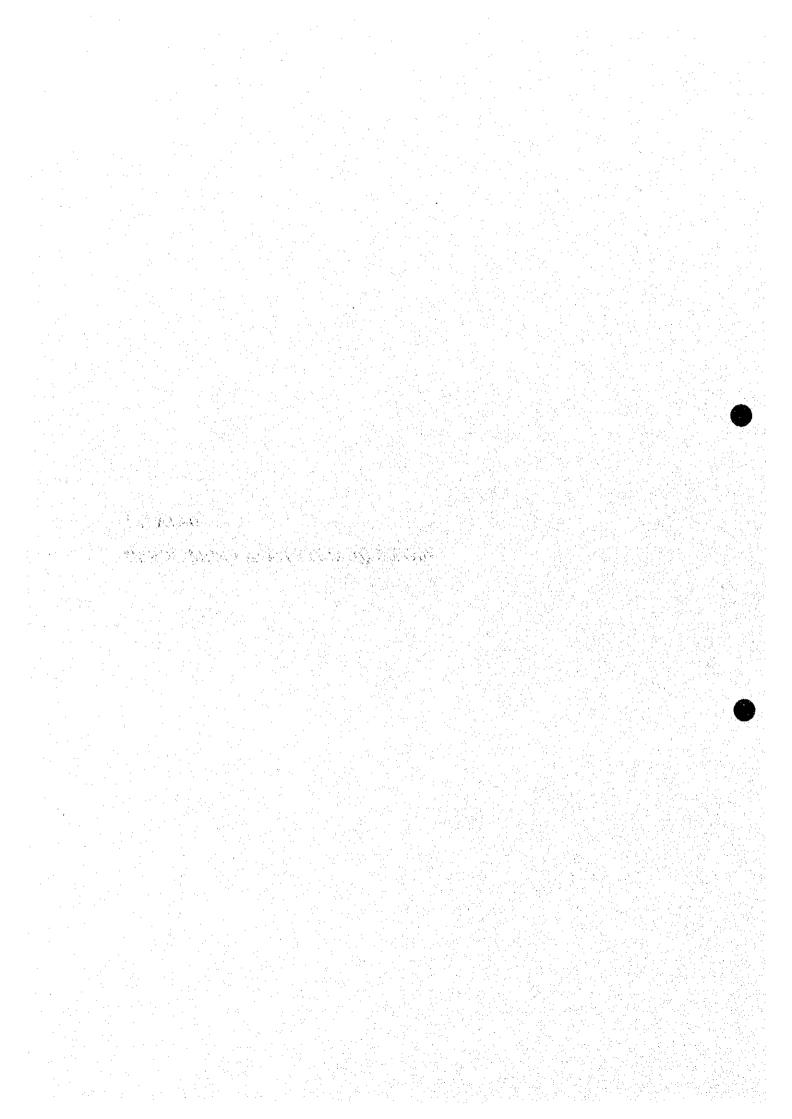
DATA BOOK FOR SUPPORTING REPORT G WATER QUALITY

DATA G.1

WATER QUALITY DATA FROM NCESD



Kostenetz on Maritza River (Station No 30060084)

Date	Q	Trie	Test	Ph	90 <sup>4</sup>	DO <sub>ca</sub> *5	EC	BOD5	Oxid <sup>1</sup> (permen)	COD,,	DS	88	Ci	SON	NH4-N	NOI-N	NO3-N	PO4	HIS	Fe	Ma	C.	Mg
3-Feb-87	(m3/s) 0.0	(°C) 3 0	(°C) 0.4	7.6	(mg/L)	(%) 95	<del></del>	(mg/L)	(mg/L)	(mg/L)	(mg/L) 267	(mg/L) 59	(thg/L) 25	(mg/L)	(mg/L)	(mg/L)	(mg/L) 1.27	(mg/L)	(me/L)	(mg/L) 2.95	(mg/L)	(mg/L)	(mg/L
3-Mar-87 14-Apr-87	1.0	11.0	6.0 9.2	7.8	. 114	91		108	J J . Ē		240 240	50	26	80	06		32			0.5			
7-May-87 2 Jun 87	0.2	55.2 16.0	13.6 10.2	6.0 7.5		71 99	)	1.5			278	85 77	22 20	. 64 55	0 69 0 66		10.15		`	0.1		29	
8-Jul-87 20-Aug-87	0.1	18.5 30.0	16.2 24.0	7.5 7.5		97 75		18.5	133		2?2 290	34,	24	54	0.1 0.51		241		; 6			23	
31-Aug-87 1-Oct-87	0.t 0.5	14.0	95	7.0	10.2			6.4	14 t 6.95		175 220	60 34	18	61	i		. 0			0.7	ľ	• • • • • • • • • • • • • • • • • • • •	
9-Nov-87 1-Doc-87	0.2	170	7.0 7.5	7.5 7.8	10.2	79		4.3			280 203	6 74	4 21	55 71	0.38		3.43			0.36		35	
6-Jan-88 16-Feb-88	0.4	11.0 6.6	8 O 5 2	7.5 6.8	10.5		,	7.5			226	36	29	78	2.05		0.86			0.1		31	
31-Mar-88	0.7	140	103	7.5 7.5	9.8			5.7	13.6		224 233	34 20	15	57	03		1.9					32	
7-Jul-88 15-Aug-88	0.2	28.0 29.8	23.0 21.2	7.5	7.5 6.6	61		20.5	14 2		212 225	34 293	i7	145	197		4.5 0.95		c	0.18		35	
5 Oct-88 4 Nov-88	6.1	8.8	8.4	7.5	IB.3	30 101		2	13.5		202 298	20 61	33	70	0 1 23		5 2.47			01	) [	14	٠,
4-Jan-89 15-Feb-89	5 - 1 m - 1 m - 1 m - 1 m	6.0 3.6	2.0 6.2	7.5 7.2				20.5	12.6 10.6		192 237	28	36	120	0 3.38		3.06			0.1		30	
13-Apr-89 10-May-89		13.0 20.0	8.0 13.6	7.0	10.2			4	23.4 7.1		220 304	28 17.	13	55	0.1 0.2		0.3	'	, 0	0.7		23	
4 Jul 89 18-Aug 89		26.0 25.4	19.0 15.2	7.2 6.7	8.1	81		1.8	128		202 73	30 18		21	03		10		o	0.3		7	
3-Oct-89 28-Nov-89		17.5 2.8	14.0 4.2	7.5 8 0	9.2	8.8 102		26	9.5		210 170	30	26	72	0.2		15 3.71			0.3		25	
9-fan-90 13-Feb-90		4.0 2.8	1.0 4.2	7.5 B.3	12.7	89 75		0	I)		212 250	30 44	30	78	0.1		20 3 9	,		0.16		25	
12-Apr-90 7-May-90		19.4	7.0 15.0	7.5	10.8	83			15.8		218 189	30 42	5	52	0.16		. 15 1.14			0.5		29	
4 Jul 90 17-Aug-90		29.0 27.0	22.0 16.4	7.5 7.1	7,4	85 111	٠ <u></u>	4.2	31.6		286 78	34 55			0.16		0.99			0.1 0.2	• • • •	27.	
2-Oct-90 8-Jan-91	: : ::	180	15.0 6.0	7.5	8.9	81 90			15.8 13.9		292 269	36 34		!*. * * * *	0.3		10			0.1		*4	
5-Mar-91 1-May-91		21.6	3.0	7.2	13.1	97	348	8.9 15	11.5 14.2		304, 177.	80 19	35.5 16	173 40	0.43 0.26	0.04				0.12	0.1	26	
\$-lun-91 2-lul-91		110	16.0	1.8 7.5	9.9	100	302	9.1			202 280	54 32	21.3,	41.4	0.6	0.05		0		2.1			
22 Aug-91 11-Sep-91		22.6	17.8	7.4	7.7			10.55 5.57	7.7 4.88		203 171	9 <sup>t</sup>	20	48 37	. 0	0.09	1.6	···· ··· ·		0.47		25	
1-Oct-91 4-Nov-91		13.0 12.0	16.6 6.4	7.0	11.0			11.5	12.6 11.5		268 277	32 74	29	87	0.1		20 0.85		,	0.01			
3 Dec-91 8 Jan 92		8.0	5.0 4.5	7,6	12.4		271	9.4	2.5 12.6		241 243	30	24	70	0.7	0.03		0		0.15	o	27	
11 F-b 92 10 Mar-92	j	7.1	1.6	7.2 7.6	13.2			5.3	3.5		397 217	20 45	23 44	63 53	0.41	0.02	5.25			0.46		30	
8-Apr-92 5-May-92		17.0 23.2	10.0	6.9	10.0	84		6.3	. 22		262 271	30 30	48	66	0.1		20 2.57		 	0.13		28	
9-Jun-92 7-Jul-92		35.0	11.2	7.8	9.0		306	2.2			180 268	44, 30	22	37	L.I. 0.1;	0.06		0		0.15	:	32	
4-Aug-92 1-Scp-92		30.0	20.8 15.5	6.8 7.6	7.2	73		7.1 4.6	6.6	.7.2.7.	182 150	29 80	23 22	79 79	0.6	Ö. 17	1.68	· · · · · · · · · · · · · · · · · · ·	H			13 21	
14-Oct-92 5-Nov-92		6.0 16.5	10.0 12.0	7.0	9.9		,	14			258 184	30 55	15	49	0.2		10			0.0		17.3	
7-Dec-92 2-Feb-93		-777	4.9	7.6	ĨL2	9 <del>4</del>	272	8.9 4.2	9.4	52		106	17 29.8	12 38	0.5	0.11	0.6	0.1 0.12		1.1	ີ ວ	33 37.3	10.
2-May-93 6-Aps-93			2.5 9.9	7.4	. 14.5	111	340	3.1 4.9			214 261	2 82	17.5	48	0.09	0.03	E.09	0.05		0.34		31 30.6	
4-May-93 1-Jun-93	70.1		11.5	7.3	9,7		140	7.3	45		209 181	_10, 26	19.46	86.8 24	0.1	0.13	0.29	0.7		0.44		35.2	2.
6-lal-93 10-Aug-93	di di <del>.</del> di di <mark>.</mark>		17.4 18.1	6.8 7.6	8.1	84 71	299	14.2	8.2		218 481	7 2	15.2 26.4	77.5	01 29	0.7	0.36	0.05	i		0.29	35.8 29	÷
8-Sep 93 12-Oct-93	;		12.2 15.1	7.2	8.9		231	. 3.8	3 5.9		149 158	9 17	19.7	42 10.4		0.05	0.15	0.1	!	0.62		21.2 25.8	1.
2-Nov-93 1-Dec-93			5.2 3.5	7.6 8.1	8.9	74 83	199	3.7 9.3	2.6		125 259		30.4 29.1	23 27.3		0.08	0,17	0.14		0.2		31.9	1.
4-Jan-94 1-Feb-94			2.7	7.6	14.2		302	6.9	48		208	13	18.6	28 10	0.8	0.18	0.55	0.24	ľ"	0.2	0.04	28.8 28.2	6.
9-Mar-94 5-Apr-94		and the second	7.9	. 8.2 7.8	9.0	20	367	8.5	5.4		277. 252	0	29.4 15.9	43	0.82	0.05		2.12	ł	Č	Ŏ	31.7 39.2	. 6.
4-May-94 15-Jun-94			12.3	7.8	7.7	11	š į	4.9	6.6		224	34	19	50.3	0.78	0.14	0.24	0.96		0.88		43.2	11.
12-Jul-94 2-Aug-94	- 11.		15.1 15.8 16.5	7.2	6.5	70	)	6.2 4.3 3.6	5.35		205 192 167	10 0	14.8	35.5 41.3	0.65 0.78 0.9	0.34 0.06 0.18	0.41	0.18 0.26		0.5 0.28	0	34 29.3 23.1	
8-Scp-94 4-Oct-94			15.5	8.4 7.8	8.3	81 104	175	28			144	6	14.5 14.8	34 35	0.12	0.06	0.64	0.08 0.13		0.28		19 6 21.6	13.
1-Nov-94 1-Dec-94			10.8	7.3	6.9	67	292	3.9			213 245	27	21 21	. 47 47	0.39	0.01	0	0.13		0.44		30 32	. 13. 1 5.
IG-Jan-95 I-Mat-95	271.	· :	3.6 7.1	7.9 7.7			387	7.48	3.6 6.1		276 250	0 1	31 18.4	58 51 7	0.8	0.01	1.8	0.2		0.28	0	38.5 36.1	16.
4-Apr-95 2-May-95			6.9	7.8 8.2	23.1	197	270	6.8	7.3		246 211	100 0	13.6 16.3	51.7	0.37	0.03		0.2		0.2 0.2 0.2	0.1	30.7 36.2	8. 4 3
1-Jun-95 4-Jul-95			15.9 18.0	7,7	ÿ	1	300	5,7	6.7		202 196		19 17.6	38 49 36.8	0.99	0.03		0.5		0.8	0	36.8 34	10.
8-Aug-95	ļ 13.	1	17.6	7.7	6.5	, ,	2 270		6.1		221		15.8	19.5	0.6	0.02	0.24	0.22		0.8	0	34	1
5-Sep-95 3-Oct-95			12.3	7.9 7.5	8.0	*	215	6.1 7.6			178 132	34 24	7.09 4.7	34.9 23	0 1.1	0.02	1.02	0.24		1.47 0.4	0	40.6	4.9
1-Nov-95 12-Dec-95		:	2.5:	8.2	12.6	94	·	10.9	7.6		124 192	0	16.1 22	35.7 57.1	0.66	0.05	1.07	0.3 0.32		0.4	0	34.7	16.
9 Jan 96 6 Feb 96		e i	3.3 2.3.	7.9 7.9	9.9	. 84	351	4.7	4.7		258 280 234	24 24 32	17.2 20.6 20.7	46.1 68.5 69.2	0.78	0.02 0.02 0	1.3	0.4 0.17 0.02		0.4 0.15 0	0.16	38.6 38.7 34.1	19. 1
5-Mar-96 2-Apr-96	T N. F		3.3 4.6	7.8	11.4	į le	245	3.53	6.15		203	66	9.88	52.5	0.98	0.01	1.9	0.9	Í.,	1.5	0	45.5	6.8
1-May-96 4-Jun-96			13.5 17.6	7.8 8.2	10.3	15	319	33	4.5		183 243	10 6	15.6	38.6	0.56 0.66	0.05	1.52	0.25 0.44		0.24	0	33.1 33.8	12
9 Jul-96 6-Avg-96			23.3	8.9		7	250		5.4		246 193	53 23	26 21	39 30 1	1.1 2.16	0.4	0	0.73		0.85	0	2.5 22.1	
4-Sep-96 1-O-1-96			18.5 11.8	7.7			2 282 342		6.7		192 296	18 0	18.4	21.4 20.4	0.19	0.06	0.04	0.52		0.49	0	22.1 47.7	9.
5-Nov-96 35403			9.5, 5.9	7.3		150 151			4.5 5.1		248 111	15	15.1 13.8	45 54.3	0.7 0.9	0.03		0.5 0.4		0.38		34.7 44	13. 14.
min	0.0	2.8	0.4 360	6.0	5.3	301	153.0				73.0	0.0	4.0	3.9	0.0	0.0		0.0				2.5	0.
mas	1.0	35.0 13.7	24.0 10.9	8.9 7.5	23.1	477.4		33.0 6.6				293 O 32.7	48.0 19.7	173.0 30.2	3,4	0.086		2.F 0.4				47.7 30.3	19.

<sup>\* 1:</sup> Dissolved Oxygen

<sup>2:</sup> Oxygen stursting in water

<sup>\*3:</sup> Electric conductivity \*4: Oxidizability (permangaoute)

Belovo on Maritza River (Station No 30060085)

Pala	Q	T <sub>a</sub>	T <sub>v+</sub>	Ph	DO*1	BO, 2 2	EC"	BOD5	Oald	COD.	DS	SS	Cı	S04 1	NH4N	NO2-N	NOLN	PO4	1125	Fe	Ma	C <sub>B</sub>	Mg
		(°C)	(°C)		mg/l.)	( <b>%</b> )		(mg/L)	(permen) (mg/L)	(mg L)					(mg/L)	(mg·L)	(mg/L)	(mg/L)	mg/L} (	mg/L)	(mg/L)	(mg/L)	(nig/)
Fc5-87 Mar-87	1.0	2.0 11.0	44 80	7.2	11.1	100 93		11.7	2.0 14.1		242 184	771	10	36	0.1		4.06 1.3		0	0.2	0		
Apr-87 May-87	3.4	9.0 15.1	. 80. 9.2	7.1 6.0	10.3	98 85					. 149	185 79	,	51	1.07		3.04			0.51		16	
Jun-87 Jul-87	6.2 2.1	17.0 23.0	16.0	7.6	98	93 100		2.4 4.6			, I(8 131	31 24	17	34	0.05		0.8		0	01	0		
Aug 87	3.6	30.5	15.0	7.0	11.7	109		2	16		164	9	6	19	0.12		3.04		_	0		19	
Aug 87 -Oct-87	1.1 2.0	14.0	13.5	7.4	9.6	96 100	•	238	2		201 202	2230	. 18	58	0.7		. 0.4		0	0.5	0	- 1	
Nov-87 Dec-87	0.5	17.5 12.0	9.8 9.0	7.6	10.7	. 90 86		12.5 17.6	13.1		201 180	19	8 11	50 61	0.39		0.7		. 0	0.2	o.	39	
Jan 88 Feb 88	0.3	8.5 6.4	8.6	7.3 7.0	12.4 19.0	100 12		95	14.4	۱	197	178	10	64	Q.1 Q.17	- :	3.2 0.97	. :	. Tan	0.1 0.14	· -•	10	
Mar-88			7.7	7.7	10.7	86		17.3	13.	Ú., 1	183	166			0.5		0	.1!			0	. 19.	
May 88 May 88	27.6	11.0 8.0	5.0 10.6	7.5 7.2	11.9	93 101		1.2			100 162	91 11	13	48	0.15	1 3	5.2 0.7			0.14		. 23	
Jun-88 -Fat-89	10.9	22.0	13 Q 13 Q	7.5 7.2	9.6	97. 91		6.1 0.48	7.1 B.		176	69			0.1		. 0 2.6		0	0.25	0.		
Aug 85 Sep-88	3.8 4.4	28.6	15.0] [4.0]	7.0	10.9 10.1	100	· · ·	, j4.5	8.		78 158	23 94	3	. 35,	0.11 0.2		0.42 0.1		1	0		19	
O:1-88	19.1	14.5	12.0	7.3	9.6	84		12	7.	i.	67	65			0.05		2.5			0.1	٠		
Nov 58 Dec 88	0.8 2.1	9.8	8.2 50.0	7.5	12.6	. 103 96		15.4			274 191	306	40	13.	0		2.53 0 i			0.11	. 0	23	٠.
Jan 89 Feb 89	٠.	3.4	3.0 6.4	7.4	13.2 9.1	. 98 71		21.5	14.		147	97	10	74	0.1		3.1 0.42		4, 4	0.5		20	
Mar 89			80	7.2	11.6	98 94	1.	20	17.		187	130			0.3		1.2				0.5		
Apr-89 May 89	3.4	13.0 20.4	11.0	7.5 R.0	106	101		. 9	8		245 251	75 2 98	13	36	0.8 0.12		4.8 0.7			0.2		26	
May-89 Jul-89	:	20.0	15.5	7.3	9.3 9.1	. 94 100		28.8			224	105			0.4 0.05	0.03	2.6		-, :	1.L 0.5	O		
Aug-89 Scp-89	- :	28.8	20 D	7.2 7.5	8.7 8.7	89 87		13. 19.1	10		182 150	76	16	55	0.2	0.04	8.74 0.5		1.1	0.05 0.4	,:	27	
Oct-89		18.0	\$6.0	7.3	8.5	24		4.	9.		170	63.1		ner je	0.2		2.5.			0.4	Y		
Nov-89 Jan-90	:	5.2	3.5	7.7	14.2	107 90		2.0	t		232	120	. 14,	.60	0.28		3.06		111	0.32		37	
Feb-90 Feb-90		6.1	6.6 6.0	7.5 7.8	10.8 11.5	84 97.		11.5 51.4			252 239	35 166	20 21	87 51	0.29 0.2	0.02	3.52 9.5			0.3 0.4	:	30	
Apr-90 May-90		12.0 23.4	9.5	13 7.5	10.4	- 91 97		10	38.		20.7 152	16 393	10		2 0,34		1.33			0.3 0.88	1	26	٠.
Jul 90		28.0	19.0	7.4	8.2	. 59		8.3	- 11		233	57		27	0.2		5	1		0.25			
Aug-90 Dec-90		23.5	19.6	7.5 8.1	9.9 12.6	102 99	290				208 159	83 79	17 21	44 53	0.25	0.03	1.35	0.05	: :	0.19		31	
Mar 91 May 91	:	24.6	129	7.5	13.6	98	303	9.	16.		297 146	84 33,	26 8 12	170	0.3	0.02	16.4 2.15			0.02		27	
Jen-91		19.0	11.0	8.1 7.2	9.8	98	254				152 167	71	19.7	39.4	0.4	0.03	0.9	0		0.36	0	·	
-Aug-91 -Sep-91			15.4	7.8	10.5	104 99	228	21.9	37.		184		12 19.6	28 28	0.3	0.02	1.52	0		0.34 0.94	0	24	
Oct 91 Nov 91		18.0	15.0	7.4	9.2 8.6						242	21L 76	7.	37	0.1		0.85	4-		0.35	٠. ٠	26	Ġ
Dec-91 Jan-92		6.D	1.0	1.0°	12.0	93 91	246	8			215 158	61 12	18	45	0.2	0.02	10	<del>.</del> .		0.4	. 0	1	
Feb 92 -Mar-92		7.0	3.8 6.0	6.8 7.8	130	109	128	9.	. 4.	7	194	17 89		19	0.5	0.00	5.25 0			0.43		3,3	١.
Apr-92		14.0.	9.0	7.5	11.4	100		6.		В,	133	22	19.	. 44	0.1	0.02	7			0.18	0		
May-92 -Jun-92		208	10.8	7.0	1.2 9.7	70 97		1.			115		10 17	28 26	0.1	0.03	2.73	0	:	0.23	0	16 28	
Jul 92 Aug 91		26.0 30.0	16.2	7.6 6.8	7.6 7.2			12.			226 143		10	40	0.05		4		, j	0.3		LB	
-Sep-92 2-Oct-92		12.5	18.0	7.7	9.5	91			12.	5	118		14	31	0 0.8	0.04	0.5	. 0		0.9	0	38	7
Nov-92	N .	17.0	12.4	R.G.	9.6	25			7 5.	5	210	80	14	70	0.16	<del>  </del>	1.34	177.1		0.07		21	
Dox 92 -Feb-93		** .	5.8 7.1	7.9	11.6	. 97	303		i i i		3 [47 213	45 13	26.J	3 L 63	0.1	0.01	0.5	0.1 0.13		2.3	0	32 39.7	٠.
Mar-93 Apr-93			9,8	7.8	13.1	103 126					226 191		13.3	236	0.1	0.03	1.12 0.52	0.09		0.52 0.65	, 0	36 35.5	Ú,
May-93 -Jun-93			12.7	7.7	[0.] 9.9	100	28	7,	1	5	172	17	9.73 103	68.7	0.2	0.03	0.33 0.32	0.4		0.44		38.1 28.1	
5-ful-93	1i		13.7	7.5	9.5	96	130	5 4.	3 4		51	6	4.2	20.2		0.03	0.21	0.08		0.44	0.05	17.9	
-Sep-93			16.3 12.4	7.5	9.6	96	210				225	12	8.5 4.1	17.9 15	0.1	0.03	0.15	0.13	*	11.1		28.6	4
2-Oct 93 Nov-93			. 16.2 8.8	8.1 7.5	10.7					7: 8	204		16.4	3.4 18.9	-, , <del>.</del>	0.03	02	0.3		0.76	:	45 28.2	
Dec 93			3.0	7.9 1.7	10.7	87	280	)	8	6	221 193	20	9.7 11.6	31.4	0.4	0.14	0.44					44.3	į.
Jan 91 Mar 94			8.9	8.3	10.3	. 68	32	7.	5 1	2	261	0	11.9	43	0.39	0.13	0.57 9.73	0		0	0.03	40.4 35.7	
Apr-94 May-91			(0.8 12.1	7.9 7.6	8.1			2 2 4		5 7	234 161		15.2	28.4	G.1 0.3	0.01	0.52	0.16		ō	0	47.2	;
5 Jun 94 2 Jul 94	•		14.5	7.9 7.5	6.5			4			128		8.8 7.8	38.1 <sup>2</sup> 20.7	0.19	0.11	0.6 0.25	0		1.08	0	27 32.6	٠.,
Aug 94 Aug 94			4.7 [4.3.	7.9 8.1	12.8 12.0					8	259 99	0	10	46	0	0.07	0.46	0	***	0.2	0	37.7	
Sep-94		•	17.3	8.4	8.3	آول ا	21	7: 2	7 3	7	183	` '0		26 43	0.4 0.32	0.03	Q.5 0.42	0.44		0.14	Ó	14.8 31.4	
43ct-94 Nov-94		:	18.1 13.4	7.8 7.4	10.0	106	17	8 3		3 4.	194		14.8	15 47	0.18 0.26,	0.02	0	0.1		. 0		32 42	*
Dec 94 3 Jan 95			5.1 3.9	7.5 7.8	10.8	102	30 25			3	\$6; 20			6 31	0.79 0.28	0.01	1.1	0	!	O.	0	. 40	. :
Mar-95			8.5	7.6	126		27	2 6	6 7	1	21	11	9.9	37.4	0.3	0.02	1.03	0		0.2	0	34.5 36.8	 
Apr-95 May 95			13.2	7.1 B 2	22.3 9.1		22		) B	4	225 19	12	13.5	24	0.21	0.02	1.2 0.8	0		0.06	Ó	29.5 37.6	
Jun-95 Jul-95			14.6 15.6	7.9 6.8	8.8	100	19			4	110		8.3 5.4	31 25.3	0.79 0.43	0.02	0.57			0.5		15.2 28	4
Aug 95		:	14.5	7.8	8.1 8.5	7. 81	. 14		7, 4	4	120	3	6.2	17.7	0.3	0.05	. 0	0	:	0.6	0	20.5	Ξ.
Sep-95 Det 95			12.5	7.3	8.5	8	2 22	7 3	2 4	6	23 13	20		26	0.4	0	0.25	0.1		0.6	. 0	40 40.7	
-Nov-95 2-Dec 95			11.8	7.9 8.3	13.2			4		.8 .2	8			38.4 6.09	0.2 0.37	0.01	0.6	0 a	- 44	0	. 0	37.8 L5	
Jan-96 Feb-96			3.3	1.9 7.9	12.5	100	26	4) 114	.8 3	3 4	23 24	2 18		34 2	0.21	0.02	1.33 1.2	0 004		0.3	٥	34.5 50.4	
Mar 96			. 14	1.9	14.1	3. [11]	. 6	7 1	8 i	A	5	1 0	14	9.9	1.26	0	0.34	0.01		0.08	0	39.2	
-Арг-Уб Мау-95	- :	1.0	5.5 7.2	7.2 7.8	10.3	5 16	3 8	0.	3 4	5	18	5	2.1	52.6 18	0 021		0.42	0.8	- 일 후	0.46		32 24.7	
-Jun-96 -Jul-98	i		14.8 20.7	8.1	9.1 8.1	8 100	5 12	3 3	1	2	9	1 19	3.8	26.2	o o	0.01	0.75 0.07	0.12		0.2	. 0	22.3° 2.4	
-Aug-96			18.8	8.2	6.1	7. 7:	5 24	0 7	4 6	4	16	8: 75	9	24.5	. 0	0.01	0	0.03	1. 1	0.14	. 0	22.5	
Sep.95 Oct 95			17.4	7.3 B.O	75 		25	o'	4	3	18	27	11.3	20.5			0.49 0.03	0.04 0.3	iii	0.2 1.4	0	37.6 38.6	
Nov-96 Dec-96	- :	- :	9.7 6.0	7.3 7.4	15.6 16.						18 11				0.2 0.7	0.01	0.7 1.06	0.2 0.1		0.54		38.7 42.3	
	0.3	2.0	1.4	6.0	5.2	64.0	0 67.	0 0	. i <sub>I</sub>	4 73	8 0.	0.0	1.4	3.4	0.0	0.0	0.0	00	00	0.0		2.4	
min max	27.0	30.5	50.0	8.4	22.3		0 378.	0 93		.0 .71			40.0		2.0	0.1	21.0	0.8	0.0		` Q.5	50.4	

