	6.9	7.0	1300	750	810	1200	. 0.5	1.0	0.5	0.5
14	45.62		45.39	19.97				7 28.8	8 8.2	8.2	2 8.3	8.3	420	380	310	350	7.2	6.8	7.2	7.0	450	690	480	670	.ن	1.0	1.5	1.0
15	44.03		45.68	49.99	9 27.2	2 28.2	2 29:0	0 27.5	5 8.2	8	2 8.3	8.2	480	340	330	350	7.1	С .	7.3	7.4	310	420	350	280	20	1.5	2.0	2.5
91	52,34		57.91	33.63	3 26.0	0. 26.2	2 26.7	7 26.4	4 8.2	8	1 8.2	8.1	. 360	360	340	370	7.2	7.4	7.4	6.8	330	340	300	230	2.0	2.0	2.5	2.5
11	28.10				3 26.4	4 27.9		7 27.6	6 8,0	8.0	0.7.9	8.0	410	480	430	400	7,4	6.8	6.9	7.2	360	350	450	680	2.0	5.0	1.5	1.0
18	30.42		÷		1 26.0	: .		1. 26.1	1 7.9	8.0	0 8.0	8.0	390	450	410	400	2.0	7.0	6.9	6.9	420	210	800	300	2.0	2.5	1.0	2.0
19	61.27						÷.	7- 26.8	8 8.1	න්	1.8.1	8.1	410	360	380	390	7.4	7.2	6.8	6.9	390	390	460	560	1.5	1.5	1.5	1.0
8	66.35	1 A.A.A.	59.19	60.83	3 25 2		5 27.2	2 27.3	3 8.0	8.0	0 8.1	8.2	390	420	500	380	7.3	7.3	7.4	6.9	2000	1800	1500	. 890	0.5	0.5	0.5	0.5
21	61.92		43:88	1.1	4* 25.0	0 26:9.	9, 27.3	3 25.2	2 8.2	80	2 8.2	8.2	520	360	420	340	7.4	7.4	6.8	7.3	700	850	1000	800	1.0	0.5	0.5	1.0
2	62.92				1 - E	5 25.4	÷.,	3. 25.8	8 8.1	80	1 8.2	8.2	420	490	380	440	. 7.3	7.4	7.4	6.9	990	950	96 8	750	0.5	0.5	1.0	1.0
5	67.54*	-			-			6 25.4	4 8.0	8.0	0 8.1	8.3	570	580	470	380	6.8	1.1	7.4	7.I	1100	1200	950	1200	0.5	0.5	0.5	0.5
2	84:50				S* 24 6	6 25.6	6 25.3	3 25.4	4 79	8	0.8.0	8.1	440	420	410	390	7.3	6.8	7.2	1.5	2000+	2000	2000+	1700	0.0	0.0	0.0	0.5
ส	17.73		÷		8* 25.0	0 25.7	÷.,			6.1	9 8.1	8.1	400	870	420	430	7.4	7.5	7.1	7.3	1400	1900	2000+	1900	0.5	0.5	0.0	0.5
8	93.76			86,66	6 24.1	1 24.6	6 25.2	2, 25.2	2 8.2	രാ	1 8.2	. 8.2	380	420	380	410	7.4	7.0	7.6	1.7	1400	1100	1500	1300.	0.5	0.5	0.5	0.5
27					9* 24.3	3 25.5	5 25.9	9. 26.1	1 8.0	8.0	0 8.1	8.1	390	400	390	450	7.2	7.1	7.1	7.3	2000	1600	1100	1100	0.0	0.5	0.5	20
28	. '			14	9 24.4			5 27.0		80	1 8.2	8.2	400	410	400	480	1.1	1.1	6.9	7.2	1400	1300	1200	1400	0.5	0.5	0.5	0.5
ล	78.49			11.61	1 25.2		9 27.3	3 27.2		80	2 8.3	8.3	410	430	490	420	7.5	7.3	7.5	7.5	1400	1800	1400	1200	<u> 6.5</u>	0.5	0.5	0.5
8	71.60	60 75 19	69.94	99.87	2	3 26.0	0 26.9	9 25.8	8.8.3	8.2	2 8.3	8.2	380	470	400	360	7.5	6'9	1.1	7.8	1300	1200	1200	1100	0.5	0.5	0.5	0.5
ha e	y float	* by float method		•	4): 	-			•			:	;; 		· · .	. .												

^a by float method 2000+: 2000 ppm over

108

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	Ľ,	rlow Rai	Flow Rate (m ^s /s)	2	Wate	Tempe	Water Temperature C	0		Hq				EC (uS/cm)	/ст)			DO (mg/g)	/2)		F	Turbidity (ppm)	(mqq		Tra	Transparency (cm)	((an)
Date	4.44	Тіте				Time	Пe	1		Time				Time	ie Ie			Time		. [.]		Time				Time	
	0.00	11:00	11:00 13:00	17:00	9:00	11:00	13:00	17:00	00:6	11:00	13:00	17:00	9:00	11:00	13:00 1	17:00	9:00	11:00 1	13:00 1	17:00	9:00	11:00 1	13:00	17:00	9:00 1	11:00 1	13:00 17:00
9.	69.74	75.45	68:60	74.33	24.0	:24:5	25.5	25.3	8.1	7.9	8.1	8.1	450	420	530	470	.1.1	8.0	7.9	7.3	1500	1300 -	1300 -	1200	0.5	0.5	0.5
2.	65.86	67.85	68.81	68.28	24.7	25,2	25.5-	26.2	8.2	8.1	8.2	8.2	530	490	410	390	1.1	7.6	7.4	7.5	860	1200	1000	1000	1.0	0.5	0.5
с, œ	89.40	90.82	87.94	80.81	24.2	24.7	25.2	24.6	8.0	8.0	8.1	8.1	400	350	370	360	7.4	7.9	7.5	7.6	1800	1300	1000	800	0.5	0.5	. S.
4	71.33	74.57	69.16	70.09	23.9	24.2	. 25.2	261	8.2	8.2	8.2	8.2	370 -	370	380	360 -	7.7	7.3	1.6	2.0	780	840	660	570	1.0	1.0	Q
s.	76.53	77.39	78.41	65.00	24.4	24.7	25.4	24.5	8.1	8.2	8.2	8.2	470	380	400	360	7.5 -	7.1	7.3	7.6	660	600	650	360	1.0	1.0	0
9	74.54	70.04	68.07	73.61	24.2	24.7	25.0	25.4	8.2	8.2	8.2	8.3	460	440	440	380	7.8	7.3	7.5	7.5	670	170	700	440	1.0	1.0.1	o.
7 11	12.45*1	111.77	112.45*111.77*123.18*112.96*	112.96*	23.6	23,9	24.3	25.8	8.0	8.0	8.1	8.1	380	500	470	430	7.6	7.5	7.6	7.8	2000+	2000+	2000+	2000	0.0	0.0	0.4
8 10	31.85*1	101.85*108.65*	90.34*	90.34*110.72*	25.9	26.4	27.6	27.1	8.2	8.1	8.3	8.2	400	410	480	350	- 97	7.7	7.5	7.0	0001	1000	940.	750	0.5	0.5	. S.
6	86.41	92.02	88.32	88.32 106.55*	25.5	26.3	27.L	24.8	8.2	8.3	8.2	8.2	430.	400	380	360	7.5	7.0	7,0	7.6	1100	1400	1400	750	0.5	0.5	0.5
10	91.41	79.45	77.52	82.22	22.9	24.8	26.5	24.3	8.2	8.3	8.3	8.4	380	390	370	350	7.8	7.6.	7.4	7.2	1100	906	920	620	0.5	0.5	0.5.
11 2	82.77	95.25	81.46	86.22*	23.1	24.9	25.2	24.0	8.1	8.2	8.2	8.2	360	350	380	330	7.9	7.6	7.4	7,4	850	630.	810	610	0.5	1.0	ŝ
12	87.60	84.69	86.55	78.01	22.6	22.6	25,6	26.8	8.1	8.1	8.1	8.2	360	380	350	360	7.5	7.6	7.2	7.0	810 -	760	760	810	0.5	0.5	5
13		70.66	78.47	77.61	23.3	25.2	25.2 .	26.3	8.2	8.1	8.2	8.2	250	360	370 -	380	7.8.	7.3	7.0	7.3	. 850	820.	006	650	0.5	0.5	0.5
1	75.36	77.58	81.07*	74.30*	22.8	24.1	26.1	26.3	8.2	8.3	8,3	8.3	350	480	430	350	7.2	7.6	7.8	7.3	760	760	740	650	0.5	0.5	0.5
. TS		88.54	89.50	79.26	22.6	23,4	24.9	26.6	8,2	6°5	8.3	8.2	420	370	370	430	7.9	1.7	7.8	7.0	760	760	820	660	0.5	0.5	0.5
	68.98	74.81	85.30	92.53	23.3	23.7	24.5	23.4	8.2	8.2	8.2	8.3	430	390	440	340	7.4	7.9	7.5	7.9	. 860	750	690	290	0.5	0.5	0.5
	78.62	82.81	72.39	78.42	22.1	22.9	23.2	25.5	8.2	8.2	8.3	8.2	400	400	410	380	7.8	7.S	7.4	7.0	0011	0001	850	760	0.5	0.5	5.5
81		74.91	81.34	87.46	23.3	24.9	25.5	27.6	8.3	8.2	8.3	8.3	370	400	420	360	7.5	7.2	7.1	6.9	740	840	830	690	0.5	0.5	s.
1		73.47	86.17	84.85	24.0	2.5.8	26.1	26.3	8.2	8.2	8.2	8.2	350	360	360	390	7.6	1.1	6.9	7.3	650 - 1	640	600	610	1.0	1.0	0.
		67.12	73.52	66.71	22.8	25.5	26.2	25.9	8.2	8.2	8.3	8.3	380	380	450	340	7.9	7.3	- 0.7	7.2	850	906	940	440	0.5	0.5	5.0
	80.67	72.22	68.33	72.07	22.3	25.0	26.0	25.2	8.2	8,2	8.3	8.2	390	390	350	360	1.7	7.2	7:0	7.1	960	920	850	320	0.5	0.5	2,1
		76.31	70.41	83.53	22.2	25.4	26.3	26.1	8.3	8.3	8.3	8.3	350	360	370	340	7.4	6.7	6.5	6.8	710	700	420	360	ورق	0.5	Ś
23	78.86	81.60	71.82	84.60	25.8	24.7	24.2	26.6	8.2	8.3	8.3	8.2	420	370	410	400	6.9	7.1	6.9	6.2	950	910	820	480	0.5	0.5	5.0
	76.48	80.52	82.65	78.08	23.2	26.2	27.6	26.8	8.2	8.2	8.3	8.3	430	370	390	380	7.3	6.7	6.8	6.4	1100	950	1000	850	0.5	0.5	0.5
	70.57	72.39	79.32	75.86	23.7	24.2	26.9	27.8	8.3	8.3	8.3	8.3	420	380	410	360	7.6	7.0	6.6	6.4	2000+	1500	960	630	0.0	0.5	0.5
28	78.26	76.97	68.70	75.54	23.8	24.5	26.0	26.5	8.2	S.3	8.3	8.3	360	410	360	360	.0.7	7.5	6.9	7.1	420	450	450	610	1.0	1.0	1.0
	74.47	67.40	72.41	69.30	24.I	24.6	25.9	25.8	8.2	8.2	8,2	8.2	410	350	. 360	360	7.3	6.9	6.8	6.7	066	850	610	360	0.5	0.5	1.0
28	78.68	72.62	68.98	75.45	23.8	25.1	25.9	26.3	8.1	8.2	8.2	8.2	350	380	370	350	7.5	7.0	6.9	6.7	1100	710	1000	950	0.5		0.5
29	73.87	78.49	16.87	73.51	24.2	24.6	25.9	25.3	8.2	8.2	8.2	8.1	400	380	380	400	7.5	6'9	6.6	7.6	970	1300	700	1400	0.5	0.5	0.5
30	74.11	83.07	69.42	71.35	24.0	25.8	27.4	26.7	8.1	8.1	8.3	8.2	390	390	410	360	7.2	1.1	7.2	7.0	1400	1000	1400	. 096	6.5	0.5	<u>ی</u>

Table B-13 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR JULY, 1984

109

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 $\left(\begin{array}{c} 1 \\ - \end{array} \right)$

*By float method 2000+: 2000 ppm over Table B-14 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR AUGUST, 1984

Distribute Trans			Flow R	Flow Rate (m ³ /s)		Wate	r Tem	Water Temperature (°C)	00		Hq			ш. Н	EC (uS/cm)) E		Å	DO (mg/g)		ŀ	Turbidi	Turbidity (ppm)	Ê	۴ ا	Transparency	ucy (cm	lî
900 11.00 15.00 1	Date		-	ime			F	me			Tim		1		Time			.	Time			F	ime			ja I	16.	
8157 3587 710 7950 356 353 359 360 360 367 37 </th <th>•</th> <th>6:00</th> <th>11:00</th> <th>13:00</th> <th>17:00</th> <th>00:6</th> <th>11:00</th> <th>13:00</th> <th>17:00</th> <th>100:0</th> <th>00 13</th> <th>:00 17:</th> <th></th> <th>11 0</th> <th>00 I3:C</th> <th>0 17:0</th> <th></th> <th></th> <th>13:00</th> <th>17:00</th> <th>0.6</th> <th>1 ·</th> <th>7 13:00</th> <th></th> <th>1 00:61</th> <th>1:00 1</th> <th>1 00 1</th> <th>00:1</th>	•	6:00	11:00	13:00	17:00	00:6	11:00	13:00	17:00	100:0	00 13	:00 17:		11 0	00 I3:C	0 17:0			13:00	17:00	0.6	1 ·	7 13:00		1 00:61	1:00 1	1 00 1	00:1
7399 9343 0810 9375 3443 345 349 512 52 300 75<	1	81.42	78.67	77.60	79.10	24.0	24.3	25.3					· .	·		1 ·		1.1	1.4	7.2	1000				0.5	0.5		0.5
793* 793* 703* <th< td=""><th><u>م</u>.</th><td>85.57</td><td>84.38</td><td>88.10</td><td>97.95</td><td>24.4</td><td>24.6</td><td>24.5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>7.5</td><td>7.2</td><td>750</td><td></td><td></td><td></td><td>0.5</td><td></td><td></td><td>0.5</td></th<>	<u>م</u> .	85.57	84.38	88.10	97.95	24.4	24.6	24.5											7.5	7.2	750				0.5			0.5
74.2 77.00 75.70 82.25 25.25 25.2 26 27.2 77 70 <td< td=""><th>м</th><td>19.99*</td><td>84.25</td><td>99.43 *</td><td>¥01.301</td><td>24.0</td><td>24.6</td><td>25.2</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>•</td><td>۰.</td><td>4.7</td><td>7,8</td><td>7.2</td><td>790</td><td></td><td></td><td></td><td>0.5</td><td></td><td>3.5</td><td>1.0</td></td<>	м	19.99*	84.25	99.43 *	¥01.301	24.0	24.6	25.2								•	۰.	4.7	7,8	7.2	790				0.5		3.5	1.0
3.3.3* 8.1.1 ³ 8.3.1 ³ ³ 9.3.1 ³ 9	4	74.82	77.00	75.70	82.23	23.5	25.3	25.9							· .		÷.	7.2	7.4	7.3	800				0.5		.5.	1.5
95.5* 11.4.0° 101.9* 11.1.4* 7.3 34.3 54.3	i,	81.33*	82.71	86.89*	85.10*	24.0	24.8	26.2						:		:		7.4	7.5	7.1	800		650		0.5		0	1.0
11394* 0116* 1131* 1334* 1334* 1334* 1334* 1334* 1334 361	9	98.35*	114.50	110.19	111.34	24.2	24.8	24.5			2			÷.,			•	7.0	6.9	6.9	680				1.0	, S	0.0	2.5
10000* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 10900* 1000* 1000* <th>2</th> <th>129.34</th> <th>101.66</th> <th>121.31*</th> <th>122.47</th> <th>23.8</th> <th>24.1</th> <th>24.6</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th>1</th> <th></th> <th>7.1</th> <th>7.3</th> <th>7.3</th> <th>300</th> <th></th> <th></th> <th></th> <th>2.0</th> <th></th> <th>0</th> <th>2.0</th>	2	129.34	101.66	121.31*	122.47	23.8	24.1	24.6								1		7.1	7.3	7.3	300				2.0		0	2.0
119.37* 111.99* 113.44* 135.40* 233 235 251 350 300<	~	100.01	+ 26, 601	129.03*	105.31*	23.6	24.4	24.8										2.5	7.0	7.0	440				1.0		0.0	1.5
108.1* 97.4* 105.9* 100.1* 73.4 105.1* 73.4 105.1* 73.4 105.1* 73.4 105.1* 73.4 105.1* 73.4 105.1* 73.4 73.5 <th73.< td=""><th><u>б</u>.</th><td>119.25</td><td>*66.111</td><td>113.14*</td><td>135.40*</td><td>23.3</td><td>25.5</td><td>25.2</td><td></td><td></td><td></td><td>00</td><td>. च</td><td></td><td></td><td></td><td></td><td>7,3</td><td>7.1</td><td>8.0</td><td>700</td><td></td><td></td><td></td><td>0.5</td><td>1.0</td><td>\$</td><td>2.5</td></th73.<>	<u>б</u> .	119.25	*66.111	113.14*	135.40*	23.3	25.5	25.2				00	. च					7,3	7.1	8.0	700				0.5	1.0	\$	2.5
36.21 36.3 73.45 85.4 23.47 73.56 83.47 73.65 83.47 75.6 80.100 1400 </td <th>20</th> <td>*71.801</td> <td>. 99. 16</td> <td>105.89*</td> <td>100.51</td> <td>23.6</td> <td>25.2</td> <td>25.1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>~</td> <td>7.4</td> <td>7.2</td> <td>7.0</td> <td>780</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ň</td> <td>2.5</td>	20	*71.801	. 99. 16	105.89*	100.51	23.6	25.2	25.1									~	7.4	7.2	7 . 0	780						ň	2.5
36.21 34.67 30.66 77.35 32.8 10.1 35.8 11.8 85.8 17.3 35.8 10.1 35.8 11.8 85.8 17.9 7.8 100 100 150	11	105.66*	74.70	78.56	83.47	26.8	27.2	28.2							. •	•		7.4	7.2	7.1	670						0.5	1.5
36.77 99.41 90.00 56.7 7.8 7.8 7.0 7.6 7.5 100 140 120 30 0.5	12	36.21	34.67	50.66	77.35	27.2	28.2	30.1		-					• •		1.	7,8	7.5	7.6	880			-	0.5		5.0	0.5
9579 8137 10357* 11392* 26.8 27.1 77.0 20.0 200<	13	36.73	92.77	99.41	90.00	26.7	27.3	28.7										6.7	7.6	7.3	1000						0.5	1.5
95.79 81.99* 112.16* 162.13* 26.1 26.4 26.7 26.8 80 31 71 71 70 73 2000 1900 1900 05 05 05 112.04* 101.34* 121.15* 155.4% 25.1 25.7 25.8 25.6 73 73 74 75 75 1000 050 050 050 05	. 14	59.88	93.87	103.52*	113.92*	26.8	26.7	27.0						1				7.0	7.0	7.4	700				0.5		. 5.0	1.0
12049* 10346* 151.75* 135.66* 2.8 26.6 21.1 27.2 7.9 8.0 8.0 350 340 330 310 7.3 7.4 7.5 7.2 2000*1600 1400 1100 150 0.5 0.5 0.5 1900.71* 130.45* 1774* 20934* 256 25.5 25.6 75.7 7.7 7.7 7.8 400 350 250 250 2.0 12 7.7 7.8 1400 1300 150 150 150 150 150 0.5 0.5 0.5 0.5 130.7 1440* 15749* 1774* 22934* 1774* 22934* 17744* 22934* 17744* 22934* 17744* 22934* 17744* 22934* 1775* 7.5 1400 1300 0.5 0.5 0.5 0.5 0.5 130.7 17.4 17.4 17.4 17.4 17.4 17.4 17.5 14.0 130 100 100 0.5 0.5 0.5 0.5 0.5 130.4 150.0 1640.5* 165.7 7.0 7.7 7.7 7.8 400 230 230 230 230 230 240 25 0.5 0.5 0.5 0.5 0.5 139.4 161.19* 15743* 15743* 157.14* 155.2 25.5 25.5 25.5 25.3 25.1 8.1 8.1 8.1 8.1 200 240 200 7.4 7.5 7.7 18 10.9 110 120 120 120 0.5 0.5 0.5 0.5 117.7 18 10.9 110 10 120 120 120 0.5 0.5 0.5 117.5 140.1 100.7 17.5 7.8 7.8 6.8 770 810 810 70.5 0.5 0.5 0.5 117.5 14.1 155.9* 173.7 180.07* 101.4 173.7 15 7.7 19 0.5 0.5 0.5 0.5 0.5 111.66* 134.79* 155.39* 155.4 25.5 25.5 25.3 25.3 8.3 8.1 8.1 8.1 200 240 270 7.6 6.6 0.5 0.5 0.5 0.5 0.5 111.66* 134.79* 135.39* 130.737* 256 25.2 253 25.3 8.3 8.4 220 230 230 230 230 756 7.6 7.6 70 660 0.5 0.5 0.5 0.5 111.66* 134.79* 135.47* 256 25.2 25.5 25.1 8.1 8.1 8.2 260 250 776 7.6 7.8 7.7 7.9 650 600 901 0.0 0.5 0.5 119.178* 211.10* 17097* 136.47* 170.75 7.4 7.3 7.6 820 800 650 1.0 1.0 1.0 1.168* 134.79* 101.47* 256 25.5 25.5 25.5 25.5 25.5 25.5 25.5	15	95.79	*66'18	123.16*	162.18*	26,1	26.4	26.7						: 1			•	1.1	7.0	7.3	2000		-	~			50	0.5
211.85* 361.73* 220.45* 304.35* 251 252 254 256 77 7.7 7.8 400 340 350 290 80 73 73 81 2000-2000-2000 05 05 05 05 05 05 05 05 05 05 05 05	16	120.49*	103.46*	151.75	135.66*	25.8	26.6	27.1									•	7.4	7.6	7.5	2000	+ 1600						0.5
180.71* 184.67* 177.44* 299.94* 25.6 26.1 26.0 7.9 8.0 290 7.4 7.5 1400 1500 1500 150 <t< th=""><th>17</th><th>211.85*</th><th>361.73*</th><th>320.45*</th><th>304.38*</th><th>25.1</th><th>25:2</th><th>25.4</th><th>25.6</th><th>11</th><th>7.7. 7</th><th></th><th></th><th></th><th></th><th></th><th></th><th>7.8</th><th>7.9</th><th>8.1</th><th>2000</th><th>+ 2000</th><th>+ 20004</th><th>+ 2000-</th><th>+0.04</th><th></th><th>0.0</th><th>0.0</th></t<>	17	211.85*	361.73*	320.45*	304.38*	25.1	25:2	25.4	25.6	11	7.7. 7							7.8	7.9	8.1	2000	+ 2000	+ 20004	+ 2000-	+0.04		0.0	0.0
232.4.2* 174.00* 164.65* 172.57* 25.8 25.8 25.1 8.1 29 300 290 29 8.1 7.3 7.7 7.8 1100 1200 130 0.5	18	180.71	184.67*	177 44	209.94*	25.6	26.5	26.1			•		÷.,					7.6	7.2	- 7.S	1400			1.5			. 5.0	0.5 -
190.08* 161.19* 157.43* 197.11* 255 267 27.0 8.0 8.1	19	232.42*	174.00*	164.65*		25.6	25.8	26.5										1.3	7.7	7.8	1100).S	0.5
165.79* 164.65* 165.31* 258 265 27.8 8.1 8.1 8.1 300 310 <th>20</th> <td>190.08</td> <td>161.19*</td> <td>157.43*</td> <td>167 11 *</td> <td>25.5</td> <td>26.7</td> <td>27.0 -</td> <td></td> <td>:</td> <td></td> <td></td> <td></td> <td>4.</td> <td>۰.</td> <td></td> <td></td> <td>7.9</td> <td>7.6</td> <td>7.3</td> <td>006</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td>	20	190.08	161.19*	157.43*	167 11 *	25.5	26.7	27.0 -		:				4.	۰.			7.9	7.6	7.3	006							0.5
178.68* 171.37* 18003* 188.37* 25.6 26.2 25.3 8.1 8.1 8.2 320 310 7.4 7.3 7.6 820 850 750 660 0.5 0.5 0.5 0.5 10 176.99* 178.14* 155.39* 175.79* 25.5 26.3 8.3 8.3 8.4 320 330 320 76 7.6 680 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 10 110 178.14* 155.35* 151.37* 250.355 8.3 8.3 8.4 320 310 76 7.7 6.8 850 710 0.6 0.5 0.5 0.5 0.5 0.5 0.5 10 10 11 110.1 170.19* 160.14.3* 250.255 253 8.2 8.2 8.3 310 290 290 10 10.5 10 10 10 10 10 10 10 10 10 10 <th>51</th> <td>165.79*</td> <td>164.63 *</td> <td>169.87</td> <td>165 51</td> <td>25.8</td> <td>26.5</td> <td>27.5</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>2.8</td> <td>7.8</td> <td>6.8</td> <td>770</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.5</td> <td>0.5</td>	51	165.79*	164.63 *	169.87	165 51	25.8	26.5	27.5										2.8	7.8	6.8	770						0.5	0.5
17695* 178.14* 155.39* 175.73* 25.5 26.1 26.3 26.5 8.3 8.3 8.4 320 330 320 290 7.8 7.6 7.8 7.1 840 750 670 680 0.5 0.5 1.0 154.61* 155.35* 150.00* 170.78* 25.4 26.8 27.9 8.1 8.2 8.3 310 290 310 7.6 7.7 6.9 6.8 850 710 700 640 0.5 0.5 0.5 0.5 191.78* 211.10* 170.79* 134.61* 25.0 26.1 26.6 27.3 8.3 8.2 8.2 8.3 310 290 270 280 8.0 7.6 7.3 7.9 650 1000 1900 900 10 0.5 0.5 183.77* 206.30°* 179.517* 210.407* 223.07* 25.8 26.5 27.3 8.3 8.2 8.2 8.3 310 290 290 290 7.6 7.3 7.9 650 1000 1900 900 10 0.5 0.5 183.77* 206.30°* 195.17* 205.30°* 199.17* 223.07* 25.8 26.5 27.3 8.3 8.1 8.1 240 250 250 250 7.6 7.3 7.9 650 1000 1900 900 10 0.5 0.5 1.0 1.0 1.0 1.2 147.19* 160.25* 179.52.25.8 26.5 27.3 8.2 8.2 8.3 310 290 250 250 7.6 7.3 7.9 650 100 1900 900 10 0.5 0.5 0.5 12.7 147.19* 160.25* 179.52* 101.47* 223.07* 25.8 26.5 25.0 25.9 8.0 8.1 8.1 240 250 250 7.6 7.3 7.9 650 100 1900 900 10 0.5 0.5 1.0 1.0 1.2 147.19* 160.25* 179.52* 195.24** 244 245 25.3 25.4 25.8 26.9 2.0 250 250 250 250 7.0 7.5 7.8 7.8 7.8 7.8 7.9 650 200 410 360 1.0 1.0 1.5 1.5 1.5 1.7 2063.5006.66** 134.79* 245 245 245 245 7.6 7.7 1 0 100 180 180 140 7.5 7.8 7.8 7.8 7.8 7.9 650 200 2000-2000+2000+2000+2000+2000+2000	2	178.68*	171.37*	180.03*	188.37*	25.6	26.2	25.9	26.3		۰.				:			47	7.3	7.6	820						S	1.0
154.61* 153.55* 150.00* 170.78* 26.4 26.8 27.9 2.12 7.9 8.1 8.2 8.3 310 290 310 7.6 7.7 6.9 6.8 850 710 700 640 0.5 0.5 0.5 191.78* 211.10* 170.97* 134.61* 26.0 26.1 26.6 27.3 8.3 8.2 8.2 8.3 310 290 200 7.6 7.3 7.9 650 100 1900 900 10 0.5 0.5 15 157* 206.30* 179.7 206.30* 199.37* 205.30* 101.47.19* 160.25* 25.7 26.5 27.3 8.3 8.2 8.3 310 290 250 7.4 7.0 7.5 7.4 500 650 10 10 0.5 0.5 1147.19* 160.25* 179.5 26.3 25.7 26.5 27.3 8.3 8.1 8.1 240 250 250 250 7.4 7.0 7.5 7.4 500 650 10 1.0 0.5 0.5 10 1.0 177* 206.30* 199.37* 223.07* 25.3 25.8 25.8 25.8 8.0 8.1 8.1 240 250 250 250 7.4 7.0 7.5 7.4 500 650 10 1.0 0.5 0.5 0.5 1147.19* 160.25* 179.52* 164.23* 25.4 27.1 27.3 7.8 8.0 8.1 8.1 240 250 250 250 7.0 7.5 7.4 7.0 7.5 7.4 500 650 1.0 1.0 0.5 1.0 1.0 1.2 1.47.19* 160.25* 179.52* 164.23* 25.4 25.3 25.4 25.1 27.3 7.8 8.0 8.1 8.1 240 250 250 250 7.0 7.5 7.4 7.0 7.5 7.4 500 650 1.0 1.0 1.5 1.47.19* 160.25* 179.52* 164.23* 25.4 25.3 25.4 27.1 27.3 8.1 8.1 240 250 250 250 7.0 7.5 7.4 7.0 7.5 7.4 7.0 7.5 7.1 730 650 1.0 1.0 1.5 1.2 1.2 1.7 8.5 8.5 1588.6* 1549.44** 244 245.24* 244 245.24* 7.6 7.7 7.5 7.5 7.0 7.9 7.1 7.0 7.9 7.1 200+2000+2000+2000+2000+2000+2000+2000	8	176.95*	178.14*	155.39*	175.79*	25.5	26.1	26.3						$\sim 10^{-1}$				7.6	7.8	7.1	840				50	0.5	0.1	1.0
191.38* 211.10* 170.57* 134.61* 26.0 26.1 26.5 27.3 8.2 8.2 8.2 8.2 8.2 8.2 8.3 310 290 7.6 7.3 7.9 560 100 100 10.0 0.5 <t< td=""><th>24</th><td>154.61*</td><td>153.55*</td><td>150.00</td><td>170.78*</td><td>26.4</td><td>26.8</td><td>27.9</td><td>27.2</td><td></td><td></td><td></td><td>÷</td><td></td><td></td><td></td><td></td><td>1.7</td><td>6.9</td><td>6.8</td><td>850</td><td></td><td></td><td></td><td>0.5</td><td>0.S</td><td>S.</td><td>1.0</td></t<>	24	154.61*	153.55*	150.00	170.78*	26.4	26.8	27.9	27.2				÷					1.7	6.9	6.8	850				0.5	0.S	S.	1.0
150.39* 111.68* 134.79* 101.43* 25.7 26.5 26.9 8.0 8.1 9.1 8.2 260 260 290 7.4 7.0 7.5 7.4 500 650 800 650 1.0 1.0 0.5 1.3 7.1* 206.30* 135.17* 225.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 223.07* 200.410 1.0 1.0 1.0 1.0 1.5 1.7 1.0 15.2 1.0 10.2 1.0 10.2 1.0 15.2 1.	52	*87.191	211.10*	170.97*	134,61*	26.0	26.1	26.6										7.6	7.3	6'1	650		Ξ.		1.0	0.S		0.5
183.77* 20630* 195.17* 223.07* 25.8 26.4 27.1 27.3 7.8 8.0 8.1 8.1 240 250 250 7.4 7.0 7.5 7.7 730 650 500 420 0.5 1.0 1.0 1.47.19* 160.25* 179.223.07* 25.4 25.8 26.0 25.9 8.0 8.1 7.9 270 260 260 280 7.0 7.5 7.8 7.8 610 500 410 360 1.0 1.0 1.5 7.4 1.57.68 229.12* 2742.62** 24.5 24.5 24.4 - 7.5 7.6 7.7 - 190 180 180 - 7.2 7.3 6.8 - 2000+2000+2000+ 0.0 0.0 2.0 2.178.85** 1586.6** 1549.44** 24.4 24.5 24.5 24.5 7.8 7.8 7.9 7.9 170 170 160 160 7.3 7.0 7.9 7.1 2000+2000+2000+2000+0.0 0.0 0.0 - 0.0 0.0 0.0 0.0 0.0 0.0 2.0 0.0 238** 1549.44** 24.4 24.5 24.5 24.5 7.4 7.5 7.6 7.7 160 170 180 200 6.9 7.0 7.9 7.1 2000+2000+2000+0.0 0.0 0.0 0.0 - 1.8 7.5 7.5 552.08** 455.87** 24.3 24.5 24.5 7.5 7.5 7.5 7.5 7.5 7.9 7.0 7.9 7.1 2000+2000+2000+0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	36	150.39*	111.68*	134.79*	101.43*	25.7	26.5	26.8	. 1	8,0	8.1 8			÷			•	7.0	7.5	7.4	500						3.5	1.0
147.19* 160.25* 179.52* 164.23* 25.4 25.3 26.0 25.9 8.0 8.1 7.9 270 260 260 280 7.0 7.5 7.8 7.8 610 500 410 360 1.0 1.5 7 1.9 1.5 7.4 1.5 7.6 7.7 - 190 180 180 - 7.2 7.3 6.8 - 2000+2000+2000+ 0.0 0.0 0.0 2.178.85** 1588.16** 1369.66** 154.44** 244 24.5 24.5 24.5 7.6 7.9 7.9 170 170 160 160 7.3 7.0 7.9 7.1 2000+2000+2000+0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	27	183.77*	206.30*	+11.261	223.07*	25.8	26.4	27.1				.1	7 T					7.0	7.5	1.7	730						0.1	1.5
 1957,68 229,112* 2742,62** 24:S 24:S 24.4 - 7.S 7.6 7.7 - 190 180 180 - 7.2 7.3 6.8 - 2000+2000+2000+ 0.0 0.0 0.0 2178,85** 1588,16*** 1349,44** 24.4 24.5 24.5 7.8 7.8 7.9 7.9 170 170 160 160 7.3 7.0 7.9 7.1 2000+2000+2000+0.0 0.0 0.0 670,23*** 592,08*** 498,29*** 24.3 24.6 25.0 25.1 7.4 7.5 7.5 7.5 160 170 180 200 6.9 7.0 6.9 7.4 1300 1600 1200 1200 0.5 0.5 0.5 a. No data a. No data a. No data b. No data a. Submer cond. b. Submer cond. b. Submer cond. c. Submer cond. <lic. cond.<<="" submer="" td=""><th>28</th><td>147.19*</td><td>160.25*</td><td>179.52</td><td>164.23</td><td>25.4</td><td>25.5</td><td>26.0</td><td></td><td></td><td></td><td></td><td></td><td>12</td><td></td><td></td><td></td><td>7.5</td><td>7.8</td><td>7.8</td><td>610</td><td></td><td></td><td></td><td></td><td>1.0</td><td>.5.</td><td>1.5</td></lic.>	28	147.19*	160.25*	179.52	164.23	25.4	25.5	26.0						12				7.5	7.8	7.8	610					1.0	.5.	1.5
2178.85** 1588.16** 1349.44** 244 245 24.5 24.5 7.8 7.8 7.9 7.9 170 160 160 7.3 7.0 7.9 7.1 2000+2000+200 +0.0 0.0 0.0 0.0 6.5 1.0 22.08** 498.29** 24.3 24.6 25.0 25.1 7.4 7.5 7.5 1.60 170 180 200 6.9 7.0 6.9 7.4 1300 1600 1200 1200 0.5 0.5 0.5 0.5 0.5 2.5 1.8 By float method. The section area is forecasted without measuring the depth. 2000-500 model area is forecasted without measuring the depth. 2000-50	52	1 1	1957.68	2291.12*	2742.62**	24.5	24.5	24.4		•		-	- -			• :	7.2	7.3	6.8	ŀ	2000	+ 2000-	+ 2000-				0.0	1
670.23*** 592.08*** 498.29** 463.87** 24.3 24.6 25.0 25.1 7.4 7.5 7.7 160 170 180 200 6.9 7.0 6.9 7.4 1300 1600 1200 1.5 0.5 0.5 0.5 * * By float method. ** By float method. The section area is forecasted without measuring the depth.	30	2178.85 **	1588.16**	1306.06**	1549.44**	24,4	24.5	24.5	24.5								1	7.0	7.9	7.1.	2000	+ 2000-	+ 2000-		+0.0.		0.0	0.0
- : No data • By float method. * By float method. The section area is forecasted without measuring the depth. 2005: 2000 nem over	31		592.08	498.29**		24.3	24.6	25.0	25.1	7.4	7.5.7		Ξ.	<u> </u>			· .	7.0	6.9	4.7.4	1300	-				5	3.5	0.5
11. By Dock method. 11. 11. By 10. 11. 11. 11. 11. 11. 11. 11. 11. 11.			Po Q	ata																								
			* By float	method.	certion area is	. formerse	ted w	hout -		o the d	. 1				:.							.÷			•			
	•	• . •	2000+: 200	fi nom over	34-HAN 41-4															-								