<sup>\*1:</sup> Dissolved Oxygen

<sup>2.</sup> Oxygen sturation in water

<sup>\*4:</sup> Oxiourability (permanganate)

Septemvri on Maritza River (Station No 30060257)

Control   Cont	Data	Q	T <sub>ab</sub>	Ť,,,	Гħ	DOT	DO., 1	EC	BOD5	Oxid	COD,	DS	5,5	Ct	804	NH4-N	NOI-N	NO1-N	PO4	HIS	Fe	Mn	Ca	Mg
\$\frac{4}{84.993}\$   10		(m3/s)	. co	da		fmed 1	/9.1		/ma(1)															
Section   Sect	6-Sep-89				8.5						(mg.L)			(mg/L)	(mg/L)	-			(mr/L)	(mg/L)	(mg/L)	(mg/L)	(me/L)	(mg/L)
Checon   Color   Checon   Color   Checon   Color   Checon   Color   Checon   Color   Checon   Color   Checon	28 Feb 90			6.5	76									12				03	0		٥.	Ð		
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2																		11.5			υ.	G		
94m92: 165 76 92 55 Ma 172 222 142 87 17 11 07 000 34 0 0 0 0 3 3 1 0 0 0 0 3 2	11-Sep-91		-														0.02				0.68	ō		
18-pg-92																					0.4			
7-7-6-62			100																					, 7
240-099								766	68		41										0.2	-		[4]
												220	29											1.32
4.845y3)		· .														0.04		1.43						6
1946    196   77   93   103   200   62   113   115   15   000   7   12   12   12   10   10   13   13   13   13   13   13		÷	•																				37.2	7.5
6.016.0] 133 57 114 122 191 3 25 100 7 42 217 04 003 037 068 004 273 1004 1004 193 194 115 100 174 145 115 190 271 34 31 190 1 91 64 03 039 066 012 004 273 185 185 193 271 34 31 190 1 91 64 031 039 066 012 004 273 185 185 193 195 64 031 039 066 012 004 273 185 185 193 195 64 031 039 066 012 004 185 185 195 195 185 185 195 195 185 195 195 185 195 195 185 195 195 185 195 195 185 195 195 185 195 195 195 185 195 195 195 185 195 195 195 195 185 195 195 195 195 195 195 195 195 195 19													14											6
10-Neg   9				18.3	8.7						- !		2,								1,	0.04		3
Sept   110   13   111   10   13   111   10   13   14   13   13   16   16   17   12   12   10   10   10   10   10   14   14   14										3.1												0.04		5.2
2.50c-09											. 1				12									8 4
10cc-99																					0.74			4
4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-Dec-93																							16
1.00   1.00   1.00   1.01																			9.2			201		7.4
9.74g.99; 84, 89, 140, 125, 336, 46, 72, 275, 0   11.2   128, 037, 003, 044, 0   0   0   0   44.4   14.4   14.5   1.0   0   0   0   14.4   14.5   1.0   0   0   0   0   14.4   14.5   1.0   0   0   0   0   0   0   0   14.4   14.5   1.0   0   0   0   0   0   0   0   0   0									3.5		T								ő		u,			113
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													0	11.7	128	6 32								11.4
15   15   15   15   15   15   15   15		7 17 7						348			4			14.5										13.1
1279494											· · · · · · · · · · · · · · · · · · ·			7.								_		12.6
2-44-94   16-9   93   16-9   133   133   17   13   144   4   62   24   0.1   0.0   0.7   0   0.16   0.02   237   5-5x-9-94   18-6   88   9.9   110   285   153   134   195   11   54   15   50.24   0.0   0.47   0.26   0   0   0.44   17-6   87   117   127   275   0.2   2.5   202   15   16.9   15   0.24   0.0   0.0   0   0.1   0   0   0   17-6   128   53   9.6   9.4   333   2.2   2.3   2.16   14   12   39   0.22   0.0   0   0.2   0   0   0   1   18-6   8.4   104   335   2.2   2.3   2.16   14   12   39   0.22   0.01   0   0   0   0   0   0   18-6   9.5   7.5   7.9   2.64   7.1   2.7   16.6   14   7.1   377   0.00   1.1   0   0   0   0   0   0   18-6   9.5   7.9   7.9   2.64   7.1   2.7   16.6   14   7.1   377   0.00   1.1   0   0   0   0   0   0   18-6   9.5   7.5   7.2   2.64   2.27   2.65   1.5   1.8   3   2.38   1.1   3   3.7   0.9   0.01   1.1   0   0   0   0   0   0   18-6   9.5   7.5   7.2   2.64   2.27   2.65   3.5   18.3   2.38   1.1   1.3   3.7   0.9   0.0   1.12   0   0.12   0   0.2   0   18-6   9.5   7.5   7.2   2.64   2.27   2.65   3.5   18.3   2.38   1.1   1.3   3.7   0.9   0.0   1.12   0   0.12   0   0.05   18-6   9.5   7.5   7.5   8.6   2.0   7.1   3.5   13.5   0.10   0.9   40   0.00   0.6   0.6   0.6   0.6   0.0   18-6   9.5   1.5   1.5   8.6   2.0   1.1   3.5   13.5   0.1   0.5   0.1   0.0   0.0   0.0   0.0   0.0   0.0   18-6   9.5   1.5   1.5   8.6   2.0   1.1   3.5   13.5   0.1   0.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0   18-6   9.5   1.5   1.5   1.5   1.5   1.5   1.5   1.5   0.0   0.5   1.1   0.5   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   18-6   9.5   1.5	12-Jul-94	.,																						19
Seppi	2-Aug-94								1.7		1		4											9.9
1.8 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		÷ ·											u,	6.1	35				0 26					4 2
1-be-94		4									, }		5					0			0	0		8.7
10-lam   95		* * *																						10.9
1-Mar   3	10-Jan-95	11					177,.																	10.9
4-(4679) 75 7, 26.4 229 249 3.5 [83] 239 [43] 117. 0. 0.003 0.9 0 0.06 0.36 295 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-Mar-95								3.67										٠.					9.5 9.8
1.0   1.0		4							3.5				143						o					8.2
4 July 5   15.7   7.3   9.4   97   15.5   2   18   110   0   54   17.1   0.5   0.01   0.04   0.1   0   0   23.4   5.58p5   15.7   15.8   15.7   15.3   15.9   15.4   15.3   17   17.7   16.6   16.9   18.7   0.3   0.0   0.04   0.1   0   0.23   5.58p5   15.7   15.8   15.8   15.9   15.9   15.1   15.1   17.7   16.6   18.7   0.3   0.0   0.04   0.1   0   0.0   5.58p5   15.7   15.8   15.9   15.9   15.1   15.1   17.7   16.6   16.7   17.2   17						13.5	132;		}										. 0	-	o o			7.5
6.Aug.95		1000				0.4	97																	8.2
5-5ep95	8-Aug-95	1							4.6									0.04						4.1
3 Oct 95   12.7   7.3   11.8   112   20.0   0.4   2.9   14.0   10   8.1   21   0.6   0   0.59   0   0   0.08   7.    1.	5-Sep-95			15.7	8.0	8.9							· - 4					0.35						8.7
Control   Cont	3-Oct-95	;											10			0.6								7.78
9 Jan 56 39 8.1 136 110 271 62 3.8 228 0 0 0.3 162 0 02 119 0 0 0 0 13 68 17 640 96 2.8 7.8 136 110 271 62 3.8 228 0 10.3 162 0 0.02 119 0 0 0.2 0 158 17 640 96 2.8 7.8 15.8 124 172 5.1 3.6 134 3.8 3.3 99 645 0.01 0.21 0.00 0 0 0 15.4 1 2 2 2 2 2 9 198 16 8.5 192 0.1 0.01 0.01 0.00 0 0 0 15.4 1 2 2 2 2 2 2 7 8 15.8 124 172 5.1 3.6 134 3.8 3.3 99 645 0.01 0.21 0.00 0 0 0 0 15.4 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			:					353	*				- 0.0	12		0			ð					11.4
6 ffeb 96   2.9   7.7   12.3   100   223   5   0.9   198   16   8.3   39.2   0.15   0.01   1.1   0.05   0.16   0.30.5   8   3.5   3.6   1.2   3.6   1.2   3.6   1.2   3.6   1.2   3.6   3.7   3.7   3.7   3.7   3.6   3.7   3.		: *****						271								<u>. D</u> ,			0					
3-Mic 96 2.8 7.8 15.8 124 172 5.1 3.6 114 34 8.1 109 6.5 0.01 0.71 0.00 0.0 16.4 1.7 0.00 0.0 16.4 1.7 0.00 0.0 1.6 1.7 0.00 0.0 1.8 0.0 1.7 0.0 1.8 0.0 1	6 Feb-96															•								17.6
2-Ag-96 6.0 7.1 119 115 242 1.03 6.06 191 23 8.11 52.1 0 0 1.6 1 0.75 0 35.9 9.  1-14x996 11.1 7.6 9.9 96 17.6 11.6 7.3 135 54 4.1 32 0 0.02 0.74 0.06 0.8 0 30 30 31 1.1  1-14x996 18.6 8.4 11.9 145 235 0.2 1.4 159 11 5.6 26.8 0 0.01 0.88 0.041 0 0 38.1 7.  1-14x996 18.6 8.4 11.9 145 235 0.2 1.4 159 11 5.6 26.8 0 0.01 0.88 0.041 0 0 38.1 7.  1-14x996 12.1 8.7 19 0.4 2.3 7.8 16 1.9 12 3.0 0.0 2.4 1.0 1.0 1.0 1.0 1.0 1.0 0.0 1.0 0.0 0.0	5-Mar-96			2.8	7.8																			8.1 3.8
NAV96	2-Apr-96	ļ							3.05										1					9.46
7941965   21.13   87, 89   0.4   2.5   229   14   1.5   2.6   0.00   0.68   0.04   0   0   0.81   2.5   2.7		j i														0		0.74	0.06			2.0		10.9
SANSPÓS 199 8.3 109 122 350 9.4 2.6 266 5 11 79.6 0 0.03 0 0.61 0 0 0.20 8 6.68 9.6 12 0.04 1.2 0.06 0.3 0 0.61 0 0 0.20 8 1.0 0.05 1.0 1.2 0.06 0.3 0 0.05 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0		4			4			235								0							38.1	7.6
Sep\$6   180   7.6   95   108   345   18   31   253   0   82   17   0.66   0.01   1.7   0.08   0.3   0   493   10	6-Aug-96				8.3			330					Mi			0								13
10cc96   132   2.9   263   3.5   209   12   7.1   13.1   0   0   0.0   0.1   0.45   0   42.3   11	4-Sep-96	an atana g manana atan											:							4		7.		E.5
-Nev-96	1-Oct-96	1								3.5		209										.71		10.7
This 00 00 28 7.1 8.7 80 177 02 05 0 0 0 212 9.4 D 0 0 0 0 0 26 093 0 0 0 213 9.4 D 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		to consider											0	8.9		Ø								13.2
eas 00 00 213 84 212 155 555 94 22 0 24 2 2 2 0 0 0 115 16 1.12 0 04 0 51 17	- A-het-Ao	Ada ay		6.5,	7.5	31.2	106	196	5.8	5.9		96	1 <sub>j</sub>	6.9	37.6	0.6	0.01	0.81	0.6		0.49			14.7
eas 00 00 213 84 212 155 555 94 22 0 24 2 2 2 0 0 0 115 16 1.12 0 04 0 51 17	min	0.0	0.1	0 28	7.1	2.7	50	172	0.5	0.0														· .
ave #DIVAN #DIVAN 112 78 124 100 033 355 331 3 50 3 50											, j	744								P.		. 0		. 1
WE SULVAS DIVAS 11.2 7.8 12.4 109.933 255.231 2.88333 3.26625 #DIVAS DIVAS 20.16625 0.01 0.61438 0.20506 #DIVAS 0.20513 0.33.5875 10.027	AYC	#DIV/DE			7.8						PDIV/0!									eniÿani.				17.6

Pazardjik on Maritza River (Station No 30060260)

Duta	Q	T <sub>=</sub>	Т.,		Ph	DO <sup>4</sup>	DO <sub>14</sub> '3	EC.	BOD5		COD,	PS	SS	CI	504	NH4N	NO2-N	NO3-N	P()4	1125	Fe	Ma	Ca	Mg
	(m3/s)	(°C)	(°C)	)		(me/L)	(%)		(mg/L)	(perman) (mg/L)	(ng/L)	(mg/l.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L) .	(mg/L)	(mg/l.)	(10g/L)	(mg/L)	(mg/L)	(ore/L)	(m:e/l
8 Feb 90				80	7.6	8.9	75		7.5	9.5		276	53	. 21	44	0.5	0,67	0.7	0.4		0			
Dec 90				80	8.0	11.3		356		6		294	69	21	70	0.6	0.04	7.4	0.5					1
5-Jup-91				8.0	. 16	9.5		404 38	5.6 18.6			217	47 35	20 6 19 6	102	0.31	0.02	0.9	ŭ		0.88 0.9	א		<u> </u>
1-Sep-95 J-Dec-91				7.0 6.0	7,7	9.0		357	7.9			320	36	22	78		0.3	1.6	,		0.8			
0-Mar-92				8.0	8.0	11.6		132	3.6			201	32	14	37	: T	0.02	0	0		0.6	0	• '	1
9-Jun-92				0.0	8.1	8.3		375				215	48	17	51	1.0	0.04	1.6	. 0		0.5		50	
Sep-92		1	2	4.5	7.7	8.1	98	498	26			334	42	24	142		0.03	0.06	0	·	0.5	0	. 64	
· Feb 43				41	7.9	12.4	96	387	6.9			261	. 18	22.1	148	0.3	0.02	3.6	0.36				55.4	
M×93				7.1	7.8	12.6		148 390	4.3 6.6			279	103	14.6	36	0.1	0.04	0.58	0.34		0.22	v	50.4	
Are-93	Section 6			3.5	7.8	9.3		390 549	4.6			364	103	18.07	212	9.4	0.05	0.63	07		0.22	0.2		
May-93 Jun-93				3.)	1.8	7,4	92	508	3.6			352	26	18.1	91	0.4	0.08	0.66	0.58	je er	1 11		68.6	
6-101-93	1000			7.5.	17			465			;	261	4	F1.8	767		0.04	0.06	0.34			0.13	71.	
0-Aug-93				2) 8	7.9		136	383	5.1	2.5		242	3	11.8	54.1	0.4	0.02	0.17	0.31		6.07	0.14	5	
Scp-93	· · · · · · · ·			26	8.1			415				265		11.5	43		0.02	0.35	0.3			0.23	53.	
2-Oct-93				19.3	8.1			148				278	8	19.5	5.2		0.06		0.26		0.56	0.17		
Nov-91				10.3	_ , 7,7			316				199 290			32.1 50.1	0.04	0.11	0,74	0.94		0.48	0.16	61.	
Dec 93				64	7.4			350 455	1.8			271	21	13.2	30.0	0.56	0 14	0.92	0 26		4	0.09		
Feb-94	4			7.1	7.9 8.0			443				317	10	21.4	. \$6	اه	0.1	0.8	0.2			0	58.	
Mar-94				106	3.4			454				342		15.4	34	0.53	0.06	0.6	0.2		0	Ö	61.1	
-Apr-94	4			13.6	7.8			415	1.3	2.7		296	٥	13.9	58	0.1	0.01	0.73	0.44		1		64.	
May 94		•		16 1	8.3				2.2			234	22	11		0.31		0.22	0.76		0			
5 Jun 94				23.2	7.8				2.4			354	4	17		D	0.4	0.57	0.2	}	. 0			
2-Jul-94				25.0	7.9				1.9			375		14.3	71.6	0.41	0.02	0.3	0		0.28	0.1		
Avg-94	i			28.8 18.7	8.1							319					0.02	0.48	0.34		0		40	
Sep-94 Oct-94	, -			21.9	7.9							278		17:0			0.01	0	0.12		· · · · · · · · · · · · · · · · · · ·			
-Nov-94				15 B	8.0							269	· ·	14			0.03	0	0.16		0	: c	5	y! '
-Doc-94				7.8	7.2						į	280		14	51	0.23	0.04	1.9	0.1		. 6		55	5
O-Jan-95				5.1	7.7			354				281			4		0.02		6.16		. 0			
Mar -95				11.2	8.7							146					0.03	1.74	0.5		0.28			
1-Apr 95				125	7.8			276				247 259			30	0.45	0.04	11	0.8		0.18			
2-May-95				19.2 23.9	7.9		7. 69	350 407				285					0.04	1.03		·	2.15		S4.	
1-Jen-95 4-Jul-95				22.1	7.0		9 73					312		12			0.01			i	0.1		6	
Aug-95				22.5	7.9							210		8.9				. 0	3	į	0.4		) 3	7.
Sep 95				20.7	7.1				2.		•	172										( (		
3 Oct 95				17.4	1.7							210								j		( <u>.</u>		
Nov-9			1	14.0	7.8							136		,							ļg			
2-Dec-9				3.9	8.0				2			104		ليور بانتدارا	22.5					·	0.7			
9-Jan-96 6 Peb 96				4.7. 3.8	7.5							374		11.					0.04		0 43		·	
Mar 9		j	· ţ	4.9	8 2						6	i sc									1		0 38.	
Apr 96				9.4	7.7							211					0.01			),	0.68		0 3	
May 9		î		13.9	8.0							21(			66		0.02				0.33		0, 42	
lun-96		1		23.0	7.5			33:			11	237							0.		0.1		0, 48,	
9 J⊴ì 96		ş		28.8	. 1.				0.1			249				*******	0.18			·	0.51		D 1	
6 Aug-N				24.2	8.0					2 2		20									0.23		22	6
Sep-90		· · · ·		23.3 16.5	8.0		.7i 81	30		3		20,									0.55		0 40	
1-Oct-96 19-voW-5				13.8	7.5		3 13					316		11								i	55.	
4 Dec 9		i		12.3	8.							100									7	, ,	0, 40	
	T 177 ~	Ţ <del></del>						*	(-:	7-35°	1	1		[	1	1			1	1	1		I	1
min	0.0		0	3.8	Ž,							0 10.			4	2	(		1	D,	0 (	!	0 3	
max	0.0			28 \$	8.	6 15						0 37					0.4		<u> </u>	): :	0 21	0.2		
BYE	: ATHUM	POIV	O!	15.3	7.5	9: 10	1! 107.12:	2. 358.57	4: 3.3637	7 3.37907	4: #DIVA	1: 256.46.	3 19.867	1: 13.475	56.617.	0.3913	0.05278	, c.97792	0.3261	> DIVA	0.32043	i 0.0336	2; 51.0	5 [4.4

<sup>\*1:</sup> Disserved Oxygen

<sup>\*2:</sup> Oxygen storation in wat

<sup>\*4:</sup> Oxidizability (permangaoate)

Stamboliski on Maritza River (Station No 30060263)