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Table B-15 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR SEPTEMBER, 1984

Date			and the second se									ļ			1.00		•	S			In T	Turbidity (ppm)	(mqq	•	I ransp	I ransparency	
		Time	me			. .	Time			Ū,	'lime		•	Ξ.	Time -		-	Ţ.	Time			Time			•	Time	
р н. 1917 -	00:6	11:00	13:00	17:00	9:00	11:00	13:00	17:00	9:00	11:00 1	13:00 1	17:00 9	9:00	11:00 1	13:00 1	17:00 9	9:00 1	11:00 1	13:00 I7	17:00 §	9:00 11:00	00 13:00	00:11:00	00:6 0	11:00	0 13:00	17:00
	584.53**	\$23.59**	523,59**	564.34**	25.4	26.5	27.3	25.8	8.0	8.0			200	230			7.1	7.3	7.5 7						0.5	0.5	0.5
2	437,30**	403.90**	449.13** 387	387.68**	25.6	26.3	27.2	26.2	1.8	6.	8.0	. :	220	230	250	560	1.1	7.2	7.5 7	7.2	740 710	0 720	0 650	0.5	0.5	0.5	1 O
е С	358.30**	335.61**	370.59**	335.11**	25.2	25.6		26.6	6 r	8.0		8.2	220	280			7.4	6.4	7.0 6	6.8	660 610	0 440	0 680	0'1	1.0	1.5	1.0
	430.35**	393.23**	345.09**	437.08**	25.9	26.0	27.0	26.2	8.1	8.3	8.4	8.4	220	230	220	220	7.3	1.1	7.0.7	7.8	760 650	0 670	600	0.5	1.0	1.0	1.0
ં	303.65**	349.94**	450,44**	375.24**	25.6	26.3	26.9	25.8	8.0	8.0.	5.1	8.2	270	260	250	230	1.1	7.4	7.6 7	7,4	270 490	0 320	006	2.0	. 1.5	<u>51</u>	0.5
2	384.23 **	348.82**	248.71*	223.14**	25.2	26.6	26.4	27.2	8.0	8.0	8.0	8 I	230	250	250	220	7.5	6.9	7.6 7	7.0	330 250	0 230	230	2.0	2.0	2.5	2.5
÷.	316.87**	338.66**	361.38**	367.19**	25.3	26.1	26.6	26.4	8.1	8.1	8.2	8.2	220	230	230	230	30	7.5	7.5 7	7.4	270 230	0. 250	0 240	2.0	2.5	2.5	2.5
8 . 2	202.87*	174.27*	203.71*	150.54	25.3	26.1	27.1	27.0	8.0	8.1	8.2	8.3	220	250	250	250	7.4	1.1	7.7 7	5.7	200 190	0 160	0. 150	2.5	2.5	3.5	3.5
5 Å	206.52	214.97	226.63	233.27	25.6	26.0	26.9	27.2	8.2	8.2	8.2	83	230	220	220	250	7.8	7.8	7.3 7	7.2	190 140	0: 140	150	2.5	3.5	3.5	3.5
10.1	194.03	191.99	164.29	147.39	25.3	25:8	26.4	28.2	8.3	8.2	8.3	8.4	230	210	230	250	7.2	7.7	7.6 6	6.9	210 170	0 130	0 140	2.5	5.0	3.5	3.5
۲۰۱ ۲۰۰	243.71	224.48	232.83	231.62	25.5	26.8	27.1	27.2	8.3	8.0	8.1	8.1	230	240	230	240	7.0	6.6	6.4 6	6.3	230 200	0 200	0 180	2.5	3.0	3.0	3.5
. N	104.41	124.19	116.40	106.36	25.7	26.2	27.3	27.1	8.0	8.1	8.2	8.2	250	240	250	280	7.0	6.9	6.8 6	6.4	ISO 140	0 - 140	140	3.5	4.0	4.0	4,0
13	211.63	230.52	277.70	288.49	25.7	26.1	27.1	27.6	8.2	8.2	8.3	8.2	230	230	240	240	7.0	6.3	6.1 6	6.5	180 170	0 140	0. I50	3.5	3.5	4.0	4.0
	146.26	148.18	159.56	107.89	25.1	25.7	26.6	27.4	8.1	8.1	8.1	8.0	260	260	260	280	7.8	7.5.	7.4 6	6.6	150 120	0 160	89	4.0	4.0	4.0	4.5
15 1	156.84	140.88	159.56	165.63	25.2	25.8	26.5	27.6	8.2	8.2	8.2	8.2	210	220	240	260	7.7	7.0	7.6 6	6.8	120 160	0,100	94	3.5	3.0	4.5	4.5
16]	143,46	146.22	155.65	152,22	25.9	25.9	26.9	27.4	8.1	8.2	8.2	8.2	260	250	260	260	7.9	7.9	7.8 7	7.1	160 130	0 110	0 130	2.5	3.5	4.0	3.5
17. 1	165,41	159.94	149.78	161.09	25.3	25.9	26.2	26.5	8.0	8.1	8.1	8.1	260	260	260	270	7.5	7.4	7.0 7	7.1	140 86	84	4 8	3,0	4.5	4.5	4.5
18 1	153.58	149.03	150.13	119.86	25.1	25.8	26.6	26.9	8.1	8.1	8.2	8.2	240	260	250	360	7.6	7.4	7.1 6	6.6	160 100	0 130	6	2.5	4.5	3.5	4. S
61	121.03	105.40	145.50	295.97	24.9	25.7	26.6	26.8	8.0	8.1	8.1	8.1	61	110	120	320	7.4	7.1	6.9 7	7.4	230 210	0 240	0 1300	2.5	3.0	2.5	0.5
	136.85	144.55	145.73	144,41	25.3	25.9	26.8	27.3	8.0	8.1	8.1	8.1	270	270	280	270	7.2	7.5	7.0 7	7.2	230 200	0 220	0 - 210	- 2.0	2.5	2.5	2.5
	138.75	147.83	165.21	148.20	25.1	25.9	26.9	26.8	8.0	8.0	8.0	8.1	280	280	280	270	7.6	7.3	7.4 7	13	230 280	061 0	0 180	2.5	2.0	3.0	3,0
22	141.59	125.91	131.88	133.48	25.3	25.8	26.4	26.8	8.1	8.3	8.1	8.1	280	280	270	290	7.8	7.4	7.3 7	7.4	180 230	0 190	0 270	3.0	2.5	3.0	2.0
23	149.07	146.53	144.12	152.18	25.2	25.9	26.5	27.0	8.1	8.1	8.1	8.1	270	270	270	280	7.8	7.4	7.0.7	1.1	230 230	0 250	0 250			2.0	2.0
	141.50	133.87	140.97	73.77	25.3	26.1	26.5	26.9	8.0	8.0	8.1	8.1	270	270	270	300	7.6	7.0	7.4.7	7.3	250 230	0 31	200			1.5	2.5
52	107.15	131.42	133.37	135.55	25.7	26.7	26.8	27.0	8.1	8.1	8.1	8.1	290	300	30	260	7.4	4.1	7.5 7	7.3	240 270	0 250	061 0	2.0	2.0	2.0	3.0
	143.45	137.45	148.35	157.37	27.0	26.2	26.9	26.9	8.0	8.0	8.0	8.1	270	260	270	270	7.3	7.5	7.2 3	7.2	810 610	0 310	0 230	0.5	1.0	L.5	2.0
27	165.05	154.40	155.28	137.21	25.9	26.1	26.9	27.4	8.3	8.3	8.3	8.4	240	260	260	280	: 6*9	7.2	7.5 7	7.2	290 240	0 230	0 310	1.5	2.0	2,5	1.5
	157.33	157.95	152.28	140.71	25.6	26.2	27.0	27.0	2.9	8.0	8.0	8.0	250	260	270	280	7.2	7.4	7.2 6	6.9	1200 800	0 350	0 280	0.5	0.5	1.5	2.0
	147.34	143.07	126.71	134.32	25.7	26.4	27.2	26.9	8.0	8.0	8.1	8.0	280	270	270	270	7.3	7.4	7.4 7	7.4	270 260	0 280	0 200	2.0	2.0	2.0	а . 0
1	131.36	140.68	139.06	137.82	26.1	26.6	26.9	26.9	8.0	8.1	8.1	8.2	330	300	300	280	7.0	7.3	7.3 . 7	0.	350 330	0 300	0 20 0	1.5	1.5	1.5	2

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. (-) Table B-16 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR OCTOBER, 1984

$ \begin{array}{c c c c c c c c c c c c c c c c c c c $		j ,					Water	r Tempe	Water Temperature (1	10		5						י 		DO (mg/g)	(X)		2	(mdd) ynbiaru	(inde			TIM LANAMOUTH	(111)
9.00 11.00	Dat	। अ		Time				ц Ц	De .			Ţ				щï	e.			ę,	IJ	·; -	-	Time				Time	
Hart Hart <th< th=""><th>:</th><th>S</th><th></th><th>1:00 13:</th><th></th><th></th><th></th><th></th><th>13:00</th><th>17:00</th><th>00:6</th><th>I. 00:11</th><th></th><th></th><th>•</th><th></th><th></th><th></th><th></th><th></th><th></th><th>•</th><th></th><th></th><th>ŧ.</th><th>-</th><th></th><th></th><th>ł</th></th<>	:	S		1:00 13:					13:00	17:00	00:6	I. 00:11			•							•			ŧ.	-			ł
All list is first list is sold if is sold i	+	1		3.92 129		19.94	25.7	26.3	27.2	27.4	8.1				270	270			7.3	7.4	7.0	7.0	220	190	150	160			
6400 6131 111 123 717 210 </td <td>••</td> <td></td> <td></td> <td>3.64 124</td> <td></td> <td>18.95</td> <td>26.0</td> <td>27.5</td> <td>27.5</td> <td>27.5</td> <td>8.0</td> <td></td> <td>:</td> <td></td> <td>340</td> <td>350</td> <td></td> <td></td> <td>7.1</td> <td>7.3</td> <td>1.1</td> <td>7.4</td> <td>230</td> <td>320</td> <td>006</td> <td>250</td> <td>2.5</td> <td>. –</td> <td>Ŋ</td>	••			3.64 124		18.95	26.0	27.5	27.5	27.5	8.0		:		340	350			7.1	7.3	1.1	7.4	230	320	006	250	2.5	. –	Ŋ
666 1611 153 710 <td></td> <td>- m</td> <td></td> <td></td> <td></td> <td>36.94</td> <td>26.4</td> <td>27.7</td> <td>28.2</td> <td>27.6</td> <td>8.0</td> <td>_</td> <td></td> <td>-</td> <td>300</td> <td>300</td> <td>350</td> <td></td> <td>6.3</td> <td>7.1</td> <td>6.7</td> <td>4</td> <td>240</td> <td>200</td> <td>480</td> <td>320</td> <td>2.0</td> <td>2.0</td> <td>Ō.</td>		- m				36.94	26.4	27.7	28.2	27.6	8.0	_		-	300	300	350		6.3	7.1	6.7	4	240	200	480	320	2.0	2.0	Ō.
888<		4				77.93	26.3	27.0	27.7	27.7	7.9	8.0			350	350			7.0	7.1	7.3	33	260	410	330	160	2.0	1.5	νi
83.0 72.6 72.6 71.7 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.6 71.7 <th< td=""><td>••</td><td>5</td><td></td><td></td><td></td><td>11.17</td><td>25.8</td><td>27.2</td><td>27.6</td><td>27.8</td><td>8.0</td><td>8.0</td><td></td><td></td><td>300</td><td>310</td><td>340</td><td></td><td>7.1</td><td>6.9</td><td>7.3</td><td>7.1</td><td>710</td><td>410</td><td>380</td><td>300</td><td>1.0</td><td>1.5</td><td>دم</td></th<>	••	5				11.17	25.8	27.2	27.6	27.8	8.0	8.0			300	310	340		7.1	6.9	7.3	7.1	710	410	380	300	1.0	1.5	دم
450 933 633 635 645 737 713 81	~	, o					26.0	27.1	27.6	27.0	8.0	:		•	300	330	330		6.8	7.0	7.2	7.5	1100	500	250	240	0.5	1.5	o,
464 6973 1326 152 512 513 </td <td></td> <td>F</td> <td></td> <td></td> <td></td> <td>31.93</td> <td>2.5.5</td> <td>26.7</td> <td>27.7</td> <td>27.5</td> <td>8.1</td> <td></td> <td></td> <td></td> <td>310</td> <td>340</td> <td>350</td> <td></td> <td>6.9</td> <td>6.9</td> <td>7.0</td> <td>7.2</td> <td>690</td> <td>460</td> <td>006</td> <td>260</td> <td>1.0</td> <td>1.5</td> <td>o,</td>		F				31.93	2.5.5	26.7	27.7	27.5	8.1				310	340	350		6.9	6.9	7.0	7.2	690	460	006	260	1.0	1.5	o,
1.47 0.30 657 1.21 0.30 557 1.21 0.30 557 1.21 0.30 1.27 0.30 1.37 1.27 1.30 1.	~	80			.68 L	55.07	25.5	26-5	27.3	27.0	8.2					360	330	300		7.4	7.5	7.4	600	1100	590	200	1.5	1.5	o.
6666 77.00 17.30 27.5 27.5 28.0 500 200 <th< td=""><td></td><td>6</td><td></td><td></td><td></td><td>23.18</td><td>25.5</td><td>26.6</td><td>27.9</td><td>27.7</td><td>8.1</td><td></td><td></td><td></td><td>310</td><td>390</td><td>350</td><td>370</td><td>0.1</td><td>6.9</td><td>7.0</td><td>7.5</td><td>006</td><td>1100</td><td>710</td><td>420</td><td>0.5</td><td>0.5</td><td>o.</td></th<>		6				23.18	25.5	26.6	27.9	27.7	8.1				310	390	350	370	0.1	6.9	7.0	7.5	006	1100	710	420	0.5	0.5	o.
17.41 17.01 15.65 11.01 27.3 17.1 71.1 71.1 71.1 71.1 71.1 71.0	1	0			.50 1	31.45	26.5	27.3	28.3	28.0	8.0				400	320	ar G	340	73	7.5	7.2	7.2	210	190	330	210	3.0	3.0	ŗ,
11.12 14.10 111.05 15.05 56 57 71 66 70 </td <td>H</td> <td>-</td> <td>·</td> <td></td> <td>24 1</td> <td>34.50</td> <td>26.1</td> <td>27.3</td> <td>27.9</td> <td>27.5</td> <td>8.0</td> <td>8.0</td> <td></td> <td></td> <td>300</td> <td>300</td> <td>•</td> <td>· .</td> <td>6.9</td> <td>7.2</td> <td>7.1</td> <td>.1.1</td> <td>340</td> <td>180</td> <td>420</td> <td>350</td> <td>2.0</td> <td>1.5</td> <td>, N</td>	H	-	·		24 1	34.50	26.1	27.3	27.9	27.5	8.0	8.0			300	300	•	· .	6.9	7.2	7.1	.1.1	340	180	420	350	2.0	1.5	, N
111.4.62 111.4.62 114.5.6 164 27.0 7.9 6.0 6.8 7.0 7.3 910 400 360 0.5 1.5 </td <td></td> <td>~</td> <td>51.22 14</td> <td></td> <td>.03</td> <td>58.26</td> <td>26.3</td> <td>27.1</td> <td>28.2</td> <td>28.0</td> <td>8.2</td> <td>8.2</td> <td></td> <td></td> <td>300</td> <td>340</td> <td></td> <td></td> <td>6.8</td> <td>6.9</td> <td>7.1</td> <td>6.8</td> <td>250</td> <td>940</td> <td>190</td> <td>97.</td> <td>2.0</td> <td>5.0</td> <td>ŝ</td>		~	51.22 14		.03	58.26	26.3	27.1	28.2	28.0	8.2	8.2			300	340			6.8	6.9	7.1	6.8	250	940	190	97.	2.0	5.0	ŝ
25.65 62.77 7396 1036 55.6 27.4 77.2 80 81 81 82 300 300 71 7.3 7.0 7.3 7.0 7.3 7.0 7.3 7.0 <	÷	Т.			3.28 1	71.56	26.0	26.4	27.0	27.0	2.9	8.0			280	270			6.9	6.8	7.0	7.3	910	420	360	360	0.5	1.5	ù.
115.82 81.70 96.30 156.39 26.6 27.70 82.3 830 300 290 7.5 6.8 6.8 240 70 260 130 2.0 <td>÷,</td> <td>4</td> <td></td> <td></td> <td>1 96 1</td> <td>39.06</td> <td>25.6</td> <td>26.8</td> <td>27.4</td> <td>27.2</td> <td>8.0</td> <td>8.1</td> <td></td> <td></td> <td></td> <td>350</td> <td>÷</td> <td>300</td> <td>7.1</td> <td>7.3</td> <td>- 0-1</td> <td>7.3</td> <td>750</td> <td>910</td> <td>410</td> <td>310</td> <td>1.0</td> <td>0.5</td> <td>Ņ</td>	÷,	4			1 96 1	39.06	25.6	26.8	27.4	27.2	8.0	8.1				350	÷	300	7.1	7.3	- 0-1	7.3	750	910	410	310	1.0	0.5	Ņ
47.43 101.69 17.13 128.4 26.1 21.0 27.0 27.1 490 200 55 7.1 7.1 7.1 7.1 7.0 200 105 10 115 2.0 06.03 86.44 15.47 7.1 7.2 7.1 7.2 7.1 7.2 100 260 100 110 115 2.5 3.0 300 7.5 7.1 7.2 130 200 150 120	-	5 1		31.70 96	1.30.1	36,39	26.0	26.6	27.3	27.0	8.2	8.2	•			300	290	300	0.7	7.5	6.8	6.8	240	270	260	130	2.0	2.0	Q.
56.81 58.87 76.74 90.32 25.7 25.8 8.0 8.1 8.2 310 7.5 7.2 7.2 130 450 2.6 2.0 1.0 2.5 2.0 1.5 1.0 2.5 2.0 1.5 1.0 2.5 2.0 1.5 1.0 2.5 2.0 1.5 1.0 2.5 2.0 1.5 1.0 2.5 2.5 2.5 3.5	•	9		11:69 137	7.13 I	28.84	26.1	27.0	27.9	27.8	8.0	5	÷.,		340	380	320		6.9	7,0	7.2	7.1	480	300	280	150	1.0	1.5	o,
40.03 80.04 172.08 15.73 25.5 26.4 26.8 8.0 8.0 8.1 8.3 350 7.5 7.1 7.2 7.3 7.6 210 120 12 1.0 25 39.98 56.44 94.43 174.14 25.1 25.2 25.4 25.4 55.4 56.4 25.6 25.8 8.1	٦.	~		15:47 76	4	90.52	25.7	26.5	27.2	27.3	8.0				310.	340	320	300	7.5	7.3	7.3	7.2	150	280	180.	160	3.0	2.5 - 3	o,
39.38 36.54 94.43 124.14 25.1 25.3 8.0 8.1 82.0 350 7.3 7.6 7.6 310 450 660 250 2.0 1.5 1.0 49.26 64.11 54.60 21.4 25.1 25.4 25.6 8.1 <t< td=""><td>-</td><td>80</td><td></td><td>30.44 172</td><td>1 801</td><td>25.73</td><td>25.5</td><td>26.4</td><td>26.8</td><td>26.8</td><td>8.0</td><td>8.0</td><td></td><td></td><td>350</td><td>350</td><td>340</td><td>300</td><td>7.5</td><td>7.1</td><td>7.2</td><td>7.2</td><td>390</td><td>680</td><td>210</td><td>120</td><td>1.5</td><td>1.0</td><td>.v1</td></t<>	-	80		30.44 172	1 801	25.73	25.5	26.4	26.8	26.8	8.0	8.0			350	350	340	300	7.5	7.1	7.2	7.2	390	680	210	120	1.5	1.0	.v1
49.26 64.11 54.60 91.34 25.0 25.1 26.0 25.6 8.2 8.1 81 74 71 72 72 73 70 10 70 10 10 70 10 10 10	H					24.14	25.1	25.2	25.4	25.3	8.0	8.1			320	350		350.	1.3	7.8	7.4	7.6	310.	450	660	250	2.0 -	1.5	Q
32.22 53.04 48.31 42.55 249 25.1 25.4 25.6 8.1 8.1 8.1 8.2 350 380 440 390 7.6 7.7 7.5 7.5 8.20 700 1000 410 0.5 0.611 0.100 1200 900 0.5 0.61 0.100 1100 1200 900 0.5 	4	0			1.60	91.34	:25.0	26.1	26.0	25.6	8.2	8.2			310-	390	410	430:	4.7	7.1	7.2	7.3.	700	850	200	850	0.5	0.5 - (S
35.71 54.06 95.78 77.79 24.8 24.9 25.0 25.0 8.1 8.2 8.2 4.0 410 490 360 7.6 7.7 7.4 7.5 920 1500 1600 760 0.5	3	5	- 11		3.31	\$2.55	24.9	25.1	25.4	25.6	8.1	8.1	8.1		350	380	440	380	7.6	1.7	7.5	7.5	820	700	000	410	0.5	0.5. (5
39.09 39.16 39.32 107.81 24.7 24.9 24.3 25.2 8.2 8.2 8.2 420 420 350 7.3 7.5 7.8 7.7 1800 1500 950 0.5 </td <td>2</td> <td>N</td> <td></td> <td></td> <td>8. 38</td> <td>-61°11</td> <td>24.8</td> <td>24.9</td> <td>25.0</td> <td>25.0</td> <td>8.1</td> <td>8.2</td> <td></td> <td></td> <td>440.</td> <td>410</td> <td>490</td> <td>360</td> <td>7.6</td> <td>1.7</td> <td>2.4</td> <td>7.5</td> <td>920</td> <td>1500</td> <td>600</td> <td>760</td> <td>0.5</td> <td>50</td> <td>نہ ا</td>	2	N			8. 38	-61°11	24.8	24.9	25.0	25.0	8.1	8.2			440.	410	490	360	7.6	1.7	2.4	7.5	920	1500	600	760	0.5	50	نہ ا
40.93 43.10 42.38 1395.6 25.1 26.1 26.3 8.1 360 390 400 450 74 7.1 7.2 7.2 550 610 710 75 1.0 10 10	2	ទ			9.32	07.81	24.7	24.9	24.3	25.2	8.2	8.2	8.2	8.2	420	420	380	530	7.3	7.5	7.8	1.7	1800	1500	360	0002	0.5	0.5 ('n
41.99 40.41 42.53 62.33 25.3 25.8 26.5 27.0 8.1 8.1 8.1 8.1 360 390 400 460 74 7.1 7.2 7.2 550 610 710 770 1.5 1.0 1.0 45. 45.91 70.08 112.90 85.96 25.8 27.0 27.8 21.8 8.1 8.1 8.1 8.1 380 380 440 370 380 74 7.5 7.2 7.4 420 1100 1100 390 1.5 0.5 0.5 1.5 1.5 7.7 6 92.61 95.14 123.77 25.5 26.5 26.7 26.6 8.1 8.1 8.1 8.1 8.1 380 380 410 300 7.8 74 7.5 7.2 7.4 420 1100 1100 390 1.5 0.5 0.5 1.5 1.0 1.5 1.5 7.7 6 92.61 95.14 123.77 25.5 26.5 26.7 26.6 8.1 8.1 8.1 8.1 8.1 380 380 410 300 7.8 74 7.5 7.3 7.3 440 380 750 220 1.5 1.5 1.0 1.5 1.5 1.5 7.5 92.61 95.14 123.77 25.5 26.5 26.7 26.6 8.1 8.1 8.1 8.1 8.1 380 380 410 300 7.8 74 7.5 7.3 7.3 440 380 750 220 1.5 1.5 1.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	~	호		1.1	1.38.1	39.56	25.2	26.2	26.1	26.3	8.1	8.1	8.1	8.2	470	440	430	490	7.2	7.0	7.4	7.1	1300	0011	200	96	0.5	0.5 0	ŗ,
45.91 70.08 112.90 89.56 27.4 8.1 8.2 8.1 8.2 8.2 8.2 25.6 25.4 8.2	3	ñ				62.33	25.3	25.8	26.5	27.0	8,1	8.1	8.1	8.1	360	390	400	460	4.	7.1	7.2	7.2	550	610	710	770	1.5	1.0 . 1	o,
42.96 70.42 93.24 123.97 25.5 26.5 26.7 26.6 8.1 8.1 8.1 8.1 8.1 3.0 100 7.8 7.4 7.3 7.3 4.40 390 750 230 1.5 1.5 1.0 1.5 1.7 7.7 7.3 7.8 4.00 750 750 230 1.5 1.5 1.5 1.5 2.6 2.4.6 2.4.7 2.4.8 1.8 1.8 1.1 2.50 300 300 2.60 7.7 1.0 0.0 1.0 0.0 1.5 1.5 1.5 1.5 1.5 2.0 1.5 1.5 1.5 2.0 1.5 1.5 1.5 2.0 1.5 1.5 2.0 1.5 1.5 2.6. 2.4.8 2.5.0 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.5 8.3 1.5 8.3 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1	ñ	9				89.96	25.8	27.0	27.8	27.4	8.1	8.2	8.2	8.2	370	440	370	380	7.4	7.5	7.2	7.4	420	1100	001	390	1.5	0.5 (ŝ
57.76 92.61 95.14 150.74 25.8 25.6 25.4 8.2 8.2 8.2 8.2 8.2 5.0 400 340 310 7.0 7.2 7.3 7.8 420 750 380 320 1.5 1.0 1.5 1 450.72*457.55*440.93*43.50*2.46 24.6 24.7 24.8 7.8 7.5 7.7 7.8 360 380 270 280 7.7 7.9 7.7 7.7 7.7 2009+ 2009+ 2009+ 0 0 1 376.35*296.49*243.20*189.38 25.6 25.8 8.0 8.0 8.1 8.1 250 300 280 7.6 7.5 7.5 7.2 7.1 770 680 590 580 1.0 0.5 1.5 1.90.91 181.95 188.43 158.28 24.5 24.5 24.8 25.0 8.3 8.3 8.3 250 260 200 260 7.6 7.5 7.5 7.2 7.1 770 680 590 580 1.0 0.5 1.5 1.90.91 181.95 188.43 158.28 24.5 24.5 24.8 25.0 8.3 8.3 8.3 250 260 270 240 7.7 7.4 7.7 7.4 380 410 320 380 1.5 1.5 2.0 1	2		÷ 1.		3.24 1	23.97	25.5	26.5	26.7	26.6	8,1	8.1		8.1	380	380	410	300	89 69	7.4	7.3	7.3	440	390	750	230	1.5	51	ō,
430.72*457.55*440.93*433.50*.24.6 24.5 24.7 24.8 7.8 7.5 7.7 7.8 360 380 2.70 280 7.7 7.9 7.7 7.7 2009+ 2009+ 2009+ 2 376.35*296.49*243.20*189.38 25.4 25.8 26.0 25.8 8.0 8.0 8.1 8.1 250 300 300 280 7.6 7.5 7.2 7.1 770 680 590 190.91 181.95 188.45 158.28 24.5 24.6 24.8 25.0 8.3 8.3 8.3 250 260 270 240 7.7 7.4 7.7 7.4 380 410 320 *D9.91 181.95 188.45 158.28 24.5 24.8 25.0 8.3 8.3 8.3 2.5 250 260 270 240 7.7 7.4 7.7 7.4 380 410 320	1	1			5.14 1	50.74	25.8	25.8	25.6	25.4	8.2	8.2	8.2	8.2	360	.400	340	310	1.0	7.2	7.3	7.8	420	750	380	320	1.5	1.0	Ŝ.
376.35*296.49*245.20*139.38 25.4 25.8 26.0 25.8 B.0 8.0 8.1 8.1 250 300 300 280 7.6 7.5 7.2 7.1 770 680 590 190.91 181.95 188.43 158.28 24.6 24.8 25.0 8.3 8.3 8.3 2.5 260 270 240 7.7 7.4 7.7 7.4 380 410 320 *By Float Method	ы	-	130.72*45	57.55*440	9.93*4	33.50	24.6	24.6	24.7	24.8	7.8	7.5	1.7	7.8	360	380	270	280	1.7	1.9	7.7	7.7	2000+	2000+	+0000	5000+	æ	0	_
190.91 181.95 188.43 158.28 24.5 24.6 24.8 25.0 8.3 8.3 8.3 250 260 270 240 7.7 7.4 7.7 7.4 380 410 320 *By Float Method	'n	÷	376.35+25	96,49*245	5.20+1	85.38	25.4	25.8	26.0	25.8	. 8.0	8.0	8.1	8.1	250	300	300	280	7.6	5-1	1.2	7.1	170	680	590	580	1.0	0.5	رب ا
	e	1	11. 16.061	91.95 186	3.43 1	58.28	24.5	24.6	24.8	25.0	2	e s	8.3	8.3	250	260	270	240	1.7	7.4	. 1.1	7,4	380	410	320	380	1.5	:.s	0
				• •											:														
				By Float	Metho		at K		: : :			 			•			: •	1			•			• .				

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Table B-17 DAILY RECORDS ON THE WATER QUALITY AT FIXED POINT "E" FOR NOVEMBER, 1984

						:																							1
		E.	Flow Rate (m ⁵ /s)	(s/em)	•	Water	Water Temperature (ture (°C)	اخ		ЪЫ				EC (uS/cm)	(គ្គ	- -		DO (mg/g)	(a)		Tur	Turbidity (ppm)	pm)	•	Trar	Transparency (cm)	<u>6</u>	
ä	Date		Time	- -			Time		Į		Time	÷.,		Ę.	Time				Time	 - . •	.		Time				Time		
		00:6	11:00:11	9:00 11:00 13:00 17:00	. ·	9:00 1	11:00 13:00	ł	17:00	9:00	11 00 1	13:00	11:00	5:00	11:00 1	13:00 1	17:00	9:00-1	11:00 13	13:00 17	17:00 9	9:00 - 11:00		13:00 17	17:00 9	9.00 11	11:00 13	13:00 17	17:00
:		124.29 1	54.05 1	124.29 154.05 134.86 113.30		24.6	25.1	25.6	26.0	8.1	8.2	8.2	8.3	280	270	270	280 7	8.	1.1.1	1 6.1	7.5 3	360 31	390 34	360 3	320	. S	1.Ś I.	1.5 1	5.1
	~	147.56-1	39.56 1.	147.56 139.56 155.69 136.07		25.5	25.8 .	26.2	26.5	8.0	8.1	8.1	8.2	280	300	280	260 7	51	7.6 7	7.3 . 7	.4 3	350 4	10. 3!	390 2	100	ېن ۲	i ,	5	o,
•	3	138.56 1	43.78 14	138.56 143.78 145.16 152.53		25.0	25.7	26.5	27.0	8.2	8.2	8.2	8.2	270	270	260	270 7	9.1	7.7	7.6 7	5	260. 2	280 2	220 2	200 2	0	ст 0	2	Ś
	. 4	158.45 1	51.26 1	158.45 151.26 173.26 159.36		25.3	25.9	27.0	27.3	8.1	8.2	8.2	8.2	280	280	270	250 7	ę,	7.5 7	7.5 7	12	180 1	.80 2	8	460. 2	5	5.2	5	ŝ
	5.1	127.56 150.84		140.79 145.08	5.08	25.4	25.9	26.0	26.7	8.2	8.2	8.2	8.3	310	290	300	290.	7	7.2	7.3 7	1.5	190 2	40 20	200	250 2	ין יו	5	5	0.
	6	116.71 112.51		100.34 133.52	3.52	25.1	26.0	27.2	27.1	8.2	8.3	8.3	8.3	280	280	270	290	4.	7.3 7	1.0 7	.6	180 . 2	200	160- 2	260 3	0.	.0 3	0	ō
	2	48.68	83,95	96.89 112.79	2.79	25.4	26.2	27.0	27.4	8.1	8.2	8.2	8.3	310	310	310	330.	1.2	7.6	7.4 7	2	250 3	12 069	180	310 2	0.1	. S	0	o,
	8	62 49	67.21	64.03 6	69,98	26.2	27.2	27.8	27.5	8.1	8.2	8.2	8.2	380	990 v	420	370	. 0.7	7.3 7	7.0 7	1.2	420 7	780 . 9	610	300 1	si L	0.0	S 2	0.
	6					25.2	26.7	27.3	27.0	8.1	8.1	8.1	8.2	310	320	370	390	7.2	7.2 .	7.1 7	.2	150 2	200 34	300 3	390	. 01	5	0	ŝ
	10	42.62 49.51		44.65 100.08	- 2	25.1	25.7	26.6	26.4	8.2	8.2	8.2	8.3	380	· 06£	410	400	7.3	7.1	1.1	7.2 4	460 4	440 7	700 . 4	460 1	5	5.1	0	λ
	11	47.04	44.15	49.81 8	82.73	25.4		27.2	27.2	8.2	8.2	8.2	8.2	390	440	370	430	5.	7.2	3.I. 6	9.9	610. 7	790 6	640.4	460]	0	1.	0	0
	12	83.20 1	13:20	131.55 118.00	8.00	25.1	25.9	26.5	27.0	8.2	8.2	8.3	8.3	300	310	290	250	7.5	7.2	7.2 6	. 6.2	150 2	210 1	[06]	01	 	ي د	.0 1	Ś
•	13	41.44 1	1 11.461	41.44 134.11 126.19 138.25	8.25	24.9	25.7	26.3	26.5	8.0	8.1	8.2	6.9 1	300	330 .	410	290	7.2	; T'L	7.3 7	7.2	150 6	650 2	230]	2	0	. 0.	<u>بن</u>	o.
	14	87.92 1	141.89 1	141.89 137.60 129.87		24.3	25.1	26.4	26.5	8.2	8.2	8.3		290	290	280	280	9,7	7.5	7.1 7	2.0.7	240 2	200 1	100	001	2	5 ¢	4.5 A	v,
	15	56.58 1	140.88 1	123.88 143.58	3.58	24.9	25.5	26.5	26.9	8.2	8.2	8.3	60 17	310	310	320	290	7.6	7.5 7	7.6	· T'.	410 3	310. I	20	240]	2	3	0	ŝ
	16	116.26 1	140.01.1	140.01 147.50 118.93	8.93	24.9		26.0	26.8	8.2	8.2	8.3	8.2	330	310	290	290	7.7	7.5	1.4	4	410 4	450 2	240	130	5	5	۰. بې	'n.
	17	37.42	40.15 1	40.15 100.51 118.89	8.89	25.2	25.7	25.8	26.2	8.2	8.2	8.2	8.3	370	340	390	320	7.5	7.2	7.0 7	7.5 {	850 7	140 8	880	003	.5 (0 د	47j	o, '
	18		66.34	63:80 6	64.22	25.0		26.0	26.4	8.1	8.1	8.2	8.2	360	430	370	350	1.7	7.4 .	7.0.7	. 1.7	770 6	600 4	410 2	280	0.1	.0	va.	O
	19	42.11	39.07 41.21	41.21 11	110.11	26.4	26.4	26.8	26.9	8.1	8.1 :	8.1	8.2	390	360	370 -	420	.1.7	. 1.7	7.6 7	5.5	360 _ 2	290 6	640 4	450 3	5	1.0.1	0	Ń
	20		36.65	36.79 103.69	13.69	24.7	25.5	26.2	25.9	8.1	8.1	8.0	8.2	370	370	-06E	430	7.6	7.5	7.6 7	1.1 4	650 3	360 6	600:	240	0	5	0	٩
	21	30.32	44.92	42.37 7	77.52	24.9	25.9	26.5	26.4	8.2	8.2	8.1	8.2	360	370	360	420	ų.	7.5	7.4	5.5	260 3	360 3	380	360	0.2	.ئ 1	ς γ	'n
	55		37.64	36.65 10	106.65	24.2	25.3	26.2	26.0	8.1	8.1	8.1	8.2	320	350	430	410	7.6	7.4	7.2	1.0	220 3	350 8	. 0+8	580	5.5	ی ۵	5	o.
	53			37.05 100.32	10.32	24.1	25.3	25.9	26.0	8.2	8.2	8.1	8,2	340	350	370	440	7.6	. +'L	7.5 7	7.2 . 3	310 5	540 6	650 4	410	2.0	.5 1	1.0	v.
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Date	Flow Rate (m ³ /s)	Water Tempearture (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
Dec. 1	26.53*	26.3*	8.3*	471*	6.4*	500+	1.0*
2	26.36	26.2*	8.3*	507*	6.7*	500+	1.0*
3	27.40	26.1	8.4	452	6.6	500+	0.8
4	22.63	25.5	8.4	433	6.7	500+	1.5
5	26.66*	25.2	8.4	506*	6.6*	500+	1.0*
6	19.97	24.3	8.4	463	— .	· -	1.3
7	19.97	24.6	8.1	538	6.9*	500+	1.0
8	21.82	24.9	8.3	529	6.8*	500+	0.9
. 9	20.00*	24.4	8.3	743*	6.9*	500+	1.4*
10	19.65	25.1	8.3	392	6.9	500+	1.0
11	21.58	24.7	8.4	401	7.1	500+	1.5
12	18.87	24.3	8.5	401	7.3	500+	1.2
13	21.22*	24.5	8.5	359*	7.4*	500+	1.0*
14	25.26	25.4	8.0	355	7.2	326	1.9
15	34.87	25.0	8.0	366	74	-	1.5
16	22.80	25.0	8.0	478	7.2	1 <u>-</u>	1.0
17	23.49	25.6	8.4	486	77	500+	1.0
18	11.64	26.0	8.4	445	7.5	500+	1.0
19	10.27*	24.0	8.4	600*	7.2*	500+	1.0*
20	23.78	24.1	8.0	370	7.5	500+	1.0
21	22.90	24.7	8.2	370	7.3*	1 	1.5
22	24.72	24.8	8.1	502	7.3	500+	1.0
23	17,77	24.7	8.2	472	7.7	500+	1.2
24	18.85	25.1	7.8	627	7.0	500+	1.0
25	_	· · · · ·		:		$(1,1,\dots,1)$	
26	15.76	25.6	8.3	652	7.1	500+	1.5
27	16.41	24.3	8.4	628	7.3	385	1.4
28	13.11	24.7	8.4	406	7.1	500+	2.2
29	10.92	26.0	8.4	497	7.2	500+	2.2
30	11.13	25.7	8.0	566	7.2	500+	1.4
31	13.43	26.2	8.2	420	7.3	500+	2.1
1-10	23.04	25.2	8.3	491	6.7	na sentencia. Na sentencia	1.1
11-20	22.00	24.9	8.2	409	7.4	1.244.271	1.3
21-31	16.50	25.2	8.2	511	7.3		1.5
1-31	20.38	25.1	8.3	468	7.1		1,3

Table B-18 DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN DECEMBER, 1983

: Culculated by insufficient date : 500 ppm over : No data * * : 500+ :

114

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Date	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
Jan. 1		, <u>.</u>		· · _		_	
2	15.63	24.5	8.2	526	7.6	500+	1.1
3	17.05	24.2	8.2	496	7.9	500+	1.3
4	16.16	24.9	8.2	428	7.7	500+	1.3
-5	17.99	24.9	8.2	491	7.5	-	1.6
- 6	17.61	24.7	8.2	534	7.3		1.7
7		25.1	8.2	356	7.6	· _	3.4
8	17.81	26.3	8.1	609	7.8	500+	1.4
9	15.93	26.1	8.2	394	7.6	· _	2.0
10	14.58	25.8	8.2	411	7.9		1.9
11	15.08	25.4	8.0	396	7.2	-	1.5
12	18.48	25.5	8.0	416	7.3	—	2.1
13	29.07*	25.3	7.9	347*	7.7*	470*	2.2*
14	16.19	25.5	7.8	343	7.8	279	4.0
15		25.7	8.0	367	7.6	500+	1.3
16	14.77	26.5	7.8	624	7.1	500+	1.8
17	12.63	25.4	8.0	555	7.5	500+	0.7
18	17.76	25.2	8.1	496	7.6	500+	1.7
. 19	14.23	26.1	7.9	562	7.3	500+	1.2
20	15.29*	25.8	8.0	495*	7.4*	500+	0.7*
21	15.76	26.0	8.1	440	7.4	500+	0.8
22	11.97	27.3	7.8	542	7.3	500+	1.0
23	15.64	26.6	8.1	504	7.5	500+	1.1
24	12.91	27.1	8.3	504	7.7	500+	1.3
25	16.56	25.5	8.0	406	7.4	500+	2.1
26	13.70*	25.6	8.5	562*	7.6*	500+	1.4*
27		·· _	<u> </u>	· <u> </u>	· . -		. '
28	18.91	26.0	8.4	419	7.4	·	2.0
29	18.27	26.2	8.4	536	7.8	·	1.7
30	12.31	25.9	7.9	556	7.6	500+	0.8
31	15.92	25.6	7.5		7.7	500+	1.3
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1-10	0 16.57	25.2	8.2	475	7.6		1.7
11-20		25.6	7.9		7.5		1.8
21-3	· · · · · · · · · · · · · · · · · · ·	26.2	8.1	486	7.5		1.4
1-3	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	25.7	8.1		7.6	et e	1.6

Table B-19 DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN JANUARY, 1984

Culculated by insufficient data
 500+: 500 ppm over
 -: No data

115

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Date	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
Feb. 1	24.00	25.9	8.1	389	7.5	_	2.3
2	2 17.33	25.1	7.9	499	7.4	500+	0.9
3	13.88	26.5	7.7	520	7.4	-	1.4
4	12.58	26.4	7.8	560	7.2	500+	0.7
5	11.53	27.5	7:4	469	6.9	500+	1.0
6	14.90	28.0	7.9	458	7.4	_	1.5
. 7	/ 19.40*	26.7	7.4	427*	7.5*	351*	2.0*
8	26.45	25.3	7.4	485	7.1		1.1
. 9	15.26	25.3	7.7	470	7.5		1.0
10		26.0	8.7	494	7.5	500+	0.8
- 11	16.04	26.2	8.3	551	6.1	· · … ;;	1.1
12	11.69	26.9	8.3	524	6.4	500+	1.3
13	24.27	26.6	8.1	517	6.2	500+	0.8
14		26.2	8.2	462	6.5	891	1.2
15	26.37	26.9	8.3	463	6.8	1,012	0.7
16	28.63	26.3	8.0	457	7.6	1,015	1.2
17	16.34	27.5	7.5	489	7.8	·	0.6
18	14.52	27.6	7.3	590	6.9	1,365	0.6
19	13.05	27.3	8.0	492	7.4	779	1.0
20	27.98	25.7	8.5	597	7.6	1,213	0.5
21	27.86	24.8	8.7	476	7.8	1,258	0.7
- 22	27.57	24.4	8.4	350	7.7	588	2.6
23	26.97	25.5	8.6	520	7.7	 ,	0.8
24	38.11	26.0	8.1	471	7.6	÷ ۲	0.9
25	33.36	25.5	7.4	437	7.0	765	1.2
26	10.93	26.1	7.6	378	6.9	443	1.6
27	34.58	24.8	7.3	532	7.2	850	0.9
28	33.67*	25.2	8.1	502*	6.9*	1,352*	0.5*
29	48.15	25.6	8.5	391	7.1	523	2.0
1:1	0 17.10	26.3	70	473	7.4	· ·	1.3
1-1			8.0	510	7.4	-	0.9
11-2		26.7 25.3	8.1				0.9 1.3
21-2 1-2		25.3 26.1	8.1 8.0	452 476	7.3 7.2	841	1.3

Table B-20 DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN FEBRUARY, 1984

* : Calculated by insufficient data
 500+ : 500 ppm over
 - : No data

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Date)	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
Mar.	1	49.66	25.5	8;1	363	7.4	348	2.5
	2	56.51	25.2*	8.3*	409*	7.6*	857*	1.2*
	3	16.47	27.6	8.4	457	7.2	1,191	0.7
	4	14.25	26.8	8.4	545	7,5	1,003	0.7
	5	14.81	26.7	8.4	736	7.8	1,822	0.1
	6	17.33	27.2	8.4	825	7.6	2,000+	0.3
	7	17.94	27.5	8.4	741	7.2		0.4
	8	37.74	27.6	8.2	556	6.9	1,057	· 0.8
	9	41.80	27.5	8.2	473	7.2	430	1.7
	.10	52.72	27.1	8.3	454	7.1	442	1.8
	11	26.37	27.7	8.1	440	7.4	913	1.0
	12	36.41	27.2	8.1	467	7.1	853	1.1
	13	26.74	28.0	8.0	551	6.9	. —	0.5
	14	48.35	27.5	8.1	414	7.2	504	1.8
1 .	15	41.59	27.8	8.2	369	7.3	171	3.7
	16	44.37	27.8	8.4	431	7.1	310	3.1
	17	59.91	27.3	8.3	374	7.3	379	2.0
	18	19.62	28.5	8.4	379	6.8	239	2.5
	19	11.54	28.9	8,4	505	6.9	230	2.6
	20	23.76	29.8	8.1	413	6.8	258	3.0
	21	33.99	29.2	8.2	452	7.1	483	2.3
	22	18.07	28.0	8.2	417	7.5	422	2.9
	23	14.43	29.3	8.2	525	7.3	206	2.7
	24	17.13	30.2	8.2	587	6.9	311	2.1
	25	18,04	29.0	8.2	429	7.3	91	3.4
	26	28.31	29.5	8.2	540	7.3	194	2.8
	27	12.78	29.4	8.1	389	7.3	40	7.9
	28	29.63	29.2	8.0	394	7.4	65	5.9
•	29	28.17	29.6	8.1		7.4	120	3.5
	30	28.02	29.2	8.4	390	7.4	74	4.6
	31	89.92	29.4	8.3	377	7.0	179	2.7
1		the pro-					2.1	÷ .
1 - A.	1-10	31.88	27.5	8.3	498	7.2	805	1.3
1	1-20	4 C	28.9	8.2	429	7.1	635	2.1
	1-31		30.1	8.2	417	7.1	199	3.4
		31.48	28.9	8.2	448	7.1	559	2.4

Table B-21 DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN MARCH, 1984

Calculated by insufficient date 2000 ppm over No data * 2000+ : _____

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•. • •	Date	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
	1	18.33	30.1	8.4	389	7.3	56	5.5
	2	62.25	29.0	8.6	352	7.0	68	5.6
	3	39.24	29.3	8.6	358	7.0	51	6.7
÷ .	4	24.33	29.5	8.4	407	7.2	49	7.7
	5	20.49	30.2	8.2	427	7.0	82	6.6
	6	20.35	31.2	8.2	483	7.1	77	5.8
	7	11.40	31.9	8.4	516	6.4	48	8.6
	8	12.11	31.4	8.5	507	6.8	78	6.5
	9	37.66	30.0	8.4	550	6.9	167	4.2
•	10	51.64	29.6	8.3	481	6.3	586	3.3
	11	18.34	30.7	8.3	599	7.0	317	4.0
	12	41.08	29.9	8.2	516	6.8	187	3.6
	13	55.76	30.0	8.2	402	7.3	152	5.1
	14	36.21	30.0	8.3	469	6.8	204	4.8
	15	27.18	29.4	8.1	407	7.3	86	9.5
	16	38.19	30.1	8.2	463	7.1	110	6.1
	17	13,41	31.1	8.1	472	7.1	198	4.1
	18	46.41	30.8	8.1	533	7.1	610	2.0
	19	19.47	30.4	8.3	532	7.0	1022	0.7
	20	13.05*	29.8*	8.3*	388*	7.4*	257*	3.1*
	21	11.98	31.0	8.1	685	6.9	1063	0.8
	22	16.90	30.7	8.1	613	7.5	451	2.6
	23	63.66	30.1	8.1	379	6.8	381	3.5
	24	18.95	30.8	8.2	478	7.0	366	3.2
	25	42.04	30.4	8.2	496	6.7	298	2.8
	26 ·	46.88	31.0	8.1	400	6.7	220	4.0
	27	50.95	30.4	8.4	419	7.5	643	1.8
	28	48.30	30.6	8.4	427	6.5	119	6.3
	29	41.97	29.4	8.4	420	7.3	83	7.4
	30	30.44	29.3	8.3	396	7.3	158	5.2
verage	of 1~10	29.78	30.2	8.4	434	6.9	167	5.6
-	11~20		30.2	8.2	477	7.1	292	4.5
	21~30		30.4	8.3	438	7.0	326	4.0
Ionthly	Average		30.3	8.3	449	7.0	267	4.6

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN APRIL, 1984

* An average of 3 measurements

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	·	Date	Flow Rate (m ³ /s)	Water Temperature (°C)	рН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
		1	14.83	28.6	8.2	455	7.3	122	5.5
		2	49.99	30.1	8.2	446	7.3	192	3.5
		3	41.68	29.1	8.4	485	7.6	1068	1.2
· .		4	32.97	30.9	8.3	464	6.4	709	1.5
		5	16.26	30.4	8.6	466	6.6	407	3.3
		6	28.02	30.5	8.2	529	6.8	508	2.0
		7	27.10	30.8	8.4	512	6.9	1641	0.8
		. 8	42.06	31.0	8.2	499	6.8	723	1.9
		9	41.31	31.1	8.7	387	7.1	203	2.7
		10	47.33	30.4	8.3	400	6.9	1058	0.9
		- 11	40.09	30.8	8.3	372	6.9	701	1.7
		12	35.16	30.2	8.3	424	7.0	1300	1.1
		13	36.72	30.4	8.2	452	6.7	1585+	0.7
	•	14	27.62	30.5	8.2	526	6.9	1920	0.2
		15	50.44	30.7	8.1	475	7.1	1241+	0.8
		16	29.36	31.1	8.0	467	7.3	1600	0.6
	1997 - 19	17	30.36	30.9	7.9	559	⁵ 7.0	1583	0.5
		18	45.19	30.3	8.2	411	7.0	1352+	0.8
	· .	19	71.31	30.2	8.2	340	7.3	229	2.3
	÷	20	44.92	28.7	8.3	385	6.9	307	2.2
	÷ 4.	- 21	47.35	28.2	8.4	408	7.0	815	1.7
		22	44.72	27.6	8.2	400	6.8	1027	1.1
		23	49.27	27.6	8.3	447	7.2	643	1.5
		24	34.76	28.0	8.3	480	7.1	1157	0.5
	· .	25	40.88	28.8	8.3	465	7.0	669	1.8
		26	36.05	28.3	8.3	457	7.2	800	1.5
	1 - K.S.	27	39.71	28.6	8.4	447	7.1	833	1.1
		28	67.24	28.1	8.5	346.	² • 7.0	374	1.9
a de la		29	66.78	28.0	8.5	339	7.3	215	2.9
		30	69.25	28.3	8.5	344	7.4	545	1.6
		31	54.75	28.7	8.5	381	7.1	305	2.7
19 - A.	Average	of 1~1	0 34.15	30.3	8.3	459	7.0	684	2.1
		11~2	0 41.12	30.4	8.2	427	7.0	1055+	1.2
		21~3	1 50.07	28.2	8.4	399	7.1	617	1.8
	Monthly	Аvега	ge 42.05	29.6	8.3	424	7.1	773+	1.7

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN MAY, 1984

+ : More than one out of four measurements are over 2000 ppm.

119

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Date	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm) (DO mg/l)	Turbidity (ppm)	Transparency (cm)
1	56.76	29.1	8.3	357	7.2	259	3.0
2	43.90	29.6	8.2	437	7.1	210	3.4
3	39.73	29.3	8.2	371	7.1	166	3.4
4	62.45	28.5	8.2	358	7.2	231	2.7
5	65.84	27.9	8.2	333	7.4	317	2.4
6	57.55	27.7	8.2	330	7.1	302	2.9
7	93.06	27.5	8.2	314	7.3	121	3.9
8	50.17	28.0	8.3	372	7.2	259	3.2
9	45.70	28.5	8.2	363	7.0	242	3.0
10	19.52	28.8	8.2	414	7.2	1209	0.6
11	28.53	29.0	8.2	425	7.1	1087	0.6
12	15.86	28.1	8.1	416	7.0	671	1.2
13	32.37	28.4	8.1	438	7.1	1175	0.5
14	48.06	28.0	8.3	376	7.1	562	1.3
15	46.88	27.6	8.2	398	7.3	312	2.2
. 16	46.43	26.3	8.2	360	7.1	299	2.2
17	40.60	27.3	8.0	410	7.2	549	1.4
. 18	44.94	26.3	8.0	400	6.9	400	1.9
19	56.61	26.7	8.1	396	7.1	462	1.3
20	63.07	26.3	8.1	402	7.2	1523	0.5
21	58.42	25.5	8.2	428	7.3	778	0.9
22	62.57	25.3	8.2	428	7.2	886	0.8
23	71.69	25.1	8.1	483	7.0	1129	0.5
24	85.54	25.1	8.0	415.	7.2	1882+	0.2
25	81.20	25.0	8.1	449	7.3	1713+	0.4
26	89.17	24.7	8.2	394	7.3	1352	0.5
27	89.50	25.3	8.1	414	7.2.	1499	0.3
28	91.60	25.7	8.2	428	7.1	1366	0.5
. 29	79.58	26.3	8.3	426	7.5	1361	0.5
30	82.29	25.7	8.3	380	7.5	1191	0.5
verage of 1~	10 53.47	28.5	8.2	355	7.2	266	3.0
11~	20 42.33	27.4	8.1	399	7.1	703	1.3
21~	30 79.16	25.4	8.1	423	7.3	1349+	0.5
Ionthly Avera	ge 58.32	27.1	8.2	396	7.2	862+	1.5

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN JUNE, 1984

+ : More than one out of four measurements are over 2000 ppm.

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Date	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm)	DO (mg/Ջ)	Turbidity (ppm)	Transparenc (cm)
1	71.79	24.7	8.1	465	7.6	1342	0.5
2	67.30	25.4	8.2	458	7.6	960	0.7
. 3	86.11	24.5	8.1	378	7.5	1302	0.7
4	70.86	24.9	8.2	368	7.4	693	1.0
5	72.51	24.6	8.2	416	7.5	552	1.3
6	73.01	24.8	8.2	426	7.6	595	1.2
7	113.93	24.5	8.1	421	7.7	2000+	0.0
. 8	104.30	26.6	8.2	390	7.4	894	0.5
9	94.67	25.5	8.2	392	7.4	1012	0.7
10	85.23	24.0	8.3	369	7.5	890	0.7
. 11	84.94	23.9	8.2	350	7.6	733	0.7
12	83.63	24.6	8.1	360	7.3	799	0.5
13	76.11	24.8	8.2	324	7.5	778	0.5
14	75.86	24.6	8.3	372	7.4	717	0.5
15	87.29	24.5	8.2	413	7.6	734	0.5
16	80.34	23.5	8.2	389	7.7	583	0.9
17	78.12	23.6	8.2	394	7.4	934	0.5
18	80.45	25.3	8.3	375	7.2	739	0.7
19	79.38	25.3	8.2	368	7.3	626	1.0
20	73.28	24.6	8.3	375	7.5	725	0.8
21	75.20	24.1	8.2	378	7.4	714	0.9
22		24.4	8.3	349	7.0	450	1.0
23	80.36	25.8	8.2	407	6.6	747	0.7
24	78.19	25.4	8.3	401	6.8	980	0.5
25	73.80	25.7	8.3	392	7.0	1291+	0.5
26	75.94	25.1	8.3	364	7.1	497	1.0
27	71,68	25.0	8.2	381	7.0	703	0.9
28	75,75	25.1	8.2	355	7.1	1001	0.5
29	74.75	24.9	8.2	396	7.4	1122	0.5
30		25.6	8.2	381	7.1	1201	0.5
. 31		25.2	8.2		7.1	870	0.5
Average of 1	~10 83.97	25.0	8.2	406	7.5	1070+	0.7
11	~20 79.94	24.5	8.2	372	7.4	737	0.7
21	~31 75.85	25.1	8.2	382	7.0	875+	0.7
Monthly Ave	rage 79,79	24.9	8.2	387	7.3	897+	0.7

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN JULY, 1984

+ : More than one out of four measurements are over 2000 ppm.

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	Date	Flow Rate (m ³ /s)	Water Temperature (°C)	рН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
	1	79.84	24.9	8.3	376	7.4	991	0.5
	2	90.43	24.6	8.2	360	7.4	740	0.5
	3	92.60	24.7	8.2	3,40	7.4	707	0.8
	4	77.89	24.5	8.2	368	7.3	669	0.9
	5	83.97	25.1	8.3	350	7.2	704	0.8
	6	106.05	24.6	8.3	322	7.1	419	1.8
	7	123.45	24.3	8.3	316	7.2	333	1.9
	8	106.48	24.4	8.3	315	7.2	399	1.4
	9	123.94	24.2	8.3	320	7.6	466	1.5
	10	104.14	24.6	8.3	315	7.3	529	1.4
·	11	93.27	27.4	8.3	332	7.4	581	0.9
	12	53.32	28.1	8.2	443	7.7	1453	0.5
	13	69.21	27.5	8.2	357	7.4	778	1.0
÷ *	14	88.43	27.0	8.2	358	7.1	681	0.7
	15	122.96	26.5	8.0	358	7.3	1938	0.5
	16	128.67	26.6	8.0	331	7.4	1529	0.5
1	17	272.61	25.3	7.7	340	8.0	2000+	0.0
	18	191.59	25.9	8.0	286	7.4	1362	0.5
	19	196.64	26.0	8.1	291	7.9	1173	0.5
	20	186.23	26.4	8.1	298	7.7	862	0.5
	21	166.10	26.8	8.1	298	7.4	767	0.5
	22	181.87	26.0	8.2	310	7.5	753	0.7
	23	173.94	26.0	8.3	309	7.5	753	0.7
1.1	24	160.01	26.9	8.1	308	7.2	737	0.7
	25	169.35	26.6	8.3	294	7.8	919	0.7
	26	126.85	26.4	8.1	273	7.4	596	0.9
1.1	27	201.81	26.6	8.0	246	7.5	567	1.0
	28	158.71	25.7	8.0	272	7.5	475	1.3
	29	2533.74*	24.5*	7.6*	180*	7.0*	2000*	0.0*
	30	1784.50	24.5	7.9	166	7.3	2000+	0.0
•	31	564.84	24.7	7.5	175	7.1	1284	0.5
verage	of 1~1	10 98.88	24.6	8.3	335	7.3	570	1.2
	11~2	20 140.29	26.6	8.1	326	7.6	1339+	0.5
	21~3	31 488.13	25.9	8.0	208	7.3	1481+	0.3
lonthly	Averag	ge 247.12	25.7	8.1	253	7.4	1312+	0.5

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN AUGUST, 1984

+ : More than one out of four measurements are over 2000 ppm.
* : An average of 3 measurements

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122

_	Date	Flow Rate (m ³ /s)	Water Tempera- ture (°C)	pН	EC (µS/cm)	DO (mg/Ջ)	Turbidity (ppm)	Transparency (cm)
-	1	564.26	25.9	8.0	211	7.3	895	0.5
	2	417.39	26.1	8.0	239 ·	7.5	704	0.7
	3	349.25	26.0	8.1	242	7.1	634	1.1
	4 '	419.12	26.2	7.9	221	7.4	680	0.8
	5	352.70	25.9	8.1	250	7.5	548	1.3
	6	303.93	26.2	8.0	231	7.3	285	2.2
	7	343.12	25.9	8.2	226	7.6	252	2.3
	8	180.97	26.2	8.1	236	7.6	178	3.0
	9	219.77	26.4	8.2	236	7.5	164	3.1
	10	172.65	26.6	8.3	235	7.2	174	3.0
	11	236.21	26.4	8.2	234	6.6	206	3.0
	12	108.29	26.5	8.1	260	6.7	144	3.8
	13	253.62	26.6	8.2	236	6.6	161	3.8
	14	133.69	26.2	8.1	266	7.3	130	4.2
	15	159.15	26.3	8.2	234	7.3	110	4.0
	16	148.50	26.6	8.1	259	7.6	139	3.2
	17	161.38	25.9	8.1	264	7.3	108	3.9
	18	140.16	26.0	8.2	282	7.2	129	3.5
	19	188.39	25.9	8.1	223	7.3	860	1.3
	20	141.44	26.3	8.1	271	7.2	218	2.3
	21	146.36	26.0	8.0	276	7.4	210	2.7
	22	136.03	26.0	8.1	282	7.6	218	2.6
	23	149.41	26.1	8.1	274	7.4	240	2.2
	24	115.40	26.1	8.1	277	7.4	245	2.0
· .	25	123.10	26.4	8.1	280	7.4	223	2.4
	26	148.78	26.9	8.0	269	7.3	502	1.3
	27	152.50	26.6	8.3	258	7.1	285	1.7
	28	150.52	26.4	8.0	264	7.1	735	1.2
	29	139.52	26.4	8.0	274	7.4	245	2.4
	30	135.52	26.5	8.1	304	7.1	323	1.5
	Average of 1–10	332.32	26.1	8.1	231	7.4	532	1.5
·	11-20	167.08	26.3	8.1	250	7.1	233	3.2
1997 a.	21-30	139.71	26.3	8.1	275	7.3	328	2.0
an in fi	Monthly Average	213.04	26.3	8.1	245	7.3	409	2.0

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN SEPTEMBER, 1984

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123

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Date	Flow Rate (m ³ /s)	Water Temperature (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
. 1	125.96	26.6	8.1	280	7.2	188	3.1
- 2	80.56	26.9	8.1	323	7.3	377	1.8
3	80.37	27.2	8.1	354	7.1	320	1.6
4	105.26	27.1	8.1	327	7.2	247	2.2
5	114.06	26.9	8.1	322	7.1	418	1.4
6	92.41	26.7	8.2	323	7.3	470	19
7	64.32	26.6	8.1	371	7.1	504	1.5
8	102.94	26.4	8.2	310	7.4	409	2.2
.9	91.67	26.7	8.2	349	7.2	647	1.1
10	92.80	27.4	8.1	355	7.2	220	2.9
	94.47	27.0	8.1	311	7.1	347	1.6
12	109.00	27.2	8.3	302	6.9	233	2.7
13	142.82	26.5	8,0	294	7.1	559	1.1
14	77.14	26.5	8.1	310	7.2	487	1.6
15	118.25	26.6	8.3	299	6.9	196	2.6
16	93.69	27.0	8.1	319	7.1	257	2.3
17	74.33	26.6	8.1	310	7.3	171	3.0
18	92.04	26.2	8.1	322	7.2	231.	2.7
19	78.06	25.2	8.1	341	7.5	333	2.1
20	66.95	25.4	8.2	388	7.3	840	0.5
21	39.84	25.2	8.1	379	7.6	670	0.9
22	60.53	24.9	8.2	409	7.5	1021	0.5
23	64.89	24.9	8.2	485	7.6	1846	0.5
24	78.28	25.8	8.1	479	7.1	1017	0.5
25	49.55	26.1	8.1	413	7.3	675	1.2
26	72.82	26.8	8.2	380	7.4	592	1.2
27	81.91	26.1	8.1	339	7.4	361	2.0
28	100.20	25.6	8.2	333	7.5	384	1.5
29	435.27	24.7	7.8	320	7.7	2000+	0.0
30	283.19	25.7	8.1	267	7.4	695	1.1
31	177.62	24.7	8.3		7.6	375	1.6
veraged 1-10	95.04	26.8	8.1	328	7.2	369	2,0
11-20	94.68	26.4	8.1	315	7.1	358	2.0
21-31	131.28	25.5	8.1	331	7.5	1085+	0.8
Ionthly Average	107.78	26.2	8.1	326	7.3	675+	1.5

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN OCTOBER, 1984

+ : More than one out of four measurements are over 2000 ppm.