Data	0	T <sub>4</sub>	Tra	Ph	po <sup>q</sup>	DO, 3	ECT	BODS	Oxid	COD	23	SS	Ci	504	NH4N	NO2-N	NO3 N	PO4	1128	Fe	Mn	Ćs	Mg
	(m3/s)	(°C)	CO.		(mg/L)	(%)		(mg/L)	(perman) (mg/L)	(mg/L)	(mg/L)	(m <sub>2</sub> /L)	(mg/L)	(mg/t.)	(mg/L)	(mg/L)	(mg/L)	(maft)	(mgA)	(mg/L)	(mg/L)	(mg/).)	(mg/L)
6-Scn-89		, ,,,,,	20.5	7				15	108		306	13	(g/2)		2.5	0.07	0	0.3	1119-57	0.3	(alg/c)	(angres)	(11)
28-Feb-90			9.0					19.8	13.1		347	56	29			. 01		0.1		0.4			
1-Dec-90 5-Jug-91			9.0 20.0				405 425	9.5	6.4		355 272	. 61	27			0.4		0.1			0		
11-Sep 91			17.0				373		118		289	. 85 64	23.3 19.6			0.01	. 9.2 1	a a		0 56	n		
3-Dec-91			6.5	7.	8 9.		301	\$.4	3.2		266	45	21			0.6		6.2		0.5	0		
10-Mar-92			100				146	5.3	4.8		208	40	18			0.06				0.5	0		
9 Jun 92 1-Sep-92	-	:	22.0 26.0				419	5.7	10.1		261 325	92 40	17 27			0.08		0			0.3	56	12
7 Dec 92			7.2					5.6	, ,,	40		98	12			0.30 1.0		0.3		0,6	0	45	36.1 21
2-Feb-93			5.0		7 9		390	7.4	4.1		268	17	21.1	30		0.08	5.1	0.62		0.1	. 0	566	0.99
2-M21-93			66					5.2	2.8		310	J	14.7		0.06	0.14	2.29	0.62		0	0	65	12
6-Apr-93 4-May-93	1 200	:	13.7				472 548	5.4 106	2.9 5.75		164 312	) <u>13</u>	15 1 16.7	167 161		0.09	0.92	0.9			0.32	66.1	8.5
1-Jun-93			25.0				502	4.2			345	· ''î	13.8	61	0.6	0.24	0.00	1.45		•	0.32	57.2 66.1	13 14 3
6-101-93			27.1				530	5.4	4.3		291	19	16.7	61.6		0.67	0.46	1.68			0.56	76.7	13.5
IO-Aug-93	,		21.7				461	42	4		269	42	14.4	52		0.12	0.69	1.43				58	18
8-Sep-93 12-Oct-93	4 .		21.6 19.6				511 522	3.8 2.6	4.3		326 328	13	14.9	306		0.17	0.66	0.1		0.44	0.31	65.4	17.8
2-Nov-93			1112					3.5			278	26	13.2	45.7		0.13	0.89	9.32		0.42	0.28	71.6	12.9 32
I-Doc-93			6.8				498	6.3	5 2		351	4	22.9	56.5	1.7	0 32	0.85	0.46			0.17	70.7	13.7
4-Jan-94			7.2				499	6.5			355	2	167			0.31	0.89			: .	0.15	66	. 17
1-Feb-94 9-Mar-94			7.1				494 486	9.6	3.1 13.2		346 369	42	15.7 17.5	- 21		0.35	0.9B	0.36		0.4	. D	628	17.0
5 Apr-91		•	14 2				553	3.7	2.9		410	75	17.3	46	0.56 0.64	0.14	- 1	1.18		0.6	. •	65 <sub>.</sub> 88.1	9.6
4-May-94			17.7	8.				3.9		· · · · · · · · · · · · · · · · · · ·	318	14	15	68.8	0.58	0.09	0 62	0.98				68.1	29.1
15 Jun-94			24.4					9.6	7,3		356	34	18		1.95	1.7	1.9	1.2		0.6	0.84	82	34
12-Jul-94	ļ.,		23.3 27.9					4.9			416 350	47 27	13.6	76 5		0.24	1.6	0.58		0.32	0.08	118	36.8
2-Aug-94 8-Sep-94			24.9					3.7 4.1	k		358		18.9 13.6		1.4	0.13		0.7		0.34	0.04	71 568	19.4
4-Oct-94			21.3					4.4	5.3	•	312	ž	15.5	49	2.3	0.03	0.10	0.42		0.32	0.44	70.5	11.6
1-Nov-94			17.0						25		304	30	17		0.49	0.08	0	0.64		0	0.4	63	22
1 Dec-94	1					8 66		7.6			35B	15	12.2			0.08	2.4	0.46		0	0	70.3	15.8
10-Jan-95 1-May-95	\$ 1.00 m		11.0			1 83	477	1.8	4.6		352 334	. 18 23	16.3	78 69.5		0.06	1.8 3.61	0.46		0.2	0	63.5	. 19 16.6
4-Apr-95			15.2				390		9.09	:-:	310		17.1		0.15	0.66	1.6	0.7	~ ;	0.12	0.2	45.3	16.4
2-May-95			19.7	7.			474	3.7	3.5		322	0	14 2	58	0.6	0.09	1.6	0.9		0.2		67.3	19.7
1-Jun-95			23.3			ابيا ال	549	4.9	11.2		396	16			0.46	0.08	1.4	· · · · · · · · · · · · · · · · · · ·		0	0	56 2	10.8
4-Jul-95 8-Acg-95	. į l		23.4				453 311	2.4 4.1			340 230	30	16.2	21.4 46.2	0.42	0.01	3.6 G.48	0.5		0.1	0	65	16
5-Scp-95	·{···	t .	20.1					3.9	3.8	·	232	10	7.09	43.2		0.07		ري	*. * - * - * - * - * - * - * - * - * - *	' <u>.</u>	<u>.</u>	47	13.7
3-0-1-95			17.5				411	3.9	0.6		27	9	14 8			0.01	1.67	· · · · · · ·		G		73.5	16.5
I-Nov-95	ł		14.3				453	6.8	4		147	10	1.4	70.t		0.05	1.2,	0.24		0.4	O	70	11.4
12-Dec-95 9-Jan-96	ļ.,	;	5.0				377	3.1 3.8	2.2		94 316	0 16	13.1	21.9		0.07	0.76 2.07	O.		0.5	9	28	
6-Feb-96		<del></del>	4.3				326	2.4			322	6	10.6		0.47	0.03	2.7	0.22		0.3	0	\$7.8 44.8	33.2 10.3
5-Mar-96			5.5	8		1 166	294	2.9	3.4		129	118	9.6		Ö	0		0.13		Ů.	- · · ě,	38.9	4.3
2-Apr-96	da i		10.7				327	3.02	5.97		261	25	9.17		, 0	0.01	1.5	0.9		1.23	. 0	49	12.9
7-May-96 4-Jun-96	4		15.9				340 433	0.79	4.5		267 306	20	10.6	74 39.2		0.01	1.18	0.25		0,38	0	51.3	16.6
9-Jul-96	• • • • •	·	26.3				233	2.6	4.3		296	19	13.2		0.31 0.5	0.13	1.61 0.4	0.34	. :	0.2	0.3	73.2 2.6	8.9 14
6-Aug-96	7.		23.9	7.	9 4		400	4.4	1.5		184	50	14			0.08	0,	0.32		Û	0	21.8	5.8
4-Sco-96	S		22.8			9 60	383	7.8	4.1		275	0	10.9	12.3	0.48	0.03	3.47	0.62		0.7	a	47.3	12.6
1-0ct-96	4	ļ	15.9				361		2.8		199	0			02	0.02	0.03	0.3		0.94	. 0	35.6	12.4
5-Nov-96 4-Dec-96	÷	·	7.2				432 290	1.73	0.96 6.6		368 106	- 0 40	13.8	63 59.2	0.3	0.05	1.7	0.5		1.12	. 0	48.4 44	14.1 10.9
	4			•	19.	4			3.0		0		10.7	39.2	<u>.</u>	0.02		v.*		1.14,		**	10.9
min	0.0						141	0.78	0.6	40		0	1.4	5	0	0	0	0	0	. 0	. 0	2.6	0.99
mex	0.0						553	19.8	13.2	40		125	29		4.4	1.7	14.2	2	0	1.4	0.84	118	36.8
37¢	*DIVA:	#DIV/C	15.6	7,	7: 6:	9 67.3962	428.104	5.79818	4.973929	40	289.893	30.0536	15.9665	60.2981	0.825	0.15321	1.74574	0.58604	*DIV/0:	D.38705	0.09146	59.0429	16.2018

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water \*3: Flammic conductions

<sup>\*3:</sup> Electric conductivity

\*4: Oxidizability (permanganate)

Stamboliyski on Maritza River (Station No 30060468)

Deta	Q	Tak	Tex	Ph	DOT	00,,"	EC	EOD5	Oald (perman)	COD.	DS	2.2	CI	SO4	NH4-N	N03-N	NO3-N	PO4	HIS	Fe	Mn	Ca	Mg
	(m3/s)	CO	(°C)		(mg/L)	(%)		(mg/L)	(mg/L)	(ing/L)	(mg/L)	(mg/L)	(mg/l.)	(mg/L)	(mg/L)	(mg/1.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	$(m_{\overline{k}}/L)$	(mg/L)
5-Apr-94			200	78	5.6	61	697	98	48	65	507	53	16				0.8					53	17
3-May-94			16.7	1.9	5.8	57	500	2.9	6.8	89	255	58	12			0 28	4.3			0.4		602	25.5
22 Jun 94			21.0	7.5	4.4	47	610	2.7	396	65	406	38	. 15			0.07	- 28			0.4		44.1	14.6
5-Jul-94			28.1	7 8	5.3	69	587	2.4	19.2		386		15	83	06	0 07	0.3	0.2			0.1	38.1	34.1
2-Aug-94			24.2	78	7.7	91	528	3	9.6	. 29	324		ш	47			2	13		0.4		80 2	10.9
6-Sep-94			20.9	7.5	62	63	525	4.	92	26	372		14				1.4			6.4		88 2	13.4
4-Oct-94			210	12	3.9	46	612	7	. 48		464	39	14	66			29			0.4		86 \$	10
f-Nov-94			24.0	7.4	. 13	. 14	1090	41	506		1185		20				2.1	D.3		0.6			
1-Dec-94			15.5	7.4	5.3	50	782	4.7	67		613	50		128	0.4		1.4			0.6		441	14.6
3-Jan-95			123	1.2	7.8	72	600	5.4	15.8		- 416	5.5	. 13	87	4.4	0.06	4.8			0.6		76.7	12.5
1-Feb-95			15.9	16	5.6	60	738	7	666	,	574	40	17	123	0.4	0.06	0.6					. 83.3	13.3
I-Mar-95			186	7.3	6.1	65	798	225			667	37	16	j54	0.6		1.8		•	. 44		72.4	11
4-Aze-93			18.3	7.7	3.4	36	802	4.6	104		670		17	162	0.4		0.9			0.9		86	17.6
3-8(ay-95			21.7	7.6	2.4	27	748	3.4	78		624	54	17				0.9			0.1	0.05	16	18.9
1-Jun-95			25.1	7.6	4.5	27 51	716	2.1	56		554	45	17	145	0.4		1.1			0.08	0	86.6	17.5
4 Jul-95			25.4	7.7	2.4	30	. 100	4.6	56		537	69	20					0.97		0.7	0.01	102	
1-Aug-95			270	7.3	1.0	12	770	49.4	96		632	50	16	131	1.4	0.01	0.1	1.3		0.65	0.01	706	9.9
5-Sep-95			23 8	7.6	4.5	55	662	3.9	\$6		480	46	13	132	1.2	0.03	1.3	1.0		0.15	0.02	85.6	14.7
340:195			19.5	1.7	4.2	30	81€	to	120		126	- 40	`` 15	110	1.8	0.04	1.1	1.1		0.21	0	75.6	12.4
J-Nov-95			20.7	7.8	3.8	43	807	8 4	80		5R6		17				1.3			9.70	0.02	53.6	
1 Dec 95			17.8	7.7	4.0	. 35	860	7.3	168		661		14			0.01	1.2	03		0.1	0.3	74.5	18.6
3-Jan-96		•	13.4	7.7	6.2	. 60	630	5.6	115		467	72		106	1.3	0.09	3.1			0.4	. 0	\$1.6	26.7
1-Feb-96			14.2	2,7	4.6	35	740	27.8	139		693	59	15	123	0.6		0.7	0.4		0.12	0.67	105	162
5-Mar 96			13.5	3.3	6.6	60	690	7.2	70.2		522		14	115	0.8		1.2		2	0.08	0.08	93.5	
2-Apr-96			19.3	1,7	5.5	57	719	5.8	60		572		. 14	137	7.3			. 0.5		0.53	0.04	95.5	
2-May-96			23.3	1.6	4.2	50	650	3.8	68		503		13				2.9			0.12	0.02	115	
1 Jun 96			25.5	7.9	2.6	37	851	72.9	144		788	48	17	151	0.4	0.03	1.3	0.5	Ú	0.15	0.04	101	19.7
2 Jul 96			22.6	7.9	3.0	38	681	17	68		572		1,3	101	0.2					0.09	0.03	29.3	
1-Aug-96			19.0	7.7	5.3	57	556	4.4	28.8		329	86	13	5	LS	0.08	1.8	0.6		0.18	0	96.2	21.9
3-Sep-96		•	24.4	7.6	2.5	28	679	19	78,4		564	47	14	103	1.7	0.06	2.4	0.5	[	0	0.04	74.4	10.4
1-Oct-96			210	7.3	40	44	774	4.9	` šī		554	62	L6	172	0.7	0.02	1.1			0.05	0.04	74	9.7
6-Nov-96			19.6	7.9			896	3.2	75,2		710	27		6	0.4	0.01	0.3	0.4		0.13	0.12	62.1	18.2
min				7.2	1.0	12	500	2.1	6.6	28	255	. 27		40		0.01	0.1	0.1	i			38.1	
max			28.1	7.9		91	1090		506	. 89						0.57	4.8			7 · · ·	0.67	115	
ave			204	7.6		47.5313			82.36774						0.97419					0.32532		77.9097	
440			204	4.0	4.3	11,3313	112.002	44.4461	DT 70114	23.2	303,731	2100	1, 2340	140.10	0.2/417	. v.v.	4.72730	V.2403	********	. 0.72732	0.0173	*********	: /.70

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*</sup>Z: Oxygen stuteting in wa

<sup>\* 3:</sup> Electric conductivity

Plovdiv on Maritza River (Station No 30060265)

l)ata	0	Ť		r.	Ph	po <sup>1</sup>	DO., '2	EC	BOD5	Orid	COD	DS	SS	Ċl	804	NRAN	NO2-N	NOLN	PO4	1125	Fe	Ma	Ca	Mg
		-								(perman)														-
16-Oct-R9	(m)	9 (C)		(C) 130	76	(mg/l.)	(¥) 67		(mg I.) 6 (	(mg/L) 9.1	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg l.)	(mg/L)	(mg/L)	(mg/1.)		(mg/L)
17 Oct 89		•		120	76				2	7.6		139				0.5	003	. 0	0		03			
18-Oct-89				12.0	7.5				2.75	61		136	24			0.7	0.04	Ď	0		06		ı	
19-Oct-89				13.0	7.6 7.6				35	3.2 6.2		166				0.1	0.03	0	0		1.1			
20-Oct-89 21-Oct-89				13.0					. 3.55	7.6		189				0.4	0.05	0.5	0		0.2		!	
22-Oct-89				13.0	7.6				4.5	9.1		232	. 21			0.1	0.05	0.5	0		0.5	a	ı	
23 Oct-59				13.5	7.6				. 45	8.4		214				0.4	0.08	0.5	Q.		0.9		!	
24 Oct 89 28 Feb 90			•	13.0	7.6 7.7				4.42 34.6	6 09		137			77	0.3	0.05	1.5 0.8	. 0		- 0.3 0.7		-	
4-Dec-90				8.0				375	26.7	[6.3]		298			59		0.09		0 16		0.7		,	
9-Jen-91	1.1			8.0					5.4	6.72		184				9.4		5.1			0 26			
5-Jan-91			:	18.0				158 418		9.3 5.76		257 351			. 61 19		0.07		٠. ،		0.88			
1)-Sep-91 3-Dec-91	7		- :	5.5				177		3.70		275					0.01	1.6	0.3		0.74			
10 May 92				8.0				160				236					0.06	0.5						
9 Jun 92				20.0				414	3,4	6.3		237						2.1	o.					
2-Sep-92 7-Dec-92	4			20.0 8.6				471			32	340 161					1.0 81.0	1.5	0.2		0.4			
4-Mar-93				60				459			32						0.16	 i.	0.3		- 0.7			. 11
6-Apr 93		1		122	7.5	83	83	413	1	6.3	47	256	30	íB	57	0.5	0.06	0.4	0.1		0.2			
4-May-93	٠.			14.0				314							37		0.08	0.4						
1-Jun-93 7-Jul-93				19.1				355 513			40 82				49		0.07	L.6 0.1	0.2					
15 Jul 93				22.8				480		6.8	36						0.08	3.1	0.15		0.5			•
3-Aug-93				22.0				502			30								0.1		0.7			
t-Sep-93				18.0				490		18	36							_ 24	0.2		0.4			
5-Oct-93		. ; .		15.3				382 283									0.08	1.04					77.5	
2-Nov-93 1-Dec-93				5.4				323			39 46						0.06	0.2	0.7			-	44	
4-Jan-94			*	5.0				421		4.2	16							1.4	1.1				55.8	
1-Feb-94	ţ	- +		5.1				455			36						0.05	1.2	ı		0.4	0.1		
28 Feb 94				99				550 479		7.5 6.5	28				77 68			1.8	14				65.4	
5-Apr-94 3-May-94				14.5							42						0.11	. 1.1	1.1		0.4		70.1 6.1	
22-Jun-94	4 77			21.0				455		7.5	41	278					0.07	1	0.8				76.1	
5 Jul-94				26.9				471	3.7			363						0.2	0.5	1			60	
2 Aug-94	. <b>'</b>		:	23.5			81 68	462 480							45		0.03 0.1	1.5			0.4		70.1	
6-Stp-94 4-Oct-94	4 -5-	. "	- 1	20.5	7.1		52	506		5.2 9.6		169		15	59				0.2				56 34.4	
1-Nov-94		71	ţ.	14.2	7.2			442		7.1		296			52				0.3		0.4		66.1	7.3
1-Dec-94				7.6				450		5.9		334			5.		0.02		0.5		0.2		60	
9 Jan-95	٠.		4	6.7				495				326					0.02	3.4	0.5				65.4	
1-Feb-95 1-May 95	400	. <b>j.</b>		10.8			82	468		5.5		350 343			95		0.02	2.5	0.4		0.5		61.5 70.6	
4-Apr-95	1		i	12.1				309		7.3		278			67		0.03	0.9	0.4		0.5		54.9	
3-May-95			errari er ger	12.7	7.4			282		4.9		177						6.7	0.2		0.1	0.02		
1-Jun-95	1	: '-		19.7	1.0			439		5.6	;	291 252						1.6	0.4		0.2			
4-5ul-95 1-Aug-95	900			[8.3 19.4								250					0.01	0.7	0.4		0.16			
5-Sep-95	:	1 -		19.1						. 9		274						1.8	0.55		. 0.12		70.7	
3-04-95				13.5				418		8		259						1,4	0.4		0.11	0.02		
1-Nov-95				14.2				411 222		6.9		241						16	0.4	2	0.1			
1 Dec 95 1 Feb 96		3.27		92				272				191			30			0.9	0.2		0.03		34.4 66.9	
5-Mar-96	20	1.		. 4.0							i	207						0.6	0.2		0.01			
2 Apr 96	• •			9.1	7.0	10.7	95	340		. 8		276	41			0.2		1.1	0.2		8.78	0.05	63	5.8
2 May 96		:	:	12.0								207						1.2	0.3		0.1			
3-Jun-96 2-Jul-96		٠, ٠	-9-	18.1 21.0			97	487		11.2		- : 317 363					0.01	1.7	0.4		0.1			
1-Aug-96	1			18.7							;,	274							0.3		0.16			
3-Sep-96		,	. :	26.3	7.5	5 60	) 64	454	2.7			154	41	28	. 51	0.2	0.02	1.4	0.4			0.02	57.3	8.1
1-Oct-96	: ::	4		15.0				346				209					0.01	1.2	0.3		0.05			
6 Nov-96			- •	12.0		9.	44 بسب	411	1.7	5.4	; · · · · -	250	3.	20	7.	0.2	0.01	0.5	0.3		0.14	6.06	98.7	23.
noon	53.	0.0	00	4.0	7.	4,3	46	222	0.5	5.2		97	2 2	. 4	2	0.2	0.01	0.2	0.2	· . · . (	) (	i (	34.4	i 5.1
D1X	100	0.0	0.0	21.0				487		11.2	٥	161	9:	28		0.7	0.06	1.8	0.55		0.1	0.21	98.1	23.6
ave	an.	V/O! #DIV	/0!	. 14.3	7.1	8 8	81.0625	371.563	2.3625	6.96875	#DIV/O	251.625	45.437	14.6875	50.562	0.30667	0.01786	1.04375	0.33438	*DIVA	9.11	0.04357	64.525	11.9

<sup>1:</sup> Disselved Oxygen

<sup>3:</sup> Electric conductivity

Parvomay on Maritza River (Station No 30060157)