124

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Date	Flow Rate (m ³ /s)	Water Tempera- ture (°C)	pН	EC (µS/cm)	DO (mg/Ջ)	Turbidity (ppm)	Transparency (cm)
1	123.97	25.3	8.2	278	7.7	349	1.5
2	143.60	26.0	8.1	275	7.5	328	1.7
3	145.06	26.0	8.2	269	7.6	233	2.3
4	160.04	26.3	8.2	267	7.3	287	2.1
5	137.72	26.0	8.2	299	7.3	220	2.3
6	120.62	26.2	8.3	283	7.4	213	2.6
7	81.69	26.4	8.2	320	7.3	298	2.0
8	65.88	27.0	8.2	382	7.1	462	1.5
9	78.13	26.3	8.1	365	7.2	315	2.0
10	65.00	25.8	8.2	395	7.2	479	1.5
.11	60.53	26.4	8.2	411	7.1	547	1.0
12	104.79	26.1	8.3	278	7.2	145	3.2
13	96.06	25.7	8.1	316	7.2	216	2.7
14	114.36	25.5	8.3	284	7.3	155	3.7
15	104.64	25.9	8.3	301	7.3	273	2.3
16	123.15	25.8	8.2	308	7.5	323	2.0
17	76.09	25.7	8.2	343	7.4	469	2.0
18	65.27	25.7	8.2	363	7.4	531	1.4
19	67.24	26.6	8.1	405	7.4	433	1.5
20	61.77	25.4	8.1	409	7.3	374	2.0
21	50.74	25.7	8.2	395	7.4	337	1.6
22	64.68	25.2	8.1	385	7.2	493	1.4
23	61.38	25.1	8.2	404	7.3	410	1.6
Average of 1-10	112.17	26.1	8.2	300	7.4	300	2.0
11-20	87.39	25.9	8.2	330	7.3	318	2.3
21-23	58.93	25.4	8.2	394	7.3	419	1.5
Monthly Average	94.45	25.9	8.2	320	7.4	317	2.1

DAILY AND MONTHLY AVERAGE OF THE WATER QUALITY AT FIXED POINT "E" IN NOVEMBER, 1984

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125

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Table B-30 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR DECEMBER, 1983

$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{rrrr} 1/3 \\ 1/3 \\ 2137 \\ 2137 \\ 2137 \\ 2137 \\ 2137 \\ 2137 \\ 213 \\ 2137 \\ 213 \\ $	17.3 31.87 40.79 25.41	Water Temp. (°C)	μđ	EC (μS/cm)	DO (mg/2)	Turb. (ppm)	SS (mg/2)	Cu (mg/g)	Zn (mg/2)	AS (mg/2)	Ca (mg/g)	Mg (mg/2)	CN (me/2)	SO4 (m ^{g/g})
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		40.79	27.1 25.4	8 8 8 8 9 8	410 460	6.1 °	+	1,400	<0.02	10.0>	0.0053	82	7.3		134
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \int_{11}^{2441} 2531 = 34 + 390 = 6.1 + 1.600 < 6.02 < 6.010 = 0.0023 = 300 + 55 = 5.4 + 1.731 = 25.3 = 3.70 = 6.8 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.1 + 1.731 = 25.3 = 3.50 = 6.3 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.1 + 1.731 = 25.3 = 3.50 = 6.3 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.1 + 1.731 = 25.3 = 3.50 = 7.2 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.2 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.2 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.2 + 1.700 < 6.022 < 6.010 = 0.0033 = 300 = 7.2 + 1.700 < 6.022 < 6.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 + 1.700 < 7.02 < 6.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.02 < 6.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 + 1.700 < 7.02 < 6.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 + 1.700 < 7.02 < 6.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010 = 0.0033 = 5.6 = 7.2 + 1.700 < 7.2 < 0.010$	75 41	26.3	00	440	6.3	+	1.900	<0.02	10-0/ V0-0/	0.0038	12	20 F	I	132
		00 VC	25.1	₩. •	390	6.1	+	1,600	<0.02	<0.01	0.0044	65	6.4	1	102
I3.81 23.6 8.2 5.3 6.3 7.1 3.0038 3.5 6.1 7.001 0.0038 1.5 5.0	I:8.11 25.6 5.5 7.5 7.5 7.00 0.0038 19 5.5 17.76 25.0 8.3 540 - + 1,700 <0.02 <0.01 0.0034 194 8.5 8.95 25.2 8.3 540 - + 1,700 <0.02 <0.01 0.0034 164 8.5 8.95 25.2 8.3 540 7.2 + 1,700 <0.02 <0.01 0.0034 164 8.5 8.95 25.2 8.3 560 6.3 + 1,700 <0.02 <0.01 0.0034 164 7.8 164 7.8 17 16 7.8 164 7.8 164 7.8 17 16 7.8 164 7.8 164 7.8 164 7.8 17 16 7.8 16 7.8 17 16 7.8 16 7.8 16 7.8 17 16 2.4 17 16 2.8 17 100 500 500 100 16 17	25.42	24.7	0 00 4 00	9440 370	6.8	+ 10	1,400	< 0.02	<0.01	0.0029	80	7.4	1	123
$ \begin{bmatrix} 1747 & 253 & 83 & 540 & - & + & 1700 & 7002 & 7001 & 00003 & 104 & 55 \\ 8 & 8 & 350 & 72 & + & 1700 & 7002 & 7001 & 00040 & 65 & 64 & - \\ 20.62 & 235 & 83 & 360 & 72 & + & 1700 & 7002 & 7001 & 00040 & 65 & 64 & - \\ 16.85 & 24.6 & 8.5 & 420 & 7.6 & + & 820 & 6002 & 6001 & 0.0048 & 56 & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.3 & + & 1,200 & 6002 & 6001 & 0.0043 & 53 & 65 & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & + & 820 & 6002 & 6001 & 0.0043 & 53 & 65 & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & 150 & 130 & 6.002 & 6.001 & 0.0043 & 53 & 65 & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & + & 820 & 6.002 & 6.001 & 0.0043 & 53 & 65 & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & 1.200 & 6.002 & 6.001 & 0.0043 & 53 & - \\ 17.14 & 24.9 & 8.2 & 310 & 7.2 & 150 & 130 & 6.002 & 6.001 & 0.0043 & - & - & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & 1.200 & 6.002 & 6.001 & 0.0043 & - & - & - & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & - & 1.200 & - & -& - & - & - \\ 17.14 & 24.9 & 8.2 & 400 & 7.2 & - & - & - & - & - & - & - & - & - & $	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	15.81	25.6	8.2	550	5.5	; ; +	000 1 300	20.02	10.02	0.0038	50	4 P	1	38
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	17.47	25.3	8.3	540		+	1.700	<0.02	10.02	0.0054	104	0 0 0 0		124
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	17.76	25.0	8.3	540	7.2	+	1,000	< 0.02	<0.01	0.0040	65	6,4	ŧ	1 1
74.6 8.5 420 7.6 8.2 400 50048 59 6.8 24.6 8.2 400 7.6 $+$ 820 6001 50049 52 6.3 24.9 8.2 400 7.6 $+$ 820 6001 50049 52 6.3 24.9 8.2 310 7.2 1.200 <0.02 <0.01 50043 52 6.3 7.2 1.200 52 6.3 7.2 7.2 1.2 7.2 1.2 7.2 1.2 7.2 1.2 7.2 1.2 7.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 1.2 6.2 7.2 1.2 6.2 7.2 1.2 1.2 6.2 7.2 1.2 8.2 7.2 1.2 7.2 1.2	16.85 24.6 8.5 420 7.6 $+$ 880 <0.02 <0.01 0.0048 55 6.3 17.14 24.9 8.2 400 7.6 $+$ 820 <0.02 <0.01 0.0049 55 6.3 19.78 22.7 8.2 400 7.5 $+$ 1.200 <0.01 0.0049 52 6.3 7.0 7.1 6.3 7.2 6.3 7.0 7.1 6.3 7.2 6.3 7.0 7.1 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 6.3 7.2 7.3 6.3 7.2 6.3 7.2 6.3 7.2 7.3 6.3 6.3 7.2 6.3 7.3 6.3 6.3 7.3 6.3 7.3 6.3 <td>8.95 20.67</td> <td>27.22</td> <td>e v</td> <td>360</td> <td>89 C</td> <td>+ ·</td> <td>170</td> <td><0.02</td> <td><0.01</td> <td>0.0032</td> <td>56.</td> <td>9.9</td> <td>ł</td> <td>100</td>	8.95 20.67	27.22	e v	360	89 C	+ ·	170	<0.02	<0.01	0.0032	56.	9.9	ł	100
17.14 24.9 8.2 400 7.5 $+$ $1,200$ 0.0041 52 6.5 1.2	17.14 24.9 8.2 400 7.5 $+1,200$ <0.015 600 7.2 120 <0.015 612 <0.015 612 <22 22 72 12 612 <201 60051 62 72 12 612 <0013 47 62 $=1$ 60051 620 72 12 622 <0013 612 622 722 6001 0.0043 612 622 722 6001 0.0042 72 622 72 622 72 622 72 622 72 622 72 622 722 6001 0.0042 71 653 72 62 72 62 72 62 72 72 62 72 6001 0.0042 71 638 72 72 620 72 620 72 620 72 620 72 72 620 72 72 620 72 72 72 72 72	16.85	24.6	8 S S	420	1.6	+ +	820	<pre>< 0.02</pre>	10.0V	0.0048	6	8.0	ł	96
13/78 25.7 8.2 310 7.2 150 130 60.02 <0.01 0.0013 47 6.2 $=$ 60 or observed analysis was taken at 11:00 $=$ <0.02 <0.01 0.0042 71 6.8 $=$	19.78 25.7 8.2 310 7.2 150 130 6.02 6.013 47 6.2 $=$ a for chemical analysis was taken at 11:00 $=$ <6.022 <0.01 0.0042 71 6.8 $=$	17.14	24.9	8.2	400	7.5	+	1,200	<0.02	10.0>	0.0061	-7 C 9 9	202	ÉŤ	102
For chemical analysis was taken at 11:00 $6.002 < 0.01 0.0042$ 71 6.8 $-1000 - 1000 -$	m for chemical analysis was taken at 11:00 10.0042 3.1 6.8	19.78	25.7	8.2	310	7.2	150	130	< 0.02	< 0.01	0.0013	47	6.2	1	73
0 the takes at 11:00	Or change and sease taken at 11:00	e					- -	• •	< 0.02	< 0.01	0.0042	71.	6.8	'i	66
		pie for chemical analy		at 11:00			۰. مین		125						
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Table B-31 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR FEBRUARY, 1984

Flow Rate Water Temp. pH EC DO (m ³ /s) (^a C) pH (μS/cm) (mg/2)	Turb. SS Cu Zn (ppm) (mg/2) (mg/2) (mg/2)	Zn As (mg/2) (mg/2)	Ca (mg/2) (Mg CN mg/2) (mg/2)	SO4 (mg/2)
31 26.4 8.0 59	6.9 + 1,400 0.01				175
.03 26.3 7.6 4	6.9 + 730 0.01			6.6 <0.01	114
6 8.1	7.2 + 810 0.01	Ŭ			111
.1 7.2	7.3 290 560 0.01	Ċ		÷	111
.15 25.8 7.6	7.7 460 1,000 0.01	<u> </u>			109
13.29 24.6 7.9	8.0 + 580 0.01	0			135
[4.83 26.9 8.5	7.3 + 360 0.01	Ő			125
5.57 26.7 8.4		Ŭ	86		153
12.73 26.6 8.0	6.1 + 420 0.01	Ç			126
12.14 27.2 8.4	6.1 + 430 0.01	Ő			113
15.44 26.9 8.1	6.0 480 290 0.01				- 33
10.36 27.1 8.2	6.5 850 1,200 0.01	Ċ			105
13.32 26.6 7.4	6.8 650 740 0.01				83
) 27.3 7.5	7.1 1,500 3,000 <0.01				137
7.2	7 4 800 860 0.01	Č			170
t.7 t	7.5 600 1,200 0.01				113
26.4 8.5	7.5 1,050 1,300 0.02				236
	7.9 950 1,200 0.01	0		•	114
25.2 8.6	8.0 980 1,400 0.01	0			102
	7.8 1,150 1,000 <0.01				126
14.07 26.7 8.1	7.4 2,000+ 1,100 <0.01				143
26.7	6.6 740 800 <0.01		. •		88
7 25.6	6.1 580 1,100 <0.01	0			66
25.5 7.2	6.6 1,290 0.11	0			201
	6.9 1,070 <0.01				112
.29 26.3 8.2	6.6 810 1,100 <0.01	0			06
	0.01 0.02	0.02 0.0044	81	7.3 0.01	125
17.36 24.6 8.8				•	
		<0.02 0.0054	182	13.0 0.01	529

Sampled at 11:00
 Over 500 ppm
 ** Sampled at 9:00 to check water of high EC

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Table B-32 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR MARCH, 1984

Date S	Sample No.	Flow Rate (m ³ /s)	Water Temp. (°C)	μd	EC (nS/cm)	DO (mg/2)	Turb. (ppm)	SS (mg/R)	Cu (mg/2)	Zn (mg/2)	AS (mg/2)	Ca (mg/2)	Mg (mg/2)	CN (mg/2)	SO4 (mg/2)
Mar. 1 E(E03012	94.76	26.1	8.3	350	7.4	210	ŀ	0.01	<0.02	0.0053	51	6.1	<0.01	65
ي ۲۹	503022°	12.44	25.3	83	420	7.4	800	,I ,	<0.01	<0.02	0.0039	57	7.2	<0.01	110
ы́ m	S03032*	16.39	27.8	8.4	470	6.9	1,400	T	<0.01	<0.02	0.0037	67	7.4	<0.01	135
4 E	03042	16.02	27.1	4 .8	590	7.0	850	1,200	<0.01	<0.02	0.0059	81	8.6	<0.01	168
S E	303052*	17.32	27.6	8.4	920	1.1	2,000	2,200	0.02	<0.02	0.0077	150	12.0	0.02	327
9 9	503062	13.70	27.3	8.4	820	8.2	2,000+	4,700	0.01	<0.02	0.0043	143	9.4	<0.01	321
ଲ -	03072*	15.40	29.7	8,4 8	670	1.0	1,400	1,500	0.01	<0.02	0.0059	107	14.8	<0.01	123
ы́ ∞	E03082*	14.44	27.9	8.2	540	-9°9	1,300	3,100	<0.01	<0.02	0.0052	19	6.8	<0.01	183
คี 6	:03092°	79.23	28.6	8.3	490	7.3	300	870	0.02	<0.02	0.0063	62	9.1	<0.01	123
10 E	03102	16.91	27.5	8.3	400	6.7	460	550	0.01	<0.02	0.0015	44	7.5	<0.01	83
II E	503112°	38.29	28.9	8.1	470	7.5	1,200	1,900	<0.01	<0.02	0.0040	61	8.9	<0.01	131
12 1	E03122	17.59	28.0	8.1	460	1.0	1,100	1,500	<0.01	<0.02	0.0045	56	6.1	0.02	108
13 E	E03132 °	41.49	29.4	8.0	580	6.8	2,000+	4,000	<0.01	<0.02	0.0059	82	8.1	0:02	179
14 E	03142*	25.02	28.1	8.0	460	7.1	460	680	0.01	<0.02	0.0044	49	6.5	<0.01	96
15 E	503152°	60.74	28.8	8.3	350	7.2	140	1:90	0.01	<0.02	0.0042	42	5.9	<0.01	71
16 E	E03162*	13.20	28.8	8.2	430	7.2	230-	240	0.02	<0.02	0.0038	49	6.6	<0.01	81.
17 E	E03172°	03.90	28.2	8.4	370	7.2	300	550	0.02	<0.02	0.0039	46	6.6	0.01	84
											•	:			
Monury	monunty Average								0.01	0.02	0.0047	62	2.6	10.0	118
1. 															

: Sampled at 11:00 : Sampled at 16:30-17:00

No data

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Table B-33 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR APRIL, 1984

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SO4 (mg/2)	. 16	202	68	87	101	118	132	138	118	139	116	105	105	74	95	92	141	143	87	I.	106	13	85	103	. 76	109	68	69	81	96				
CN (mg/l)	10.0 0.0 0 √	0.02	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.08	0.03	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.04	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	10.0>	¥0.01	<0.01	0.01				
Mg (mg/2)	6 8 7		6.8	6.9	9.9	6.9	1.2	1.8	1.9	8	1.3	1.1	6.8	6.2	6.7	6.8	7.2	7.2	6.7	7.7	6.8	5.9	6.9	7.6	6.5	7.8	6.4	6.4	6.4	6.9				
Ca (mg/R)	49	64	4	3:	54	58	68	65	62	61	61	52	49	39	54	48	64	66	52	11	55	44	54	59	50	57	42	42	47	52				
AS (mg/Q)	0.0033	0.0046	0.0038	0.0034	0.0048	0.0054	0.0041	0.0047	0.0046	0.0047	0.0052	0.0039	0.0029	0.0034	0.0035	0.0027	0.0033	0.0039	0.0018	0.0029	0.0056	0.0050	0.0029	0.0050	0.0034	0.0048	0.0031	0.0041	0.0036	0.0043				
Zn (mg/2)	0.030		<01010 >	0.010	<0.010	0.010	0.010	010:0>	<0.010	< 0.010	<0.010	<0.010	0.010	0.010	N.D.	<0.010	<0:010	< 0.010	0:014	<0.010	<0.010	<0.010	< 0.010	<0.010	<0.010	<0.010	0.010	0.010	0:010	0.006				
Cu (mg/2)	0.010	0100	01010	0.018	0.010	0.010	0.010	0.011	0.100	0.029	0.023	0.010	0.010	0.010	0.011	0.010	<0.005	0.005	0.022	<0.005	0.009	0.018	0.007	0:007	0.006	0.009	0.010	0.013	0.011	0.013	· .			
SS (mg/2)	110	100	241	170	130	S3	120	190	120	440	190	290	92.	360	79	110	850	1200	340	890	630	1100	300	910	250	870	130	280	230					
Turb. (ppm)	59. 24	5	48	140	67	29	78	170	59	650.	150	180	63	170	43	94	500	1100	240	950	270	450	.220	300	140	700	76	94	160					
DO DO	6,8 1-2			1 8 9 9	1.0	6.2	6.4	.6.7	7.1	6.5	6.6	7.3	7.3	7.1	7.3	7.0	6.8	6.7	- 1.7	7.0	7.5	6.8	7.1	6.6	6.8	7.5	6.7	7.1	7.1				÷	
EC (nS/cm)	440	044	420	420	480	520	540	490	530	. 550-	520	390	410	330	510	440	580	550	430	600	580	340	460	480	500	410	390	430	400					
 Нd	8.5 2.8	0 0	200	000	8.2	4	8.3	85	8.2	84	8.2	84	8.2	8.0	8.2	8.1	8.1	8.3	8.4	8.2	8.2	8.1	8.1	8.1	8.2	8.4	8.5	8.5	8.0					
Water Temp. °C	32.1		0	32.0	31.4	33.5	31.8	31.1	30.6	32.2	30.4	30.7	30.3	28.8	31.6	33.0	31.6	31.9	31.7	31.6	31.8	29.8	29.9	30.9	32.0	30.6	31.7	29.3	29.7			17:00		
Flow Rate (m ³ /s)	14.75	10.00	16.81	24.09	14.80	7.81	11.77	51.74	18.05	16.31	13.77	117.74*	15.80	22.65	13.21	7.70	12.66	25.30	11.92	6.92	14.73	125.57*	13.62	88.67*	13.00	110.46*	14.43	63.82	13.24		Samuled at 11.00	1	Data	By Float Method
Sample No.	E04012°	E04022	F04042	E04052°	E04062	E04072°	E04082*	E04092°	E04102	E04112°	E04122*	E04132°	E04142	E04152°	E04162	E04172°	E04182*	E04192°	E04202	E04212°	E04222	E04232°	E04242*	E04252°	E04262	E04272°	E04282°	E04292	E04302	· ••	- Sami	° Sami	- No. Data	* ByF
 Date		N P	ه ر	F VO	9) (-	co	5	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	U.C.	Monthly				

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Table B-34

Date	Sample No.	Flow Rate (m ³ /s)	Water Temp.	Hđ	EC (uS/cm)	DO (me/o)	Turb.	SS (mo/0)	Cu Cu	Zn	AS (ma/o)	Ca Ca	Mg	CN	SO4
	1050100			~ ~	1	1~ Iam).	1	(* 191.*)	(×/911)	(x/811)	(אוזא)	VIER X)	(x/gm)	(x/gm)	(mg/k)
	EU2012	01.21	28.4	8.2	550	7.5	190	290	0.012	0.010	0.0030	60	7.4	<0.01	122
7	E05022	15.01	30.6	8.2	580	7.2	150	340	0.010	0.010	0.0047	72	8.3	< 0.01	136
, N	E05032°	79.11	29.2	8.4	480	7.6	1200	1900	0.006	0.010	0.0045	57	7.5	<0.01	101
4	E05042	11.56	32.4	8.0	460	6.6	200	340	0.006	0.010	0.0033	55	6		113
ŝ	E05052°:	21.53	30.7	8.4	510	6.6	700	1200	0.015	0.010	0.0034	61	69	10.02	123
Q	E05062	17.62	30.7	84	490	7.4	300	490	0.060	0.010	0.0043	5	i V	1002	15
	E05072°	52.25	30.7	8.2	520	6.9	2000	3800	0.007	<0.010	0.0046	202	1.2	10.02	157
œ	E05082	12.45	32.6	8.3	560	6.6	780	880	0.006	0.010	0.0054	11	0 1		171
с ,	E05092°	84.96	30.8	8.5	380	7.2	220	550	600.0	0.010	0.0059	65	;		114
10	E05102	18.26	31.9	7.8	420	6.4	800	970	<0.005	0.007	0.0029	47	6.3	10.0>	00
1	E05112°	78.48	31.4	8.2	350	7.0	320	- 064	0.039	0.007	0.0051	53	1.1	0.05	,
12	E05122°	22.43	30.8	8.1	420	6.8	1700	1500	0.006	<0.005	0.0042	46	1.0	0.01	96
(n) 	E05132°	58.34	31.4	8.1	450	6.6	2000+	3800	<0.005	<0.005	0.0048	67	1.7	<0.01	135
41	E05142	16.66	31.0	8.0	500	6.7	2000+	3000	0.006	0.005	0.0058	10	8.4	0.02	149
	E05152°	81.80	31.5	8.1	390	7.3	910	1700	0.020	0.005	0.0047	51	6.7	0.01	102
16	E05162	14.91	32.4	0.8	470	7.0	950	1200	<0.005	0.005	0.0031	63	7.5	<0.01	123
17	E05172°	47.24	31.5		600	6.8	1400	2200	0.024	0.007	0.0037	93	8.6	<0.01	180
8.4	E05182	31 40	30.7	8.1	450	6.9	2000+	2300	0.008	<0:005	0.0037	51	7.0	0.02	119
19	E05192°	90.85	31.0	с 00	330	7.2	260	480	0.010	<0.005	0.0042	80	6.4	<0.01	62
50	E05202	30.54	28.8	8.5	420	6-6	440	720	0.006	<0.005	0.0022	47	7.4	<0.01	92
51	E05212°	72.76	28.7	83	360	7.2	290	930	0.008	<0.005	0.0044	40	6.2	<0.01	68
22	E05222	22.68	27.1	8.5	430	7.2	1800	1500	0.005	<0.005	0.0023	53	7.4	10.0>	110
5 T	E05232°	88.61	27.4	 8	440	7.3	200	960	0:030	0.008	0.0045	52	7.2	<0.01	103
44	E05242	18.70	28.6	8.3	520	6.9	1400	1600	0.006	0.018	0.0031	64	7.4	<0.01	139
3	E05252	73.71	29.4	8 4	470	7.0	640	1200	0.008	0.006	0.0046	68	7.6	<0.01	138
707	E05262	15.59	29.7	~	520	7.2	1500	1700	0.008	<0.005	0.0027	60	7.2	<0.01	120
27	E05272°	59.71	30.0	4	460	7.0	910	1500	0.006	<0.005	0.0032	, 64	6.6	<0.01	103
28	E05282	50.32	28.3	0	400	6.9	380	730 -	0.007	<0.005	0.0038	37	5.8	<0.01	59
29	E05292°	88.38	29.1	8 2	300	7.4	190	190	0.007	<0.005	0.0037	42	6.3	<0.01	74
30	E05302*	52.23	27.3	*	350	7.4	810	650	0.010	<0.005	0.0037	37	5.6	<0.01	58
31	E05312°	98.39	29.3	9 8 8 0	390	7.2	230	450	0.007	<0.005	0.0028	46	6.3	10.0>	41
Monthly	ly Average								0.012	0.005	0.0041	53	1.0	0.01	104
	• Samı	Sampled at 11:00				-					1				
	Sam	Sampled at 16:30-1	17:00		: .		•			• ••					
	* By 11	By float method	: 	•											

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	SO4 (mg/l)	59	67.	85	11	54	63	50	73	86	92	111	110	136	84	12:	72	130	103	78	61	83	62	- 86	104	130	109	103	106	118	83	89
	CN (mg/2)	<0.01	0.01	<0.01 <	<0.01	<0.01	<0.01	0.03	<0.01	10.0≻	<0.01 	<0.01	<0.01	<0.01	<0.01	<0.01	₹0.01	10.0≻	<0.01	<0.01	10.0>	<0.01	0.04	10.0>	<0.01	<0.01	0.05	0.06	<0.01	0.10	<0.01	0.02
	Mg (mg/2)	5.3	6.4	6.5	6.3	5.9 .	6.0	6.2	7.0	7.4	7.0	7.2	1.6	7.8	1.2.	6.6	7.0	8.6	6.8	7.0	5.5	7.2	5.8	6.4	6.4	7.4	. 6.3	5.2	5.9	5.7	5.0	6.3
	Ca ⁻ (mg/2)	41	44	49	46.	40	42	36	42	4 8	52	58	56	62.	50	46	74 7	60.	50	44	42	46	44	51	49	81	53	49	58	55	41	49
	AS (mg/2)	0.0033	0.0025	0.0043	0.0037	0.0032	0.0032	0.0041	0.0037	0.0046	0.0028	0.0038	0.0035	0.0035.	0.0030	0.0032	0.0035	0,0045	0.0043	0.0039	0.0032	0.0034	0.0030	0.0030	0.0029	0.0020	0.0019	0.0030	0.0029	0.0028	0.0025	0.0032
	Zn (mg/2)	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0:005	0.003
	Cu (mg/2)	0.008	0.007	0.018	0.005	0.010	0.010	0.037	0.007	0.008	0.007	0.006	0.006	0.006	0.008	<0.005	0.007	0.006	<0.005	<0.005	<0.005	<0.005	0.057	<0.005	<0.005	<0.005	0.057	0.059	0.008	0.081	0,006	0.018
۰.	SS (mg/2)	290	180	460	770	390	260	180	350.	580	1000	1600	520	1900	910	530	550	480	1300	740	1500.	1900	980	2100	2200	2400.	2400	3100	2400	3300 -	2000	
	Turb. (ppm)	220	120	140	460	200	180	94	380	290	1000	1200	590	1200.	690	280	340	350	300	390	890	850	750.	1200	1700	1900	1300	1600	1400	1800	1100	
	DO (mg/2)	7.1	7.0	7.0	6.9	7.4	7.1	7.4	7.2	7.0	7.1	7.1	7.2	7.0	6.8	7.4	7.4	6.8	6.9	7.2	6.9	7.4	6.9	7.1	1.7	7.5	7.1	7.1	7.2	7.3	7.8	
	EC (#S/cm)	340	400	380 .	350	320	310	300.	390.	360	420	420	430	460	380	350	360	480	400	360	380-	360	440	580	390	870	410	400	480.	430	360	
	Hd	8.3	8.2	8.3 8	8.2	8:2	8 2	8.3	8.2	8.2	8.1	8.2	8.1	8.2	8.2	8.2	8.1	8.0	8.0	8.1	8.2	8.2	8.2	8.0	8.1	6.1	8.2	8.0	8.2	8.2	8.2	
•	Water Temp. (°C)	30.2	30.2	30.0	28.2	28.8	28.3	28.2	28.8	29.5	28.8	29.9	28.6	29.4	28.3	27.5	26.2	27.9	26.1	27.4	27.3	26.9	25.8	25.7	25.4	25.7	25.2	25.5	27.0	25.9	25.8	
	Flow Rate (m³/s)	93.50*	14.66	55.75	70.39	96.53*	30.69	91.25*	29.24	78.05*	17.64	49.36	13.98	53.22	55.70	49.99	57.23	20.64	64.91	43.83	60.83	49.09	61.98*	71.59*	89.35*	70.93	86.66	97.36*	84.39	85.89	99.87	
	Sample No.	E06012°	E06022	E06032°	E06042*	E06052°	E06062	E06072°	E06082 [•]	E06092°	E06102°	E06112°	E06122	E06132°	E06142	E06152°	E06162	E06172	E06182°	E06192*	E06202°	E06212	E06222°	E06232*	E06242°	E06252*	E06262°	E06272	E06282°	E06292*	E06302°	y Average
	Date	1	7	m	4	S	9	7	~	6	10	11	12	13	14	15	16	11	18	19	20	21	52	23	24	25	26	27.	28	29	30	Monthl

Sampled at 11:00 Sampled at 16:30-17:00 By float method

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Table B-35 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR JUNE, 1984

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FIXED POINT	
FIXED	
B-36 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR JULY, 1984	
OF THE FIL	
 ANALYSES	
CHEMICAL	
Table B-36	

Date Sample No. Flow Rate (m/4) Water Temp. (mg/4) FL D() Turb. (mg/4) Turb. (mg/4) Mater Temp. (mg/4) Mat	_@	_	1.01		ċ		~	. ~		~	~	~	7	10		C'	æ	~	C	~		5	~	10		•••	<u>ر</u> م	÷	<u>۴</u>		ι. Γ			
Sample No. Flow Rate Termp. PH EC DO Turb. SS Cu Zn As Ca Mag Ca Ca Mag Ca Ca Mag Ca Ca <thca< th=""> <thca<< td=""><td>SO4 (mg/2)</td><td>=</td><td>101</td><td>×</td><td>90</td><td>9</td><td>1</td><td>145</td><td>1</td><td>9</td><td>8</td><td>8</td><td>1</td><td>76</td><td>75</td><td>11</td><td>9</td><td>100</td><td></td><td>200</td><td>8</td><td>9</td><td>5</td><td>9</td><td>6</td><td>101</td><td>ŏ</td><td>7</td><td>7</td><td>2</td><td>õõ</td><td>ò</td><td>8</td><td></td></thca<<></thca<>	SO4 (mg/2)	=	101	×	90	9	1	145	1	9	8	8	1	76	75	11	9	100		200	8	9	5	9	6	101	ŏ	7	7	2	õõ	ò	8	
Sample No. Flow Rate Water Temp. FL DO Turb. SS Cu Zn As Ca B07012* 75.45 7.45 7.9 1300 2600 0.018 0.0033 43 E07012* 75.45 7.9 1300 2600 0.018 0.0035 43 E07012* 75.45 7.9 1300 1600 0.035 0.0035 43 E07032* 70.82 24.1 8.0 350 7.1 570 1000 0.035 0.0033 43 E07002* 17.16 6.0 9.00 0.018 0.003 0.0034 44 E07002* 17.16 8.0 570 1000 0.035 0.0034 44 E07002* 17.16 6.0 9.00 0.0035 44 E07002* 0.017 0.035 0.0034 44 44 E07002* 0.017 0.01 1000 0.0035 44 44	CN (mg/g)	0.11	0.01	0.06	0.03	0.05	0.03	0.04	0.02	0.06	0.03	0.07	0.06	0.15	<0.01	<0.01	<0.01	60:0	0.02	0.06	<0.01	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	0.06	V0.01	0.04	<0.01	0.08	0.04	
Sample No. Flow Rate (m1/s) Water (C) FH EC DO Turb. (mg/s) SS Cu Zn As C07022* 73-45 7-9 4-0 (m2/s) (m2/s) (m2/s) (mg/s) (mg/s) <td< td=""><td>Mg (mg/2)</td><td>6.5</td><td>6.3</td><td>6.2</td><td>6.0</td><td>6.2</td><td>6.8</td><td>6.8</td><td>6.4</td><td>74</td><td>6,6</td><td>7.0</td><td>6.9</td><td>7.0</td><td>6.6</td><td>6.7</td><td>6.5</td><td>7.0</td><td>6.5</td><td>6.7</td><td>6.5</td><td>6.8</td><td>6.4</td><td>6.4</td><td>6.8</td><td>6.5</td><td>6.5</td><td>6.2</td><td>6.2</td><td>64</td><td>6.1</td><td>6.3</td><td>6.6</td><td></td></td<>	Mg (mg/2)	6.5	6.3	6.2	6.0	6.2	6.8	6.8	6.4	74	6,6	7.0	6.9	7.0	6.6	6.7	6.5	7.0	6.5	6.7	6.5	6.8	6.4	6.4	6.8	6.5	6.5	6.2	6.2	64	6.1	6.3	6.6	
Sample No. Flow Rate (m ³ /s) Water Temp. PH FL DO Turb. (m ³ /s) SS Cu Zn E070012* 75.45 24.5 7.9 420 8.0 1300 2600 0.095 <0.005	Ca (mg/2)	52	48	44	43	47	4	66	44	54	46	42	46	.48	46	46	40	50	48	48	48	54	42	50	50	52	44	44	43	4 74	45	46	47.	
Sample No. Flow Rate Water Temp. PH EC DO Turb. SS Cu E07012* 7:45 2:45 7.9 4:20 8:0 1300 2600 0.095 E07032* 65:45 2:45 7.9 4:20 8:0 1300 2600 0.095 E07032* 65:45 2:45 8:2 350 7.9 4:00 9:00 0.005 E07052* 77.39 2:47 8:2 350 7.9 570 1000 0.035 E07052* 77.39 2:47 8:2 350 7.1 6:00 0.035 E07052* 77.39 2:47 8:2 3:00 7.1 6:00 0.035 E07052* 77.39 2:47 8:2 3:00 7.1 6:00 0.035 E07132* 10:07 2:54 8:2 3:50 7.2 4:40 9:00 0.005 E07132* 7:066 2:553 8:1 3:50	As (mg/2)	0.0030	0.0029	0.0025	0.0031	0.0030	0.0034	0.0014	0.0034	0.0026	0.0025	0,0045	0.0032	0.0021	0.0034	0.0025	0.0031	0.0025	0.0028	0.0031	0.0034	0.0034	0.0040	0.0029	0.0038	0.0032	0.0036	0.0039	0.0034	0.0036	0.0037	0.0034	0.0031	
Sample No. Flow Rate Temp. pH EC DO Turb. SS E071012* 75.45 7.55 1000 1900	Zn (mg/2)	<0.005	<0.005	<0.005	<0.005	<0.005	0.007	<0.005	<0.005	<0:005	<0.005	<0:005	<0.005	<0,005	<0.005	<0:005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0:005	<0.005	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	0.003	
Sample No. Flow Rate Water Temp. pH EC DO Turb. E07012* (m ³ /s) (m ³ /s)	Cu (mg/g)	0.095	0.018	0.052	0.038	0.058	0.024	0.029	0.013	0.055	0:028	0.060	0.054	0.130	<0.005	0.005	0.009	0.090	0.027	0.075	0.010	0.014	0.014	<0.005	0.017	0.005	<0.005	0.057	0.027	0.052	0.005	0.070	0.036	
Sample No. Flow Rate Water Temp. pH EC DO E07012* 75.45 24.5 7.9 420 8.0 E07012* 75.45 24.5 7.9 420 8.0 E07012* 75.45 24.5 7.9 420 8.0 E07022* 75.45 24.7 8.0 350 7.9 E07032* 90.82 24.7 8.0 350 7.9 E07042* 713.61 23.9 8.0 350 7.1 E07052* 773.61 23.9 8.0 360 7.0 E07052* 713.61 23.4 8.2 380 7.1 E07092* 110.72* 23.9 8.0 500 7.2 E07132* 771.3 23.3 800 7.0 7.2 E07132* 71.12* 25.4 8.2 370 7.2 E07132* 77.5 24.3 8.2 370 7.2 E07132* 77.6 2	SS (mg/2)	2600	1900	1800	1000	940	860	6500	1600	2500	880	940	1200	1300	950	1100	640	1800	1000	1400	066	1800	680	1500	1500	2000	880	1300	1100	1600	1700	1700		
Sample No. Flow Rate (m ⁵ /s) Water Temp. PH EC E07012* 75/45 24.5 7.9 420 E07022* 6532 24.5 7.9 420 E07032* 60032* 7.5,45 24.5 7.9 420 E07052* 67.45 24.7 8.2 380 380 E07052* 77.39 24.7 8.2 380 380 E07062* 77.39 26.1 8.2 380 380 E07092* 77.39 26.1 8.2 380 380 E07102* 77.39 26.4 8.2 380 370 E07102* 77.39 26.4 8.2 360 370 E07112* 70.66 25.4 8.2 360 370 E07112* 70.66 26.3 8.2 360 370 E07112* 74.6 8.3 370 823 360 E07112* 74.6 8.3 370 <td< td=""><td>Turb. (ppm)</td><td>1300</td><td>1000</td><td>1300</td><td>570</td><td>600</td><td>440</td><td>2000+</td><td>750</td><td>1400</td><td>620</td><td>630</td><td>810</td><td>820</td><td>650</td><td>760</td><td>290</td><td>1000</td><td>690</td><td>640</td><td>440</td><td>920</td><td>360</td><td>910</td><td>850</td><td>1500</td><td>610</td><td>850</td><td>950</td><td>1300</td><td>960</td><td>1000</td><td></td><td></td></td<>	Turb. (ppm)	1300	1000	1300	570	600	440	2000+	750	1400	620	630	810	820	650	760	290	1000	690	640	440	920	360	910	850	1500	610	850	950	1300	960	1000		
Sample No. Flow Rate Water Temp. pH E07012* (ms/s) (ms/s) pH E07012* 75.45 24.5 7.9 E07022* 65.28 26.2 8.2 E07052* 73.50 24.5 8.2 E07052* 77.39 24.7 8.2 E07052* 77.39 24.7 8.2 E07052* 77.39 24.7 8.2 E07062* 77.51 25.4 8.0 E07022* 77.51 25.4 8.0 E07102* 77.39 24.7 8.2 E07102* 77.61 25.4 8.3 E07112* 70.66 25.2 8.3 E07112* 70.66 25.3 8.3 E07112* 70.66 25.3 8.3 E07112* 74.6 25.3 8.3 E07112* 73.4 25.3 8.3 E07112* 70.66 25.3 8.3 E07112* 73.4 25.4 8.3 E07132* 74.6 24.3 8.	DO (mg/g)	8.0	r S	1.9	7.0	1	7.5	7.5	7.0	1.0	1.2	7.6	7.0	7.3	7.3	7.7	2.9	7.5	6.9	7.1	1.2	1.2	6.8	1.1	6.4	7.0	7.1	6.9	6.7	6.9	2.0	7.4		
Sample No. Flow Rate Water Temp. E07012* 75.45 7.5.45 E07012* 75.45 24.5 E07022* 63.28 26.2 E07032* 90.82 24.7 E07042* 77.39 24.7 E07062* 77.39 24.7 E07062* 77.39 24.7 E07062* 77.39 24.7 E07062* 77.39 24.3 E07102* 82.22 24.3 E07112* 70.09 26.1 E07112* 92.02 24.3 E07112* 70.66 25.3 E07112* 92.02 26.3 E07112* 70.66 25.3 E07112* 74.6 25.3 E07112* 71.35 25.3 E07112* 71.35 25.3 E07112* 74.6 25.3 E07132* 73.45 25.6 E07132* 71.35 26.3 E07222* 74.46 25.	EC 'uS/cm)	420	390	350	360	380	380	500	350	400	350	350	360	360	350	370	340	400	360	. 360	340	390	340	370	380	380	360	350	350	380	360	380		.
Sample No. Flow Rate Water E07012* 75.45 24 E07012* 75.45 24 E07022* 69.82 26 E07052* 73.51 23 E07052* 90.82 24 E07052* 73.51 23 E07052* 73.61 23 E07052* 73.61 23 E07062* 73.61 23 E07102* 92.02 24 E07112* 73.61 23 E07112* 74.65 23 E07212* 74.65 23 E07232* 72.46 24 E07232* 73.61 23 E07232* 72.46	, Hq	7.9	8.2	8.0	8.2	8,2	8.3	8.0	8.2	8.3	4	8.2	8.2	8.1	8.3	8.2	8.3	8.2	8.3	8 7.2	8.3	8.2	8.3	8.3	8.3	8.9	8.3	8.2	8.2	8.2	8.2	8.3	and the second	
Sample No. Flow Rate E07012* Tow Rate E07012* 75.45 E07022* 63.545 E07022* 63.545 E07032* 60.62 E07052* 73.61 E07052* 71.39 E07072* 63.28 E07092* 77.39 E07102* 90.82 E07102* 77.39 E07102* 77.39 E07112* 77.39 E07112* 77.36 E07112* 70.66 E07113* 70.66 E0713* 70.66 E07132* 70.66 E07132* 70.66 E07132* 70.66 E07132* 70.66 E07132* 74.6 E07132* 70.66 E07132* 70.66 E07132* 70.66 E07132* 70.66 E07132* 70.66 E07132* 70.66 E07232* 70.66 E07		24.5	26.2	24.7	26.1	24.7	25.4	23.9	27.1	26.3	24.3	24.9	26.8	25.2	26.3	23.4	23.4	22.9	27.6	25.8	25.9	25.0	26.1	24.7	26.8	24.2	26.5	24.6	26.3	24.6	26.7	25.6		
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Flow Rate (m ³ /s)	75.45	68.28	90.82	70.09	77.39	73.61	111.77*	110.72*	92.02	82.22	95.25	78.01	70.66	74.30	88.54	92.53	82.81	87,46	73.47	66.71	72.22	83.53	81.60	78.08	72.39	75.54	67.40	75.45	78.49	71.35	69.42		+ 11 -00
Monthly	Sample No.	E07012	E07022°	E07032*	E07042°	E07052*	E07062°	E07072*	E07082°	E07092	E07102°	E07112	E07122°	E07132	E07142°	E07152	E07162°	E07172	E07182°	E07192	E07202°	E07212*	E0722°	E07232	E07242°	E07252	E07262°	E07272	E07282°	E07292	E07302°	E07312	Average	 Complete
	Date	r.	6	'n	4	ŝ	ø	t-	60	<u>م</u>	10	11	12	13	4	15	16	17	100	6	20	71	55	23	24	25	26	27	28	29	30	31	Monthly	

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	CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR AUGUST, 1984	
	Table B-37	

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Date	Sample No.	Flow Rate (m ³ /s)	Water Temp. (°C)	Hđ	EC (uS/cm)	DO (mg/g)	Turb. (ppm)	SS (mg/2)	Cu (mg/g)	(a/gm)	AS (mg/g)	(mg/2)	mg(x)	(mg/2)	(mg/g)
	FORDTO.	101.02	25.9	8.3	380	7.2	900	1400	0.020	<0.005	0.0028	4	6.3	0.01	16
• •	F08020	84.38	24.6	8.2	360		650	2100	. 0.015	<0.005	0.0033	40	6.4	0.01	84
1 (F08032*	106,19*	25.3	8 2	310	7.2	650	630	0.014	<0.005	0.0034	34	6.1	0.01	54
14	FD8042°	77-00	25.3	8 2	340	7.2	810	1400	0.007	<0.005	0.0022	43	6.5	<0.01	84
r v	F08050	85.10*	25.9	8	370	7.1	620	920	0.006	<0.005	0.0030	42	6.2	<0.01	66
- - -	FURNE?	114 50*	24.8	2 2	300	7.0	340	660	0.005	<0.005	0.0034	40	5.9.	<0.01	59
- 1 C	F08072	1 2 2 4 7 *	24.7	4	300	7.3	260	580	0.012	<0.05	0.0034	38.	5.8	<0.01	58
- 0	FURDR2	109.93*	24.4	83	340	7.9	360	820	0.170	0.005	0.0037	43.	6.3	0.21	73
ġ	F0809.	135.40*	24.7	8 4	310	8.0	220	530	0.007	0.006	0.0042	36	5:7	0.02	52
n c	F08107	*77 CO	55.2	8	930	7.4	700	1000	0.130	0.005	0.0023	42	6.4	0.14	63
	101001	27.47	27.8	000	340	7.1	420	780	0.005	0.005	0.0043	42	6.3	<0.01	65.
10	E081330	24.67	28.2	6	440	00 L	1300	2000	<0.005	0.005	0.0034	59	5.9	<0.01	122
1 0	F00127	*00.00	27.02	100	300	5	380	950	0.013	<0.005	0.0042	38	5.6	0.01	54 24
	FU8147º	03.87	26.7	200	390	1.0	1300	1800	<0.005	<0,005	0.0041	54 24	6.6	<0.01	103
	1001 50	162.18*	26.8	0	350	7.3	1900	3400	0.032	<0.005	0.0020	49	5,5	0.05	06
24	FOR1670	103 46*	26.6		340	4	1600	2200	0.035	<0:005	0.0020	46	6.2	0.11	84
21	E08130	*85 PUS	25.6	o c	290	8.1	2000+	2700	0.006	<0.005	0.0020	37	5.6	0.01	73
- 0	F08187°	184.67*	26.5	80.8	290	7.6	1300	1500	0.015	<0.005	0.0021	39	5.8	0.02	68
	F08107	*12 021	26.2	0	290	7 8	1300	2300	0.011	<0.005	0.0022	41	6.1	0.02	71
	F08002	161 191	26.7	0.8	280	7.9	880	1500	0.015	<0.005	0.0017	40	6.1	0.02	68
2 5	F08010	165 61*	27.8	~	290	6.8	740	930	0.016	<0.005	0.0024	40	6.0	0.03	66
10	FU82220	171 27*	26.2	- -	310	7.4	850	1500	0.009	<0.005	0.0021	43	6.3	0.01	73
4 6	F08737	175 79*	26.5	8	290	71	680	730	0.017	<0.005	0.0022	40.	6.2	0.03	61
	F08747°	1 4 3 4 4 *	26.8	81	290	L L	710	1300	0.040	<0.005	0.0022	41	6.3	0.05	49
5 4 6	F08252	134.61 *	27.3	60	280	7.9	900	1400	<0.005	<0.005	0.0047	39	5.8	10.0>	55
y c	F08762°	111:68*	26.5	8.1	260	7,0	650	1200	0.013	0.012	0.0040	35	5.7	0-02	4
5	F08770	223.07*	27.3	8.1	250 .	7.7	420	880	0,008	0.005	0.0029	33	5.5	V0.01	4
- 26 - 16	F08282°	160.25*	25.5	0.3	260	7.5	500	1100	0.012	<0.005	0.0022	35	5.5	0.01	51
00	E08292	2472.62**	24.4	1.7	180	6.8	2000+	5000:	0.005	<0.005	0.0025	53	4 vi e	10.02	70
30	E08302°	1588.16**	24.5	7.8	170	7.0	2000+	3100	0.011	0.005	0.0012	27	4.		5 r 7
31	E08312*	463.87**	25.1	7.7	200	7.4	1200	3100	0.010	<0.005	0.0012	52	4 v X +	10.02	51 47
Mont	Monthly Average			: *					0.014	0.003	0,0025	۲¢	1.0	*0.0	
	-														

Sampled at 11:00
 Sampled at 16:00-17:00
 By float method
 ** By float method
 The section area is forecast without measuring the depth.

Table B-38 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR SEPTEMBER, 1984

CC) Pr. (µS/cm) (mg/8) (ppm) 6.5 8.0 230 7.3 880 5.6 8.0 230 7.3 880 6.2 8.0 230 7.3 650 6.6 8.0 230 7.3 650 6.10 6.3 8.0 280 6.4 610 6.3 8.0 280 7.4 490 610 6.3 8.1 220 7.4 290 7.4 290 7.0 8.3 250 7.7 230 7.5 230 7.0 8.3 250 7.7 150 600 6.0 8.2 220 7.7 150 600	(mg/g) (mg/g) (mg/g) 800 0.006 640 640 640 640 640 640 640 640 640 640 640 640 6012 260 0.013 260 0.013 2710 0.013 260 0.013 2112 260 0.013 2112 0.012 2112 0.012 1120 0.012 1120 0.012 1120 0.012 1120 0.012 1120 0.012 1120 0.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 10.012 1120 1120 1120 1120 1120 1120 1120 1120 1120 1120 1120 1120 1120	(mg/2) (5 0.01 (<0.005 (<0.005 (<0.005 (mg/2) (mg/2)	(mg/g) (mg/g)	(or and the second seco
8.0 8.2 8.2 8.0 8.1 2.2 8.3 2.5 0 7.7 7.4 2.5 0 7.7 7.5 2.5 0 7.7 7.5 2.5 0 7.7 7.5 2.5 0 7.7 7.5 2.5 0 7.5 2.5 0 7.5 2.5 0 7.2 2.5 0 7.3 2.5 0 7.3 2.5 0 7.3 2.5 0 7.3 2.5 0 7.2 8 8 8 1 2.2 0 7.2 8 7.2 8 7.2 8 7.2 8 7.2 8 7.2 7.2 8 8 8 7.2 2 8 0 7.2 8 7.2 7.2 8 7.2 7.2 8 7.2 7.2 7.2 8 7.2 7.2 8 7.2 7.2 7.2 7.2 7.2 7.2 8 7.2 7.2 7.2 7.2 7.2 7.2 8 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2 7.2		 0.01 <0.005 <0.005 <0.005 <0.005 	00.64 42		_
8.2 280 8.0 280 8.4 220 8.1 220 8.1 220 8.3 250 7.7 7.4 2.5 7.7 7.4 7.5 7.5 7.7 7.5 7.5 7.7 7.5 7.5 7.7 7.5 7.5		<pre><0.005</pre> <pre></pre>			33
8.0 280 6.4 8.4 220 7.8 8.1 2260 7.4 8.1 220 7.4 8.3 250 7.7 7.5 220 7.7 7.5 7.7 7.6 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 7.7 7.8 8 7.7 7.8 8 7.7 7.8 8 7.7 7.8 8 7.7 7.8 8 7.7 7.8 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 8 7.7 7.8 7.7 7.8 7.8		<0.005 (JU13 26	-	36
220 260 230 230 230 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8		<0.005 (012 30	5.9 <0.01	37
260 220 230 250 7.7 220 7.7 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8 7.8			27 27		40
220 230 7.7 250 7.7 7.8 7.8 7.8		<0.005 (0 (C
230 7.5 250 7.7 220 7.7		<0.005			3%
7.7		0.005		5.5	41
7.8		0.005		6.2 0.01	. 75
		2000			10
р С					6 ç
240 66				-	0 0
49					0 r 7
230. 6.3		0002			- c t ~
280 6.6				-	14
220 7.0		<0.005			, Y
260 7.1		<0.065			55
260 7.4		<0.005	0015 32		45
. 6.6		<0.005			22
110 7.1	•	<0.005			55
270 7.2		<0.005 (56
280 7.3		<0.005			54
7.4		0.005			64
270 7.4		<0.005 (58
300 7.3		0.005			-99
300 7.4		0.005			10
270 7.2		0.005			62
260 7.2		0.006		-	53
280 6.9		<0.005		1.	62
270 7.4		<0.005			1 00 7 T
7.0		0.006			79
•	: .	0.004	0.0019 33	5.7 0.02	48
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Table B-39 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR OCTOBER, 1984

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Date	Sample No.	Flow Rate (m ³ /s)	Water Temp. (°C)	μd	EC (uS/cm)	DO (mg/2)	Turb. (ppm)	SS (mg/2)	Cu (mg/2)	Zn (mg/2)	As (mg/2)	Ca (mg/g)	Mg (mg/2)	CN (mg/g)	SO4 (mg/2)
(E10012	103.92	26.3	8.2	270	4.1	190	330	<0.005	<0.005	0.0027	4	5.6	0.01	\$5
N (01	E10022	45.19 65.19	272	0 0 0 0	300	+ - F	002	070	0.040 <0.005	<0.005	0.0018	4 4 7 0	4 0 9 4	20-02 < 0.01	08
) 4	E10042	107.93	27.7	1 1	300	- C	160	350	0.017	0.031	0.0029	64	6.1.	0.02	80
'n	E10052	74.54	27.2	8.0	310	6.9	410	01.1	0.008	0.008	<0.0005	50	5.9	0.02	92
ون	E10062°	142.81	27.0	8.4	330	7.5	240	840	0.031	0.010	0.0013	48	6.6	0.03	96
7	E10072*	49.28	26.7	8.1	340	6.9	460	760	<0.005	0.007	0.0013	56	5.6	<0.01	101
∞	E10082°	155.07	27.0	8.2	300	7.4	200	460	0.021	0.008	0.0012	45	5.7	0.01	71
6	E10092	60.30	26.6	8.1	390	6.9	1100	1200	0.035	0.007	0.0015	58	6.8	0.05	121
10	E10102°	131.45	28.0	8.2	340	7.2	210	470	0.024	0.007	0:0031	56	6.6	0.02	103
11	E10112*	87.00	27.3	8.0	300	7.2	180	560	0.009	0.006	0.0017	50	5.5	0.01	82
12	E10122°	158.26	28.0	8.3	270	6.8	67	340	0.015	0.006	0:0029	4	5.5	0.01	62
13	E10132	112.25	26.4	8.0	270	6.8	420	640	0.007	0.007	0.0012	43	5.1	<0:01	63
14	E10142°	109.06	27.2	8.2	300	7.3	310	0001	0.008	0.006	0.0025	46	5,4	<0.01	71.
15	E10152	81.70	20.6	8.2	300	7.5	270	520	0.013	<0.005	0.0016	41	5.7	0.01	68
16	E10162°	128.84	27.8	8.2	300	7.1	150	320	0.008	<0.005	0.0016	41	5.8	<0.01	64
17	E10172	85.47	26.5	8.1	340	7.3	280	510	0.024	<0.005	0.0020	48	6.1	0.02	93 9
18	E10182°	125.73	26.8	83	300	7.2	120	280	0.010	<0.005	0.0013	40	5.8	<0.01	66
19	E10192*	36.54	25.2	8.1	350	7.8	450	670	<0.005	<0.005	0.0013	47	5.5	<0.01	06
20	E10202°	91.34	25.6	8.3	430 :	1.3	850	1500	0.006	<0.005	0.0027	:T9	7.0	<0.01	127
21	E10212	53.04	25.1	8.1	380.	1.1	100	1400	<0.005	<0.005	0.0023	52	6.0	<0.01	105
22	E1022°	61.77	25.0	8.2	360	7.5	760	1800	0.027	<0.005	0.0021	54	6.4	0.03	110
23	E10232*	39.16	24.9	8.2	420	7.5	1500	1700	0.005	<0.005	0.0029	61	5.8	<0.01	127
24	E10242°	139.56	26.3	67 80	490	7.1	900	3300	0.023	<0.005	0.0020	70	7.5	0.02	162
25	E10252	40.41	25.8	8.1	390	7.1	610	720	<0.005	<0.005	0.0013	53	5.8	<0.01	115
26	E10262°	70.08	27.4	8.2	380	7.4	390	1200	0.039	<0.005	0.0038	52	6,9	0.01	111
27	E10272°	123.97	26.5	8.1	380	7.4	390	820	0.005	<0.005	0.0020	48	6.3	<0.01	107
- 28	E10282°	92.61	25.4	8.2	310	7.8	320	1200	0.040	0.029	0.0028	49	6.0	0.04	70
29	E10292°	433.50*	24.6	7.5	380	7.9	2000+	13000	0.010	<0:005	0.0005	48	4.3	<0.01	123
30	E10302°	296.49*	25.8	8].	280	7.1	580	940	0.011	<0.005	0.0015	31	4.9	0.01	45
31	E10312	158.28	24.6	8.3	260	7.4	410	640	0.008	<0.005	0.0018	31	5.2	0.01	48
Month	Monthly Average								0.015	0.006	0.0018	47	5.7	0.01	88
	 Sampled at 11:00 Sampled at 16:00 	Sampled at 11:00 Sampled at 16:00-17:00						 		- - -					
	 By float method 	nethod	:	:					•					•	

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40 CHEMICAL ANALYSES OF THE FILTRATE AT FIXED POINT "E" FOR NOVEMBER, 1984	
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ANALYSES	
CHEMICAL	
Table B-40	

5 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	113.30 26. 139.56 25. 152.53 25. 151.26 25. 145.08 26.					(×19111)	~ 10		~)0,)	(x/Sin)	(mg/2)	(mg/g)
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	139.56 25. 152.53 27. 151.26 25. 145.08 26.	:	7.5	320	480	0.010	<0.005	0.0017	8	54	0.01	54
E11032*152.5327.08.22707.52806000.002E11042*112.15155.78.225.97.525.06000.003 <td< td=""><td>152.53 27. 151.26 25. 145.08 26.</td><td></td><td>7.6</td><td>410</td><td>1300</td><td>0.018</td><td><0.005</td><td>0.0021</td><td>36</td><td>5.5</td><td>10.0></td><td>509</td></td<>	152.53 27. 151.26 25. 145.08 26.		7.6	410	1300	0.018	<0.005	0.0021	36	5.5	10.0>	509
E11047111.2625.98.2280751806000.024<10050.0014E11072112.1726.78.3290732007000.0018<10050.00130.0013E11092*6112.17112.7783330732007000.0018<10050.00130.0013E11092*6112.17277.48.333073200770.001<10050.00130.0013E11092*6111.02*495.11277.48.3330733909900.0016<00050.00120.0013E11102*6111.02*495.11277.18.2390714406600.0250.0030.0014E11112*113.20255.98.2310722104500.0030.0030.0014E11112*113.20255.98.2310722104500.0050.0030.0014E1112*113.20255.98.2270712404500.0050.0030.0014E1112*113.20255.98.1370712404500.0050.0030.0014E1112*113.20255.98.1370752404500.0050.0030.003E1112*113.20255.48.1370752407500.0050.0030.003E1112*113.20*255.48.1370	151.26 145.08 112 51		7.5	200	400	0.012	<0.005	0.0019	13	5	10.02	24
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	145.08		7.5	180	600	0.024	<0.005	0.0027	12	5.6	0.02	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	113 51	4	7.5	250	690	0.008	<0.005	0.0014	5	5.7	10.02	809
E11072112.7927.48.33307.23106600.012 $<$ (0.0050.0012E11022495127.18.23907.37809900.0066.0050.00150.0015E111022495125.78.23907.1440660 $<$ (0.050.00150.0015E111122130.3727.28.33907.1440660 $<$ (0.050.00350.0015E111122131.2025.18.33907.21404800.00350.00150.0015E111122113.2025.38.32907.21404800.00350.00150.0015E111122113.2025.18.32907.12406.0050.00350.0015E111122114.8025.18.22907.12400.0050.00350.0015E111122143.8025.18.22907.12400.0050.00350.0015E111122144.00126.08.13707.52400.0050.00350.0015E111122144.18326.08.13707.52400.0050.0050.0035E111122144.18326.08.13707.52400.0050.0050.0050.005E111122144.18326.08.13707.52400.0050.0050.0050.005E11122237.64	Trett		7.3	200	570	0.007	<0.005	0.0012	33	5	2002	с У Ч
E11082*67.2127.28.23907.37809900.006 $<$ 0.0050.0014E11102*E11102*E11102*E11102*E11102*0.005 $<$ 0.0050.00350.0014E11112*E11112*82.7327.78.239071239016000.0050.00550.0035E11112*113.2025.58.23107.214006600.0050.0050.00550.0055E11112*113.2025.58.23107.21402600.0050.00550.00550.00550.00550.0055E11112*1143.2825.58.322907.52404200.00550.0	112.79		7.2	310	660	0.012	<0.005	0.0012	94	2.2	0.01	6
E1102*1309727.08.23907.13406600.005<0004E11102*82.7325.7182.733107.14406600.005<0005	67.21		7.3	780	.066	0.006	<0.005	0.0012	5 12	0.4		961
EIII102* 49.51 25.7 8.2 390 7.1 440 660 <0.005 <0.0025 EIII12* 82.773 27.2 8.3 470 650 <0.005 <0.005 <0.0025 EIII12* $11322*$ $11322*$ $11322*$ 1141.89 $2.5.5$ 8.3 470 650 <0.005 <0.005 <0.0025 EIII14* 141.89 $2.5.1$ 8.2 290 7.2 210 420 0.005 <0.005 0.0024 EII117* 1143.89 $2.5.1$ 8.2 290 7.5 200 420 0.005 0.0025 EII117* 1143.89 $2.5.1$ 8.2 270 7.5 200 7.005 0.005 0.0024 EII117* 118.89 $2.5.7$ 8.1 370 7.5 200 7.1 240 470 6.005 0.0025 EII117* 118.89 $2.5.7$ 8.1 370 7.5 200 710 0.005 0.0025 EII112* 7752 36.63 8.2 370 7.5 360 7005 0.005 0.0023 EII112* 7752 36.63 $2.5.7$ 8.1 370 7.5 360 7005 0.005 0.0023 EII122* 7752 26.0 8.2 470 7.5 360 7005 0.005 0.0023 EII122* 7752 26.3 8.2 470 7.5 360 7005 0.005 0.005 EII12	130.97		7.2	390	1600	0.025	<0.005	0.0014			000	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	49.51		7.1	440	660	<0.005	<0.005	0.0025	5 (10.02	15
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	82.73		6.9	460	950	0.008	<0.005	0.0035	54	7.0	0.01	124
E11132° 135.25 265 8.3 290 7.2 140 260 0.035 0.006 0.0028 E11142° 141.89 25.1 8.2 290 7.1 240 420 0.005 0.0014 E11152° 141.89 25.1 8.2 290 7.1 240 450 0.005 0.0014 E11152° 140.01 26.0 8.2 310 7.1 240 450 0.005 0.0014 E11172° 118.89 26.3 25.1 8.1 370 7.5 200 710 0.009 $< 0.005 < 0.005 0.0014 E11122° 65.34 25.7 8.1 430 7.7 200 710 0.009 < 0.005 < 0.005 0.0004 E11122° 65.34 25.7 8.1 430 7.7 330 7.1 290 380 0.005 0.0004 0.0024 E11122° 15.5 8.1 370 7.5 350 720 0.005 0.0005 0.0004 E11122° 15.5 8.1 370 7.5 350 720 0.005 0.0005 0.0004 E11122° 17.52 25.4 8.1 370 7.5 350 720 0.005 0.0005 0.0004 E11222° 17.52 25.4 8.1 370 7.5 350 720 0.005 0.0005 0.0004 0.0025 E11222° 17.52 25.4 8.1 370 7.5 350 720 0.005 0.0055 0.0005 0.0004 0.0025 e11222° 17.52 25.4 8.1 370 7.5 350 720 0.005 0.0005 0.0005 0.0004 0.0005 e11222° 17.52 25.4 8.1 370 7.5 350 720 0.005 0.0005 0.0005 0.0004 0.0005 e11222° 17.52 25.4 8.1 370 7.5 350 720 0.005 0.0005 0.0005 0.00024 0.0005 0.0005 0.0005 0.00024 0.0005 0.0005 0.0005 0.0005 0.00024 0.0005 0.0005 0.0005 0.0005 0.00024 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.0005 0.00022 0.0005 0.00$	113.20		7.2	210	430	0.005	<0.005	0.0027	38	6.0	<0.01	76
EII142° 141.89 25.1 8.2 290 7.5 200 420 0.005 < 0.005 0.0024 EII152° 141.89 25.1 8.2 290 7.5 200 450 0.005 < 0.005 0.0024 EII152° 143.58 26.9 8.3 210 7.1 240 450 < 0.005 < 0.005 0.0027 EII172° 118.89 26.3 8.3 310 7.5 450 900 0.0014 < 0.005 0.005 0.0023 EII172° 18.89 26.4 8.1 350 7.1 290 380 0.005 < 0.005 0.005 0.0033 EII1202° 35.65 8.1 370 7.1 290 380 0.005 < 0.005 0.003 0.0014 EII1202° 35.65 8.1 370 7.3 350 7.20 0.005 < 0.005 0.003 0.0014 EII1202° 37.64 8.1 360 7.1 290 380 0.005 < 0.005 0.005 0.0022 EII1202° 75.5 8.1 350 7.1 290 380 0.005 < 0.005 0.005 0.0033 EII1202° 75.5 8.1 350 7.1 290 380 0.005 < 0.005 0.005 0.0022 EII1202° 75.5 8.1 350 7.2 0.005 0.0033 0.0022 EII222° 75.5 8.1 350 7.2 0.005 0.0033 0.0022 0.0033 0.0022 EII222° 75.5 8.1 350 7.2 0.0017 < 0.005 0.005 0.0033 0.0022 EII222° 100.32 25.5 8.1 350 7.2 0.005 0.0033 0.0022 0.0030 0.0033 0.0022 0.003 0.0033 0.0022 0.0030 0.0033 0.0022 0.0030 0.0033 0.0022 0.0030 0.0030 0.0030 0.0033 0	138.25		7.2	140	260	0.035	0.006	0.0028	35	5.8	0.04	6
E11152°143.5826.98.32907.1240450<0.0050.0014E11172°E11182°65.00140.0126.08.33207.54509000.014<0.0050.0034E11172°E11182°65.3425.78.13707.54509000.005<0.0050.0034E11172°E11182°65.3425.78.13707.54509000.005<0.0050.0034E11122°53.077.46.007.12907000.005<0.0050.00350.0035E11122°56.658.13707.53607.200.0050.0050.0035E11122°36.6525.58.13707.53607.200.0050.0055E11222°36.6525.58.13707.53605.20<0.0050.0035E11222°37.6425.38.13707.53605.20<0.0050.0035E11222°37.6425.38.13707.53605.20<0.0050.0035Ibly Average100.3226.08.24407.2410710<0.0050.0035Ibly Average53mpled at 11:00.Sampled at 16:00-17:00.0.00120.00350.00220.0032Sampled at 16:00-17:00.Sampled at 16:00-17:00Sampled at 16:00-17:00	141.89		7.5	200	420	0.005	<0:005	0.0016	36	5.8	<0.0>	ŝ
E11162*140:0126.08.23107.54509000.014<0.0050.002E11172*118.8926.28.33207.52007100.009<0.0050.0035E11182*66.3425.78.13607.46000.005<0.0050.0035E11192*66.3425.78.13607.46000.005<0.0050.0035E11192*36.6525.58.13607.42000.005<0.0050.0035E1120*77.5225.48.13707.53607200.0050.0035E11212*77.5226.48.13707.53605200.0050.0035E11212*77.5226.48.13707.53605200.0050.0032E1122*37.6425.38.13707.2410710<0.0050.0032E1122*100.3226.08.24407.2410710<0.0050.0017E1122*100.3226.08.24407.2410710<0.0050.0017E1122*100.3226.08.24407.2410710<0.0050.0017E1122*100.3226.08.24407.2410710<0.0050.0017Sampled at 11:00Sampled at 16:00-17:00. <t< td=""><td>143.58</td><td></td><td>1.7</td><td>240</td><td>450</td><td><0.005</td><td><0.005</td><td>0.0024</td><td>38</td><td>5.5</td><td>10.02</td><td>38</td></t<>	143.58		1.7	240	450	<0.005	<0.005	0.0024	38	5.5	10.02	38
E11172118.8926.28.33207.52007100.009<00550.0027E11182*66.3425.78.14307.460010000.005<000550.0035E11182*66.3425.78.13607.12903800.0055<000550.0022E11212*77.5225.648.13607.12903800.0055<000550.0023E11212*77.5225.558.13607.33607.200.0055<000550.0023E11212*77.5225.648.13507.45507.200.00550.0023E11212*77.5225.638.13507.45507.200.00550.0023Inhly Average100.33225.38.13507.2410710<0.00550.0023Inhly Average100.33225.38.13507.2410710<0.00550.0023Inhly Average100.33226.08.24407.2410710<0.00550.0023Sampled at 16:00-17:008.24407.2410710<0.0030.00120.0033Sampled at 16:00-17:008.24407.2410710<0.0030.00120.0033Sampled at 16:00-17:009.00129.00129.00129.00129.00129.00129.0012	140.01		7.5	450	900	0.014	<0.005	0.0014	42	5.6	0.01	202
E11182* 66.34 25.7 8.1 430 7.4 600 1000 0.005 <0.005 0.005 <0.005 0.005 <0.005 0.005 <0.005 0.0022 E11192* 39.07 26.63 8.1 370 7.1 290 380 0.005 <0.005 0.003 E11202* 35.65 25.5 8.1 370 7.5 36.65 0.005 0.005 0.003 E11212* 77.52 25.53 8.1 370 7.5 360 720 0.005 0.003 E11222* 37.64 $2.5.3$ 8.1 370 7.5 360 720 0.005 0.003 E11222* 77.52 25.3 8.1 370 7.5 360 720 0.005 0.003 E11222* 100.32 25.3 8.1 370 7.5 360 720 0.005 0.003 E11222* 100.32 26.0 8.2 440 7.2 410 710 <0.005 0.003 Inthly Average 100.32 100.32 100.32 100.32 0.0012 0.0012 0.002 Sampled at 11:00 8.2 440 7.2 410 710 6.012 0.003 0.003 Sampled at 16:00-17:00 8.2 440 7.2 410 710 0.012 0.003 0.003 Sampled at 16:00-17:00 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.2 </td <td>118.89</td> <td>29 11 - 12</td> <td>7.5</td> <td>200</td> <td>710</td> <td>600.0</td> <td><0.005</td> <td>0.0027</td> <td>44</td> <td>6.0</td> <td><0.05</td> <td>22</td>	118.89	29 11 - 12	7.5	200	710	600.0	<0.005	0.0027	44	6.0	<0.05	22
E11192° 39.07 26.4 8.1 360 7.1 290 380 0.005 <0.005 0.005 0.005 0.005 0.005 0.005 0.002 0.0022 E11212° 77.52 25.5 8.1 370 7.5 360 720 0.005 0.005 0.003 E11212° 77.52 25.4 8.1 370 7.5 360 720 0.005 0.003 E11222° 37.64 25.3 8.1 350 7.4 350 770 7005 0.003 E11222° 100.32 25.3 8.1 350 7.4 350 770 7005 0.003 Inthly Average 1100.32 25.0 8.2 440 7.2 410 710 <0.005 0.0021 • Sampled at 11:00 8.2 440 7.2 410 710 <0.012 0.003 0.0021 • Sampled at 16:00-17:00 8.2 440 7.2 410 710 0.012 0.003 0.0021	66.34	. :	7.4	600	1000	0.005	<0.005	0.0035	63	6.9	10.0>	123
E11202* 36.65 25.5 8.1 370 7.5 360 720 0.005 0.005 0.002 E11212* 77.52 26.4 8.2 420 7.5 360 520 <0.005 0.005 0.003 E11222* 37.64 25.3 8.1 350 7.4 350 7.0 0.005 0.005 0.003 E11222* 37.64 25.3 8.1 350 7.4 350 7.1 410 710 <0.005 0.0022 nthly Average 100.32 26.0 8.2 440 7.2 410 710 <0.005 0.0022 • Sampled at 11:00• 8.2 440 7.2 410 710 <0.003 0.0021 • Sampled at 16:00-17:00 8.2 440 7.2 410 710 <0.003 0.0021	39.07		1.7	290	380.	0.005	<0.005	0.0040	51	6.0	<0.01	95
E11212°77.5226.48.24207.5360520<0.0050.0050.003E11222° 37.64 25.38.13507.43507.43500.017<0.005	36.65	÷.,	7.5	360	720	0:005	<0.005	0.0022	53	00	10.0>	i E
E11222* 37.64 25.3 8.1 350 7.4 550 150 0.017 <0.005 0.003 nthly Average 100.32 26.0 8.2 440 7.2 410 710 <0.005 0.003 0.0021 * Sampled at 11:00 • Sampled at 16:00-17:00 $0.017:00$ 0.003 0.0021	77:52		7.5	360	520	<0.005	0.005	0.0033	54	6.2	<0.05	108
E11232° 100.32 26.0 8.2 440 7.2 410 710 <0.005 0.0023 • Sampled at 11:00 • 0.012 0.003 0.0021 • Sampled at 11:00 • 5.0012 0.003 0.0021	37.64	۰۰ : زر	7,4	350	150	0.017	<0.005	0.0030	46	6.5	<0.01	2
ed at 11:00 ed at 16:00-17:00	100.32		7.2	410	710	<0.005	<0.005	0.0022	84	5.6	<0.01	86
Sampled at 11:00 Sampled at 16:00	stage		1 •			0.012	0.003	0.0021	41	5.9	0.01	11
	ampled at 11:00 ampled at 16:00-17:00											· · · · · ·