A STATE OF THE PROPERTY OF THE	ista	Q	Ter	τ	Pà	100,1	DO <sub>cr</sub>	EC.	BOD5	Osid*4	COD	DS	88	Ci	504	NH¢N	NO3-N	(O3-N	POH	H2S	Fe	Ma	Ca	M
Section   Sect	PC 65**	(m 3/s)									(mg/L)				(mg/L)		(wg/L) (		(α <sub>2</sub> /L)	(mg/L)			(mg/L)	(mg
The color   The	Mar 87				7.5	¥ 65			. 22	313				8	86									:
# # # # # # # # # # # # # # # # # # #	day 87							· · · ·			,									į į			43	
Seed 11 10 12 1 2 1 2 1 4 6 1 1 2 1 2 1 4 6 1 1 2 1 2 1 4 6 1 1 2 1 2 1 4 6 1 1 2 1 1 2 1 1 4 1 4 1 4 1 4 1 1 2 1 1 1 4 1 4	Aug-87		22.2		7.0	2.9	) ji		313	6.9		644	22	23	76	32		2.44		; *** **			62	<u>.</u>
Series 19	Αυς:37 Νον:87			10.8																(	. 0.19	) 	. 1	f
The color   The	D:c-87	0.0																1.7						
Section   1975	Mar 88			8.0	8.1	4.8	40		23.1	13.7		317				1.8		11		 	0.1		)	
### ### ### ### ### ### ### ### ### ##	12y 88 Jun 88		11.6					ren i		6.1 20			74.	15.	37					· · · ·			55	
Second   19	Aug 88		25.4	22.4	8 2	2 2.0			39	15.1		396	6,	24	109			3.05		· · · · · · · · · · · · · · · · · · ·			32	į
Series 1, 11, 13, 16, 17, 18, 18, 19, 19, 19, 19, 19, 19, 19, 19, 19, 19	Nov 88	· •	3.0					<del></del>						23,	5)								60	,
Section   11   71   72   73   74   75   75   75   75   75   75   75	Dec 88			8.1	7.5				9.2							1.9				*****				
	Mar-89			11.5	7.0	6 4.1	43			16		319				0.9		0.3		i arari	0.9	0.7	100	
Section   Sect	Apr-89												168				0.23			ļS				
	Jan-89			19.0	7.6	B 1.0	10			21.9		370.	61			0.9		0.4	0.7					
Section   18	Aug-89		٠.,								· - ' .,										) 			·
Page   100   72	Aug 89			10.4	1.1	8 2.	5 28			18.6		328	25		· · · ·	1.1				;;	6		 5	terra e de ar
Section   100   16   14   25   16   16   17   26   16   17   06   17   0   14   18   18   18   18   18   18   18	A2g-89 Sep-89	. :	14.4		3.3	2 3.1 5 4.4							78	19	84	0. 1	6.00		0.1	<u>.</u>		) <sub>(</sub>	45	i
No. 12	Oct 89			13.0	7.6	5 3.4	32		16.7	13.4		299					0.06	1.7		)	3 3 30	•	1	1
NAME 115 15 56 16 124 124 125 125 14 12 200 41 03 004 125 0 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Oct 89															H								ļ·
195   14   15   15   15   15   15   15   1	Oct 89			13.5	7.3	5 50	0 48		1265	11.3	1	205	200 000 000 000		1371		0.03	0.23		)	1.		1	
116	Oct-89												52		· • • • • • • • • • • • • • • • • • • •		0.03						1	ļ
10   14   66   67   103   145   56   68   116   127   128   50   68   128   128   50	O:1-89	J		13.0	7.6	6 5.1	8 55		8.85	10.6		237.						0.5		<u>}</u>	Ď.	2	ļ	
9	Oct 89			13.0	7.0	6 6	6 62		10.3	[43		306	46			1.4		1.2		)	0.0	5.		L
1	Nov 89			2.2																				
	Max 90			7.0								336			74	3.2	0.00	1.6		,			)	 
The color	May 50 Aug 90																			ļ				
1999   123   150   72   63   65   160   64   627   17   14   17   18   16   18   18   14   18   18   18   18   18	Dec 90	1		7.0	7.	8 6.	3 52	442	38.5	16 6		412	81	32,	81	3		0.8	0.10			<u>.</u>	į	1
Section   Sect	Mar 91		73.7											22.1			0.04					i	i	<u></u>
wegg   44	Aug-91	1		20.8	_7	6.	2 66		14.5	5.1	,	334	11		102	6.14		3.00			1 11	5.		
859   20 50 72   12 50 31   16 3 1   16 3   18 3   18 3   18 5   18 3	Sep-91 Nov-91		48														0.08			5			· · · · · · · · · · · · · · · · · · ·	
989 185 186 18 18 18 18 19 194 195 196 19 19 194 195 196 196 196 196 196 196 196 196 196 196	Dec-91			5.0	7.	2 8	2 63	351	7.6	S		285	50,	21	45	0.6	0.01	2.4		3		0 (	D)	1
1972   176   75   74   75   74   75   74   75   75	Feb 92 May 92	e1																		<u></u>				
10	Jun-92			17.8		5 4.	1 43			14.5		237				0.6	0.04	3.1	0.	2		5		
Second   1.5	Sep-92		29.6														6.08			3				
1869	Nov-92	ļ.,,	7.6	8.0	1)	0 8	8 75		9.4	4.5			60	19	71	0.29		11.17		ļ	1	0	33	3
143   15   60   59   69   76   87   53   277   45   24   57   16   606   1   0.2   0.7	Jan 93											287		20,				3					<b>,</b>	1
Supple	Mar-93		*												120	4.7		0.7					+	L
	May 93							461	1				65	21				0.7					1	-j
	Jun-93																						ļ	ļ
Expansion   Property	5-ful 93		÷	26.2	. 8	0 6.	3 71	8 555		1 1	46	344	62	28	64	0.9	0.1		1.	1			1	A To
Net 93	Αυς-93 .Sc. 93							577	5.	2 112	63	356	AR AR					3					5) 1	
No.95	-04-93		 	16.2	7.	8 4	5 4	6 446	3.	7. 1.	47	303	. 24	20	52	0.9	0.09	0.7					61.	
1894   5.5   6.6   8.5   71   331   14   15.5   40   361   67   26   72   13   0.05   1   2.3   0.7   55.5   1994   6.2   7.3   7.7   6.7   5.3   5.2   5.3   31   345   6.5   2.6   72   1.3   0.05   1   2.2   0.3   0.4   74   1908   8.0   9.4   8.8   5.07   15.8   7   77   120   55.0   74   70   1.5   0.06   1.1   2.2   0.4   0.3   5.5   1994   15.6   7.7   4.1   4.4   5.8   6.5   8.6   5.7   1.2   1.7   5.1   5.1   5.0   70   72   6.6   0.1   2.1   1.8   0.4   0.3   5.0   1994   15.6   7.7   4.1   4.4   5.8   6.5   8.6   5.7   1.25   1.25   5.7   5.0   5.5   4.6   0.8   0.6   1.2   1.8   0.4   0.3   5.0   1994   2.20   7.6   1.5   1.7   5.9   3.6   3.5   3.6   3.6   5.7   1.25   3.0   3.0   0.0   1.2   1.8   0.4   0.3   5.5   1994   2.25   7.6   2.6   1.7   5.7   5.7   5.7   5.0   5.5   5.6   5.7   5.0   5.5   1994   2.25   7.6   2.6   1.7   5.7   5.7   1.5   5.0   5.7   5.0   5.5   5.4   5.0   5.5   5.0   5.5   5.5   5.5   1994   2.45   7.7   3.7   4.4   5.6   6.8   1.2   5.9   3.8   6.7   2.9   6.6   2.7   5.8   5.0   0.3   2.4   0.6   3.6   1994   2.45   7.7   3.7   4.4   5.6   6.8   1.2   5.9   3.8   6.4   2.7   5.8   1.8   0.07   0.8   0.0   0.2   2.5   0.6   0.3   3.1   1994   2.45   7.7   3.7   4.4   5.6   6.8   1.2   5.9   3.8   6.4   2.7   5.8   1.8   0.07   0.8   0.0   0.2   2.5   0.6   0.3   3.1   1994   2.45   7.7   3.7   4.4   5.6   6.8   1.2   5.9   3.8   6.4   2.7   5.8   1.8   0.07   0.8   0.0   0.2   2.5   0.6   0.3   3.1   1994   2.45   7.7   3.7   4.4   5.6   6.8   1.2   5.9   3.8   6.4   2.7   5.8   1.8   0.07   0.8   0.0   2.5   0.6   0.3   3.1   1995   3.7   3.7   3.7   3.7   3.8   3.8   3.0   3.7   3.8	Nov 93 Dec 93												63			06						Ţ.		
Feb-94         103         80, 94, 84         80         507         333, 7         47         200         50, 24, 70         19, 004         11, 22         0.4         0.2         55.8           Jay-94         156         77, 47, 44         435         65         11, 17, 59         36         50         12, 103         0.4         0.3         50           Jay-94         156         77, 47, 44         435         65         36         37         64         386         51         35         50         30         12         13         0.4         0.5         51           Jai-194         225         80         52         70         384         76         11,2         370         57         40         57         30         0.5         24         0.6         0.3         31         0.6         0.0         13         13         0.4         0.0         12         13         0.4         0.0         13         1.1         0.6         0.0         32         2.5         0.6         0.3         3.1         0.6         0.0         3.2         2.0         0.6         0.3         3.1         0.0         0.0         0.0         0.0         0.0	Jan-94	*******	4	5.9	6	9 3	5 7	j' 531	الك	11.	5 40	363	63	29	6		0.06			3:			65.	51
Name	Feb 94 Feb 94	de sale																<u>.</u>						
	Арт-94		1	14.4	7.	.7. 5	.a. 5	2 467	. 1	2 11.	7. 5	301	70	26	- 64	0 1.2	€.06	1.3	1.	8	0.	4 0	3 6	oʻ.
	May-94 Jun-94		ļ																					
28794	Jel-94			29.5		0 5	2 7	0 584	7.	6 11	2	370	57	40	5	7. 3	0.05		2	4	.1	0	6 30.	ι,
100-94   244   74, 36   44   387   8.8   10.4   42)   52   29   66   4.5   0.07   0.8   0.3   1.7	Sep 94	1	1					4 566	6			9 383	64	27	3.	4 1.8		Ò.	2 2		0	6 3	3 9	2
New York	Oct 94			24.4	7						4	425	62				0.07			1	0	3		
Jamp 5	Nov-34 Dec-94		1.5					9 530				356	52	27	5	9 28	0.02		- :	4				
May 95	Jan-95	1	ļ	7.3	2				6	3 6	<u>.</u>			16		9 0.9		- ""		1				
Apr-95         132         77         69         72         434         5.3         104         283         47         18         69         0.8         0.02         1.1         0.6         0.06         55.7           18/9795         14.7         7.7         6.8         63         37         1.2         62         203         60         15         38         0.2         0.02         1.2         0.9         0.1         0.01         0.0         63.2         1.2         1.2         0.0         0.1         0.0         63.2         1.2         1.2         0.0         0.1         0.0         6.2         1.2         1.2         0.0 <td>Hat 95</td> <td></td> <td></td> <td>11.2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>9 6</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0 2.4</td> <td>0.01</td> <td>· ·</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Hat 95			11.2						9 6						0 2.4	0.01	· ·						
	Apr-95		1.	13.7	7	7. 6	9 7	2 434	5	3, 10	4	282	47	10	6	9 0.8	0.02		0	6	0.0	6	56.	í
Indest   20.8   76   53   61   381   27   7.2   272   42   18   40   0.7   0.04   0.7   1   0.5   0.77   614	Jun-95	.i	1	22.7	2 ?	.5 5	.5 6	4 457	4	5 6	4	290	46	26	6	7 1.7	0.02	1.9	9. I		0.0	t.	0 63.	2
\$\sigma\$ 995 \ 20.8 \ 7.7 \ 6.2 \ 7.1 \ 445 \ 4 \ 8 \ 258 \ 6.3 \ 22 \ 64 \ 0.4 \ 0.00 \ 22 \ 1.06 \ 0.01 \ 0.01 \ 22 \ 1.06 \ 0.07 \ 0.07 \ 0.095 \ 15.5 \ 7.8 \ 6.4 \ 6.7 \ 495 \ 44 \ 8 \ 321 \ 553 \ 0.8 \ 0.05 \ 0.05 \ 1.7 \ 1.1 \ 0.09 \ 0.09 \ 0.07 \ 0.095 \ 13.8 \ 8.0 \ 6.4 \ 6.5 \ 495 \ 44 \ 9.6 \ 182 \ 68 \ 10 \ 17 \ 12 \ 0.07 \ 0.095 \ 1.1 \ 0.01 \ 0.01 \ 0.01 \ 0.01 \ 0.01 \ 0.09 \ 0.007 \ 0.095 \ 0.095 \ 0.00 \ 1.8 \ 0.6 \ 0.01 \	1.Jul.95	:	į	20.6	8 7													<u>0</u> .	ļ	1				
Oct.93         15.4         78         6.4         67         495         4.4         8         3211         38         221         35         0.8         0.03         1.7         1.1         0.09         0         70.7           Nov.95         13.8         8.0         6.4         6.4         476         6.2         72         297         57.7         20         50         0.8         00.2         2.1         0.12         0.6         1.2         0.1         4.9         0.01         4.9         0.01         4.9         0.01         4.9         0.01         4.9         0.0         1.1         0.0         0.1         4.9         0.0         1.2         0.0         1.0         0.0         1.4         4.9         0.0         1.1         0.0         0.0         0.0         0.0         0.0         1.4         4.9         0.00         1.8         0.6         0.1         0.4         4.97         May         4.9         0.00         1.8         0.6         0.0         0.0         4.9         1.8         0.6         0.0         0.0         0.0         1.8         0.6         0.0         0.0         0.0         1.8         0.6         0.0 <t< td=""><td>Sep 95</td><td></td><td></td><td>20.1</td><td>8 7</td><td>7. 6</td><td>.2 7</td><td>1 483</td><td>5</td><td>4</td><td>8</td><td>250</td><td>40</td><td>22</td><td>6</td><td>4 0.4</td><td>0.01</td><td>2.</td><td>2 1.0</td><td>16</td><td>0.1</td><td>2</td><td>70.</td><td>7</td></t<>	Sep 95			20.1	8 7	7. 6	.2 7	1 483	5	4	8	250	40	22	6	4 0.4	0.01	2.	2 1.0	16	0.1	2	70.	7
No.95   S.9   77   87   80   382   44   96   182   84   13   12   0.7   0.02   1.7   0.4   0.1   43.9	Oct-95		<u> </u>															<u>. Ē</u>						
PRI-96 3.2 78 110 37 360 58 72 266 41 20 50 0.3 0.03 1.4 0.6 0.07 0.4 97. May 56 52 78 97. 90 357. 41 6.4 2291 36 20 70 0.3 0.01 1.4 0.6 0.07 0.4 97. May 56 10.0 7.4 9.2 85 362 28 6.4 274 71 15 79 0.5 0.01 1.6 0.4 0.2 0.0 0.05 70.7 1.4 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	Dec-95		1	8.	9 7	7 8	17 8	0 287	4	4 9	6	18.	68	13	1	2 0.7	0.02		0	4	0	Ji	43.	9
Nár-96 52 78 9.7, 80 357, 41 8-6 291 36, 20 70, 0.3 0.01, 0.6 0.4 0.01, 0.05 55.4, 1.79-6 100 7.4 9.2, 85, 362 28 64, 274 71, 15, 79 0.5 0.01, 16, 0.4, 0.3 0.05, 70.7 1.99-6 155, 7.8 6.3 64 290 45 7.8, 224 99 14 61 0.5, 0.01, 1.4, 0.4 0.22 0.03 649 1.0-66 20.5 8.0 80 64 990 3.5 7.6 226 20.3 649 1.0-66 20.5 8.0 80 64 990 3.5 7.6 296 20.5 16 0.04, 0.01, 1.4, 0.4 0.22 0.03 649 1.0-66 2.8 8.0 4.5 4.4 550 6.8 14.1, 44.3, 10.2 2.7, 1.7, 0.04 0.9 2 0.00, 0.04 51.5 1.0-19.6 2.2 2.0 7.9, 8.6 4.57, 3.1, 7.5 31.9, 18. 20 53, 1.1, 0.07 1.1, 0.04 0.9 2 0.00, 0.04 51.5 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Jan 96 Feb 96	4	ļ																					
Nay 56 153 7.8 6.3 64 290 45 7.8 224 90 14 61 0.5 0.01 14 0.4 0.22 0.03 649 140.056 20 8.0 8.0 64 990 3.5 7.6 296 551 15 90 0.4 0.01 1.8 0.5 0.1 1.2 0.07 619 140.056 21.8 8.0 4.5 4.8 550 6.8 14.1 41.3 40 2.2 7.1 1.7 0.04 0.9 2 0.00 1.0 0.4 51.5 0.0 5.8 0.8 6.8 457 3.1 7.5 319 11.8 20 55 1.1 0.07 1 1.6 0.24 0.056 13.5 0.0 5.6 0.8 4.5 1.5 0.0 5.5 1.1 0.07 1 1.6 0.24 0.056 13.5 0.0 5.6 0.1 1.7 7.8 3.7 37 3.00 4.7 9.6 395 44 19 56 0.5 0.0 0.1 1.4 1.3 0.16 0.04 70.6 0.0 5.0 5.8 1.8 1.0 5.8 1.0 0.0 1.0 0.0 1.0 0.0 10.0 0.0 10.0 0.0	Mir-96		·	5.	2 7	.8 9	7.7	0 35	, 4	1 6	4	251	36	20	) 7	0, 0.3	0.01	0.	6 0	4	0.0	0.0	\$ 55.	4,
Jun-96 20.5 8.0 8.0 66 390 3.5 7.6 296 557 16 50 0.4 0.01 1.8 0.5 '0.12 0.07 61.1 Jun-96 21.8 8.0 4.5 4.5 50 6.8 14.1 443 40 22 71 1.7 0.40 0.9 2 0.00 0.04 51.5 kug 96 22 0.7 9 5.8 68 457 3.1 7.5 51.0 18 20 55 1.1 0.02 11 1.6 0.24 0.05 28.1 kug 96 22.0 7.9 5.8 68 457 3.1 7.5 51.0 18 20 55 1.1 0.02 11 1.6 0.24 0.05 28.1 kug 96 21.1 1.8 3.7 37 500 4.7 9.6 305 44 15 36 0.02 14.1 1.3 0.16 0.04 70.6 0.04 70.6 0.04 70.6 0.04 70.6 0.07 0.07 0.07 0.07 0.07 0.07 0.07	Apr96		·			.4	2,																	
Aug 86 22 0 7.9 5.8 68 437, 3.1 7.5 319 18 70 35 1.1 0.07 1 1.6 0.28 0.05 28.1 Sep-86 21.1 7.8 3.7 37 500 4.7 9.6 305 44 12 56 0.5 0.5 0.07 1.6 0.0 70.5 0.0-96 15.8 7.8 7.4 77 345 22 65 23.0 44 12.8 55 0.0 1.6 0.6 0.07 0.0 75 Nov-96 13.2 8.0 6.1 62 478 3.6 6.8 317 32 79 36 0.9 0.0 1.6 0.6 0.0 70 0.0 76 Nov-96 13.2 8.0 6.1 62 478 3.6 6.8 317 32 79 36 0.9 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Jun-96		L	20.	5 8	3.0 8	3.0 €	6 19	3	.5 7	6	290	55	10	5 5	0 0.4	0.01	i,	8 0	3	0.	2 0.0	07 61	Ü
Sepole 21.1, 78 3.7, 37, 300 4.7, 2.6, 305 48 15 56 0.5, 0.02, 1.4, 1.3, 0.16, 0.04, 70.6, 0.02, 0.6, 0.6, 0.6, 0.6, 0.6, 0.6, 0.6, 0.6	2-Jul-96		j															0.						
Nov-96 132 8U 6-1 62 478 3-6 6-8 317 25 29 3-6 0.9 0.01 0-6 0.3 0.13 6-6 1.  ntin 00 3-6 20 6-9 16 100 2820 722 390 8820 20 810 110 0-0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Sep.96	eg in see The second	ag ara ara Ara ara ara	21.	1	7.8	3.7	7 50	0 4	.7 9	.6	30	4		5 5	6 0.5	0.02		4 1	.i	0.1	6 0.0	<b>4</b> , 70	6
min 00 50 20 69 10 100 2820 22 35 290 1820 20 80 110 00 00 00 00 00 00 00 781	Nov-96	ŀ																		16				
max 0.0 266 295 25 11.4 (17.0 593.0 73.0 49.9 92.0 644.0 223.0 56.0 126.0 5.4 0.2 31.2 4.6 0.0 6.0 1.0 92.0					1					•		1	1	1	1 -				1					3.3
AND	min	0.0																						

Parvomay on Maritza River (Station No 30060092)

Dala	Q	T <sub>w</sub>	Ťw	Ph	DO.1	DO,	EC'	BODS	Oxid	CODa	DS	SS	CI	504	NII4N	NOLH I	NO3-N	PO4	HIS	Fo	ASD.	Cs.	Mg
	(m3/s)	(°C)	(c)		(mg/L)	(%)		(ng/L)	(perman) (mg/L)	(mg/L)	(mg/L)	(me L)	(mg/L)					(mg/L) (		ng/L)		(mg/L)	(mg/L)
9 Feb 87 10 Mar 87	29.9	-3.0	3.: 1.:	5 7	3 7. 9 8.	≥ 5		14 24 B	8.5 21.7		389 333	11 124	21 6	62 86	0.47		5.96 0.9		oʻ	1.02		·	
2-Apr-87 2-May-87	149.0 86.0	168	10.1 16.	4 8	5 6		8¹ 4	6.5	37.3 4.7		249 128	18 18	16	72	5.1 1.2		2.41		}	0.44 0.15		49	
2-Jun-87 11-Aug-87	83.0 25.0			0 1	5 5 8 3			2.7 28.5	7.2 11.6		242 413	86 30	17 23	57 90	0 23 2.9	1 1	2.4		0	0.6		77	15
31-Aug-87 5-Oct-87	27.0 40.0		144	0 7	7 7. 8 4	4	7,	13.6 4.4	11.4 32		384 430	65 38	20	. 87	6.4		0.7 12		0	0.3			
23 Nov 87 2 Dec 87	\$3.0 \$1.0	9.5		0 7	3 6. 8 5	5	2	20.5 16.8	103		255 282	205 87	13 24	84	1.29		5.96		6	0.8		37	15
7-Jan-88 25-Feb-88	37.0 29.0	4.3	7.6 6.4	6 7	7 4 3 1	6	8	4 20	33.2 5.5		341 425	69 44	29	33	2.3 2.14		16 88.1		1	0.2		69	14
1-Apr-88 3-May-88	96.0 32.6	12.6		4 6	7 7. 9 6	6	i!!	5.3	47.4 \$.2		254 310	78 24	14	39	0 88 2.61	;	20 3.58		!"	0.05		55	
1-Jul-88 17-Aug 88 5-Oct-88	57.0 24.8 26.0	28.8	23.0 23.7 16.7	2 R	.6 4.6 .5 3.6		il	2.8 22	30.2 13.4		304 366	143. B.	21	82	1 4 0.98		16			1.1		48	22
19-Nov-88 14 Feb 89	49.0	6.5 3.6	6.	3 7	1 2. 0 7.	6	1	34	50 7.5	10.000.00	430 352	29 12	24		0.53		18 3.86			0.17		60	11
22 May 89 6 Jul 89		102	16.4 25.1	4 7		) 1	0	28 5 27 17 8	10.6 10.7 49.9		419 352	15	30 21	107 68	1.13	- 14	4.55 0.95			009		57	18
16-Aug-89 17-Aug-89	Ĭ.Z;		24.0	D 7	7 5 8 3	6	2		17.3		394 388 359	75			1.3	0.04	<b>6</b>		0	0.09		:	,
30-Aug-89 7-Sep-89		15.4	18. 16.0	2 8	0 4			29.5 17.3	138		285, 356	60	ιé	103	0.0	0.04	1.48	0.5		0		. 48	10
4-Oct-89 16-Oct-89		13.0					5	14.9	39.2 14		352 319	14		 	0.7 1.3	0.04	0.8 .6 1.6	0		0.13 1.3			
17-Oct-89 18-Oct-89			12 (	0 7	3 .1 6		9	26.3 14.66	. 18.5 14.4		336 241	48	<del> </del>	<del>-</del>	1.6	0.03	1.1	0	;-	0.6 0.8	':	:	
19-Oct-89 20-Oct-89			13 2	2 7	.6 5.9	( ) ( )	7,	10.6 9.4	15.2 15.8		179 204	50 50	· · · · i	· į	0.2	0,04	0.6	0		1.7			
21-Oct-89 22-Oct-89			13.5	5 2 0 7	6 4 7 6		s;	9 <u>2</u>	12.2		267 244	78 44		j	0.8	0.02	0.6	9		0.2		77.	
23-Oct-89 24-Oct-89			13.0 13.0	0. 7	.7, 5.5			1 í 2 8.3	12.2 13		284 317	34 60		;	1.l <sub>1</sub>	0.04	0.8	8		0.7	0		٠.
3 Nov-89 19 Feb-90		8.4 2.0	12.7 5.8	7 8 7	6 9	7	0	13.8	8.2 6.4		360 358	50 48	26 23	76 93	0.86 0.66		2.87			0.09 0.82		60 56	. 11
I-Mar-90 4-Apr-90	ļ		6.5 13.0	0 9	9 7. 0 3.	3	2	26.2 19	39 101		379 441	82 63	24	78	2.7	0.06	2 3,	0.9	- 1	0.14	0.4		
20-May-90 5 Jul 90	 	202	24.6	o ž		5	\$	30.5 11.5	7,4 31.6		291 411	28 3	25	61	0.63 2.t		1.79	1		0.08		58	. 12
6-Aug-90 10-Oct-90		17.4	16.	5 8	0 9.0 0 2.0	2	7	12.5	10.7		340 435	102 39	33	90	0.16		3.69			0.18 0.18		63	16
5-Dec-90 6-Mar-91			7.0 5.0	0 7	.7 10.		0 283	21 9.6	15 12.8		387 252	88 105	27 21.4	84 78	3.7 <sub>1</sub>	0.06 0.04	LJ LJ	0.16 0.2				;-	
6 May 91	ļ ;	17.6	10.0 15.0	6 7		6	2	5.1 14	11.04		225	215 15	13,	51	0.06 0.25		2.5 11.95			0.3		40	9
6-Jun-91 29-Ava-91 11-Sep-91	!	20.0		0 7	.2 4.		5	<u> </u>	12.8 5.9		362 362	43	20	63 92	0.94	0.09	3.16	j. j.	- 4	1.25		32	30
3 Oct-91 6 Nov-91		5.4	15.6	0 7			7.	4.82 4.8 12	4.88 6 3.2		298 356 223	91 41 24	25.2		0.56 1.8 0	8.09	1.24	0.27		0.63		. : مور درو	
3-Dec-91 9-Jan-92			5.0 5.0	0. 7	.2 7.9		355	5.6	6.7		275 276	71	21	52	0.8	0.01	1.12	0	 [-	0.26 0 0.2	gʻ	35	
17-Feb-92 11-Mar-92		10.0	9.0	0, 8	Q 5,		9.	24 4.8	6.2		325 301	56 40	23 22	63 57	3.03	0.06	3.8		i	0.6		56	11
11-May-92 10-Jun-92		28.0	19.7			6	6.	14 8.7	11.5		303 252	125	17	70. 47.	0.65	0.07	2.19 3.8	0.2		0.18 4.2	0.3	48 48.1	8
8-Jul-92 18-Aug-92		15.2	26.0 20.0			7	1	5 13	5.24 5.3	~	304 348	19	250	65,	0.7		1.7 1.25			0.08		39	
7-Oct-92 16-Nov-92		4.0	16 C	7	0 9.5	. 3		13.61	4.96 11.2		358 366	22 27	26,	78	1.64		2.6 13.18			0.1	17.1	36	7
8-Dox 92 12-Jan-93			6.4 3.1	17	7, 9.1	6- 7	414	6.5 8.8	10.4 8.3	.36	159 282	52 61	20	35	0.1 <sub>j</sub> 1.2	0.15	1.8	0,4		0.3 1.2	0	55	18
4 May 93 2-Nov-93			7.0 10.0	D 7	8 7.1	5 6	3 387	17.5 3.1	11.2 8.5	59 25	338 246	45 58	24; 18	100 46	2.1. 0.6	0. JR. 0.04	0.6	0.6 0.2	1	0.4	· · · · · · · ·	52	9.7
28 Feb 94 5 Apr 94			10.8 14.6	5. 7.	3 6.1	6	466	12 10.7	10.9	49	375 306	65	27	77 69	1.9	0.08	1.4 0.9	2.2 1.7		0.4	0.2, 0.4	61.6 60	17.6 18.2
3-May-94 22-Jun-94 5-6-1-04			17.1 23.5	5 7	3, 3.0	3	564	10	8.6 24.8	49 55	208 361	38 59	15. 26.	45 <sub>1</sub>	0.B 2.5	0.04	1.5 0.1	4.6		0.5	0.4	52.1 56.1	18.2 13.4
5-5u1-94 2-Aug-94	ļ ļ		31.2 23.1 25.5	i, 7	7, 3,6	6	750	16.5 5.5 4.8	9.6	46, 52	313 350	49 37 59	27, 28	59 55	1.3	0.06	0.2	3.7,		0.4	0.7	58.1 78.2	30.4 13.4
6 Sep-94 4 Oct-94 1 Nov-94			24.5 18.1	7		5: 4:	575	7.1 3.4	7.2 6.7		180 407 347	44	26 24	54 66 64	3.1 0.5	0.15 0.12 0.07	0.3 3.1	2.6 1.4	[	0.6 0.4 0.2	0.3	74 72.3 80.2	10.9 20.1 12.2
1-Dec-94 3-Jan-95	;;		73	5 7	5 60	5	526	5,1	119		391 270	46 40	26 18	66 58	2.1 0.2	0.02	1.9 2.2	1.1	·	0.4	0.3	80.2 80.2	12.2
1 Feb 95 1 Mar 95	-		9.1	1, 7	.7 9.0		506	4.1	7.3 5.2		342 299	35	23 22	92 57	0.9	0.02	2.1	0.8	:- : <u>‡</u> :	0.4		65.2	13.1 6.6
4 Apr 95 3 May 95	· · · · · · · · · · · · · · · · · · ·	;	14.4	1 2 1	8 6.1 .7 6.1	6.	436	4.4 3.4	5 6.7	i	300 201	45 59	19 15	67	0.7	0.02	1.3	0.6		0.06	999 0.02	61.Z 60.4	13.3 13.3
1-fun-95 4-Jul-95	!		72.8	7	5 6.6	7	447	4.1	5.6 5.6		284 275	37 63	23 20	53 42	0.6	0.04	2.1	0.9 L		0.2	0.02	61.4 54.1	17.5 7.4
1-Aug-95 5-Sep-95			25.2 20.5	2 7	.8, 5.6	. 6	470	1.8 3.3	4.8 7.2		337 242	41	20 21	59 51	0.3	0.01	1.1	1.3	100	0.03 0.21	0.05	72.4 59.5	9.9 20.3
3-Oct-95 1-Nov-95			15.0 13.9	) 7 9 8	.7 6.9 .0 6.0	7	496 7. 487	1.8 3.9	7,4 6,6		307 292	40 49	21 20,	55 57	0.6	0.04 0.02	1.9 2.4	1.5 1.2		0.13	0	78.1 61.1	13.6 14.5
1-Dec-95 3-Jan-96			7.t 5.6	6 7	.8 9.1 .1 11.1	9	305	5.8 6.1	8.5 11.2		199 209	50 131	13	33 45	0.7	0.01 0.03	1.9 1.8	0.5 0.6		0.1	0	43.9 40.1	9.3 11.6
1 Feb 95 5 Mar 96			2.5 5.8	8 7	.\$ 10,1 .8 9.6	8	2 371 3 390	4.4 5.4	7.2 6.1	- 7 - 1	278 262	49 32	20 19	32 73	0.7 0.4	0.02 0.01	1.6 1	0.7 0.4		0.07	0.48 0.01	49.7 55.3	8. 10.4
2-Apr-96 2-May-96			10.0	0 7 9 7	4 9. 7 7.0	7	3 367 9, 316	3.5 5.3	7,4		286 242	46 76	16 12	76 65	0.4	0.02 0.01	1.7 1.7	0.5 0.4		0.23 0.16	0.04	66.8 61.1	13.9 9.3
3-Jun-96 2-Jul-96			20.1 24.1	3 7 1 8	.8 6.5 .0 5.1	6 5	9 384 9 546	3,4 2.7			326 412	. 32 45	13 23	51 75	0.4 0.8	0.01 0.01	2.1 1.2	0.8 1.5		0.14 0.08	0.07 0.04	61.) 45.8	9.3 27.8
1-Aug-96 3-Sep-96	4 4		24.6 22.6	6 7	1 6. 9 5.	6	504	43 49	9.6 11.1		295 317	12 34	23 16	57 61	0.9 0.5	0.02	1.6 1.1	1.3 1.1	· · · · ·	0.09 0.12	0.03 0.03	72 76.4	10.9 15.1
1-O-t-96 6-Nov-96			15.8 13.		.8 7. 0 7.			2.4 2.8	6 2 5.7		233 321	48 30	7.9 29	59 47	1.1	0.01	1.7 0.8	0.8 1		0.06 0.34	0.03 0.12	76 64.1	15.8 17
mio	24.8	3.0	1,	5 7	0 1			15	3.2	25	159	2	6	33	0	0,		ģ	0	0	-999	22	4
dyk.	149.0 54.4	28.8 12.3	31.2 14.2	8. 7.				34 10.7	101 13.2	39 46.2	471. 314.8	215, 52.6	250 24.2	65.0	1.3	0.18 0.0	20 2.9	4.6 0.9	0.0	0.4	0.9 -29.2	80.2 57.4	30.4 13.5
H-Dissolved i																							

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturmion in water

Oxidizabilky (permanganere

Parvomay on Maritza River (Station No 30060267)

Date	Q	Tar		l' <sub>va</sub>	Fh	DΩ	ا <sub>ا</sub>	no, .'3	EC	nons	Oxid	COD,	DS	ss	CI	\$04	NH4-N	NO2-N	NO3-N	PO4	2411	Fe	Ma	C.	Mg
	(m3/s)	(°C)		<b>*</b> (2)		(mg/	L)	(%)		(mg/L)	(ng/L)	(org/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/l.)	(mg/L)	(mg/L)	(mg/L)	(m/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
16-Aug-89				26.0	7.7		5.4	63			16.7		356	42			0.8	0.03			Ö				,
17-Aug-89				24.0	7.9		3.7	47			13 2	٠. :	379	59			0.9	001	01			- 1			
7-Sco-89				17.0	7.7		5.7	59		13.7	123	100	. 379	24			0.7	0.05	!	0.5		1.6	. 0		
1-Mar-90				7.0	. 78		7.6,	63		12.5			333	83	33	. 76		0.06	2	0.9			02		
5-Dec-90				1.0	7.9		10	90	430	19.8			401	88	28.8	83		0.09	0.7	0.16					
6-Jun-91				20.0	8.3		7.2	80	356	10		. :	220	96	198	62		0.06	0.8 0.5	0.27		0.92			
11-Sep-91				17.0	8.2		95	99	443	5.34			324	87		72		0.03				0.92	0		*
3-Dec-91				50	7.2		9.9	77	358	4.9			259 307	101 46	19 21	52 59		0.03	1.6			0.7			
11-Mar-92				5.0	2.2		9.3	72	181 320	5.6 6.2			238		16	51		0.03		0.2		1.4	0.4	54.1	. 12
10-Jun-92		-		19.0	7.7		6.9 5.6	75,	512	3.7			343		23	78		0.03	1.5	03		0.5	0.7	53	
2-Sep-97				6.3	7.4		3.6 3.6	70	393	3.9		14	215		18	43			000	2.5		0.3	່ ຄ	53	
8-Dcc-97 4-Mar 93				7.0	8.2		9.4	77	514	5.9		51	341	44		118		0.12	1.6	0.5		0.7			,
				15.3	7.6		68	68	452	1.4		51	292		22	62		0.04	0.4	0.2		0.6			
6-Apr-93				16.0	2.7		79	80	451	5.9		38	236			59		0.06		0.1					
4-May-93 1-Jun-93		• •		25.3	7.4		5.9	74	406	4.3		61	258			49			2.6	0.5		100	٠.		•
7-Jul-93		٠.		25.9	5.2		8.1	100	572				346			67		0.03	0.1	3.2					
3-Aug-93				26.6	6.4		10.7	100	569	3.2		29	380			62		0.04	2.6	0.2		8.5	1.2		• • •
1-Sep-93				24.1	7,7		6.3	78	574	41			397			65		0.05				0.6			*
5-Oct-93				168	7.9		73	76	137	3.3			296			51		0.03	1.1			0.3		63.2	15
2-Nov-93				103	8.0		8.1	74	420	. 3			249	59	19	50	0.3	0.02						62	
1-Dec-93		,		5.5	1.8		9.7	77	378	4.4		66												50	
4-Jan-94				5.6	7.9	) 1	10.3	85	510	8.4	126	35	355	69			9.6	0.04					0.3		
I-Feb-94				6.0	7.7	, ,	0.7	. 86	519	2.9	1.6	33	221	37	24	. 78	5		2.2	0.4		2.2			
28 Feb 94				115	8.0	· ·	8 2	80	532	168	8.4	40	363					0.08				Ģ.4			
5 Apr-94		•		15.4	7.8	3	9.2	89	468	· 6	11.7							0.05				0.4		- 60	
3-May-54				17.2	7.7	1 .	6.5	. 64	355									0.04				0.4		52.1	
22-Jun-94				24.1	7.7	,	4.5	53	572		14.0	40						9.11				0.4	, <u>.</u>	44.1	
5-Jul-94				31.8	8.4		7.4	98	576				. 400											32.1	
2-Aug-94				24.1	8.0		6.2	- 86	574									0.07				. 0,6			
6-Sep-94				35.7	7.8		5.3	64	558				400									, 0.5			
4-0:1-94				25.6	7.5		4.5	58					400								San and a second		0.5		
1-Nov-94				18.0	7.6		6.8	. 72					360					0.03				0.2		80.7	
1-Dec-94				6.9			8.3	69			<u> </u>		36					9.04		0,1		0.2	9.3	56.1	
3-I+a-95				5.6	7.5		10.1	. 82					26					0.01	2.9				¥	36.2	
1-Feb-95	1 .	1	٠.	9.7			8.8	80 72					34 3D							9.	1	0.5	d · ·	68.8	
1-Mx-95				- 114	7.6		7.7	74					28					0.01		0.1	j	0.1		67.7	
4-Apc-95				186			7.4	72					23					0.01				0.1			
3-May-95			100	23.0	7.7		7.6	91					29					0.01				0.01			
1-100-95 4-101-95		4 - 4		25.0	7.5		7.9	94					- 23						0.7			· "		52.	
1-Aug-95				26.9			63	73				y	32					0.01				0.04			
5-Sep-95				22.3			9.0	100				i	31						1.5		í · · · ·	0.16		70.	
3-0a-95		•		15.5	7.5		1.4	17				5	29					0.02			1	6.00			
1-Nov-95	**		•	13.8			8.5	85					28					0.01	2.7		1	0.1	i	64.	7, ï
1-Dec-95		٠.		8.3			100	83				2	18	49		1 2	0.6					0.1			
3-Jan-96		٠.		4.7			10.6	85					24			4	4 0.8	0.0	1.8	0.0	5	0.1		40.	
I-Feb-96				4.3			11.2	85		5.	5 6.	f	29			. 3	7. 0.9			0.		0.			
5-Mar-96		:		5.5			9.5	80	410	ž (4)			29									E (			
2-Apr-96	2			10.5	7.	6	9.5	88				B	30						1.3			0.20			
2-May 96				16.6	7.	7	8.3	89				2	22									0.3			
J Jun-96		•		21.3			7.9	91				6	29							2 0		0.1			
2-101-96				25.4			5.1						40				6 0.4			[ ] b			0.00		
1-Avg-96				25.4			6.9	79					31					) . <u></u>				0.00			
3-Sep 96				22.1			8.3	. 80					. 29				O D.1					0.1			
1 Oct 96				16.8			8.4						25				2	0.0				0.0			
6-Nov-96	1	1		14.0	<b>3</b>	.2	8.2	2.0	5 49	6 3	1 5	7	32	7 3	2 20	ь 6	6 0.	0.0	1 0.1	5 O.	y,	0.3	2. 0.1	2 66.	40 to 3
									يو د ار		ومومالا		i 4.			j		يستنيني					. · · ·	0 2	
es ja		0.0	0.0	4.1			4.5						5 1				0 0.1		0 0				<u>.</u> '		
max		0.0	0.0	35.		4.	11.2										9 0.61786					0 0.0 1 0.106		1 50 AN	
316		0.6 PD	IV/BI	17.2	27.	.2	7.9	79.969	400.48	> 4.3678	8: 7,49090	7. 41.833	3 308 18	48.030	3. ZU.B4Z	* DO 187	9 U.D. //80	o UUPILU.	J 1.0(31)	J. E.EJ#/	a. TUZZY N	r: U.41904	C U.Z110.	27.V79	• I/A

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*3:</sup> Electric conductivity

\*4: Oxidioability (permanainate)

Dimitrovgrad on Maritza River (Station No 30060093)

Data	Q T	T	Ph	00	DO <sub>in</sub> *1	EC 3 B		) sidiz	COD	DS .	SS	ČI	504 .1	MIAN N	(O2-N 1	VOJ-N	POI	112S	Ft	Ma	Ca	į.
	(m)/i) (°C)			(mg/L)	(%)	(n			(mg/L) (a					(mg/L) {	mg/L) (		mg/L) (			mg/L) (r	ng/L) (	(as
Jan 87 Feb 87	5		7.9		16 76		7.1	33 6 5.3		404	110 7	47	100	5.9 3.38		1.2 4.39		٥.	0.22 1.74			
Mar 87 Apr 87	. 4		8.2	13.7	99		20.7	16.1 8.6		171 152	67 153	6 20	91 72	1.3 0.64		2.5 6.4		0	0.1		•	
12y-87	1	8 17.2	. 8	8.3	83		. 3	3		323	81	. 17	57	0.61		3.55			0 12		35	
#n-87 #1-87	17.		7.1	3.8			. 1.8,	. 10.1, 6.4		251 180	164	17.	59. 58.2	0.36		2.8 [6.4]		0	0.3			
ug-87		4 242	7.8	8.6	97	- 1	1.71	7.8	P	428	21	29	104	0.56		4.95		٠	0.02		74	
iug-87 ks-81	4		7.4	6.8 0.2			7.8	11.7 9.6	1 1	192 409	73 1420	24 24	91 135	0.08		132		. 0	0.5 0.184	*		
lov 87 kc 87		5 7.2 0 195	7.7	9.8 8.5		·	- 21 5.1	7.6 8.6		311	144 82	18 26	90 78	0.55		\$.15 1.7			0.23	;	41	
20 <b>8</b> 8	1	6	8.3	5.16	43			5	3-1 2.	308	96	26	982	0.04		3.2			0.036			
Feb-\$8 far 88	, <del> •</del>	3 58	8.7	9.5 8.5			16.5	9.4		426 320	12 52	27	74.	3,76		3.48 0.9			0.04	0	68	
W-48		3 10	7.9	6.6			4	64. 2.6		250 312	. 14 56	12	83.7 35	0.049		4.38		0	0.185	•	56	
17-88 11-88	15	16		9.6	98	<u>†</u> .	16.5	15.9		199	129	. H.		0.4	i	1		0	0	:		
uj 58 Upg-88	29	2 28 8 242					15	7.28	<del>.</del> .	426	26	28 21	88	0.116	;	0.23 2.53	:	0,	0.00\$		46	
k1-68		2, 13	14	5.76	60	or one fine		17.6	1 4-	590	160	35	70.3	0.12		1.6		ő	0.07			
lov #8 Xxx-88	<u>ئىي</u>	3 62	7.6	\$0.3 9.5			7.7	6.8 10.9		312 281	47 88	19	40	0 24 2.1	٠,	4.74 0.4	01		0.1	0.1	53	
fan 89		6 2 9 62				<u>1</u> .	27	4.8		360 420	196 39	25	98.4	0.03		5.35		. 0	0.068		30	
Feb 89 Mar 89		17.5	7.8	7.5	70		11.9	12		310	40	32	116,	0.4		0.3			. 1	1		
12y-89 May-89		9 16 3 16					17.5	19 8 8.7		416 337	167	23	54	3.5 0.08	0.57	3.69	95.2	0	0.31	-	50	
lua-89		2 12	13	<u> </u>	63			11.28		428	67	30	92.6	0.96	0.14	4.8		0	0			
Aug-89 Oct-89		6 20.6 2 16		1.28			10.5	9.84		346 396	24	. 23 32	108 51 4	1.32	0.25	2 f l 9.8		0	0.28		60	
iov 89 Jan 90	10	2 13.7 6 (			56 59,		9.B	6.2 9.6		265 332	72	29 20	68 45	0.62 1.6	0.06	10.4	'	:	0.09		61	
F-b-90		8 61	7.	19.6	85		9.5	5		372	26	25	100	0.64		1.75			0.86		52	
Арт-90 Say-90		0 14 17 19		5.04	19			9.6		436° 280.2	25 45.1	28	83.8 62.9	1.8, 0.4	0.3	10.2	1	.4	0.22	. :	. :	
44y-90		7 23.8					28	6.3		351 523	13,	22 42	63 104	0.2 0.25	وأبائد	5.78 2.23			0 0 28		62 72	
vg 90  25-91	23	8 23.2	7.		32		3.2	6.1 12		355	87: 18	27	ios	0.08	0.03	6.8		eren die Grand	9 41	4		
Feb 91 Feb 91			1					10.4		3941 425	67. 58.			2.18	0.04	}	1.2	- 0		1		
Arr 91		(O )	Ų <u> </u>	- 8.1	83			20		308	. 14	20	66 B	0.32	0.01	2		6	0.22			
(ay-9) Jul-9)	. 19	2, 161					. 3.5	3,8. 16		431.	37	<u>15.</u> 35.	60	0.3	0.43	2.49	1-		0.39		40	
Aug-91		4 20.1			86	,	2.6	5.9		387	5	24	103	0.25		2.32		}.	1.25	i.	37	
Oct-91 lov-91		6 9.		3.52			10	5.12 8.7		316 228	21	24 12	73.1 58	0.08	0.9	0.89	- 1		0.07 0.18		37	
Jan-91 Feb-92	16	6 9.6		15.M			11	4.8	1-	290 331	. 80 37	- 30 28	62.4	0.1	0.05	3.57		D	0.06	÷	56	••
May-97	25	5, 21.	<u>)</u> [1	9.1			13	2.8		297		20	56	0.49		1.56			0.01		42	-
1:1:92 Aug-92		20 23.6			89		4	4,48 1.8		280 378	26	38 23	51.1 68	0.03	0.01	1.79			0.23 1.79		42	
Oct 92 Nov-92	i I. 1	2 1					14.1	4.56 7.6		401 357	24	35 28	58.9 90	0.04	0.02	1.94	ļ i		0.04		37	:
Fcb-93		12.	7.	11.1	102.74	598	4.1	5.8		360	50	28.4	62.4	6.5	0.06	0.9	3.5		0.57	0	54.4	
May 93 Jun 93		17.5		7,	E B1 263. S 80.253	335 398	10.8	9.i 4.8	53 17	210	81 54	10.6	63.6	0.22	0.036	1.1 3.3	0.66	٠.,	0.4	0.07	40.1 77	
Jul 93 Aug 93	1. 1	24.5				420 552	2.5 9.9	7.5 10.9	22 32	396 465	36 60	30.5	. 81 90	0.22	0.051	1.66	237		0.62	0.05	52.3	
Sep-93	i i i i i i i i i i i i i i i i i i i	. 1 17	8.	, ,	80.393	713.3	2.1	8.32	47	447	50	22	58	0.1	0.07	3.21	2.52		0.18		50.8	
Oct 93 Dec 93	I	10.1			79.305 7 103.62	596 710	9.5	12.96 13.2	54 51	792	37 25	. 22	85 92	0.17 0.16	0.14	0.46	0.9	•••	0.24	0.19	•	
€± 94	المن هور وسواليون التوقيع الراجون	13.1	7.7	12.7	114.7	837.5		7.2	36	346	13	28	78.3		0.02	4.2	2.7	10.00	0.24	0.01	61.7	
Ap <del>e 94</del> Asy 94					80.28 81.322	612 375.6	5.6	10.6	36 34	<u></u> .	48 134	20 16	63.3, 46.5,	0.48 0.31	0.02	0.02	2.85		0.62	0.2	1	
Jun 94 Jul 94		18.9			7 79 173 1 <b>86 136</b>	705.4 605.5	17.5 20	14.9 9.3	37	].	81: 13 <sup>1</sup>	32 30	72.5 85.4	0.13 0.39	0.04	2.45 0.18	3.21	- 1	0.32	0.3	75.4	
lug 94	اد و در سارق معام	29	1	7.	76.341	603.7	46	13.9	31		40	28	10	0.4	0.02	2.2	3.46	!	0.06	0.16		
Sep-94 Oct-94	÷	17.6		5	6 70.687	555.5 613.6	12.6	5.76	71 15	+	61 31	35 22	70.5 115	1.64 0.11	0.04	1.79	1.95	;	0.05	0.28	** *	
lav 94 Dec-94	2 <b>3</b> (	12. 18.	7.7	10.	97.028	668.1 637	4.5	12.1 10.7	47		50	35.5	72 42.5	0.11 0.82	0.03	2.8 1.72	1.86 0.84		0.17	0.26 0.12		
in. 95	4	10.	5 7	9.	6 05 503	619.8		4.2	30	<del>.</del> .	33	23	87.5	0.109	0.07	2.4	0.84		0.3	0.07	64.6	
<del>-00-95</del> лы-95	p =	14.				602.7 620.7		6.12	38		28 65	26.6 21.3	15	0.21	0.07	1.95 2.3	1.95		0.07	0.03	53.8	
Apτ-95		14.	7.	4 9	8 94 194			4.2 2.4	33 25		62 36	14.2 22.3	83.2 82.5	0.17	0.03 0.04	1.15 2.03	0.47		0.24	0.04 0.14	•	
May-92 un-95		15. 15.	1 7.	7	9, 76.983	590		5.8	8	458	26	23	94.8	0.49	0.06	1.06	1.48		0.66	0.07		
(vl-95 (vg-95		16.			8 77,707 8 84.592	381.8 523		6 3 <b>2</b>	49	472	- 21 62	14.2	61.L	2.96	0.03	1.79	1.16		0.25	0.03	53.4 53.8	
Sep-95		26	5 8	3 70	6 81.386	454.8	······································	3.5	36	356 170	24	24.8	B7.6	0.078	0.03	1.7	0.9	0.02	0.02	0.01		
Oct-95 Nov 9	5	18.	2 7	5 8.	4 87.55			8.t 3.3	. 31	419	13 55	49.6 27.6	66 1 95 2	0.15	0.08	1.51	1.8 5.8		0.27	0.04		
Jan 96 eb 96		14.			4 90.029 1 104.78			3.6 3.76		270 246	12 31	19.5	66	0.68 1.31	0.05 0.04	2.99 <sub>.</sub> 16.3	0.76 8.96		0.17	0.02	60.6	
Har-96		13.	7.4	9. 10.	8 101.93	554.5	2.34	5.2	2	290	9	21,3	40	0.78	0.06	0.71	0.48		0.24	0.05		
Apr 96 Vay 96		16		4. 9.3 2 7.7	6 93.659 L' 81.729	376.6 274	2.59 3.6	- 10.4 3.6		206	19°	20.6 19.5	99.6 46.1	0.34 1.04	0.04	0.63	0.36		0.12	0.02	37.8	
luu 96	.;	24	6. 7.4	4. 6.	1: 65.245	403.6	12.9	5.8		301	30	25.5	98.6	0.164	0.009	2.01	0.9	:	0.12			
Jul-96 Aug-96		25. 23.	7.7	2 6.7	7, 71,766 2, 71,683	472.5	6.15 17.2	3.68		417 368	44 29	25.5 23	55.4	0.24 0.56	0.06	0.65 2.32	1.5 2.22			0.11	25.1	
Sep-96 -Oct-96		22 16	6 7.	7, 5.8	6 62.19 4, 30.103	569	7.2 2.06	11.6 2.64	. 49 20	385 342	24 17	24.8 26.2	77.5 39.6	0.46	0.03	1.56 3.82	J.26 0.93	0.003	0.24 0.16	0.04	٠.	
Nov-90	5	15.	2 7.8	5.7	5 56.125	558.4	6.4	4.24	23	330	30	24.8	86.4	1.07	0.00	2.04	1.05		0.25	0.02	37.1	
Dec 96		. 18.	7. 75	4,6.4	5 66 167	1 .	16.6	6.56			82		60.6	2.84	90.08	3.27	0.66		0.56	10.0		
min	. 4.4	0.5	2.2	0	2 13 7 i23.1	6.45	1.3 28	1.8 64	2 87	152	1420 [420	496	10 135	0 5.9	0.9	0.02	0.36	0.02	0 2	Q	25.1 81.7	
mar.	:																					

Simeonovgrad on Maritza River (Station No 30060268)