136

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Date Feb. 21	Time 9:00 10:00 11:00 12:00 13:00 14:00 15:00	Staff Gauge (m) +0.15 +0.12 +0.10 +0.05 +0.01 +0.07	Flow Rate (m ³ /s) 19.41 16.55 14.66	Water Temp. (°C) 23.2 - 25.2	рН 8.7	EC (μs/cm) 450	DO (mg/l) 8.0	Turbidity (ppm) 870
	9:00 10:00 11:00 12:00 13:00 14:00	(m) +0.15 +0.12 +0.10 +0.05 +0.01	19.41 16.55 14.66	(°C) 23.2	8.7	(µs/cm) 450	(mg/l)	(ppm)
Feb. 21	10:00 11:00 12:00 13:00 14:00	+0.12 +0.10 +0.05 +0.01	16.55 14.66	·			8.0	870
	11:00 12:00 13:00 14:00	+0.10 +0.05 +0.01	14.66					
· · ·	12:00 13:00 14:00	+0.05 +0.01	· · ·	25.2		-	-	_
	13:00 14:00	+0.01			8.6	480	7.9	950
	14:00	+0.01	10.62	27.4	9.0		- 7 4	750
			10.53 18.57		9.0	440	7.4	-
		+0.27	55.51	27.3	7.7	480	7.5	1,400
	16:00	+0.63	>55.51	. –	-	_	_	-
	17:00	+0.60	>\$\$.51	25.6	8.5	490	7.7	1,500
	18:00	+0.45		25.2	8.6	460	7.7	450
	19:00	+0.32	1-	25.0 24.9	9.0 8.5	370	7.5	370 430
						360		400
	22:00	+0.48	. –	24.5		340		350
	23:00	+0.47	· <u></u>	24.3	8.5	340	7.9	370
			. –					330
Feb. 22			·					330
		+0.33	· · · _	23.0		350	8.2	300 390
	4:00		_				78	500
				22.2		410	7.7	890
	6:00	+0.15	— · .	22.0	8.2	400	7.7	1,300
	7:00	+0.18	÷	21.8	8.2	400	8.3	1,000
	8:00							1,200
	9:00					450		1,200
•	10:00					420		1,000 980
				26.7				900
			10.18					900
	14:00	+0.08	9.77	28.6	8.2	450	7.6	950
	15:00		20.19	28.5	8.5	480		1,300
						550		2,800
			44.69					2,600 870
			· · . —					700
								650
			<u> </u>					600
	22:00	+0.48	. <u> </u>	25.4	8.9	350	8.0	500
			-			320		500
1. <u>1</u>			· · — · · ·					540
Feb. 23							8.0	540
			·· . <u> </u>			350	18	530 · 500
							7.6	530
	5:00	+0.23	·	22.8	7.8	370	8.1	500
			·					500
		+0.18						530
		+0.11						550
	· · · 9:00	+0.1/						530 760
÷	11:00	+0.16						1,150
	12:00			26.1	8.8	480	7.4	1,080
	13:00	+0.10	11.05	27.0	8.3	450	7.4	1,960
	14:00	+0.15	16.35	27.9	8.1	450	7.6	950
							7.5	1,350
								2,800
	Feb. 23	$\begin{array}{c} 20:00\\ 21:00\\ 22:00\\ 23:00\\ 24:00\\ Feb. 22 1:00\\ 2:00\\ 3:00\\ 4:00\\ 5:00\\ 6:00\\ 7:00\\ 8:00\\ 9:00\\ 10:00\\ 11:00\\ 12:00\\ 13:00\\ 14:00\\ 15:00\\ 16:00\\ 17:00\\ 18:00\\ 19:00\\ 20:00\\ 21:00\\ 22:00\\ 23:00\\ 24:00\\ Feb. 23 1:00\\ 22:00\\ 23:00\\ 24:00\\ Feb. 23 1:00\\ 20:00\\ 6:00\\ 7:00\\ 8:00\\ 9:00\\ 10:00\\ 10:00\\ 11:00\\ 12:00\\ 13:00\\ 14:00\\ 15:00\\ 13:00\\ 14:00\\ 15:00\\ 13:00\\ 14:00\\ 15:00\\ 16:00\\ 17:00\\ 13:00\\ 14:00\\ 15:00\\ 16:00\\ 17:00\\ 13:00\\ 14:00\\ 15:00\\ 16:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 10:00\\ 11:00\\ 12:00\\ 13:00\\ 14:00\\ 15:00\\ 16:00\\ 17:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ 17:00\\ 10:00\\ $	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$

Table B-41HOURLY CHANGE OF THE WATER QUALITY
AT FIXED POINT "E"
(Feb. 21 - Feb. 23)

- : No data

137

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<u>المنازير الارين من المناط</u>		Time	Staff gauge (m)	WT (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)	
i	May 3	9:00	0.55	28,4	8.4	490	7.7	800	1.5	Û
	·	10:00	0.50	29.3	8.1	380	7.0	420	2.0	
		11:00	0.45	30.7	8.2	390	7.4	390	2.0	
		12:00	0.42	31.2	8.4	420	6.9	390	2.0	
		13:00	0.41	30.4	8.3	610	7.1	360	2.0	
	:	14:00	0.40	29.8	8.1	440	7.1	950	1.5	· .
		15:00	0.85	29.2	8.3	510	7.3	1400	1.0	· · · ·
		16:00	0.95	29.1	8.1	410	7.6	960	15	
:.	,¢	17:00	0.96	29.2	8.4	480	7.6	1200	1.0	
		18:00	1.05	29.1	8.1	370	7.6	1500	1.0	
-		19:00	0.96	29.0	8.1	350	7.6	990	1.5	· · · · · · ·
		20:00	0.89	28.7	8.2	350	7.6	320	2.5	
÷		21:00	0.78	28.7	8.3	370	7.6	220	3.0	
		22:00	0.73	28.3	8.1	380	7.8	230	2.5	
		23:00	0.68	28.2	8.3	440	7.8	220	3.0	
	May 4	0:00	0.60	28.0	8.3	460	7.0	200	3.5	
	-	1:00	0.59	27.9	8.2	450	7.1	200	3.5	
		2:00	0.63	27.7	8.2	360	7.0	220	3.0	
		3:00	0.61	27.6	8.2	390	7.0	220	3.0	
		4:00	0.58	27.6	8.1	420	7.0	330	2.0	
		5:00	0.57	27.5	8.3	400	7.2	310	2.5	
· .		6:00	0.50	27.3	8.2	380	7.2	340	2.0	
		7:00	0.54	27.4	8.3	420	7.1	330	2.0	
	. ·	8:00	0.49	28.1	8.1	450	7.0	310	2.5	e provincia de la compañía de la com
		9:00	0.42	28.9	8.2	430	6.6	260	3.0	
	• •	10:00	0.40	31.6	8.3	460	6.7	200	3.5	
		11:00	0.37	32.4	8.0	460	6.6	200	3.5	
		12:00	0.33	33.8	8.3	480	6.7	250	3.0	
		13:00	0.32	34.1	8.2	500	6.6	290	3.0	
		14:00	0.39	34.2	8.2	470	6.8	210	3.5	
	11	15:00	0.47	34.3	8.2	480	6.4	600	1.5	
		16:00	0.86	32.3	8.2	470	6.6	1400	0.5	
,	`	17:00	0.88	31.6	8.5	470	6.3	850	1.0	\mathbf{O}
										•

Table B-42 HOURLY CHANGE OF THE WATER QUALITY AT FIXED POINT "E"

(May 3 – May 4)

WT: Water Temperature

			(Jun	e 19 – June	20)		
	Time	Staff gauge (m)	WT (°C) pH	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
()	June 19 9:00	0.52	26.1 8.1	410	7.4	390	1.5
	10:00	0.51	26.3 8.1	410	7.1	420	1.5
	11:00	0.42	27.4 8.1	360	7.2	390	1.5
	12:00	0.38	27.1 8.1		6.8	420	1.5
	13:00	0.40	27.7 8.1	380	6.8	460	1.5
	14:00	0.45	27.3 8.0) 380	6.9	770	1.0
	15:00	0.49	26.9 8.0		6.8	790	1.0
	16:00	0.50	26.7 8.		6.8	480	1.0
	17:00	0.52	26.8 8.		6.9	560	1.0
	18:00	0.59	26.9 8.0		7.0	580	1.0
	19:00	0.72	26.0 8.1		7.2	750	0.5
	20:00	0.68	25.8 8.		7.4	2000+	0
	21:00	0.65	25.8 8.1		7.9	2000+	• • • • •
	22:00	0.62	25.1 8.		7.3	2000+	· 0
	23:00	0.61	25.3 8.	· · ·	7.7	2000+	· .0
	June 20 0:00	0.60	24.9 8.		7.2	2000+	, ⊨ 0
\bigcirc	1:00	0.61	24.4 8.	· · · ·	7.9	2000+	0
	2:00	0.63	24.8 8.		7.7	2000+	0
÷.,	3:00	0.54	24.3 7.		7.3	2000+	0
	4:00	0.54	24.2 8.		7.4	2000+	0
	5:00	0.59	24.1 8.	1.1.1	7.0	2000+	0
·	6:00	0.58	24.9 8.		7.3	2000+	0
	7:00	0.58	24.4 8.		7.4	2000+	0
	8:00	0.58	24.3 7.		7.4	2000+	0
	9:00	0.58	25.2 8.		7.3	2000	0.5
	10:00	0.58	26.0 8.		7.3	2000	0.5
	11:00	0.57	26.5 8		7.3	1800	0.5
	12:00	0.57	26.8 8		7.1	1500	0.5
	13:00	0.50	27.2 8		7.4	1500	0.5
	14:00	0.54	27.0 8		7.6	1400	0,5
	14:00	0.57	27.0 8	and the second	6.9	1400	0.5
	16:00	0.58	27.2 8		7.0	950	0.5
	17:00	0.56	27.3 8		6.9	890	0.5

HOURLY CHANGE OF THE WATER QUALITY AT FIXED POINT "E"

WT: Water Temperature

Time	Staff gauge (m)	WT (°C)	рН	EC (μS/cm)	DO (mg/Ջ)	Turbidity (ppm)	Transprency (cm)
July 27 9:0	0 0.58	24.1	8.2	410	7.3	990	0.5
10:0	0 0.58	24.6	8.2	370	7.7	940	0.5
11:0	0 0.59	24.6	8.2	350	6.9	850	0.5
12:0	0 0.58	25.0	8.2	380	7.6	770	0.5
13:0	0 0.56	25.9	8.2	360	6.8	610	1.0
14:0	0 0.56	26.8	8.2	360	6.7	410	1.5
15:0	0 0.58	26.5	8.2	350	6.7	350	1.5
16:0	0 0.58	26.4	8.2	350	7.0	350	1.5
17:0	0 0.58	25.8	8.2	360	6.7	360	1.5
18:0	0 0,57	24.3	8.2	350	6.9	340	1.5
19:0	0 0.54	25.6	8.2	400	7.2	310	2.0
20:0	0 0.55	25.5	8.2	350	6.8	320	2.0
21:0	0 0.55	25.1	8.3	360	7.2	300	2.5
22:0	0 0.50	25.6	8.3	360	6.7	230	2.5
23:0		24.2	8.3	340	7.1	210	3.0
July 28 0:0		24.4	8.2	360	7.9	210	3.0
1:0		24.5	8.2	360	7.0	190	3.0
2:0		24.1	8.1	360	6.8	240	2.5
3:0		23.7	8.2	370	7.1	660	0.5
4:0		23.6	8.2	370	7.5	730	0.5
5:0		23.7	8.2	370	7.6	750	0.5
6:0		23.3		360	7.7	850	0.5
7:0		23.6	8.2	370	7.5	1000	0.5
8:0		24.0	8.2	350	7.5	1000	0.5
9:0		23.8	8.1	350	7.5	1100	0.5
10:0		24.8	8.2	370	7.3	690	0.5
11:0		25.1	8.2	380	7.0	710	0.5
12:0		25.0	8.1	370	7.0	610	1.0
13:0		25.9	8.2	370	6.9	1000	0.5
14:0		26.3	8.2	360	7.4	480	1.0
15:0		26.5	8.2	350	6.9	390	1.5
16:0		26.5		340	6.6	460	1.0
17:0		26.3	8.2	350	6.7	950	0.5

HOURLY CHANGE OF THE WATER QUALITY AT FIXED POINT "E"

(July 27 – July 28)

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WT: Water Temperature

HOURLY CHANGE OF THE WATER QUALITY AT FIXED POINT "E"

•	Time	Staff gauge (m)	WT (°C)	рН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transprency (cm)
Sept. 1	9 9:00	0.38	24.9	8.0	67	7.4	230	2.5
	10:00	0.36	25.3	. 8.0	.98	7.3	250	2.5
	11:00	0.25	25.7	8.1	110	7.1	210	3.0
	12:00	0.19	26.2	8.1	96	6.6	200	3.0
	13:00	0.42	26.6	8.1	120	6.9	240	2.5
	14:00	0.42	27.1	8.1	140	6.9	240	2.5
	15:00	0.81	26.9	8.1	300	7.0	650	1.0
	16:00	0.85	26.7	8.1	250	7.3	480	1.0
	17:00	0.85	26.8	8.1	320	7.4	1300	0.5
	18:00	0.87	26.8	8.1	220	7.8	750	1.0
	19:00	0.85	26.5	8.0	220	7.4	410	1.5
	20:00	0.84	26.2	8.1	230	7.4	330	1.5
	21:00	0.79	25.9	8.1	230	7.6	300	2.0
	22:00	0.55	25.6	8.0	230	7.6	250	2.5
	23:00	0.50	25.5	8.1	240	7.5	260	2.5
Sept. 2	0.00	0.45	25.4	8.1	240	7.6	190	4.0
	1:00	0.42	25.4	8.1	240	7.6	180	4.5
	2:00	0.40	24.0	8.1	230	7.1	200	4.0
	3:00	0.30	25.0	8.1	230	7.1	230	3.5
	4:00	0.26	24.8	8.1	230	6.8	260	2.5
	5:00	0.31	24.8	8.1	230	6.8	650	1.0
a a ser a	6:00	0.39	24.7	8.1	230	6.4	810	0.5
	7:00	0.40	24.7	8.1	240	7.2	1000	0.5
	8:00	0.40	25.0	8.1	260	6.7	390	1.5
	9:00	0.40	25.3	8.0	270	7.2	230	2.0
	10:00	0.38	25.6	8.1	270	7.6	190	2.5
•	11:00	0.41	25.9	8.1	270	7.5	200	2.5
	12:00	0.40	26.1	8.2	270	7.1	220	2.5
	13:00	0.42	26.8	8.1	280	7.0	220	2.5
	14:00	0.41	27.3	8.0	280	7.3	220	2.5
	15:00	0.38	27.1	8.1	280	7.2	190	3.0
	16:00	0.38	27.3	8.1	270	7.4	220	2.5
	17:00	0.40	27.3	8.1	270	7.2	210	2.5

(Sept. 19 – Sept. 20)

WT: Water Temperature

141

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HOURLY CHANGE OF THE WATER QUALITY AT FIXED POINT "E"

				(001.	19 – Oct.	20)	•		
	Time	Staff gange (m)	WT (°C)	pН	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transprency (cm)	
Oct. 19	9:00	0.17	25.1	8.0	320	7.3	310	2.0	
	10:00	0.16	25,1	8.0	330	7.8	380	1.5	
	11:00	0.17	25.2	8.1	350	7.8	450	1.5	
i.	12:00	0.14	25,3	8.2	340	7.7	460	1.0	
	13:00	0.20	25.4	8.2	330	7.4	660	1.0	
÷.,	14:00	0.21	25.4	8,2	370	7.4	610	1.0	
	15:00	0.32	25,5	8.2	400	7.3	320	2.0	
	16:00	0.34	25,4	8.3	420	7.8	240	2.5	
	17:00	0.18	25.3	8.1	350	7.6	250	2.5	
	18:00	0.16	25.2	8.1	290	7.5	280	2.0	
	19:00	0.11	25.2	8.1	320	7.4	290	2.0	
	20:00	0.25	25,1	8.2	320	7.5	460	1.0	
	21:00	0.40	25.1	8.2	320	7.5	620	1.0	
	22:00	0.42	25.0	8.1	330	7.7	450	1.5	
	23:00	0.39	24.9	8.2	340	7.8	450	1.5	
Oct. 20	0:00	0.43	24.8	8.2	320	7.5	440	1.5	
	1:00	0.20	24.7	8.2	270	7.6	450	1.5	
. *	2:00	0.18	24.7	8.1	290	7.6	390	1.5	
	3:00	0.05	24.7	8.1	300	7.7	410	1.5	
	4:00	0.15	24.7	8.1	300	7.7	460	1.5	
	5:00	0.08	24.6	8.1	300	7.5	460	1.5	
	6:00	- 0.05	24.6	8.2	330	7.4	460	1.5	
	7:00	- 0.07	24.6	8.2	320	7.3	460	1.5	•
1 A A	8:00	- 0.05	24.8	8,3	320	7.5	420	1.5	
	9:00	- 0.14	25.0	8.2	310	7.4	700	0.5	
	10:00	- 0.16	25.3	8.2	370	7.5	910	0.5	
	11:00	0.09	26.1	8.2	390	7.1	850	0.5	· · ·
	12:00	0.05	25.3	8.2	390	7.4	1100	0.5	÷.,
	13:00	- 0.08	26.0	8.2	410	7.2	1200	0.5	:
	14:00	- 0.05	25.4	8.2	390	7.1	600	1.0	
:	15:00	0.21	25.5	8.2	380	7.2	450	1,0	
	16:00	0.26	25.6	8.2	440	7.1	950	0.5	
	17:00	0.22	25.6	8.3	, 430	7.3	850	0.5	. <u></u>

(Oct. 19 – Oct. 20)

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142

WT: Water Temperature

HOURLY CHANGE OF THE WATER QUALITY AT FIXED POINT "E"

	Time	Staff gauge (m)	WT (°C)	pH	EC (µS/cm)	DO (mg/l)	Turbidity (ppm)	Transparency (cm)
	Nov. 16 9:00	0.27	24.9	8.2	330	7.7	410	1.5
	10:00	0.18	25.3	8.2	330	7.4	450	1.5
	11:00	0.38	26.0	8.2	.310	7.5	450	1.5
	12:00	0.39	26.0	8.3	310	7.5	380	1.5
	13:00	0.40	26.0	8.3	290	7.4	240	2.5
	14:00	0.40	27.0	8.3	290	7.3	150	3.5
	15:00	0.39	27.0	8.3	270	7.1	150	3.5
	16:00	0.28	26.9	8.3	280	7.2	190	2,5
т.	17:00	0.38	26.8	8.2	290	7.4	230	2.5
	18:00	0.38	26.7	8.2	290	7.5	270	2.0
	19:00	0.38	26.7	8.2	290	7.4	150	3.5
	20:00	0.37	26.6	8.2	300	7.5	130	3.5
	21:00	0.24	26.3	8.3	300	7.6	180	3.0
	22:00	0.38	25.9	8.3	300	7.4	110	4.0
	23:00	0.38	25.6	8.2	310	7.3	320	1.5
	Nov. 17 0:00	0.39	25.4	8.3	300	7.8	340	1.5
	1:00	0.39	25.3	8.2	310	7.5	330	1.5
	2:00	0.32	25.2	8.3	280	7.2	340	1.5
	3:00	- 0.13	25.1	8.2	290	7.7	350	1.5
·	4:00	- 0.02	25.1	8.2	290	7.4	340	1.5
	5:00	- 0.11	25.0	8.2	300	7.7	380	1.5
	6:00	- 0.06	25.0	8.2	290	7.0	410	1.5
	7.00	- 0.11	25.0	8.2	290	7.5	440	1.0
	8:00	- 0.17	25.1	8.2	350	7.2	750	0.5
	9:00	- 0.20	25.2	8.2	370	7.5	850	0.5
		- 0.20	25.6	8.2	350	7.7	690	1.0
		- 0.20	25.7	8.2	340	7.2	740	0.5
	12:00		25.9	8.2	360	7.2	920	0.5
e La factoria	13:00	0.11	25.8	8.2	390	7.0	880	0.5
	14:00	0.28	26.9	8.2	360	7.1	360	2.0
	15:00	0.35	26.3	8.2	410	7.3	300	2.0
4	16:00	0.35	26.2	8.2	360	7.4	230	2.5
	17:00	0.35	26.2	8.3	320	7.5	200	3.0

(Nov. 16 – Nov. 17)

WT: Water Temperature

143

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CORRELATIONS BETWEEN THE DATA AT FIXED POINT "E"

X (Data 1)	Y (Data 2)	N	R	A	В
Flow Rate	EC	309	-0.400**	4,12418E+02	-2.36239E-01
Flow Rate	Turbidity	237	0.166**	5.87403E+02	5.17903E-01
Flow Rate	SS	304	0.278**	8.89289E+02	1.74005E+00
Flow Rate	Cu	240	~0.042	1.89530E-02	-4.84414E-06
Flow Rate	As	293	-0.270**	-3.42490E-03	-1.99534E-06
Flow Rate	Ca	295	-0.342**	5.56995E+01	-3.47924E-02
Flow Rate	Mg	295	-0.370**	6.76641E+00	-2.14112E-03
Flow Rate	SÕ₄	294	-0.326**	9.87692E+01	-6.79482E-02
Flow Rate	CN	114	-0.198*	6.03653E-02	-1.71416E-04
EC	Turbidity	287	0.371**	~1.31667E+02	1.99195E+00
EC	SS	304	0.197**	2.31764E+02	2.10629E+00
EC	Cu	240	0.023	1.65018E02	5.09970E-06
EC	As	293	0.587**	3.42323E-04	7.44179E-06
EC	Ca	295	0.842**	-4.58760E+00	1.46703E-01
EC	Mg	295	0.763**	3.61792E+00	7.58175E-03
EC	SÕ₄	234	0.848**	-2.59249E+01	3.04933E-01
EC	CN	114	0.078	2.92944E-02	3.83683E-05
Turbidity	SS	282	0.760**	8.15151E+01	1.54234E+00
Turbidity	Cu	233	0.099	1.61203E-02	4.19957E-06
Turbidity	As	271	0.150*	2.89752E-03	3.35841E-07
Turbidity	Ca	273	0.444**	4.16666E+01	1.33361E-02
Turbidity	Mg	273	0.278**	6.18974E+00	5.19830E-04
Turbidity	SO4	272	0.514**	6.85698E+01	3.40814E-02
Turbidity	CN	108	0.072	3.28535E-02	4.85059E-06
SS	Cu	237	0.098	1.62540E-02	1.81352E-06
SS	As	288	-0.018	3.23342E-03	-2.20278E-08
SS	Ca	290	0.230**	4.80233E+01	3.71281E-03
SS	Mg	290	0.054	6.49323E+00	5.05602E-05
SS	SO₄	289	0.350**	7.91028E+01	1.15562E-02
SS	CN	113	0.069	3.81290E-02	3.65299E-06
Cu	As	238	-0.017	3.19983E-03	-1.03385E-03
Cu	Ca	240	-0.008	5.13260E+01	-7.28009E+00
Cu	Mg	240	0.035	6.51390E+00	1.68580E+00
Cu	SO4	240	0.040	8.95384E+01	6.86143E+01
Cu	CN	104	0.742**	5.26583E-03	1.04470E+00
As	Ca	293	0.603**	2.53104E+01	8.38090E+03
As	Mg	293	0.616**	5.00069E+00	4.82476E+02
As	SO4	292	0.504**	4.62938E+01	1.42185E+04
As	CN	113	0.083	3.40533E-02	3.23066E+00
Ca	Mg	295	0.759**	4.29592E+00	4.32624E-02
Ca	SO₄	294	0.860**	~1.29921E-01	1.76606E+00
Ca	CN SO4	114	0.112	2.75938E-02	3.16405E-04
Mg	SO₄	294	0.720**	-7.78915E+01	2.59451E+01
Mg	SO4 CN	114	0.105	5.84962E+01	5.80854E-03
SO ₄	CN	114	0.038	3.87857E-02	4.96799E-05
Flow Rate	EČ	307			
			-0.601**	4.56784E+02	-8.10941E-01
Flow Rate	Turbidity	285	-0.025*	6.43883E+02	-1.79429E-01
Flow Rate	SS	302	0.173**	8.33662E+02	- 2.45951E+00
Flow Rate	Cu	238	-0.005	1.86645E-02	-1.46205E-06
Flow Rate	As	291	-0.479**	.3.92722E-03	-8.27332E-06
Flow Rate	Ca	293	-0.532**	6.29512E+01	-1.25895E-01
Flow Rate	Mg	293	-0.501**	7.13014E+00	-6.70670E-03
Flow Rate	SO₄	292	-0.492**	1.12436E+02	-2.39051E-01
Flow Rate	CN	114	-0.1984*	6.03653E-02	-1.71416E-04

N : Number of samples R : Correlation coefficient A, B : Regression coefficients; Y=A+BX * : Significant at the level of 5% ** : Significant at the level of 1% Two records at high flow rate are excluded for the lower 7 rows.