Data	0	Tpu	Tre	Ph	DO"	BO, *	EC.	BOD5	Oxid <sup>14</sup> (perman)	COD	DS	55	CI	SO4	NH4N	NO3-N	NO3-N	PO4	1125	Fe	Mo	C.	Mg
	(m3/s)	(°C)	(°C)		(mg/L)			(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/1.)	(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L) .	(mg/L)	(mg/L)	(ma/L)	(mg/L)	(mg/L)
11-Dec 89 1-Mar-90		3.0	9.0		14 19 19 7		•	7.26 14.9	15.36		358 432	19 80	33	117	1.68	0.05	2.7	2.5	0	0	0.9		
10-Apr-90		120	35.0	) 7	.3 3	2 3			18.4		242	34	40	82 8	25	0.05	2.4			0.36		· -	
12-Apr 90 8-May-90		24 0	13.0		.5 4 .5 4.			34			326 233.4	283 105	40	886	2 88 4.2	0.7	4.31 15.4		0	0			1
7-Nov-50			13.0	7	5 8	5 79.763			52		513	26			21	0.05	0.46	2.85		. jš	9 1		<u> </u>
5-Dec-90 14-Jan-91		7.0	7.0		.0 9.			24.3	18.6		447 388	142 31	31 28	101	0.1	0.4 0.1	4.3 6,8	0.4		1.8			
24-1-1-91		300			3 6				20.8		422	105	44	- 134		1.09	13	:		0.33			j
27-145-92 11 Mar 92		0.0			6 R				4.72		320	33	25	63.4	0.3	0.1	17.2			0.14		Ļ	1
12-Mar-92	:		7.0		6 9			3.2	13.28		332 336	46 98	20	78	3.47	- 01	2.87			; <sup>3,1</sup>			·j
8-Dec-92			6.7		3 10			4.5	6.2		175	83	19	78	0.1	0.15	2.2	03		1.3	. 0	6	
10 Feb 91 12 Mw 93	;		12.0 8.3		6 11. 4 5			8 05	12.16		345 477	78 24	28.4	69.5	4.5 1.73	0.06	0.92 2.6	4.		6.7 0.38	0 22	51	6,3
12 Mar 93			7.	7	8 11.	92.342	840	10.4	7.2	17	452	16	29.8	67	1.52	93	3.1	1.8		0.46	0	12	
7-Arx-93 12-May-93			190		9 7. 2 8			5.3 11.4	9.6 9.9		260 206	11 125	49.6 14.2	64.6 70.5	1.25 1.8	0.108	1.95 1.22	0.75		0.54 3.28	0.07	59. 38.	
16 Jun 93			25.2	i i	.6 7	7 8244	475.8	5.7	6.4	21	345	80	18	62.5	0.187	0.072	3.77	1.6		0.84	0.04	62	5 25
13-fel-93 11-Aug-93	: · ·		25.7		.7 S			82	11.7	41	456 418	70 45	28 32	114	0.1 0.67	0.078	2.21 1.49	1.59		0.16	0.03	49	2 <u>41</u>
8-Sep-93			16.9	9	5 6			29	10.72	46	475	60	32	56	0.06	0.14	2 02	2.67	11.15	0.36	0.02	49.	3 38
13-Oct-93 14-Dec-93			10.5		3 6 9 11	2 65.601 1 98.955		4.8	9.96	42 44	448	40	24	89 89	1.37	0.3 0.057	0.71	2.6		0.38	0.18		
11-120-94			100		1 9			9.t R5	13.5	84	7)	!#	28	416	1.0 <del>5</del> 5.3	0.037	2.i 7.2	1.41		0.78	0.43	8	0 27.
3-Feb-94			15.8		9 10			9.B	9.6			58		69.5	1.48	0.074	0.07	1.95		0.24	0.31		
9 Mar 94 6 A x 94	\$ + <del>\$</del>		12.7 17.5		8 10 8 7	3 96.095 2 72.251		5.9	6.24 12.5	33 37	334	19	26 20	87.7 77	0.55	0.02	5.i 3.56	1.83		0.22	0.12	78.	5
5-May-94			19.			6 78 321		4.4		53		9	12	47	0.28	0.28	0.11	3		0.36			1
8 Jun 94 13 Jul 94			18.5 24.8		9 6	5 66.834		16.3	10.7	47 39		34 61	35 32	96.5	0.58	0.11	1.12	3.3		0.79	0.54	_89_	3; 24.
4-Aug-94	4		29.	8	1 7	0 74.084	680.6	27	10.2	47		36	31	1.9	0.9	0.17	3.95	3.03		0.07	0.26		ļ.,,
7-Sep-94 13-Oct-94	· · · · · · · · ·		25.4			6 59.971 0 70.920		14 5 1	6.59	65 31		13 58	36 20	172	2.57 0.61	0.09	1.38 1.44	3.6		0.08	0.4	j	<u>.</u>
9-Nov-94			13.0	) 7	.9 10	2 95.716	763.6	12	12.4	52				65	0.6	0.25	3.43	1.95		0.17	0.14		j
14-Dec-94 11-Jan-95	i		18.4			8 100 17 2 91 120		3.6	4.8	43 35		60	46.8	49.5 102	0.98	8.05 0.18	1.95	1.28		0.34	0.11	73.5	9. 13.
9-Feb-95			14.	4 7	8 11		631		5.2	49		38,	28		1.2	0.2	1.79	1.65		0.06	0.02	55.	
9-Mar-95 12-Apx-95	ļ		14.			4 90.349 3 91.14			4.64 4.64	37 32		63	24.8 14.2	51.3 68.6	0.88	0.01	2.76	1.95 0.5		0.05	0.06		
10 May-95	1		15.			.1 88 676			2.4	32		43		77.5	0.39	0.11	1.8	1.14		0.23	0.05		1
6-Jun-95	1		15.			6 74.059			7.4		468	32	24.8	125	0.353	0.54	1.1	1.12		0.46			
4-Jul-95 7-Aug-95	p		16.0			5 74.128 9 82.921		ļ	8.6	29	476	35 57	24.8	54.2 66.2	0.03, 2.35	0.19	2.54 2.1	1.25		0.87	0.01		
6-scp-95		1.	26	. 7	.1 6	6 70 65	1: 485.6		4.3		371	29	26.6	96.6	1.76	0.53	2.03	0.975			1	1	1
11-Oct-95 15-Nov-95	+ -:		18.		1.6 1.4 g	2 35.384	711 6 482.6	ļ	6.6			<u>12</u>	38.9 24.8	64.4 76.6	0.279	0.22	2.43	1.8 2.6		0.02			· • · · · · ·
6-Dec-95	1		14.	6 1	1.3 8	2 79.230	3 468	· · · · · · · · · · · · · · · · · · ·	6.6		222	41	24.8	79.4	1 64	0.09	3 04	1.15		0.23	0.04		1
10-Jan-96 6-Feb-96		i	14.			3 89.070 3 83.448		į	3.6		272	26 28	21.3	68 109	0.001	2.35	2.35	0.84		0.34		60	a 16
6 Mar-96	,		13	2 1	7.6 10	3 97.024	3 560.E	3.06	6.24	ii	289	51	21.3	62.5	1.18	0.05	0.52	0.54		0.23	0.06		1 - 10
9-Apr-96 8-May-96	المساب		16.			2 91.490 2 76.534		4.84			202 233			117	0.39	0.06	0.68 1.18	1.62 0.45		0.14			
4-Jun-96			24	3	1.5 6	3 67.334	11 405	12.3	5.21		300	47	23.4	114	0.21	0.051	1.78	0.9	r	0.12	0.0		5
9 Jul 96 9 Aug 96	4		25. 23.			8 62 125 1 54,466		5.6 19.8			449 410	38	24.8 26.6	41 64.6		18.0	0. <del>69</del> 6.46	1.05	L	0.12			
10-Oct-96			15.			9 28 779		2.04	2.84				26.0	37.1		0.12		1.02		0.16			\$ 23
13-Nov-96	1		16	(L	1.8 5	4 53.915	7 585.9	5.2	4.90	18	340	41	24.6	115	0.52	0.33	2 18	0.96		0.17	0.03	38.	<b>4</b> 0
4-Dec-96		ere e	118.	B	7.5 6	61.868	631.4	7.09	11.0	24	231	117	14.2	59.6	2,49	0.15	3.86	0.84		0.72	0.04		-
mer	0.0	0.0				9 28 779			2.4	11			12	8.9	Ò	0.02	C	0.3		, ,		37.	
max avc	0.0 D(V/0!	30.0				4 111.30	4 591.504						49.6 26.7275	172 80 0647	1.41153	0 25721	118678	1.69806	0.004				3 41 6 21 631

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen steration in wat

<sup>3:</sup> Electric conductivity

Harmanli on Maritza River (Station No 30060096)

Date	Q	Τ <sub>Ψ</sub>	T <sub>ug</sub>	Ph	DO.	ກດ <sub>ເພ</sub> ີ່ 2	EC'	BOD5	Oxid I (permis)	CODec	гg	\$\$	CI	801	NR4-N	NO3-N	NO3-N	PO4	1125	Fc	Mn	C.	Mg
105.547	(m3/r)	(°C)	(°C)	36	(mg/L)			(mg/L)	(mg/L)	(mg/1.)		(mg/L)				(mg/L)	(mg/L)	(mg/l.)	(mg/L)		(ng/L)	(mg/L)	(mg/L)
10-Feb 87 10-Mar-87	49.0	9.6	3.5	7.5	9 9	75		9.6	21 2		507 507	130	32 14	92 ;69			7.31		o	6.3 1.1			
1-Apr-87 4-May-87	91.0 58.0	6.0 22.2	19.4	7.5	5.7	55		22	11 S 5 9		234 491	192 37	22 25	93 108	0.74	:	<u>8</u> E.97		0	0.4 0.09		75	. 15
2-Jun-87 8-Jul-87	95.0 80.0	21.0 27.0	19.0 22.0	7.1 7.3	3.0	35		20.1	19 2 6		359 326	156 194	21	114 125	1.18		1.2		0	0.06			
11-Aug-87 31-Aug-87	28.0 28.0	27.6 21.0	26.0	7.5				19.5 13.3	7.7 14.4	- 1	589 580	34 65	34 20	233 194			11.67			0.12	6	102	. 10
8 Oct 87 25-Nov-87	42.0 86.2	16.0 13.5	12.0 9.4	7.5	2.4	22		25	15.2		376 422	590 94	11 27	176	0.12		12 15 23		, o	0.72		40	
2 Dec 87 6 Jan 88	59.0 40.0	12.5 13.0	11.5	7.6 8.5		57		12	31.4 6.9		455 466	80 14	32 35	159 174	5.85		3.8		0	1.27		49	14
26-Feb-88	31.4	4.4	7.8	7.8	8.2	62		10	6.4		615	55	43	142	8.97		2.21			0.13	- 1	82	26
8-Mar-88 21-Apr-88	115.0	180	8.0 140	8.1 8.0		63		8.5	48		459 156	106	42	86.7	0.069		12.4		o	0.112			
5-May-88 3-Jun-88	42.2	25.0	18.0 19.0	7.5 7.8	3.7	32		19 30	3.4 25		484 327	147	38	133	4.61 4.6		11.59		o d	0.09		81	16
5-Jul-88 18-Aug-88	38.0 25.0	34.0 28.4	30.0 28.2	7.8	3.7				6 64 19 2		576 571	92	30	158 204	2 88 7 87		1.79		0	0.15 G		62	. 36
1-Scp-88 3-Oct-88	29.0 29.0	22.0	22.0	7.5	6.3 4.6			20.5	13.2 16		574 562	70 526	38	126	0.15		0.1 7.2		o	0.7 0.12	0.3	. :	
17-Nov-88 7-Dec-88	62.2	6.5	6 2 7.0	7.2 7.9	9.8 8.0			1.4 13.1	7,8 16.t		425 451	33 109	26	105	0.25 3.1	1	13.24			0.19 1.4	0.8	69	16
11-Jan-89 15-Feb-89		10.0 4.8	64	7.5 8.0	11.4 8.5			39	4.64 8.7	i	430 588	\$4 71	25 39	63.9 364	0.06	2	4.8		0	0.05		86	
21-Mar-89 3-May-89		21.0	14.0 19.0	7.6	6.7 8.2	66		17,7	17.5. 21.6		408 580	90	49	,,,,,	1.9		0.7			1.7	Ļ		
23-May-89	t energy	19.0	20.4	7.5	4.6	49	و درد. وحدد سراط	21	9.5 13.8		526	212	30	197	5.66	14	12.4 1 01	163.8		0.39		75	t6
1-Jun-89 28-Jun-89		25.0	23.0	7.8 7.5	4.5	49	 	13.8	13.28	1	550 400	43 36	30	LI7	0.99	0.3 0.05	0.3 4.8	02	. 0	0.28			
7-Scp-89	1	17.4	20.6 19.5	8.0 7.8	3.5	38		44	13.2 9.3		468 455	72	16		1.64 3.4	63I.	2 2.9	0.07		1.5	o	73	t i
2-Oct-89 4-Nov-89		15.0 19.5	16.0	7.3 7.8		82		12.4	9,84 8.8		426 458	90 278	31. 33	86.4 152	1.78 5.41	1.5	21.4 3.77		O	0.4 0.17	- 1	72	14
12-Jan-90 20-Feb-90		8.0 4.0	6.0	7.6 8.4	9.4 8.5			13	7.2 12.5		274 509	92 43	30 18	103 169	15.1 3.35		0.1 1.52	24		2.92	- 1	74	15
I-Mar-90 10-Apr-90		12.0	9.0	7.8 7.5	5.8 3.6	50		29 3	39 16.8		465 334	14  82	41 36	155 127	6.2 1.5	0.04	3.1 18.6	1.6		0.1	Ö		
12-Apr-90 8-May-90		25.0	13.5 20.0	7.5 7.6	4.5	43	700	34.2	41.6		572 500	238 64.5	31	96.1	5 03 7.5	0.6	5.75 17.8		, i	0.1			• •
21-May-90 6-Aug-90		28.0 29.4	21.8	7.8 8.0	7.2	89		8.7	8.9	†	622 1259	35	43 109	209	3.34 8.77		5.23 7.1			5.23 0.4		87	!?
7-Nov-90	ļ ;		13.0	7.8	6.3	59.119	\$39		16		526	36			48	0.09	0.21	2.7		1.5		150	34
5-Dec-90 6-Mar-91		i i Isaa	7.0	7.9 7.8	10.0	83	162	22.9 6.2	14.5 11.5		547 325	102 92	36 28.1	173 100	4.3 1.2	0.25 0.1	1,7,	0.3 0.3		1.6			
26-Apr-91 6-May-91	a marria a marria a a	17.0 22.4	15.0 19.6	7.1 7.3	9.2 6.7	98		9	2G 8 2	-	365 300	75 19	. 25 19	127 89	0.6 0.25	0.04	8.6 15.96		Q	0.16 0.36		45	. 13
6-Jun-91 24-Jul-91	11	30.0	22.0 26.0	85 7.3	6.3 6.6	82	450	13.4	11.5 18.4		350 531	124 71	24.8	103 178	0.78	0.66	9.6	0.34		0.15			
29-Aug-91 11-Sep-91		27.8	22.8 18.0	7.6	5.9 9.0		539	17 4.59	6.32		468 447	73	30 35	151 108	5.82 1.68	0.22	3.22	9.41		0.74 0.84		40	22
21-Dct-91 6-Nov-91		25.0 3.8	20.0 8.6	7.5 8.0				12	6.72 4.7		440 293	25 39	3Ò	111 92	0.17	0.85	16.2 7.26	;		0.03	- '	43	
3-Dec-91 27-Jan-92	1	0.0	6.5 2.0	7.3 7.8	9.9	81	472	6.1	4.7		422 380	41 69	28 27	105	0.3	0.07 0.15	49 124	0.4	0	0.1	0		. ]
17-Feb-92 11-Mar-92		16.0	10.4 5.0	7.4		72	506	9 13.6	2.6 15.2		515 436	36 105	43 31	133	1.69 3.6	0.09	21.89			0.01		69	24
11-May-92 10-Jun-92		31.0	21.6 25.2	7.4 8.0	6.1	73		26	9.3		377	14 50	27 21	113	0.61	0.04	2.12			0.36		57	12
18-Jul-92		24.0	21.0	8.4	7.4		394	ق در د. اور را د.	4.96		309	52	23	45.2	0.05	0.2	0.8	0.3	0.	0.14		64	14.6
18-Aug-92 2-Sep-92	ļ	28.6	25.5	7.5 8.6	7.9	98	629	15.5 6	9.3		530 458	42 91	31	174 144	0.66 1.4	0.19	4.78 3.4	0.4		0.8	0	55 60	50.3
6-Oct-92 17-Nov-92		23.0	19.0 <sub>1</sub>	2.3 7.0	6.9	55		13.72	5.12 6.3		301 408	177 48	27 39	143	4.18	0.3	18.98			0.14		44	. :10
8-Dec-92 10-Feb-93	i	:i	6.5 10.8	7.8 7.4		92.4213	566) 846	6.3 5.6	7.4 8.2	28	357 594	68	27 35.5	68.2	0.6 8.7	0.24 0.05	3.6	D.4 2.7		0.7	0.22	22 <sup>,</sup> 89	30.2
12-Mar-93 7-Apr-93	i		7.5 18.3	7.0 7.5		85.6872 71.4648	1069	9 5.3	7.68	26° 45	605 459	17 (5	39 35.5	65 63,	2.46	0.09	2.78	2.3 1.95		1.22	0.27	72.1 64.1	40.9
12-May-93 16-Jun-93			17.3	1.2 7.4	8.6 7.2	86.6626 77.0564	453,2 623	[4.2 6.6	13.6	56. 23	265 475	123 46,	30	67.5 64.	1.7 0.47	0.135	1.49	0.96 2.4		2.04	0.14 0.06	40.1 78.5	13.6 25.3
13-Jul-93 11-Aug-93	-		24.9 23.1	8.4 8.1	7.9	14 548 78.736	648 685.5	7.4 10.5	10.7	33 29	556 460	20 52	38 42	180 88	0.1 0.62	0.105	2.02 1.61	1.89 5.4	1	0.52	0.1	69.3	42
8-Sep-93 13-Oct-93			17.2 22.4	8.1 7.6	6.0	60.3788 44.5217	943 730	3.7 11.5	9.76 7.36	51 45	595 470	60 52	28	11B 137	0.92 0.95	0.23 0.2	2.16 0.42	2.91		06	٠.	\$3.9	\$1.4
14-Dec-93			11.3	7.9		92.5006 6.4	808 1128	8.8, 9.5,	11.5	39		52 25	30	67 153	3.16 3.21	0.06	1.7	2.49 2.1		0.64	0.1	104	
3-Feb-94			15.2	7.8		87.8484 81.9207	1072	8.6	9.92		ا	58	31	110,	2.18	0.078	4.05 0.08	2.54	1.17	0.23	0.3	101	29.2
9-Mar-94 6-Apr-94			13.8 17.5	7.8	6.4	64.6688	1184 823	5.4	7.2 13.4	29. 35.	527	20 31	32 28	116 106	1.07	0.03	5.85	2.22 2.4		0.24	0.18	102	25.3
5-May-94 8-Jup-94	1		18.6 18.9	7.7		58.6087	679.7 978	15.5	112	47		70	- 22 38	723 140	1.06 2.65	0.37	2.55	3.6 3.6		0.38	0.2	1554	24.2
13-Jul-94 4-Aug-94			25.2 30.2	7.9 7.8	7.0	70.6663 73.8355	809 810-5	20 28	12.8	30' 28		39. 25.	30 23	164 83	0.88 0.75	0.08	0.44 2.3	2.28 1.93		0.4 0.08	0.63 0.23		-
7-Sep-94 13-Oct-94			25.5 17.6	7.9 7.4	6.0 7.6	64.2607 76.8972	773.5 848.5	15.5 6.5	9.1 5.76	74 25		70 37	48 28	68.2 102	2.14 1.64	0.09 0.38,	1.24 2.3	3.3 2.1		0.07	0.18	-	
14-Dec-94 11-Jan-95	1		18.7 10 0	7.9 7.6	10.2	104.636 80.239		1,8	9.6 6.2	73 <sup>1</sup> 38		48	60.2 35.5	47.5 120	0.97; 0.47	0.07	1.61	1.2 1.24	<u> </u>	0.42	0.21 0.1	72.3	19.6
9-Feb-95 9-Mar-95	ļi		14.6 14.4	7.7 7.6	11.6	112.082 91.4718			6.L 6.27	43 35		40	25	71.7	2.74, 3.18	0.11	J.95 3.22	1.95	 	0.09	0.1	27	18.6
12-Apr-95 10-May-95			F4.3,	7.4	9.3	89.3884 89.9488	547.5 626		3.1 3.1			72 38	17.1 23.5	72.6 71	0.15 2.18	0.07	1.6	0.77 1.28	- 4 	0.28	0.06		
6 Jun 95	ļ.: <u></u>		15.0	7.3	7.9	76.368	758		9.3	19	485	28	28.4	234	1.33	0.46	1.43	0.92		0.54	0.1	26.0	مرتوبات
7-Aug-95 6-Sep-95	ļ <del>ļ</del>		26.8	7.8 7.8	6.3	82,4772 67,4396	701 541.4		3.7 3.9	41 35	426	69 15	28.4 28.4	65.4 148	3.08 0.87	0.06	1.93	2.1 0.45		0.08	0.09	76.9	19.6
11-Oct-95 6-Dec-95	11		18.5 14.6	7.5 7.3	8.2	79.2303	850 598		9.3°	99	483 285	12	12.5 26.9	134 58.2	4.93° 4.54°	0.21	1.97 5.78	7.6 1.64		0.02	0.01		
10-Jan-96 6-Feb-96			14.1 10.5	7.8 7.8	9.2	88.1131 76.6685	662.2 711.3		3.28	26	344 277	14 35	24.8 26.6	114 140	1.17 1.93	0.06 0.1	2.66 8.9	0.8 0.75		0.21 0.08	0.64 0.05	68.2	20.8
6-Mar-96 9-Arr-96	÷	i	13.1 16.8	7.6 7.4	10.4	97.7801 89,9564	676.2	4.75 3.14	4.96 10.2	10	356. 198	61 15	24.8 25.2	139	1.06 0.25	0.1	0.48 1.56	0.63	}	0.3 0.14	0.07		
8-May-96 4-Jun-96			22.2	7.2	6.0	63.737 66.2267	408.7	7.14	4.16 8.1		317	27 80	23 24.8	34.5 105	0.189	0.27 <sub>j</sub>	2.12	0.75		0.19	0.04	51.6	12.8
9-Jul-96	i		25.7	7.5 7.5	5.5	58.912	722.3	12.7	6.56 9.2		602 501	27	28.4	34 72.5	5.24	0.58	1.49	1.56		0.1	0.04		
9-Aug-96 4-Sep-96	i i		23.3	7.4	3.6	7. 52.1838 5. 37.8217	709	8.2	11.2	48	430 500	89. 54	31.9 28.3	72.3 106 124	0.68	0.94	2.46	1.14	. : : :	0.06	0.17	89.3	,17.7
13-Nov-96			15.7 14.8	7. <b>8</b> 7.7	5.1	26.7562 51.1862	425.8	2.65 5.1		15	405	7 85	28.4 35.5	115	2.25 1.74	0.11	6.03 3.4	1.26	بلاد ده د از د	0.12	0.05	49.4	13.1
4-Dec-96			18.3	7.5		54.4153		103	<u> </u>	25	244	334	14.2	78.2	2.06	0.16	<u>1</u>	0.96	<u>.</u>	0.67	0.03		
msz	25.0 115.0	0.0 34.0	1.0 36.2	7.0 8.6		112.1	1184.0	1.8 \$4.0	2 6 48.0	10.0 99.0	156.0 1259.0	3.0 590.0	11.0	34.0 588.0	0.0 48.0	0.0	0.0 32.0	0.1 163.8	0.0	63	0.0	22.0 1554.0	6.0 51.4
åVt	54.1	17.9	16.2	7,7	7.1			13.3	10.5	40.3	451.3	77.2	30.9	125.4	3.0	0.2	5.2	4.9	0.0	0.6	0.1	105.8	21.7

Svilengrad on Maritza River (Station No 30060272)

Data	0	T,		Tes	Ph	00	, mm	90 <sub>18</sub> 9	EC'3	BOD5	Oak)*4	COD	DS.	SS	CI	SO4	NH4N	NO2-N	NO3-N	PO4	HIS	Fe	Ma	Ca	Mg
	•	_		-						· • • •	(ptresti)	(d)		. (	·	(mad)	(mg/L)	(mad )	(m=5)	(me/2.)	Lens.	\ tmeft \	(med )	(org/L)	(mg/L)
	(m3/s)	Ç		(°C) 25.0	7.8	(mg		(%) 56.1314		(mg/L)	(mg/L) 56		(mg/L)	(mg/L)	(11/2)	(mg/L)	8.2	(mart)	(m)/L)	(mg/r.)	: (the t	(ingr)	GIQUE)	(territy)	(value)
15-Aug-89 16-Aug-89				260	7.1			63.1988	1 :		27.2						158								
13-Val-83				25.0	7.5			66 2242			. 14						94		•		•				
18-Aug-89				25.0	76			67 1355			18				1		25								
19 Aug 89				24.5	7.5			56 6753	•		164		<u>.</u>	1			2.07								
21-Aug-89				26.0	7.6		6.7	71.7681			13.6		: '				. 24								
22-Aug-89				24.5	7.2		7.3	78 G621			19.8						3.1								
22-Aug-89				24.5	7.1			79.1313			17.9						1.87								
22-Aug-89				25.0	.1.6			67.4355			16.2			-			1.36								
28-Aug-89				25.0	7.4			69 5059			15.6			, .	j '3	4 19 2	1 44	0.01	4.4	1	7			č.	
1-Mar 90				10.5	7.9		74	64		15.5			41					0.14				1.0	, ,		7
5-Dec-40				7.0	7.9		9.6	79	551	25.1	19.3 13.6		49					0.00				•			1
14 Jan 91			8.G	10	7.0 8.3		7.1	33 83	373	9.9			22					0.06				1.1	í		
6-525-91				23.0 22.0	8.4		1.3	\$4:	443	9			24					0.05			9	1.6			1 1
6-Jun-91 11-Sep-91				18.0	8.2		6.2	66	485	86			36					0.45				0.90		)	
3-Dec-91				60	7.3		9.6	77	444				34				0.6	0.02	2.4	0	4		' ' (	)	
11-Mar-92				5.0	7.3		8.0	63	500	13.			43					0.08	0				2		
10-Jun-92				25.8	81		7.5	93	376	6.			29					0.01				0.			
10-Jun-92			٠.	220	7.9		7.1	82	333	3.	7.1	la	24					0.04			2		0		
2-Scp-92				26.0	8.6		7.8	97	562	11			36								3	0.			
8 Dec-97				7.2	7.7		9.6	79	524	5								0.2			4	0.		6	
10-Feb 93				11.0				96.4218	862	3.			. 53					0.04			3	1.3			
7-Apr-93	,			183				19.6322	925	5.			7 47								î	0.6			
16-Jun-93				25 2				78.1612	630							5. 19		0.013				. 0.5		- 41	
13-Jul-93				25.2				83.5147	640								5 0.5				.6	0.8			,
11-Aug 93			'.	27.3			8.4	42.8383	670,2 991.2	!						8 11						0.6		5 58	5 52
8-Sep-93				16,5				77.4279	721							5 15					5	03			
13 Oct 93 14 Dec 93				10.6				96.0104	832						9	11					37	0.5	6!	:	4
11-121-94				9.8				78.1262	1032					0		6 76					83		0.3	B [0	ii 3
3-Feb-94				15.1				91.6003	1112				:-:	. 6	2	14	0 1.37	0.041	0.0	5 2	ii.	0.2			
9-Mar 94	* *			13.7				91.2789	1249				8 54			8 H	2 2.26					0.2		89.	8 3
6-Apr-94				17.1			6.8	68 3339	E42	T i	13.	2 3	1		4 7	5 98	5 0.60	0.0				0			
8-Jun-94				18.9		3	6.7	68 8909	890.1	16	5 14.		2			0 10					1.6	0.5			27
13-541-94				25.2	8.	7	8.0	85.6561						10		8 20					36	0.4			
4-Aug-94				30.3			7.1	74.8362					8			8 11					51	0.1			44 (17)
7-Sco-94				25.4				71.7521								8 63					1.9 25	0.1		٠	÷ .
13-Oct-94				17.7				89.1569					5		u		5 0. 2 0.5				6.3 i.8	0.7			
9-Nov-94				12.7			.9.4	97.6986			5 13. 6 7.		2	- 1	2 53		50 0				36	0.3	***		
14 Dec-94				18.9			11.8				6 7		2		2 53		50 0.5				36	0.3			
14-Dec-94			-	101			11.8	121.33 82.3561			° (		9		9 30		Xi 0.				96	·			6 23
11-Jan-95 9-Feb-95				13.6				118.634				7	ín	11	2 26		2				.8	0.0	7 0.0		
9 Mar 95				14.1				93.2331	76.				š		2 28		28 0.4				65	0.0	<b>8</b> 0.0	15	
12-Apr-95		• •	1	14.3			9.4				4.6	4	4		6 17	7.	9 0.1	5 00	5 1	8 .	3,7	0.2			7.2.3
10-May-95		•		15.				90.6259					23			22 67		0.0			1.2	0.			2000
5 Jup 95		•		15.				75.1591		5		8	18 5		0 31		20 0.34				16	0.5			. حنو
4.5ul-95				16.	5 7.	9	7.6	75.7147	531.						36 17						78	0.			
7-Aug-95		: .		21.1		\$	7.8	81.8714					ıß.		72 2						2.1	0.0			1 16
11-Oct-95				18.		5			82		13				0 17		29 0.5				1.4	0.0			4
15-Nov-9!				20.		.3		84 502			3.1						.5 1.2				3.4 1.3		2 0.0		4.5
6-Dec-95				14.		.3		19917				6			53 2						48	. 0.			8 12
8-May-96				22		.5		843214			.3 5.1						7.7 1.0 22: 0.1				1.2	0.			**
4-Jun-96				24.		5		72.635				54 Na					58 0.9				78		0.0		
9-141-96				25. 23.		4	5.0 6.1	59.980 1 66 5 1				2					25. 0.8				3.3.	i			7 2
9-Aug-96				23.		.i.	4.5										04 0.5				29	· · · · · · · · · · · · · · · · · · ·			
4-Sep-96 10-Occ-96				15.		.8		28.347			2 3			00			39 1.8					003, 0.			
13-Nov-91			-	14.		.8		49.447									90 0.1				.02		0.0	3 5	2 1
4-Dec-96				18.		3		59.213									6.4 1.0				.78	0.			
1.000.90		-			• •	~.									2 12 2			7	all a		. 4				
nio				9	8 4	4	2.5	28.347	9 388	.i. i	.5 2	.4.	14	60	6 L	1.2 1	1.5 0.0	9 0.00	9, 00				DE D.		1.2 j
max				30.		. 7	12	121.3	1 124	9	SI I	.4					20 4.6								1)
ave				LB		7.7.		40.311	c 423.40	a' ia ia	24 7,7675	16 36 51	06 190 0	10. 60.20	01 16	43 08 75	84 1.0851	E n noe	16. 2 9012	25 1.72	667 0	003 0.277	47: N 118	18: SL	61 21

<sup>1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*3:</sup> Electric conductivity

\*4: Oxidizability (permanganate)

Topolnitza River (Station No 30060099)

Data	Q	T <sub>eff</sub>	Twe	Ph	DO	100mg	EC.	BODS	Oski <sup>ri</sup> (perman)	CODa	DS	SS	CI	504	NHTH	NOI-N	NOVN	PO4	HIS	Fe	Mn	Ca	þ
	(m3/s)	ζc) .	(°C)		(mg/L)	(%)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/i.)	(mg/L)	(mg/L)	{m1/L}	(mg/î.)	(mg/L)	(mg/1.)				(mg/l.)	(m)
46 87 46 87	0.5	6.0 5.5	8.8 60	7 6 6.9	10 6			3.6	142		188 1015	28 125	22	182	0 2.78		0.5 8.38			9.1 5.68	0.1		
1:1-87 nr-87	8.7	-2.0	0.0	6.2	13 1	90		17.2	13.7		58G	141	9	202	14		2.5			3 4.3	13		
(* a.) Ly 87 ^	0.7	19.6	7.0	7.0	10.1	90		0	12.6		1820 307	78 36	· ió	106	0.77		3.45			0.J 0 t 1		48	
87	8 2	24.0	15.0	7.5	9.			7.5	11.5		210	76	29	98	0		0.9			) 2	, 1		:
87 87	0.5	25.0	22.4	7.0	7.1			4.8	. 11-1	,	160 854	22 23	18	512	1.25		6.34			0.1	0.2	137	
-87	1.0	14.5		7.5	9.	95		2.7	7		644	63	26	368	0.2		0		9	0.5			
-87 -87	0.5	13.5	9.4 6.0		14.7	108 93		3.7	3.6		468 1056	164	37 19	170 445	0.4		6.75 0.14			0.16		47	
88	1.2	11.0	8.4	7.0	10.0	90		0	10.4		176	20			0		4		: . ?				: .
- 86 86	58.0	14.0	10.0	5.0 7.0	. 11.4			4	12.6		1102 180	103 20	62	159	3.25		6.11		,	2.61		140	
y-88	7.6	17.2	13.0	66	ii.e			2.8	43		202	106	5	130	. 0		4.22		: ···'	0.15		32	
1-88 g-88	0.9	25.0 27.6	21.5	7.0	· 7.5				12.6		194	14					10			21.0			
t-16	0.2	4/8:	27.2	10	9.6			13	10.8	<del> </del>	128	48	18	767	0.62		769		, ,	0.09	: :	191	٠.
ov 88	0.3	2.0	3.9	6.0	13.1			1.9	4.2		931	. 34	20	257	0		4.74			0 13		132	: .
ta 89 b-89	i	5.5	2.0 5.6	7.0 5.0	12.2	90 90		0 2.3	11.4		182 970	16 43	26	630	0		9.78		•	0 02 0.06	0.1	143	:
ay 69		186	13.6	6.7	10	89		6.2	1.5		728	6	11	61	· · · · · · · · · · · · · · · · · · ·		4.22	****		0.00		24	
1.89		26.5 19.0	23.0	7.0	7.5			. 0			192	30			0,1				ļ (	0.1	0.001		
g-89 (1-89		14.0	15.8	7.5	9.			3.7	12.6		440 212	80 30	11	235	0.1		3.63 20			0.15	0.02	48	
n:-90		5.0	1.0	7.0	12				12		218	30					15		i .	0.2			
b 90 izy 90	Y 1	3.8 13.5	6.0 12.2	6.0 7.4	12.	45 99		1.2			685 365	25 68	71	434 196	0.49		4.62 3.98		i	0.26		55 53	
1-90		33.0	25.0	7.0	7.	88			25.9		314	30			0.02	1	10			0.2			
ig-90 in 91.	·	24.8	20.6	7.0 7.0				6.9	5.9 12.6		182 284	32 28	19	487	0.34		\$.4B 20		1	0.19		116	
ar 91			7.1	7 2	10:		814	43.9	19.2		1043	105	27.5	36	2.46	0.06	5,4	0.1	1	0,01	0.75		
199J 191	. :	23.0	13.4	6,7 7.0	10			1.9	3.3		144	4		71	0.62		3.79			0.78		22	
ug 41		22.2	18.8	5.0				1.7			599	26 29		380	0		20 6.45			0.15	;	72	-
ct-91	1	17.0	10.5	7.0	10.1	89		l	15.0		248	38					20		ł 	0.8			
ov-91 m-92	ii	3.5. 3.0	5.0 2.0	6.0 7.0	10.1			1.92	3.5 14.2		424 254	33 30	12	379	0.65		3.13 20		ļi	0.1		99	
b-92	1 - 1 - 1	5.0	1.6	7.0	13	80		1.2	3.4		470	····· îi	17	303			3.75		† · · · · ·	0.77		****	
pr-92	į	17.0	8.0	7.0		87 102	/	1.8	23.7		298 478	30		- 27.	0.1		20			0.2			: ,
n-92	} <del>-</del>	11.0	13.2 16.0	6.8 8.0	11 9.		306	24.2	2.2 15.8		169	92 4892	12 7	294 70	0.3	0.05	5.74 0.7	- 6	j	0.II 2.6	03	. 69 54	
:92	1	30.0	25.0	7,0	7.	1 89			12.6		306	30			. 0		70			02			
ug-92 /ov-92	÷	24.5	21.6	7.0 5.0	9. 10.			4.9 10.9	10.4	<b>.</b>	496 784	27		307 492	0.29	، جيجت	4.36 2.9			0.02		60 71	
b-93	: <b>:</b>		2.4	8.0	13.5	107	707	4.8	1.7		493	9	14.6	186	0.1	0.03	1.88	0.15		1.4	0.38	102	
(ay-93	, <u></u>		14.9	7.7	1,		487		3,62		400		20.56	41.2	0	0.03	0.53 n.s	0.6	ļ	0.58	0.2	. ,	
ul-93	i i	;	25.0	7.4	7		400		61		320	12	10.4		0.2	0.02	0.6			0.4		:	:
ng 93	i		23.0	8.9			642		3,76		449	18	22.6B	35	0.15	0.01	0.64		ļ	į		· · · ·	
ca-93 )ct-93	·		16.3	B.I.	7.0		677 779		3.6		485 590	16	11.2		0.09	0.03	0,47 0,44			0.06	0.25	4.4	
y-93			9.8	7.4	9.	86	870		4.6		610	10	16.4		0.06	0.92	0.5	0.3			, ,,,,		
an-94	المتحرط		7.4	6.7 6.8	8.		629 907		3.7	!	452 473	8	21 19.5		0.9	0.03	0.84 0.4		<b>*</b>	.,	2.3		
eb 94			2.5	6.4	8.	69	783	504	311	504	520	26	18.6	62	1.4	0.04	0.6	0.9		0.39	1.83	102	•
1× 94			12.7	7.6	7		552 865		3.46		336	64		154	0.2	Ö	0.28	0.9		1		68.1	
pt 94 (ay 94		12.1	12.2	···- 7.5	6.		959		4.5		706 890	24 10	15.6	[60 70	0.23	0.61	0.32	1.5		0.4	0.8		•
un-94	,		24.1	9.5	7.	88	716		3.7		480	26	16	65	0	. 0	0.414	0.6		0.2	0.3	:	
ul-94 18-94	i		19.4	6.9	6.4 7.0		473 545		2.96		3 <b>8</b> 0	10	15.6 14.5		0.46	0	0.368	0.6		0.4	0.2		:
ср-94		a tarang	174	7.0	6.	16	1350		5.8		990	14	22.4	208	1.56	0.03	0.736	0.3		0.2	0.1		
Oct 94	,		10.6	6.9	9. 8.		1507 1568		3.3	ļ	1140 1383	16	30.8 32.5	962 548	0.31	0	0.276 9.483		ļ	J.2 0,45	2,84 3,5		
loc 44			2.6	60	9.	2, 67	1100		5.8		925	18	33.4	590	2.26 1.81	0.03	0.437		· · · ·	0.46	2.8		
an-95	ļ ļ		3.8	9.8			1310		3		995	12	33.5	816	1.71	0.01	0.483	0		0.48	1.9		
a-95			6.9	8.7	10	76 84	1262 508		4.8 5.4		1120 480	15 22	36.5 285	750 215	1.67 2.18	0.01	0.414			0.4	0.8		
pr-95			6.9	100	8.	74	251		5.1	23	205	48	22	65	1.87	0.02	0.414	Č	[	0.8	0.4		
ay-95 in-95	ļ. <b>.</b>		10.1	8.6	- 7.	7 12 6 70	265 170	<u></u>	4.6		195	02 10	11.2 6.4	45 8.2	0.07	0.01	0.345	. 0	} <sup>.</sup> .	0.9	0.29		
al-95			22.0,	9.2	5.1	63	163		1.1		152	10	8.2	32	0.62	0.03	0.092		·	0.23	0.14		
18.95	j 7		21.2	6.9 8.2	5.	60	570 460		2.1	·	538	16	15.6	102	0.54	0.07	0.437	0	i	0.06			
ca-95		7	16.L	7.9	6:		600		3.8		428 562	10 18	12.8 14.8	92.4	0.23	0.04		0.3	; · ·	0.05 0.18	0.12 0.1		
ov-95	! !		3.2	8.0	8.	70	742		2.4		680	24	LR.4	140	D 62	0.04	0.276	. 0	i	0.11	0.37		
an-96	100		20	8 2 8.1	8		923 609	ļ. <b>-</b>	2.5	· · · · · · ·	846 520	12	28.2 26.4	135 99.8	0.7	0.04	0.414	0		0.1	0.3		
an 76 ab 96	!		4.0	7.6			256		2.6		228	15	22.7	99.8	0.62	0.02		0	·	0.1	0.32	;	
far 96			2.3	7.5	11.		389		3.1		362			64.2	0.71	0.08	1.334	0	ļ	0.3	0.22		
Say 96 lug-96	A. 11.11.14	·i	14.3	8.0 8.3	6.	70	173.2		0.5		169 999	<u>. 10</u>	26.6 39.9	528 (80	0.54	0.07	1.058	0		. 0.2	0.15		
ср.96	1		17.2	7.0	5	8 64	1348		3.1		1320	21	48.6	190	0.31	0.03	1.196	. 0		9	0.1		
Oct 96 Nov 96	· · · · · · · · · · · · · · · · · · ·		12.5 11.0	7.1 8.2			1271		4.I 5.2	ļ i.	1124 756		42.6 46.8	280 99	0.56	0.03	0.759			0.12	0.2	1. 1.	٠.
lav-96 Dec -96			6.8	8.2 8.3					5.1 5.1		7,56			99 69	0.65 0.76	0.02	0.345 0.276	0		0.2 0.2			
	10000	ر برد در د		5.0		1		1														ور د د خرستو د	
uio.	51.0	-2.0 33.0 .	0,0 25.0	10.0	5.I	123.0	(63.0 1568.0	0.0 501.0	0.9 311.0	304.0	1820.0		5.0 285.0	962.0	0.0 3.3	0.0	0.0 25.0	0.0	0.0	0.0 5.7	0.0 3.5	22.0 191.0	
ex.																							

Topolnitza River (Station No 30060098)

	(m3/s)	(°C)	T		Ph	(mg/L)	DO,,		(mg/L)	(mg/L)		DS ;	SS (mg/L) .	Ci (mg/L)		(mt/r) Miith		(mg/L) ·	PO4.		(mg/L)	Mn (mg/L)	Cu (mg/L)	) in
un-87 -ch-87		10	9	0.2	6.4 6.8	9.	8	85 67	16	22.0		394	34	42	138	0.1 6.28	,	6.34		(aspt)		01		
ar-87		2.0	- t	1.0	6.3	12.	6	23	13.7	13.7		521	140	. 8	169	1.8		0.2			5.7	0.4		1
c-87 sy-87		8.0		20	6.5	10. 5		87 58	30	19.6		384 1238	34 362	24	309	0. <u>1</u> 2.82		3.68		9	0.1	· ij	242	
9-87 L 87		23.0 24.0	j9	0.0	7.3 6.2	7.		95 85	37.8	49.6 20.5		730 348	305 36	29	432	2.64	4	0.7		9	12.3 0.25	0.5		1
p-87		22.2	24		6.9	5	5	59	27	5.9		713	19	36	392	1.27		3 04			0.06		140	<u> </u>
p-8.7 t-87	<u> </u>	13.5			7.6	9. B		95 86	6.5			525 290	<u>88</u> ,	26	783	0.9		0.6		9	0.3	i	·	į
v 87	U III.)	80		8	7.0	8		70	28			771	59	39	421	3.48		. 3.17;			0.4	,	149	
x 47 n 68	1 1	3.5 102		5.0 7.8	6.5	10		93 87	4.5	18.9		300	46	28	344	2.8 0.1		0.2	··j	6	0.2		·· · ·	
5-88		3.0	2	M.	9.0	7.	3	51	28			774	143	32	31	1.67		9.17			0.53		170	
pr-88 lay-88	is a	17.4	11		6.5°	9.		88 43	34	14.8		308 574	215	18	193	0.49		1.56.	}		0.15		109	<del>.</del>
1.88	[ j	28.0 28.7	23 25	.0	6.0	7 0		88		15.8		306	42			0.1		15.			0.2			1
rg-88 ct-88	i 1	180	15		52 68	9		88	146	16.4		452 288	151 38	52	62	3.36		1.58			2.84 0.2		224	į
ov-88 m-89	1	2.0		.2 .5	6.0	7.		53 88	38	10.5		1033	183	206	3,	2.2		4.85			6.02	0.53	104	
b-89		4.5 9.0	9	0	7.3	12		50	66	15.8		280 644	73	34	428	0.1		4.43	- · · · · · · · · ·		0.2 1.99	0.2	144	Ė.
(pr-89 (py-89	:	14.0		).5   2	6.3 6.8	9.		78 62	15.5	54.3 11.5		302 275	32 240	27	207	0,4 1.89		4.55			0.5		148	1
1g.89		188	23	10	7.6	3	3	35	36	5.7		879	94	28	206	0		0.08			0		134	
ov-89	:	11.0 22.0		10	10.5	10.		87 66	25.8	174 43		822 789	192	96	389	0.2	-,,,	28 5.5i			0.1	0.01	160	) i
ал-90	11.11	9.0	6	0.	6.5	11	0	£8	1	20.5		212	68		1	0.2		25			0.3	·i		F
ð-90 pr-90		17.5	9	0	7.0 6.7	8.		55. 86	16	4.8 34.1	<del> </del>	930 676	158	. 36	611	5.21 0		3.08			0.17		90	\ 
lay 90	::: <u>:</u>	15.2	15	.0	80	9.	9	89	138	6.1		375	158	31	502	, ,		5.12	1		0.23		161	( <u> </u>
ul-90 ug-90	ļ	29.0 24.8	23		- 6.5 9.0	7. 9.		82 97	12	31.6		808	40 <sup>1</sup>	3ž	476	0.1 1.37		3.44			0.11	; <b>-</b>	164	٠٠٠ أي
ct-90 aq-91		21.0		1.5 1.0	7.0	8.		38 38		19.5		270	28					20			5.5		-,	-
ar-91		· · · · · · †		1.0	5.7	[3. 11.		88 00 68	9, 3.9	20.5		750	68,	20.1	59	0.7	0.02	20			0.2	2.3		i
ny-91 11-91	1	22.0 25.0	20	0.7	7.2 6.0	9		97 87	16	17.4		429 336	83 36	16	248	0.64 0.1		6.11			0.68	,	69	-
03-91	[]	26.0	23	1 2	7.0	1		83	20	153		271	5		113	0.3		20: 15.81			0.12		34	ļ
kt-91 ov 91	<u> </u>	220		3.0 5.4	6.5 8.0			87 74	18.02	19		350 910	36 11	70,	526	2.75		20 1.23			0.01 0.64		122	;
as-92	i i	8.0		20	6.5	12	1	87	10.02	17.1		268	34	'	3.00	0.1		20			0.3			ì
5-92 nr-92	<u>.</u> .	18.0		2.6	7.2	10		73 86		23.5	ļļ	685 288	34	28	410	2.78		2.97			3.56 0.3		174	
lay 92		110	12	ξo'	6.0	10	9	93	35.2	5		198	217	20	284	0		2.35			0.14		toi	<del> </del>
01-92 02-92	i	30.0		5.0 5.0	8.0	3		87 13	21	15.		264 431	34	28	148	G.I		20 8.29			0.2		45	J
kt-92		19.0	12	5.0	6.5	. 8	<b>1</b>	87		37.		266	36			0.3		20			0.2			Ţ-"
lov 92 Feb-93				1.0] 2.9]	9.3	,9 13		79 96	17.6	10.		251 1036	152	29	461	4.59 0.55	0.15	30 15 10	0.3		2.42	0.3	75	<u>.</u>
4 <del>11 9</del> 3				9.0	8.5		3	114		10		72E	22,	20.8	66.6	2.52	0.11	3.05			0.8	0.28		T.
4x-93 lay-93				6.5 9.8	8.0		.!! .6	79 85 72 53		9.4 5.3		698 425	69, 50.	28.36	40.1	1.05	0.12	1.09	1.2		3.8 0.7	0,42 0.24		
nn-93	!			0	7.8	. 7	3	80 58		8		508	36	25.6		0.8	0.06	1.2	1.5		0.56			1-
lul-93 lug-93		****		4 0 6 9	7.2 8.6		8	60 108 113		10: 5.4		917	- 18 24	41.12	j 50	0.8	0.06	1.35	0		0.8		·	ļ
Scp-93 Oct-93				8.4 2.0	11		2	92 71 67 80		3.6		570 5981	18 <sub>1</sub>	27.3 25.5		4.02 4.38	0.34	1.13						1
lov-93			19	4.1	8.6		8	70 110	1	6	2	\$10;	18	42.4		0.4	0.00	0.66	0.3		0.2	8,49		10
Doc 43 Jan 94	j			6.7 9 0	8.4		4 1	65 51 71 104		15.		407 869	25	24.5 25.5		4.4	0.06	0.96	- 1			1.9		
Feb:94	1			3.8	8.3	1	.6	61 103	4	15.	46	890	16	22.4	120	13	0.1	0.5	1.5		1.16	0.29	205	Ŀ
₩# <del>-94</del> ₩-94	1	11.0		4.1 2.6	8.5 7.7		6 5	67 71		8. 7.		658	132 18	20.2 19.6	292 200	2.41	0.05	0.62	0.9				140	) 
4ey-94	1		1	9.4	7.2	3	.0	58 95	0.		9	820	43	24.5	220	1.79	0.1	0,75	0.9		0.15	0		1
lun 94 Jol 94	ļii			9.9 1.3	9.2		.7 1	81 119 80 121		- 8		920	42	28.3 24.5	240 265	9.7	0.02	0.506	0.5		0.1	0.1	·	-
eg 94	] !		20	0.6	7.1	6	6	77, 121	2	2	8	985	20	29.3	270	0.66	0	0.575	0.5		1.3	0.3		1
Sep-94 Oct-94	1		1	9.5 1.1	7.1 7.6	7	9	51] 84 76, 117	0	7.		720 920	12 46	6.2 24.6	296 840	4.13 0.93	0.12	0.552	0.6		0.8	0.92	<del> </del>	1::
av 44			í	3.5	7.8	7	.6	81	7	13.	1 4				140	0.73	0.23	2.15	2.1		0.27	0.31		Ĺ
Yov 94 Dec 94	1			0.9 4.9	8.5 8.6	B		58 134 67 110	iO <sup>1</sup>	9	2	11 <b>8</b> 5 975	23 25	35 32	998 630	0.54 0.39	0.22	0.345 9.207	0.6		0.7	0.34 0.27		1
an-95 ds-95				5.4 5.7	11.7		0	69, 14		7		945	l B	36.5	710	0.39	0.02	0.276	0		0.49	0.19		1.
lar-95			10	0.3	9.1 9.2	8	0	69, 141 76 10	2	5 4	5	1250 940	35	- 34 - 34	690 520	0.7	0.01	0.276	0.3		0.5	0.2		· · · ·
lpr-95 lay-95	ļ .	i,		8.2 7.0	11.4 8.8		8	70 101 68 84		7		920 750	65 65	35.5	540 190	1.09 6.93	0.02	0.345	0.6 0.3		0.3	0.09		
un-95			1	79	8.6	5	Ĵ.	64 2	e .	3.	3	252	8	12.4	10.4	0.15	0.12	0.138	0.3	} 	1.14	0	rian — . — . Hansara	i-
lej-95 ug-95		L		7.2 3.5	8.0 8.6		3	50 4 53 4	6	4.		3 <b>8</b> 0 432	14 24		94 62	0.62 0.21	0.03				0.36	0.2		1
жр-95			. 1	6 2	8.1	. 5	.0,	53 \$1	н	18.	2 66.8	122	18	198		0.92	0.03	0.216			0.13	0.14		j.
kt-95	<u> </u>			2.6 3.9	8.0 8.0		2		10 16	9		486 486	18 12	15.5 16.0		0.46	0.06	0.379	D		0.17	0.12		1
Dec 45				2.6	8.1	8	2	61, 8	27.	5	6	738	36	24.4	86	0.62	0.05	0.22	Õ		0.1	0.2		1
an-96 Feb-96	·			5.1	9.5 8.8		3	66 7 64 8	10 51	3	3  	648 808	22 38				0.04		0		0.24	0.2t		ļ-
Aur 96		!		2.7	8.9	1 10	4,	\$1 9	9.	3	9	#96	36	41.4	170	0.92	0.21	2 173	0		0.25	0.1	1	L
May 96 Aug 96	4 4	<u>.</u>		6.3 5.6	7.7		.21		10 20	- 5	2 4	660 979	29 18	46.5 36.4		0.62 0.15	0.12	1.172	6		0.1	<u>-</u>		F
ep-96		· - :	1	69	6.4		7	62 6	17	5	4	630	48	30.1	66.4	0.7	0.01	1.472			1 3	0	 	ţ-:
Oct-96 Nov-96				3.5 3.6	9.6		6		95	12		864 715	22 66	16.4	70.8 140		0.04				0.1			ļ
Dec -96		[		5.2	8.5		ii;		38	11		760		18.4					Ö		0.2			-[
min .	0.0	2.0 33.5	. 1	i.ö 🗀	2.9	 13	2 7 1	3.0 265		0, I. 0 54	4 4.2	198.0	8.G	6.2	3.0	0.0	0.0	0.0	0.0	<u>o</u> ,	0.0	0.0	34.0	ō;
				8.9	" it.7			<b>8</b> .0. 1433			3 66.8	1250.0												