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144

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Fixed Point	Sampling Date	Cu mg/l	Zn mg/ዩ	As mg/2	Ca mg/ହ	Mg mg/Ջ	CN mg/ዩ	SO4 mg/l
Е	Dec. 12	{ <0.02 <0.02	<0.01 <0.01	0.0049 0.0038	52 59	6.3 7.4		102 98
Έ	Dec. 13	<0.02 0.02	<0.01 <0.01	0.0061 0.0040	59 68 65	7.2 7.4		110 110
Е	Dec.14	{ <0.02 <0.02	<0.01 <0.01	0.0010 0.0018	65 47 47	6.2 6.4	- ·	73
Е	Feb. 9	0.01	<0.02 <0.02	0.0055 0.0044	89 89	6.6 7.6	<0.01 <0.01	135 126
E	Feb. 19	0.01	<0.02 <0.02	0.0046 0.0045	81 75	6.7 6.6	<0.01 <0.01	113 114
Е	Feb. 29	<0.01 0.01	0.02 <0.02	0.0044 0.0045	64 62	6.5 6.4	<0.01 <0.01	- 90 91
E	Mar. 6	0.01	<0.02 <0.02	0.0043 0.0056	143 142	9.4 9.2	<0.01 <0.01	321 308
Е	Mar. 17	í 0.02	< 0.02	0.0039	46	6.6	0.01	84
E	Apr. 11	0.02	<0.02 <0.005	0.0044 0.0039	46	6.6 7.6	0.01	84 137
Е	Apr. 18	0.029	<0.005 <0.005	0.0047 0.0050	61 63	7.8 7.2	0.03 0.01	139 139
Ē	Apr. 20	<0.005	<0.005 0.005	0.0033 0.0038	64 52	7.2 6.7	0.04 0.01	141 87
E	Apr. 29	0.022 0.017	0.014 0.007	0.0018 0.0050	52 42	6.7 6.2	< 0.01 < 0.01	87 71
E	May 10	0.013	0.005 0.006	0.0041 0.0036	42 47	6.4 6.3	< 0.01 < 0.01	69 91
	-	\ <0.005 \ 0.015	0.007	0.0029 0.0033	47 42	6.3 6.3	<0.01 <0.01	90 61
E	May 19	0.010 0.007	<0.005 <0.005	0.0042 0.0040	38 43	6.4 6.3	<0.01 <0.01	62 69
E	May 29	0.007	< 0.005	0.0037 0.0040	42 36	6.3 6.2	<0.01 0.03	74 51
E	Jun 7	0.037	<0.005 <0.005 <0.005	0.0041 0.0042	36 61	6.2 8.4	0.03 <0.01	50 129
Е	Jun 17	0.006 0.060	<0.005 <0.005	0.0045 0.0038	60 53	8.6 6.3	<0.01 0.05	130 111
E	Jun. 26	0.057	< 0.005	0.0019	53 47	6.3	0.05	109
Е	Jul. 5	0.058	0.009 <0.005	0.0026 0.0030	47	6.3 6.2	0.05 0.05 <0.01	90 92 79
E	Jul. 14	{ 0.007 { <0.005	<0.005 <0.005	0.0028 0.0034	46 46	6.9 6.0	<0.01	79
E	Jul. 23	∫ 0.005 <0.005	<0.005 <0.005	0.0036 0.0029	50 50	6.4 6.4	<0.01 <0.01	·92 96
Е	Aug. 3	0.015 0.014	<0.005 <0.005	0.0022 0.0035	34 34	5.9 6.1	0.01 0.01	57
Е	Aug. 14	{ 0.005 { <0.005	<0.005 <0.005 <0.005	0.0041 0.0041	54 54	6.9 6.6	<0.01 <0.01	102 103
E	Aug. 24	{ 0.040 0.040	<0.005	0.0024 0.0022	59 64	6.3 6.3	0.05 0.05	59 64
Е	Sep. 3	0.008	<0.005 <0.005	0.0013 0.0012	30 30	5.9 5.9	<0.01 <0.01	39 37
Е	Sep. 12	{ 0.027 0.026	<0.005 <0.005	0.0016 0.0014	34 34	6.4 6.6	0.03 0.02	65 67
E	Sep. 22	{ 0.029 { 0.025	0.008 0.005	0.0012 0.0014	37 37	6.2 6.0	0.02	65 64
Е	Oct. 1	{ <0.005 { <0.005	<0.005 <0.005	0.0019 0.0027	40	5.6 5.6	0.02 0.01	61 55
Е	Oct. 12	0.016	0.005	0.0023 0.0029	42 42 41	5.4 5.5	0.01 0.01	61 62
E	Oct. 23	0.006	<0.005 <0.005 <0.005	0.0029	62 61	5.7 5.8	<0.01 <0.01 <0.01	129 127
E	Nov. 1	f 0.012	< 0.005	0.0026	34	5.4	0.01	54
E	Nov. 10	0.010	<0.005 <0.005	0.0017 0.0017	34 48	5.4 6.2	0.01 <0.01	54 113
Ē	Nov. 20	{ < 0.005	<0.005 <0.005	0.0025	48 54	6.3 5.8	<0.01 <0.01	100 100
	humn Filtered	1 0.005	< 0.005	0.0022	53	5.8	< 0.01	101

Table B-49COMPARISON OF CHEMICAL ANALYSES OF THE FILTRATES
BY GS25 AND NO. 3 ("E" POINTS)

*Lower column: Filtered by GS25 Upper column: Filtered by No.3 filter. - : No data

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145

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RAINWATER
OF
ANALYSES
CHECK
Table B-50

-24-	Location	Date		(j)					•		(mg/x)	
-	San Roque	July 31	1	25.0	7.1							
64	San Manuel	Aug. 7	 1	26.0	8.1							
ŝ	San Manuel	Aug. 8	14:30	25.0	6.4	13.5		1	-	•		
4	San Manuel	Aug. 8	15:30	23.5	6.6			÷				
S	San Roque	Aug. 9	15:15	26.0	7.0							
9	San Roque	Aug. 10	16:00	25.0	64		· .			•		
1	San Manuel	Aug. 13	' I '	24.0	6.06.9*		7.3	0.7	7.6	1.2	V	Ϋ́
80	San Roque	Aug. 13	15:00	23.5	7.0		4.1	2.8	8.6	2.0	.∆	ý
<u>о</u>	San Roque	Aug. 13	16:20	24	6.7		0.01	0.05	0.13	0.01	⊽	V

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Table B-51 CHEMICAL ANALYSES OF SUSPENDED SOLID AT FIXED POINT "E"

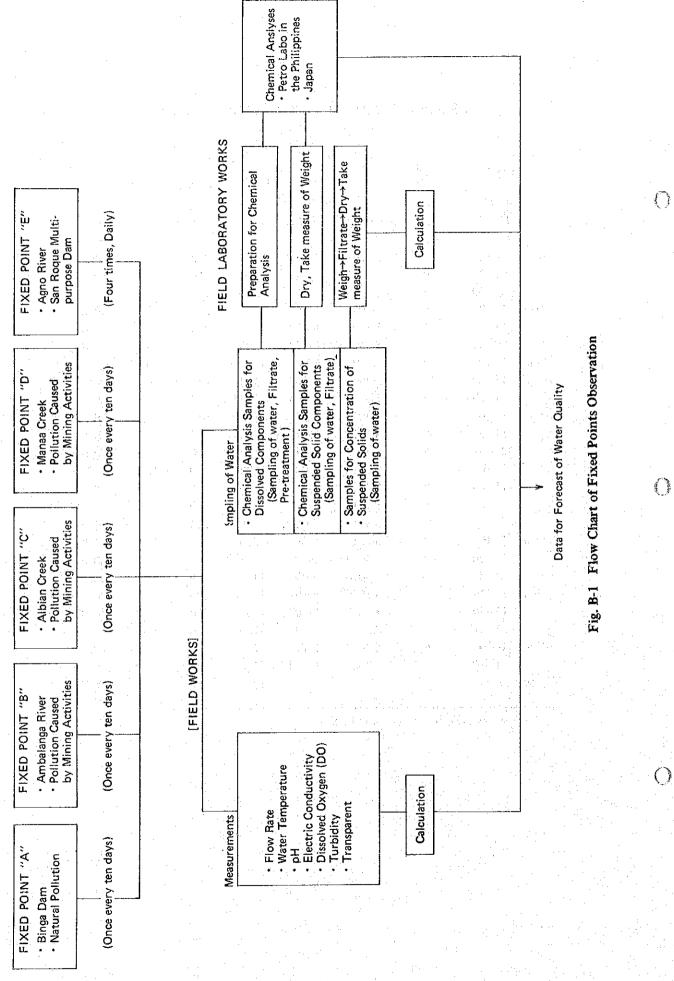
Sampling Da	te SS Size	Analysis No.	Sample No.	Cu (ppm)	Zn (ppm)	As (ppm)	S (%)
Feb. 1-10	0.6µ—5µ	4-S4	ED212	1300	230	5.0	0.10
11-20) "	5-85	E0222	1200	180	5.2	0.12
21-29) "	6-S6	E0232	1300	180	5.0	0.14
Apr. 1-10	"	S-3001	E-041	1600	320	16	<0.10
- 11-2	1 "	S-3002	E-042	1600	310	9.1	<0.10
21-3	0 ".	S-3003	E-043	1300	280	9.8	<0.10
May 1-10	·	S-3004	E-051	1100	380	12	<0.10
11-2	0 "	S-3005	E-052	730	240	8.7	<0.10
20-3	1 "	S-3006	E-053	1100	580	5.8	<0.10
June 1-10		S-3007	E-061	1100	650	6.8	<0.10
11-2	0 "	S-3008	E-062	1100	450	6.2	<0.10
21-3	0 "	S-3009	E-063	960	310	5.9	<0.10
July 1-10		S-3010	E-071	1100	510	8.1	<0.10
11-2	0 "	S-3011	E-072	1100	430	6.7	<0.10
21-3	1	S-3012	E-073	1100	380	6.1	<0.10
Aug. 1-10		S-3013	E-081	1200	550	6.1	<0.10
11-2	0 "	S-3014	E-082	900	420	10	<0.10
21-3	1 ""	S-3015	E-083	660	360	13	<0.10
3		S-3113	E-084*	320	210	20	<0.10
Sept. 1-10	"	S-3016	E-091	510	310	13	<0.10
11-2	0 "	S-3017	E-092	830	390	12	<0.10
21-3	0 "	S-3018	E-093	1100	330	12	<0.10
Oct. 1-10		S-3019	E-101	1200	290	11	<0.10
11-2	0 "	S-3020	E-102	1100	330	8.0	<0.10
21-3	1	S-3021	E-103	1100	280	10	<0.10
Nov. 1-10		S-3022	E-111	1300	320	8.5	<0.10
11-2		S-3023	E-112	1300	230	5.9	<0.10
Average				1080	350	9.1	<0.10

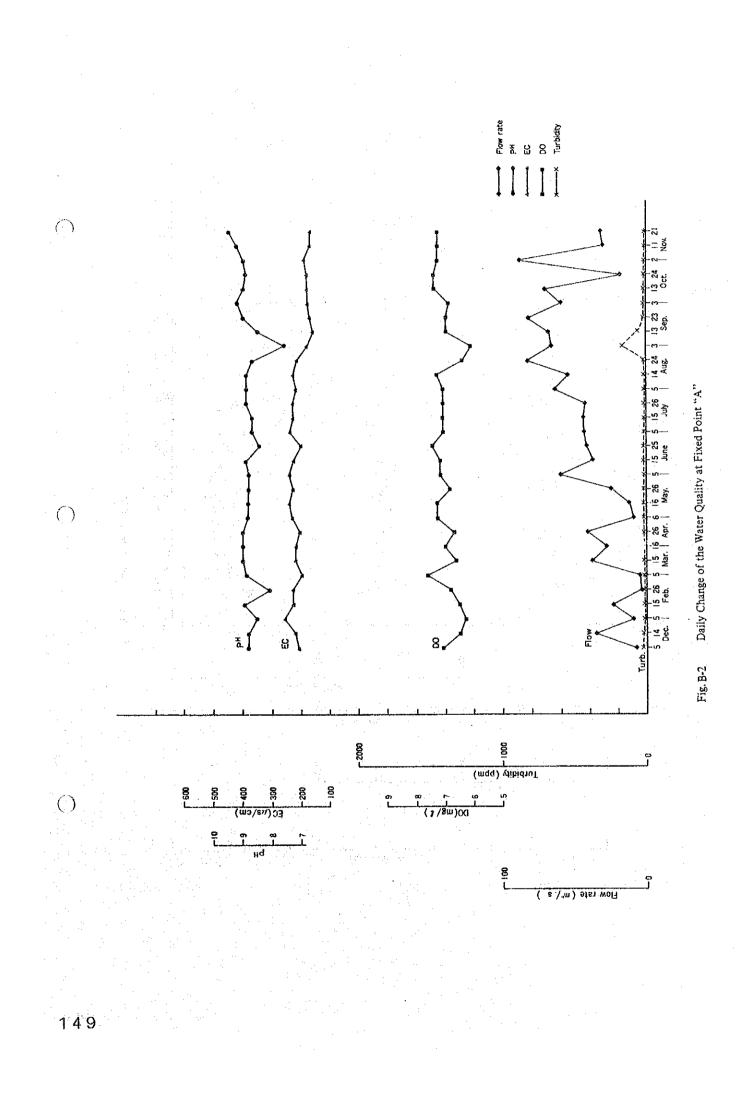
* Sample at the high water level

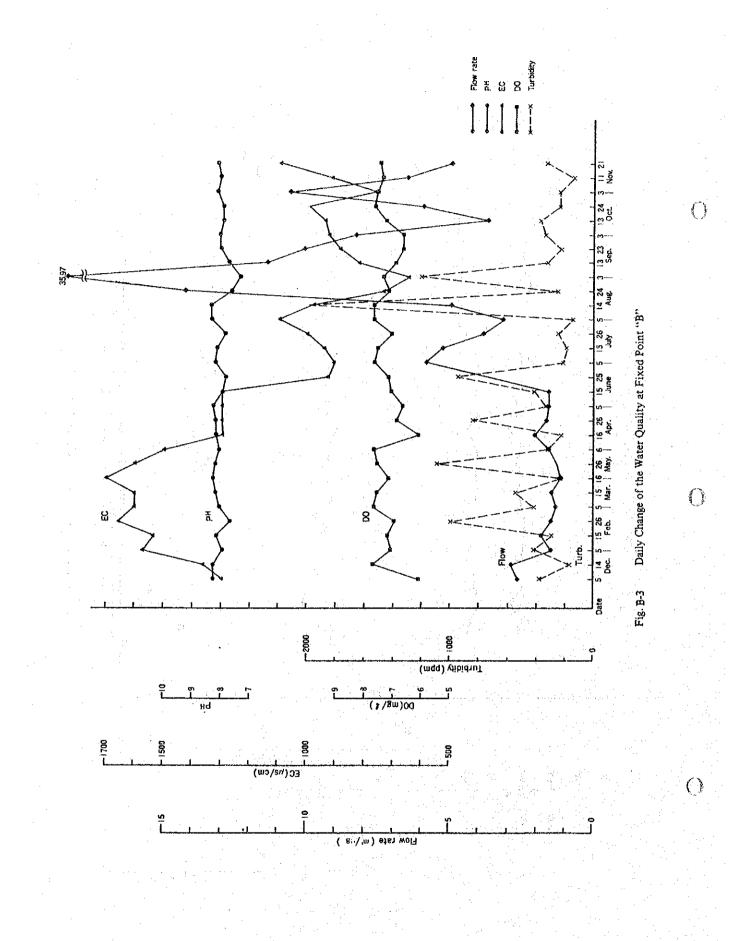
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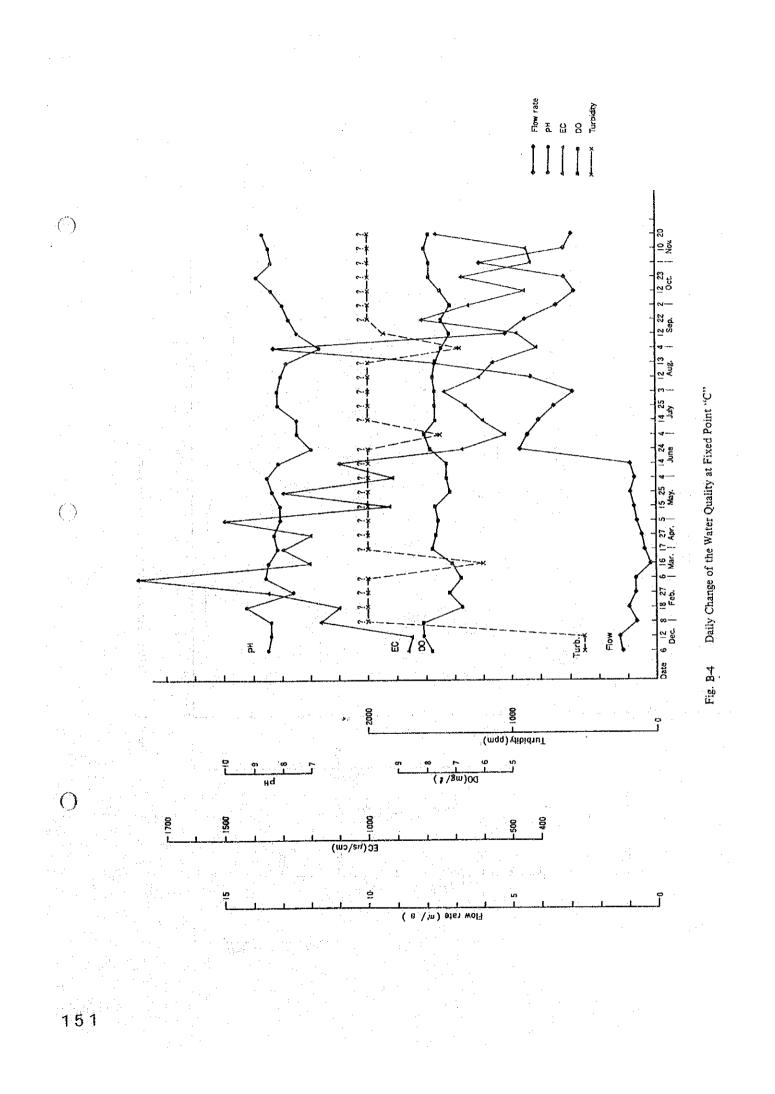
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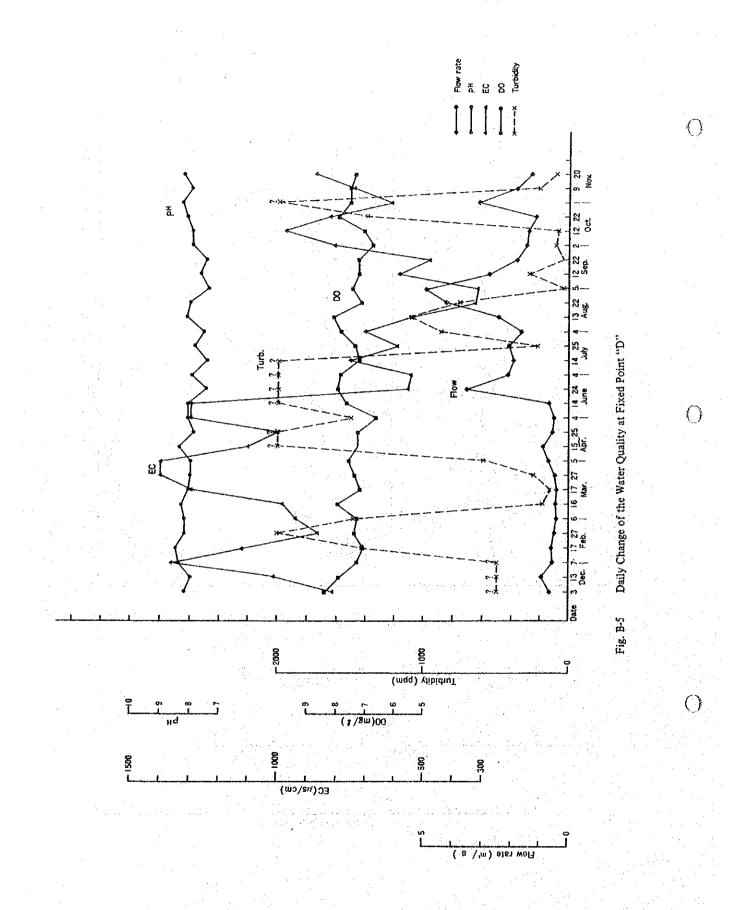
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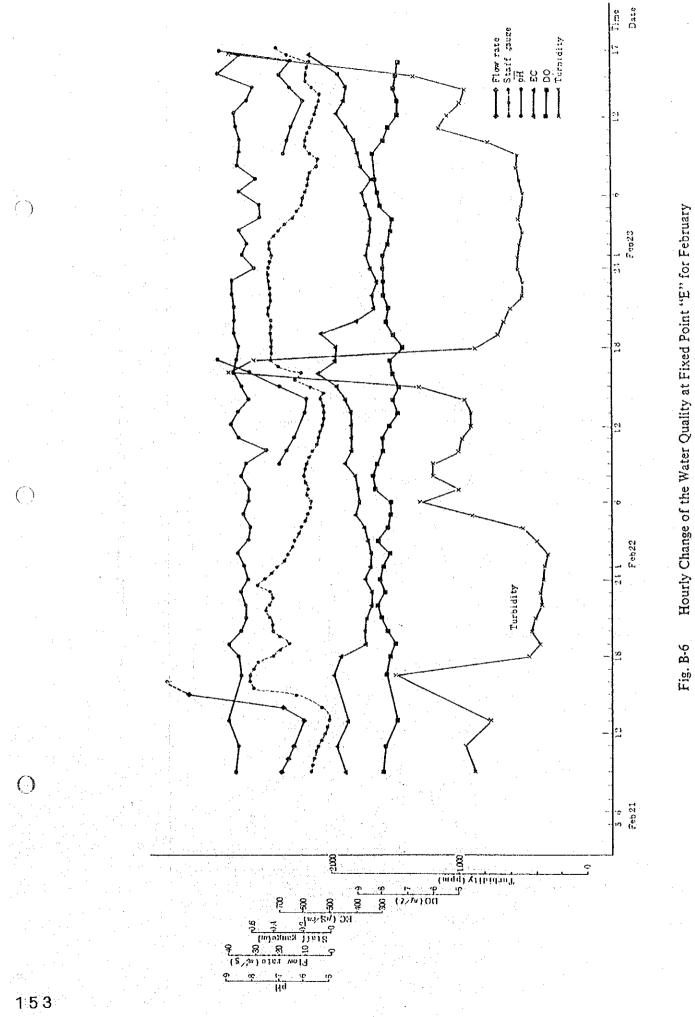


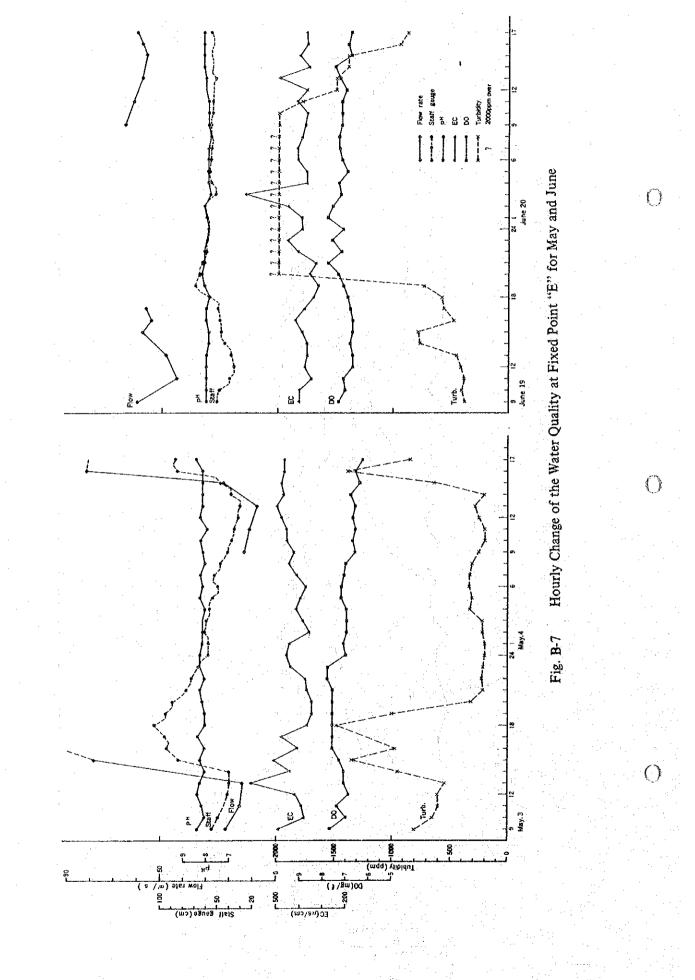


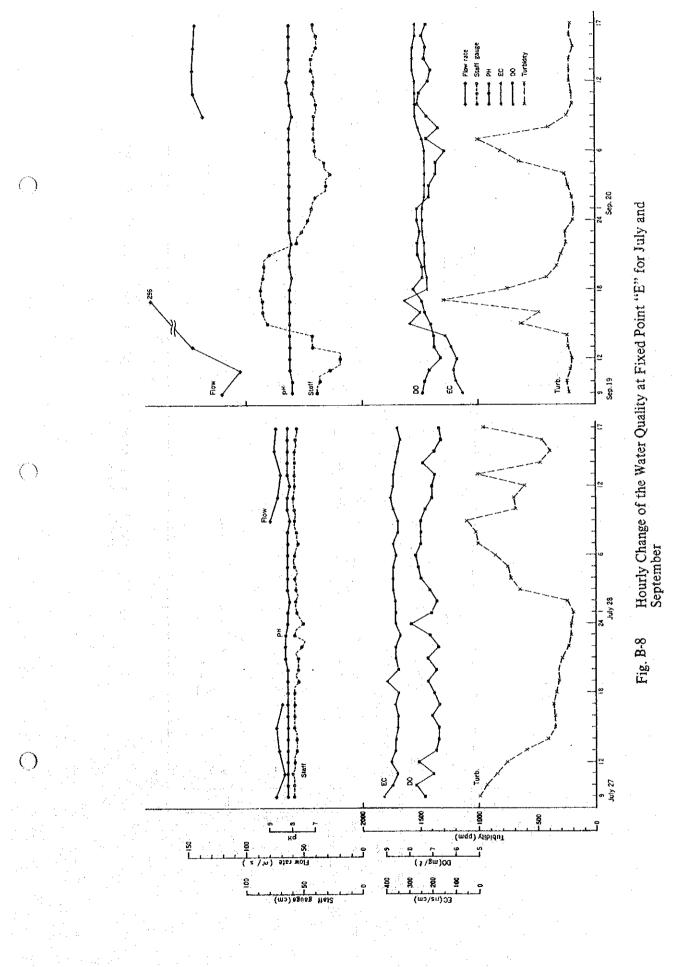


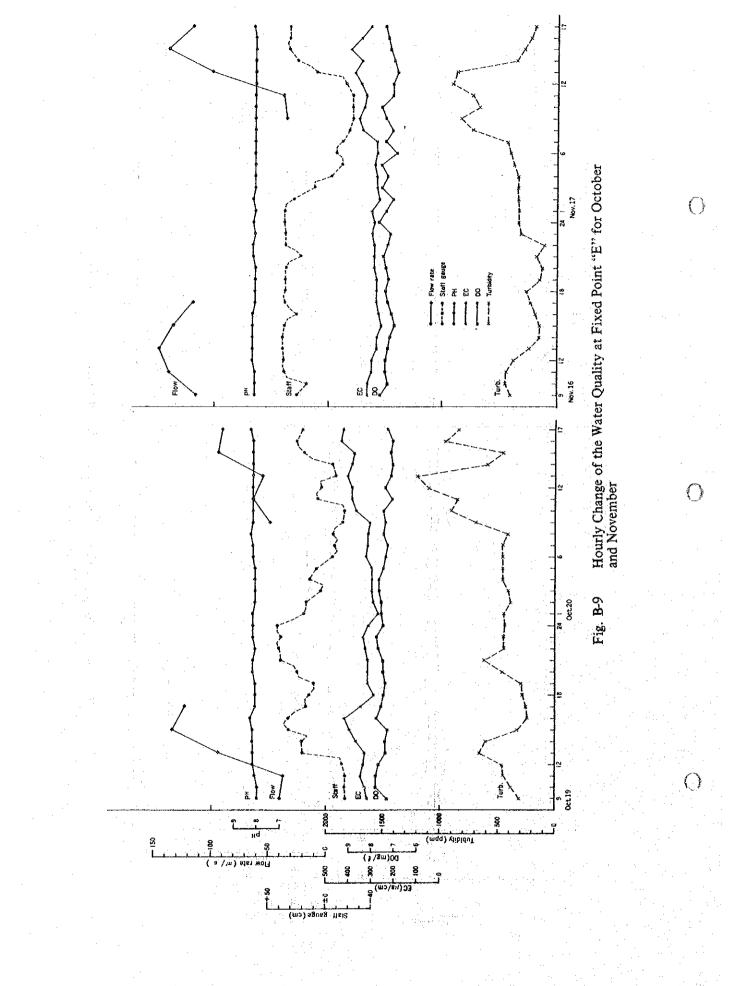












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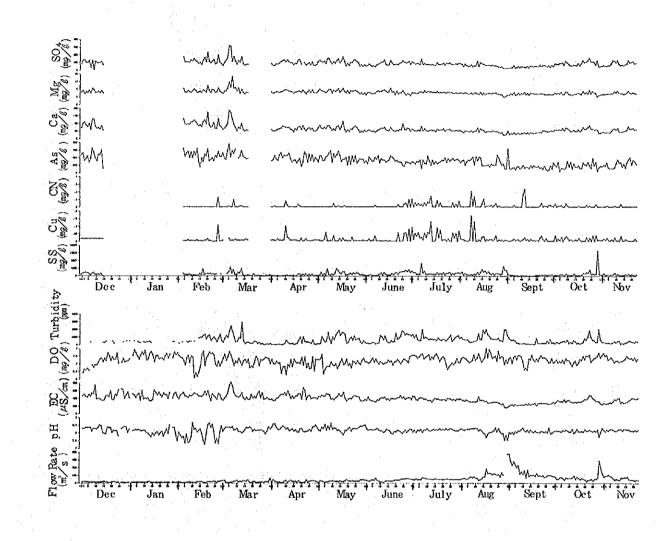
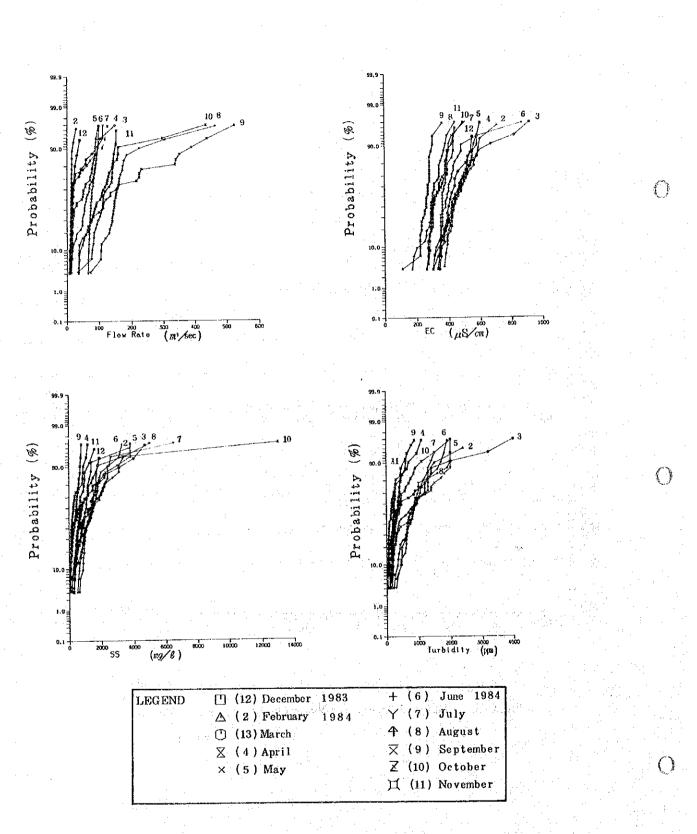


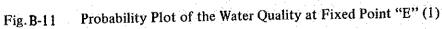
Fig. B-10 Daily Change of the Water Quality at Fixed Point "E"

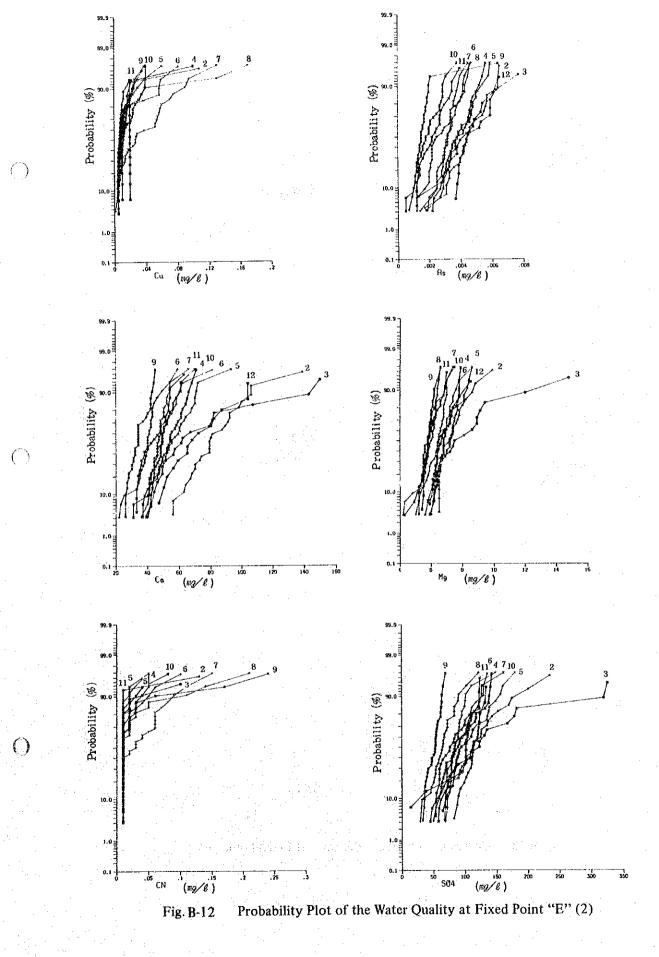
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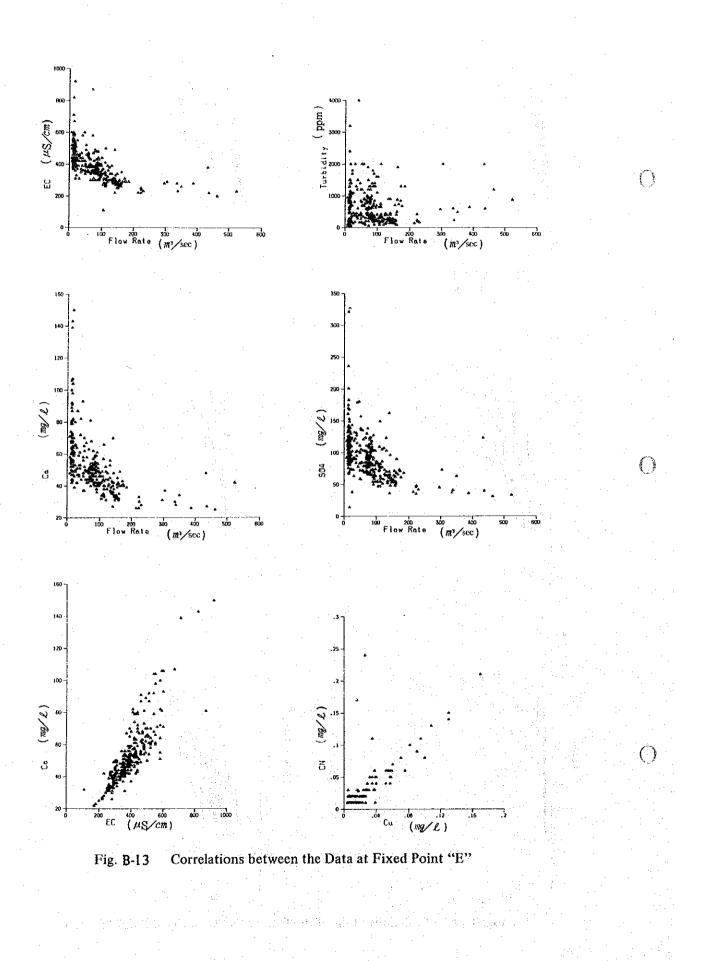
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APPENDIX "C"

DATA OF THE INVESTIGATION OF POLLUTION SOURCES

CONTENTS FOR APPENDIX "C"

DATA OF THE INVESTIGATION OF POLLUTION SOURCES

		Page
1.	Scope of the Investigation	C-1
2.	Natural Pollution	C-1
3.	Pollution Caused by Mining Activities	C-1
	(1) Mine drainage	C-1
	(2) Mill tailings	C-2
	(3) Tailing dams	C-4

LIST OF TABLES FOR APPENDIX "C"

Table C-1	CHEMICAL ANALYSES OF SEDIMENTS IN THE AMBUKLAO RESERVOIR AND THE BINGA RESERVOIR
Table C-2	CHEMICAL ANALYSES OF MINE DRAINAGES
Table C-3	OBSERVATION RECORDS OF MILL TAILINGS
Table C-4	CHEMICAL ANALYSES OF MILL TAILINGS (FILTRATE)
Table C-5	CHEMICAL ANALYSES OF MILL TAILINGS (SOLID)
Table C-6	CHEMICAL ANALYSES OF TAILING DAM UNDER- DRAINAGES

LIST OF FIGURES FOR APPENDIX "C"

Fig. C-1	Drilling Logs at Philex (PS21–PS23) and Benguet (BS21–BS23) Tailing Dams
Fig. C-2	Location Map of Philex Mine
Fig. C-3	Map of Sampling Points in the Philex Mine
Fig. C-4	Location Map of Benguet Mine
Fig. C-5	Map of Sampling Points in the Benguet Mine
Fig. C-6	Location Map of Itogon Mine
Fig. C-7	Map of Sampling Points in the Itogon Mine
Fig. C-8	Sampling Points of Sediments in the Binga Dam
Fig. C-9	Sampling Points of Sediments in the Ambuklao Dam (1)
Fig. C-10	Sampling Points of Sediments in the Ambuklao Dam (2)

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APPENDIX "C" DATA OF THE INVESTIGATION OF POLLUTION SOURCES

1. Scope of the Investigation

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165

Within the framework of the investigation of pollution sources, field observations and samplings were carried out.

In the investigation, the sediments in the Ambuklao and the Binga reservers were considered as the representatives of natural pollution sources. On the other hand, investigation was made into mine drainages from five adits of the mines belonging to Philex, Benguet and Itogon, tailings left in three mill plants, and tailings in the four tailings dams as sources of pollution by mining activities.

2. Natural Pollution

To ascertain the degree of natural pollution, sediments in the Binga reservoir were collected and chemically analyzed in the 1st stage survey. This resulted in Table C-1 "Sample BD103" which shows a high content of Cu (640 ppm) and S (0.14%). This site of observation was judged to be influenced by the mineralized zone including Sto. Niño Mine located above the Laboy River which flows into the Binga reservoir from its right bank.

Therefore, in the 2nd stage survey, the chemical analysis was done on samples taken from the sediments located above the point of inflow of the Laboy River into the Binga reservoir and the one found in the Ambuklao reservoir.

The results of chemical analysis are shown in Table C-1.

The samples subjected to the analysis were made by utilizing a 2mm size sieves. To determine the grain size distribution of the sediments a sieve analysis and a precipitation test were conducted in the field. The results of the tests are shown in Appendix D together with the results of the field laboratory tests.

3. Pollution Caused by Mining Activities

(1) Mine drainage

Mine waters were mainly drained from five adits in the investigated area. They are: two adits of Philex Mine (1020 ml, 745 ml); two adits of Benguet Mine (Acupan, Antamok); and one adit of Itogon Mine (1300 ml). At the drainage outlets, the flow

-C.1

rate and the water quality were observed once in the 1st, 2nd and 3rd stage surveys and filtrates were collected for analysis. The results of observations and analysis are given in Table C-2.

A new drainage adit was started in the Acupan 2325 mL in early 1984, and therefore, drainage samples marked "Benguet Acupan" and "Benguet Acupan 2325" in the 3rd stage are equivalent to "Benguet Acupan" in the former stages.

The features of the mine water drained from each of the adits mentioned above are as follows:

Water temperature:

The water temperature is high in the Benguet Acupan, which indicates that this is a geothermal area.

pH:

Neutral to alkaline in general. Acid water which is usually found in mining areas was found only once in the Benguet Antamok on August 1st.

EC:

EC was detected in the water drained from the Benguet, Itogon and Philex Mines in the order of their highness.

Dissolved heavy metals:

Cu and Zn concentrations are high in the water drained from both the Benguet adits, As concentration is particularly high in the water drained from the Acupan adit. Pb, Cd and Hg are all below the limit of detection.

CN:

CN was detected in the water drained from both the Benguet adits. From this it can be deduced that the pollution is caused by the water seeping out of the tailings that filled in the pit. Cu and Zn concentrations were detected probably for the same reason.

(2) Mill tailings

A measurement of water quality and a collection of filtrates and solid samples for analysis were conducted once in the 1st stage survey and twice each in the 2nd and 3rd stage surveys from the mill plants of the Philex, Benguet and Itogon. Samples for field testing were also collected additionally. \bigcap

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i) Observations

The records of the observations are shown in Table C-3.

pH:

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The Benguet and Itogon mill plants are refining by cyanidation and for this reason pH is controlled to obtain alkalinity. At the Philex floatation plant pH is also controlled to secure alkalinity in order to suppress pyrite. The tailings from all the 3 mill plants are therefore alkaline.

EC:

EC was detected in the water drained from the Benguet, Philex and Itogon in the order of their highness:

ii) Filtrates (-5µ)

The results of the analysis of the filtrates are given in Table C-4.

Dissolved heavy metals:

Cu- and Zn-concentrations are high in the filtrate from the Benguet and Itogon. As-concentration is high in the filtrate from the Itogon.Pb, Cd and Hg are all below the limit of detection.

CN:

CN concentration is high in the filtrate from the Benguet and Itogon where the refining is done by the cyanidation method.

iii) Solid materials $(+5\mu)$

The results of the analysis of solid materials are shown in Table C-5. As shown in the table, the tailings from the Philex has a slightly higher Cu-content and a lower content of other constituents than those from the other two mills.

The tailings from Benguet have a high content of As, Hg, Zn, Cd and Pb as typical features of an epithermal ore deposit in addition to a high S-content. The tailings from the Itogon indicate similar properties as those of the tailings from the Benguet except that As-content is tendentiously higher and the contents of Zn, Cd and Pb are lower in the former than in the latter.

iv) Coarse grain part in the tailings from the Philex Mine

In the model test mentioned later, the coarse grain part in the tailings from the

- C-3

Philex mill is used. The results of analysis of these samples indicate Cu 2,800 ppm, Zn 47 ppm, As 26 ppm and S 0.38% so that they have a high Cu degree about 6 times that of the content of the whole solid. Similar tendencies could be observed with the samples taken for the extraction test from the dam body of the Philex Dam No. 1.

Classifying the tailings from the Philex into coarse and fine grain parts indicated that Cu was concentrated in the coarse grain part.

3) Tailing dams

Tailings stored in tailings dam can be considered to be different in the oxidation state from the ones which have just been discharged from a mill plant. The 1st stage survey studied the Philex Dams No. 1 and No. 2 as well as the Benguet Phase 1 Dam and Phase 2. Iron oxides could be observed on the surface at the Benguet Phase 1 Dam which is now out of operation but no indication of an oxidation could be detected in the other dams at least by a visual inspection, pre-sumably due to a high water level.

The 2nd stage survey was carried out to see changes in proportion to depth. For sampling, 3 holes of 10 m depth were bored each in the Philex Dam No. 1 and the Benguet Phase 1 Dam. The results of sample observation are shown in Fig. C-1.

The samples taken from the body of the Philex Dam consisted of blueish tailings of coarse grain size (cyclone underflow) which did not indicate any substantial qualitative difference. The results of analysis (see the notes on the extraction test) indicate that a higher content of Cu was detected in PS23 than in PS22 and PS21. The samples taken from the side close to the cyclone are of high Cu-content. No remarkable difference could be observed in proportion to depth.

The samples collected from the Benguet tailings dam could be visually classified into 5 layers; namely, from the bottom, a blueish and compacted layer; a blueish and sticky layer; a blueish and compacted layer; a yellowish layer and a relatively recent blueish tailings. Oxidation could be seen visually in the yellowish layer only. The results of analysis indicate that a higher content of Cu was found in BS21 than in BS22 and BS23. This means that the samples taken from the area close to the mill plant have a relatively high Cu-content. No remarkable difference could be seen in proportion to depth.

Each of the tailings dams has a diversion tunnel, a culvert, a penstock or a spillway to discharge seepage water, rain water and clarified water. Seepage water discharged through the culvert at the Philex. Tailings Dam No. 1 and Benguet Phase. 2 Dam was observed and sampled for reference in 2nd and 3rd stage surveys.

As the results shown in Table C-6, the pH is lowered to neutral and Zn concentration is remarkably decreased on the seepage at the Benguet Phase 2 Dam in comparison with those values of tailings just discharged from the Mill to the Dam.

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Table C-1 CHEMICAL ANALYSES OF SEDIMENTS IN THE AMBUKLAO RESERVOIR AND THE BINGA RESERVOIR

Sample No.	Location	Cu (ppm)	Zn (ppm)	As (ppm)	S (%)	Pb (ppm)	(mqq) DD	Hg (ppm)	Mn ppm	Fe (%)
AD 201	Ambuklao Dam	87	120	6.4	<0.10	15	0.4	0.01	910	4.78
AD 202	-ditto-	100	140	6.6	<0.10	25	0.5	0.02	1,000	5.55
AD 203	-ditto-	110	150	8.4	<0.10	29	0.5	0.01	880	4,72
AD 204	ditto	72	110	7.3	<0.10	13	0.3	0.01	780.	4.58
AD 205	-ditto-	. 69	150	2.7	<0.10	23	0.4	0.01	1,100	4.76
AD 206	-ditto-	55	130	2.6	<0.10	17	0.3	<0.01	006	4.14
AD 207	-ditto-	37	76	1.9	<0.10	7.5	0.2	<0.01	520	4.11
BD 201	Binga Dam	45	70	с <u>с</u> С	<0.10	5.6	0.1	<0.01	600	4.37
BD 202	-ditto-	54	85	3.7	<0.10	7.4	0.2	<0.01	710	4.66
BD 203	-ditto-	48	82	3.5	<0.10	6.1	0.2	<0.01	720	4.96
BD 103	ditto	640	140	5	0.14	13	77 V	<0.1	810	5.0
Average*	*	68	111	5.0	<0.10	15	0.3	0.01	810	4.66

* BD 103 excluded

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Table C-2 CHEMICAL ANALYSES OF MINE DRAINAGES

				•		1		4		4			
Sample No.	Locality	Date	r low Kate (m ³ /s)	water Temp. (°C)	Ηd	EC (#S/cm)	Cu (mg/g)	Zn (mg/g)	AS (mg/2)	Ca (mg/g)	Mg (mg/l)	CN (mg/g)	SO4 (mg/g)
1111	Philex 1020 mL adit	Nov. 30	0.082	22.0		270	<0.02	<0.01	0.0011	39	4.4	l	62
PT31	- ditto -	July 28	0.15	21.0		450	<0.005	0.025	0.0020	40 610	5.3	10.02	54 151
PT12	Philex 745 mL adit	Dec. 3	0.30	24.0		006	0.05	<0.01	0.0030	220	4.4	1	375
PT22 PT32	- ditto - - ditto -	Feb. 11 July 28	0.32 0.33	20.5		860 910	0.02	0.02	0.0013	170 166	3.8 0.8	10.07 0.01	364 300
						} (.)	2		1
BTH	Benguet Antamok	Nov. 30	0.42	26.0		1900	0.03	1.20	0.0023	564	42.4	1	1090
BT21	- ditto -	Feb. 15	0.30	29.5		2300	0.585	0.11	0.0150	670	47.5	0.99	1290
BT31	- dítto -	Aug. 1	0.53	25.0		2300	1.300	1.60	0.0013	450	59.5	<0.01	1415
BT12	Benguet Acupan	Dec. 1	(0.08)	34.0	8.0	2600	0.03	0.08	0.512	676	17.4	Ļ	1057
BT22 bT23	- ditto -	Feb. 15	Q Q Z Z	36.5		2500	0.155	0.02	0.820	610	14.0	0.46	1128
		TC Ame		0.04		TOUD	ccn-n	11.0	0700.0	040	7.70	0.0	10/4
BT33	Benguet Acupan 2325	July 30	(0.26)	43.5		2500	0.008	0.030	061.0	400	17.2	<0.01	1235
1111	Itogon 1300 mL	Dec. 2	0.095	30.5		1500	<0.02	0.02	0.0564	392	32.8	1	639
1121 1731	- ditto - ditto	Feb. 17	0.057	28.0		1600	<0.01	<0.02	0.0480	272	31.5		743
		or fran	200-0	0.4.7	. 1	0004	200-0	010.0	000010	447	0.05	10.07	C41
- : No data												•.	
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Sample No.	Locality	Date	Flow Rate (m³/s)	Water Temp. (°C)	pH	EC (#S/cm)	SS (mg/ዩ)
PM11	Philex	Nov. 30	(0.1)	30.0	9.4	2,100	190,000
PM21	ditto	Feb. 11		26.0	9.3	2,700	440,000
PM22	-ditto-	Feb. 12		26.0	9.6	2,500	350.000
PM31	-ditto-	July 27	. ··	26.0	12.0	2,200	220.000
PM32	-ditto-	Aug. 8		23.0	11.4	2,500	200,000
:							-
BM11	Benguet	Dec. 1	0.012	25.5	11.3	2,900	290,000
BM21	-ditto-	Feb. 15	0.047	26.0	12.1	4,100	270,000
BM22	-ditto-	Feb. 23	0.043	31.0	10.8	2,800	260,000
BM31	-ditto-	July 30	0.088	24.0	11.3	2,700	60,000
BM32	-ditto-	Aug. 9	0.073	25.0	11.3	2,600	230,000
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IM11	Itogon	Dec. 2	_	22.5	10.4	630	66,000
IM21	-ditto-	Feb. 17	_	23.0	11.4	1,400	330,000
IM22	-ditto-	Feb. 24		24.0	11.2	820	590,000
IM31	-ditto-	July 30	-	21.0	9.6	910	35,000
IM32	-ditto-	Aug. 10	_	21.0	10.7	880	130,000

Table C-3 OBSERVATION RECORDS OF MILL TAILINGS

– : No data

Table C-4 CHEMICAL ANALYSES OF MILL TAILINGS (FILTRATE)

Sample No.	Locality	Date	Cu (mg/l)	Zn (mg/Ջ)	As (mg/l)	Ca (mg/R)	Mg (mg/l)	CN (mg/l)	SO4 (mg/l)
PM11	Philex	Nov. 30	0.04	< 0.01	<0.0005	760	14.0		1600
PM21	-ditto -	Feb. 11	< 0.01	< 0.02	0.001	728	8.8	<0.01	1,584
PM22	ditto-	Feb. 12	0.01	<0.02	0.001	720	12.0	0.01	1,533
PM31	-ditto	July 27	0.005	0.014	<0.0005	520	0.3	< 0.01	1.465
PM32	-ditto-	Aug. 8	<0.005	0.008	<0.0005	292	0.1	0.04	1,568
BM11	Benguet	Dec. 1	22	³ 10.7	0.0067	840	0.4		1,458
BM21	-ditto-	Feb. 15	39	<u>1</u> 5	0.0039	920	0.4	170	1,443
BM22	-ditto-	Feb. 23	29	25	0.0078	720	0.7	150	1,587
BM31	-ditto-	July 30	13.9	7.5	0.0043	576	0.4	98	1,543
BM32	-ditto-	Aug. 9	22.0	14.0	0.0029	360	0.3	150	1,606
	•	, e						100	-,000
IM11	Itogon	Dec. 2	0.02	3.6	0.1021	92	0.6	· _ ·	90
IM21	-ditto-	Feb. 17	17	6.5	0.0505	134	0.6	90	234
IM22	-ditto-	Feb. 24	16	6.0	0.072	122	0.2	65	212
IM31	-ditto-	July 30	3.9	1.0	0.0750	38	0.6	4.4	87
IM32	ditto	Aug. 10	5.7	2.1	0.0330	122	0.5	37	298

- : No data

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Table C-5 CHEMICAL ANALYSES OF MILL TAILINGS (SOLID)

5.80 5.06 5.00 3.28 3.44 4.80 5.04 4.25 4.10 3.55 3.85 <u></u> щ % 4 0 5.3 5.2 650 600 570 780 3,300 3,300 2,600 2,000 2,600 2,200 2,500 2,600 600 3,400 2,400 Mn 0.29 0.36 0.38 0.29 0.25 0.25 0.28 0.47 <u>{0.0</u>} <0.0) ≤0.01 0.01 0.3 0.5 . Bhin ... V 2.0 0.8 6.1 0.6 bpm Cd 2.6 2.3 1.1 8 8 1.1 8.1 8 3 Ø Ó 2.0 2.0 1.8 2.2 4.7 or ppm 200 200 200 200 200 5 24 32.32 41 0.40 0.19 1.16 0.23 0.19 2.27 2.36 2.50 2.86 2.86 2.93 1.20 2.12 1.13 0.26 0.27 1.29 2.23 8 N 1.4 1.2 1.1 1.1 As Ø 57 81 220 280 150 160 78 69 76 Zn So 710 880 640 410 44 20 55 SS 580 700 270 380 ŝ 260 300 45 330 270 240 240 230 120 1200. 910 250 230 130 130 130 bpm Cu 470 500 400 430 120 Description original original No. 3+ original No. 3+ No. 3+ No. 34 No. 34 No. 3+ No. 3+ No. 3+ No 3+ No. 3+ No: 34 No. 3+ No 3+ No. 3+ No. 3+ Sampling Date Mar. Aug. July Mar Dec. Mar. July Mar. Dec Mar. July Aug Aug. July Dec. Mar. July July Locality Benguet Benguet Benguet Benguet Benguet Benguet Itogon Itogon Itogon ltogon Itogon Philex Philex Philex Philex ltogon Philex Philex Sample No. BM110 PM110 PM210 PM220 PM310 PM320 PM325 **BM210 BM220** BM310 **BM320 BM325** IM220 IM310 **IM110** IM320 IM210 IM325

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Table C-6 CHEMICAL ANALYSES OF TAILING DAM UNDERDRAINAGES

· · ·	Sample No.	Locality	Date	Flow Rate (m ³ /s)	Water Temp. (°C)	Hď	EC (µS/cm)	Cu (mg/2)	Zn (mg/2)	As (mg/2)	Ca (mg/2)	Mg (mg/2)	CN (mg/g)	SO4 (mg/g)
	PW21 PW31	Philex Philex	Feb. 12 Jul. 27	(0.05) 0.23	26.0 24.0	6.9 6.6	2200 1800	<0.01 <0.005	<0.02 0.015	0.0005	620 328	17.0 12.6	<0.01 <0.01	1186 918
	BW21 BW22 BW31	Benguet Benguet Benguet	Feb. 23 Feb. Jul. 31	0.044	27.0 26	6.8 _ 7.1	3200 - 2800	15 14 3.6	0.04 0.75 0.025	0.057 0.260 0.100	700 590 416	19.5 18.0 20.0	21 25 3.6	1474 1596 1504

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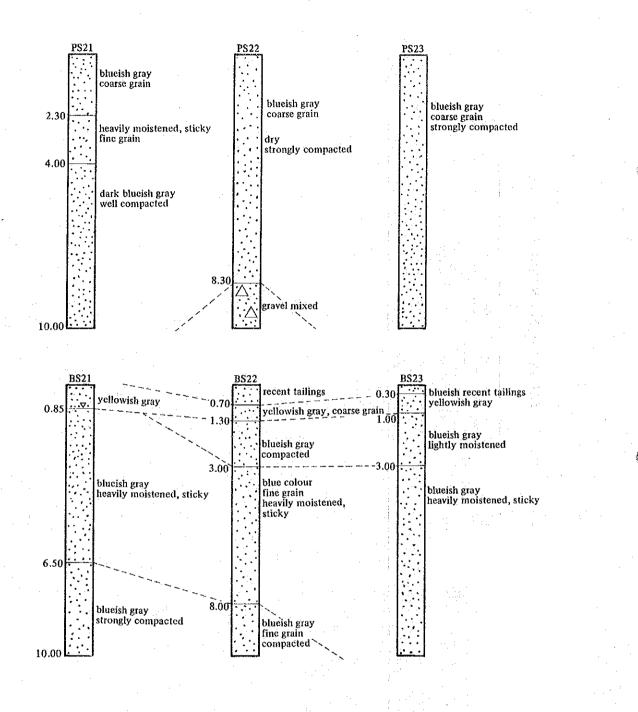


Fig. C-1

Drilling Logs at Philex (PS21–PS23) and Benguet (BS21–BS23) Tailing Dams



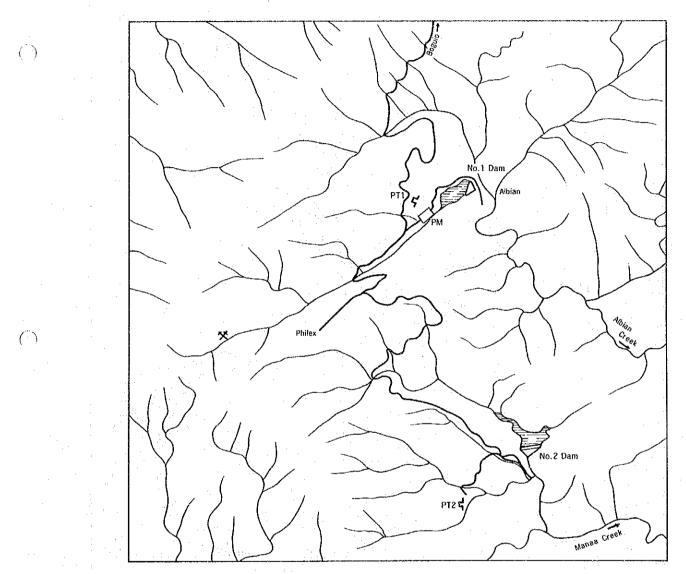
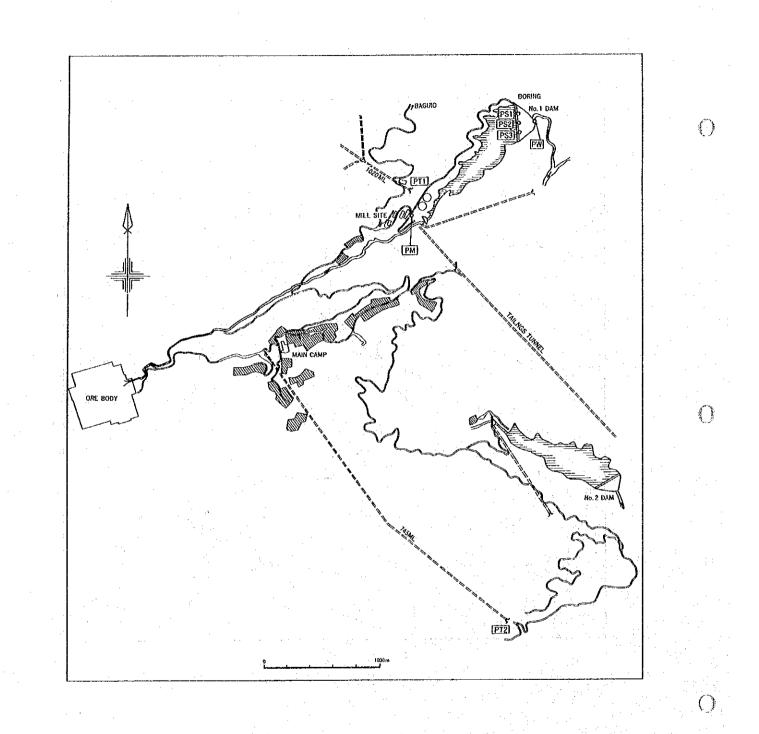
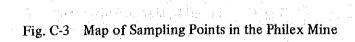


Fig. C-2 Location Map of Philex Mine

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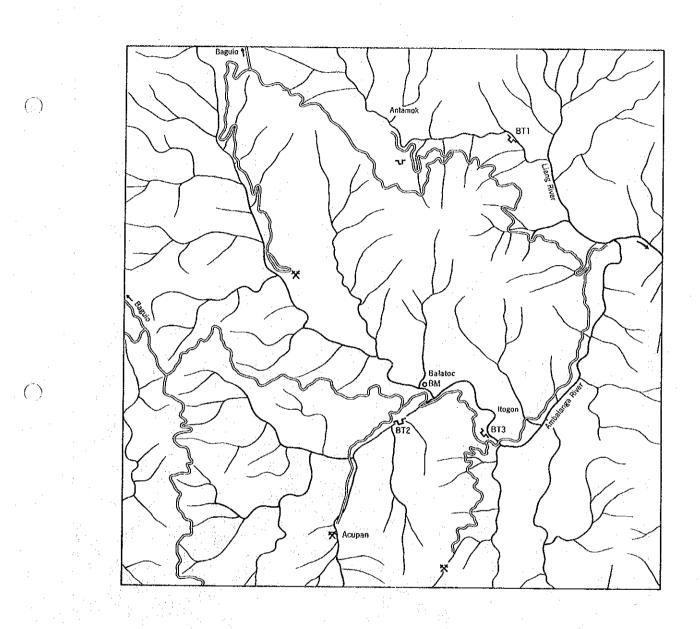


Fig. C-4 Location Map of Benguet Mine

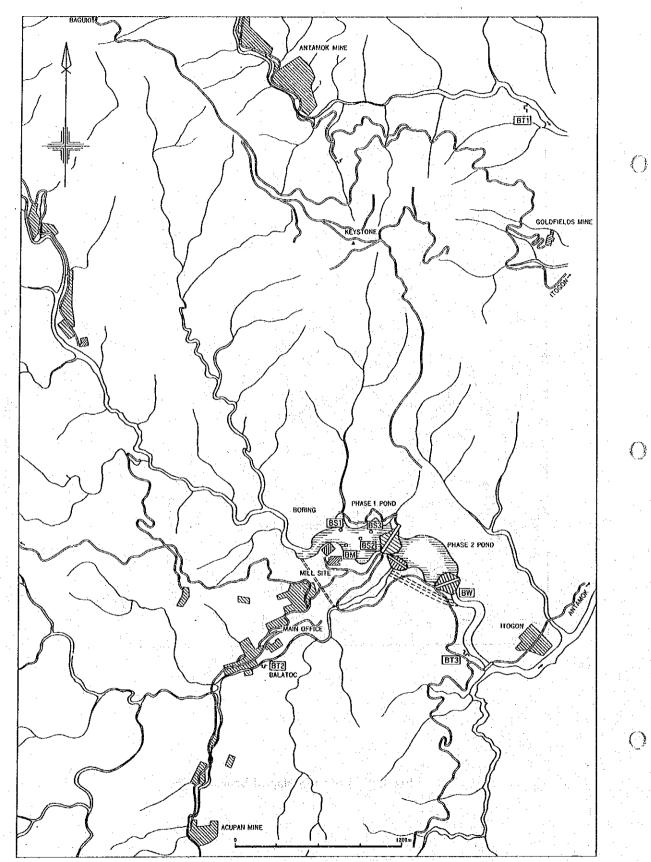


Fig. C-5 Map of Sampling Points in the Benguet Mine

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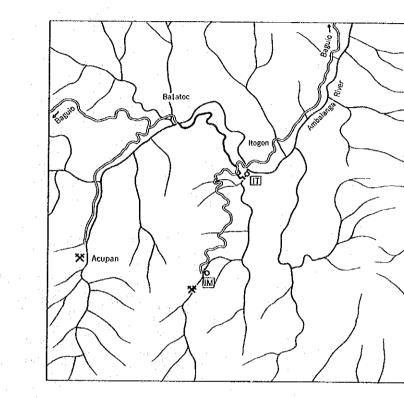
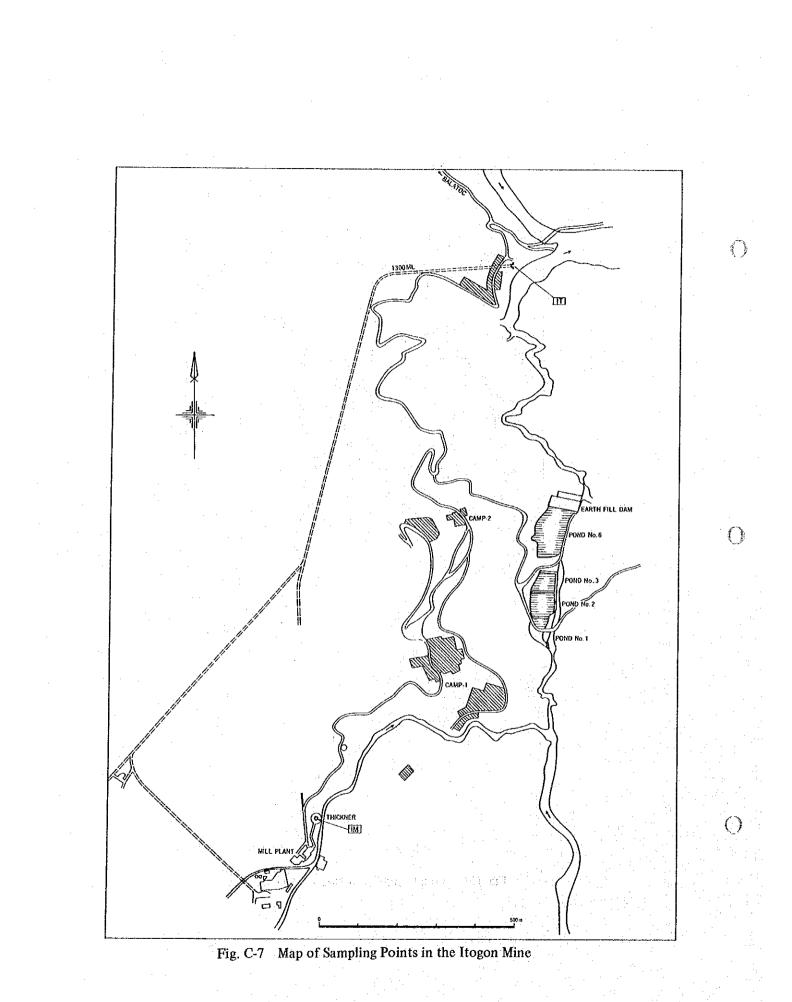


Fig. C-6 Location Map of Itogon Mine



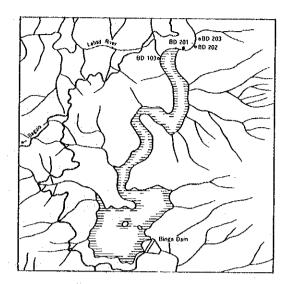


Fig. C-8 Sampling Points of Sediments in the Binga Dam

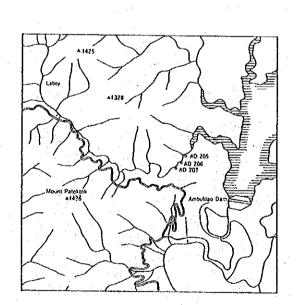


Fig. C-9 Sampling Points of Sediments in the Ambuklao Dam (1)

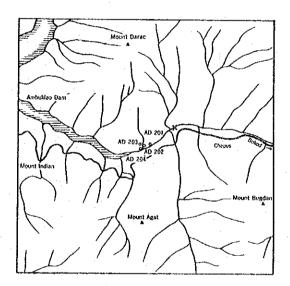


Fig. C-10 Sampling Points of Sediments in the Ambuklao Dam (2)

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