<sup>\*1:</sup> Dissolved Oxygen

 <sup>2:</sup> Oxygen sturation in water
 3: Electric conductivity

 <sup>\*3:</sup> Electric conductivity
 \*4: Oxidizability (permanganate)

Topolnitza River (Station No 30060388)

Data	. Q	Tpt		T.,	Ph	004	DO,41	ECT	BODS	Oxid	CODa	DS	SS	ÇI	504	NII4N	NO2-N	NO3-N	104	HIS	Fe	MR	Ca	M
	(m3/s)	CC		(C)		(mg/L)	(%)		(mg/L)	(perman) (me/L)	(mg/L)	(mg/L)	(mg/L)	(mad )	(mwL)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mp/L)	(mg/L)	
4-Apr-93	-,		-	13.5	8 4			538	3.8	6.72	1000	182	35		86.8		0.06	0.52	1.2		1.68	0 38	(LLE C)	140.5
6-May-93	1	•	1,11	13.6	50			431	. *.~,	3.62		338	45	25.52	40		0.03	0.5			0.45	0 45		
14 Jun 93				15.5	7.7			446		4.2		440	22	24.4		6.2	0.03	1.2	0.3		0.4	0 43		
3-Jul-93		: .		25.0	7.4			450		62		480	18	16.6		1.2	0.04	1.2			0.4			
5-Aug-93		· · · .		19.3	1.7	6.7	18	714		3.44		492	16	26.94		0.18	0.03	1.2	٠. "					
1-Sco-93		:		15.4	7.6			776		2.72	·	563	10	21.9	*3	0.12	0.03	0.82	;					
9 Oct 93	1 1			187	8.8			676		2.7		498	10	20.6		0.12	0.02	0.27			4.2			
-Nov-93				8.0	7.3			645		2.8		460	- 10.	22.4		0.32					0.1	0 28		
6 Dec 93	1	**		4.5	7.6			667	•	36		462		21.3		0.54	0.1	0.73						
8-Jan-94				7.2	7.8		91	649		3.0		469		20 2		0.34								
8 Fco 94		į	- ' -	1.6	7.4			694	e eye e i	4.3		480		20.5			0.01	0.9				1.7		
7 Mar 94			).i	135	83			581			18		10 60	17.1	58		0.04	D.3	1.2		0.48	0.3	. 37	
								781 486		3.7		418					0.02	0.6	0.9		·		83.2	
-Apr-94			i.O <sub>;</sub>	11.6	8.1					- 24		380	26	15.8	88		. 0	0.41	0.9					
May 94				17.0	7.5			484			:	320	20	18	. 55		0.02	0.62	0.9		0.4	0.22		
9-Jun-94		100		23.2	8 2		71,	730		3.3		490	24	. 18	60		0	0.145	0.6		0.15	. 01		
2-Jul-94	44			22.0	8.2			780			*	540	. 15	17.3	68		0	0.322	0.6		0.5	0.3		
Aug-94	2		.,	21.0	7.4			799		3.4		595	10	15.6	78		. 0	0.322	0.4		0.3	0.2		
-Sep-94				17.9	7.6		64	1247		. 6.2		892	. 30	26.6	198		0.01	0.414			0.1	0		
-0:1-94		1		14.8	1,1			686		3.8	i	546	24	18.4	62		0	0.276			1.7	1.2		
Nov-94	4			3.2	8.3		74	874		3.2		620	18	20.8	180		0	0.598	0		0.26	0.39		
Dec 94				36	8 2	7.2	52	850		3.7		640		21.3	160		0.01		. 0		. <u>t</u>	0.48		
-Jan-95				3.5	9.1	9.3	74	790		4.5		590	10	19.5	158	1.09	0	0.552	. 0		0.41	0.31		
Feb-95	3		. : .	4.7	_ B 6	9.5	78	744		3.6		643	16	18.5	310	1.17	0.01	0.345	0		0.4	0.2		
Mar-95	1	i		10.4	8,4	8.7	92	504		3.6		405	J B	15	9.5	0.93	0.01	0.322	0		0.5	62		
Apr-95	.1			8.3	9.0			320		4.2	16	256	46	16	. 32	0.7	0.02	0.276	0		0.6	0.3		
May-95				12.3	8.5	7.7	75	335		6.4		270	18	22.4	40.6	0.7	0.02	0.299	, D	•	0.68	0.19		
Jun-95			,	17.7	6.8	6.3	71	231		25.3		220	18	6.8	8.4	0.15	0.06	0.138	. 0		0.5	0		• •
Jul 95		7		19.2	8.1	5.8	64	225		2.4		198	14	8.4	18.4	0.93	0.03	0.115			0.24	0 12		••
Aug-95	("		,	22.3	82	5.1	58	504	i	8 2		480	18	22.8	50.4	0.07	0.04	0.828			0.06	0.05		
Sep-95		,		15.B	1.8	6.2	68	726		106	44.4	684	12	19.8		0.12	0.05	0.782			0.13	0.09		•
Oct-95				12.8	8.t	6.6	63	703		7.6		688	16	19.8	62.4	0.46	0.07	0.105	. 0		0.12	0.09	• • •	• •
Nov-95	7	· · · · · · · · · · · · · · · · · · ·	-1	3.9	7.6	8.8	71	660		6.9		572	22	23.6	65	0.7	6.06	0.195	0		0.17	0.29		
Dec-95				2.4	8.4	9.3	68	589		5.7		508	16	22.8	58.2	0.62	0.05	0.276			0.1	0.22		-
Jan-96	1 1 1			4 2	8.1	9.1		547		4.4		463		22.3	80.8		6.02	0.299			0.16	0.21		-
Feb-96	*		* 4 *		7.9		75	473	:	2.8		424		31.2	98		0.09	1.757			0.16	0.16		-
Mar 96	1			2.6	8,0			482		2.9		478	18	34.8	82		0.1	1,748	ň		0.18	0.14		
May-96		· · · · ·	• • • • • •	16.1	7.6			309		3.6		504	32	28.4	58.4		0.18	1.794			0.1	0.6		
Aug 96	·	t		26.1	8.1			896		4.8		BRE		37.4	99		0.11	1.265	, ,		0,	, v	-	• •
Sep 96		T	· , †	17.2	7.6			640		9.8		620		30.2	72		0.01	1.564			· ~	٠. ٠		
Oct-96	· • - · · · ·	·		13.0	8.2			748	· ÷	7.8		716		26.6			0.03	0.506			0.1	0	-	
Nov 96		÷		10.4	8.4			613	·	4.9		590		28,8	96		0.03	0.368				0.39		
- Dec-96		.s		6.5	7.4		66	795	. :. <u></u>			280							<u>V</u>		0.2			
Dec. 30	No. 1 444							499		2.4	,/		, 18.	25.6	i io	0.62	0.01	0 276			0.1	0.15	-	
-in	0.0	i io	40	1.6	6.8	5.1	32.Ô	225.0	3.8	2.6	16.0	198.0	8.0										*****	+ -
min	0.0			26.1			99.0	1247.0	3.8			692.0		6.8	8.4		0.0	0.1	0.0			0.0	37.0	
max					9.1		73.4			25.3	44.4		66.0	37.4	198.0		62	1.8	1.2			13	83.2	
21°C	101V/05	LO		12.7	8.0	7.6	73,4	607.9	3.8	5.2	26.1	499.5	22.1	21.8	79.6	0.5	0.0	0.7	0.2	#D!V/0!	0.4	0.3	KΩt	

Topolnitza River (Station No 30060100)

13	10	13	7 7 7 7 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8
16 5 3 5 8 74 121 91 11 124 130 69 16 117 158 447 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	C	16 5 5	
3	C	3	8 28 25 5 21 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
14	Compt   Comp	12	170 170 120 120 120 120 120 120 120 12
121	Compain   Comp	13    9    11	7.7 7.4 7.2 81 7.6 7.0 7.8 7.0 7.5 8.1 7.5 7.0 7.6 7.7 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0 7.0
91	ST	91	9.6 9.8 9.2 10.7 11.8 11.2 11.5 11.1 12.1 11.1 12.1 12.1 12.1 12.1 12.1 13.6 12.1 12.1 13.6 13.
1	(mpl)   (mpl	11	99 100 100 99 10
31         24         310         65         16         117         158         447         0         <	31         24         310         69         16         117         158         447         0         03         04           31         244         330         27         4         59         01         022         022         022         022         022         022         022         022         03         027         182         41         11         87         068         152         0         02         022         022         022         082         08         08         13         0 <td>  1</td> <td>468</td>	1	468
24         310         69         16         117         158         447         4         59         24         300         27         4         59         2.1         0         24         300         27         1         4         59         2.1         0         0         12         0         0         12         0         0         12         0         0         1         2         0         0         1         2         0         1         2         0         0         1         4         2         1         0 <td< td=""><td>14         310         69         16         117         158         4.7         103         0.8         0.4         2.4         320         27         4         5.9         0.1         0.2         2.2         182         4.1         18         5.7         6.8         1.52         0.02         0.2         1.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.0</td><td>14         310         69         16         117         158         447         10         08         0.4         24         330         27         4         5.9         0.1         0.23         29         22         112         152         41         11         87         068         1.52         0.02         29         117         42         462         51         9         86         0         1.2         0         1.7         42         462         51         66         0         1.2         0         1.7         0&lt;</td><td>99 144 92 21 35 24 41 22 27 35 44 41 22 27 35 44 41 23 44 41 66 41 66 67 67 68 67 68 67 68 68 67 68 68 68 68 68 68 68 68 68 68 68 68 68</td></td<>	14         310         69         16         117         158         4.7         103         0.8         0.4         2.4         320         27         4         5.9         0.1         0.2         2.2         182         4.1         18         5.7         6.8         1.52         0.02         0.2         1.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.2         0.1         0.0	14         310         69         16         117         158         447         10         08         0.4         24         330         27         4         5.9         0.1         0.23         29         22         112         152         41         11         87         068         1.52         0.02         29         117         42         462         51         9         86         0         1.2         0         1.7         42         462         51         66         0         1.2         0         1.7         0<	99 144 92 21 35 24 41 22 27 35 44 41 22 27 35 44 41 23 44 41 66 41 66 67 67 68 67 68 67 68 68 67 68 68 68 68 68 68 68 68 68 68 68 68 68
310   65   16   17   158   47   0   140   150   151	130	1310   69   16   117   158   447   103   048	1.12 1.02 1.42 1.02 1.48
69         16         11         158         447         10         0           78         5         258         08         2.1         0         0           27         4         5.9         0         0         0         0         0           34         19         86         0         1.2         0	69         16         117         158         447         103           78         5         258         08         2.1         0         0x         0.4           27         4         5.9         0         0.1         0.23         41         11         87         0.68         1.152         0.62         54         11         86         0         1.2         0         1.7         51         0.1         0.05         1.3         0.01         0.33         4         2.6         314         0.25         6.42         0.08         0.0         0	659         16         117         155         447         10         10         78         5         258         08         2.1         0         0.8         0.4         27         0.1         023         29         0.1         023         29         0.1         023         29         0.1         023         54         118         85         0         1.2         0         1.7         0.0         0.0         0	240 462 501 511 514 542 466 515 515 127 221 231 600 600 501 408 448 448 448 448 448 498 499 499 499 49
16	16	16	54, 4 55, 4 51, 4 51, 4 51, 4 51, 5 52, 2 52, 5 53, 5 53, 5 53, 5 54, 5 55, 5 56, 5 57, 5 58, 5 59, 5 50, 5 50
137   158   147   158   147   158   147   158   147   158   147   158   147   158   147   158   147   158	17   158	137   158	19 26 26 27 29 20 31 31 22 31 31 31 31 31 31 31 31 31 31 31 31 31
158	158 447 103   08 2.1   08 0.1   08 0.4   4 5.9   0.1 0.23   068 1.52   062   068 1.52   062   07   08   13   01   03   025   04   08   01   00   0   0   0   0   0   0   0	158	85 314 251 274 176 113 109 332 133 186 186 251 113 122 218 221 217 113 126 217 113 113 113 113 113 113 113 113 113 1
447 447 11 59 159 152 0 17 17 0 18 642 0 0 18 642 0 0 19 155 0 0 10 10 10 10 10 10 10 10 10 10 10 10	447	447 0 103	0 005 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
447 1.1 0 59 1.6 1.7 1.7 1.7 1.8 1.8 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9 1.9	447	447	0.06
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 103 0 0 8 0.4 0 1 0 23 0 0 8 0.4 0 1 0 23 0 107 0 1 0 33 0 0 108 0 0 1 0 1 0 0 1 0 1 0 0 1 0 1 0 0 1 0 1	103	12 642 0 114 125 125 125 125 125 125 125 125 125 125
	0 0x 0.4 0.1 0.23 0 1.7 0.1 0.23 0 1.7 0.1 0.33 0 0.8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	101 0 0.8 0.4 0.1 0.23 0 1.7 0.1 0.23 0 0.1 0.1 0.3 0 0.2 0 0 0 0 92 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
	01 023 02 04 01 023 02 04 01 023 02 023 02 03 023 03 03 03 03 03 03 03 03 03 03 03 03 03 0	33	
		29 92 33 98 30 100 38 82 57 70 27 23 67 68 13 99 327 1116 99	0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Topolnitza River (Station No 30060259)

Date	Q	T.	Τ,,,	Pa	DO*	DO,41	EC'S	BOD5	Oxid	CODer	DS	ŚŚ	CI	\$04	NH4N	NO2-N	NO3-N	PO4	H2S	Fe	Min	Cu	Mg
	(m3/s)	(°C)	(C)		(mg/L)	(%)		(me/L)	(permus) (ntg/L)	(m <sub>2</sub> /L)	· (	(mg/l.)	(ರಾಜ್ರL) -	/m=5.	(mg/L)	(m = 5 )	(m)41	60-41	(.l\gm)	( / \	(mg/L)	(mad )	(mo1)
6-Sep-89	(11,01)	(0)	190	8.1	87	96	****	2.4	48	(myr.)	(10% C)	39	(mpr.)	(myc.)	(mgc)cs	(118.5)	0.5	(ILEL)	(mg)	02	(mg/L)	(ing L)	4112
28 Feb 90			8.4			97		4.3	5.7		416	23	45	157	~	0.03	2.6	•			Ò		
4-Dec-90		•	7.0		103	85	583	26	6.5		509	48	79	265		0.05	1.2	0.02					
J-Dec-91		•	7.2	7.1	12.1	99	627	23	25		417	27	24	291		0.02	5.1	0		o'			
10 Mar 92			9.0		11.1	96	195	3.3	3.6		416	30	27	185		0.03	0			0	D		
9-540-92			220			99	662	1.7	5.6		131	63	14	219			0.5	. 0			0.5	50	30
3-Doc-92			4.0		13.0	99	543	. 11	3.7	22		30	28	123			2.3	0 2		0 2	0	92	28
9-Feb-93 9-Mu-93			. 6.2		13.5	113 114	505 573	3.9	1.6		. 366 441	. 42	21.9 20.9	45 213			1.52 2.54	0.07		0	0.1	59.9 90.6	15.8 14.3
16 Mar 43	-		1.0		10.7	75	. ,,,	7.9	9.28		382	84	28.4	5		10.0	078	0.17		0.6	n:1	88.2	21.9
13 Apr 93			19.3	8.3	10.1	110	512	6.8	9.73		358	36	20.2	75		0.02	234	0.2		0.4		75 2	13.2
11-May-93		•	188		9.3	103	801	4.4	3.53		617	13	9	292		0.03	0.46	0.21		-		125	27
8-Jun-93			28.0	7.9	9.8	135	601	4.9	5.2		437		20	200	0.1	0.07	0.2	0.65				893	10
12-341-93			18.4	7.6	B.3	39	368	1.5	2.4		236	5	9.6	93	0.06	0.01						50.1	15.2
17-Aug 93			22.9			93	360	5.5	2.5		235		11.1	. 68		0.02	0.2	0.1			0.3	, 12	53
14-Sep-93			190			102	426	3.3	1.2		239	18.	16	94		0.01	6.3	0.02			0.03	52	16
5-Oct-91			17.7				493 587	1.5					13.7	594		0 25	0.37	0 21				58 6	24.3
9-Nov-93 7-Dec-93			13.9				. 287 547	2.1	2.77		373 393	10	53 26	127		0.03	0.66					81 <sub>.</sub> 75	15.6 21
11 Jan 94			7.1				585	3.4	2		510		30.9	217			0.93	0.07			0.03	73	18
8 Feb 94	*		7.0				545	4.5	4.8		345		31	95.8			0.74	0.08		o o	0.03	62	18
15 Mm 94	•••		14.7			127	507	2.5	3.8		273		23.1	86	0.19		0.36	0		0	0	67.4	40.9
12-Apr-94	-,		15.4	7.9	11.7	113	561	3.5	0.97		347		25	104	0.44	0.02	0.74	-				84.1	28 6
10-May 94			18.8			104		2.5	2.6		315		17	76			0.96			0.5		1.03	33.5
22-Jun-94			22.6				392	. 5	9.5		282		14.8	69			033	0.07		0.2		58.5	35.6
19-3ui-94			21.8				369	2.9	2.4		280	. 9	144	78						0		54.2	12.6
9-Aug 94	~		23.0				395	1.7	2.1		281 232	🧍	2.5				0.19	8.06		0.4	0	61 47	13
1-Sep-94 11-Oct-94			15.9				322 475	8.6			274	49	13	74			0.15	12.00		O BR		57.7	19.9
8-Nov-94	• • •	4	8.7				410	2.1			331		19				0.65	ň		5	Ö	52	23
6 Dec 94		· · · ·	6.2				521	· · ^;	1.5		434		28	122			1.5	.0		ŏ	ŏ	49	30
17-Jan-95	0.00	100	1.6				350	2.9	2.7		374			145			0.7	0		0	0	66.9	20.3
7-Mar 95		T	13.8	8.3	12.1	122	486	1.6	3.3		366	0	. 29	67	0.17	0.01	0.47	0		0	0	56	14
11-Apr 95	` ·	1	10.5				449	2.7	3.5		309		29.7					0		0		57.3	17
9 May 95	5		18.5			103	390	1.84	2.6		294		20				0.7	0		0	_	53.4	163
6-Jan-95			21.7				461	0.4	0.4		338		15.2					0		0	. 0	65	13 2
11-Jul-95 15-Aug-95			215			30	402 342	1.17			306 236		. 10.1 21	. 123 78				0.1		0	. 0	55.6 48.6	13.1
12-Sep-95			21.0				3,4	1.2	2.1		233		12					0.1		0	· ň	50.7	17,8
10-Oct-95		• • •	16.0				423	1.5	1.6		96		0.6					ŏ		Š	ů	54.6	29.8
7-Nov-95			5.5				434	1.59	1.6		250		16.8	76.5				0		์ จ์		56.9	15.4
19-Do: 95		:	4.5			100	553	2.8			446		31.2	95.5	0.3	0.02		0.27		0	Ω	89	17.2
16 Jan 96			1.5		15.1	117	480		3.6	Ç.,	424	o								0.36		71.7	19.5
13 Feb 96			3.5					3.32			336		13.9					0.08		0.12		69.3	13.1
12-Mar 96			2.1				485	0.54	2		350		24.8					0.06		0		64	22
9 Apr 96	.:	.;	6.0				397	4.12 0.23			213 132		11.9	110				0.062		0.36 0	0.08	59.9	13.3 27.9
14-May-96 11-Jun-96	1		17.9 20.8				429 398	2.6			302		4.8					0.082				.59.3	4.3
2-Jul-96	200	40.00	21.1				415	0.17	2.1	4	300		14.1	10				0.14		Ů	. 0.03	1.3	0 15
13-Avg-96			20.1				316			r .	196		9.8	46.7				0.1		ő	` ő	51.2	
10-Sep-96		1000	16.				396		1.5		325		11.6					0	í	ò	0	50.1	17
8 Oct 96			15.4	7.7	8.5		513	1.1	2.5		416		21.9	101	LIT		0.01	0.14		0.07	. 0	92	20
12-Nov-96	1 11		9.1				477	8.17			276		24						į.	0	. 0	69	18
10-Dec-96	2		7.5	8.2	11.9	100	548	1.6	2.2		443	. 0	32.8	134	0.3	0.01	1.8	0.006		Ó	, , 0	91.4	. 21
			5			··· ·aé o												0.0			0.0		
min	.1	į	1.0 24.0		18.4	75.0 189.0	195.0 601.0	0.2 8.6					0.6 53.0					0.0		0.0		1.3 125.0	0.7 53.0
DAX.	4		13.5	7.9		104.8	470.6	3.0				180	19.9						*DIV/0	0.8	0.0	62.9	19.7
216			13.3	1.7	. 21.0	(U-7,8	410.0	3.0	3.0		. 231.1		17.7		, 0.3	3.0	0.7	3.1	- 64 + 79;	V.E	0.0	VA.7	47.1

<sup>1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in war

<sup>\*3:</sup> Electric conductority \*4: Oxidizability (normanyanate)

Chepinska River (Station No 30060106)

Date	Q	T.i.	Tw	Ph	no <sup>r</sup> t	00.,	EC <sup>-3</sup> BOD5	Oxid <sup>e</sup> (perman)	COD,,	DS	SS	Ci	SO4	NH¢N	NO2-N	NO3-N	P04	H18	Fr	Mn	C.	М
Jsa 87	(m3/s)	(*C) 5.0	(°C)	7.4	(mg/L) 9.3	(%) 70	(mg/L)	(mg/L) 14 2	(m.y/L)	(mg/L) 249	(ing/L) 85	(mg/L)	(mg/L)	(mg/L) 2	(mg/L)	(mg/L) 6.7	(mg/L)	(mg/L)	(a)g/L) 0.25	(mg/L)	(ng/L)	(mg
Feb 87 Mar 87	1.5	2.0 7.0	3.5 7.0		12.7	91	5 2 6 1			224 162	29 56	19 10	42 34			\$.58 J.4			1.68			
Apr 87 May 87	. 15.1 7.8	5.0 14.2	6.5 13.8	7.4	30.7	. 87	11.1 3.4	7.3		164 188	413 139	10	42	2		6.72		1 . 1	0.43		27	;
Jun-87 Jul-87	3.9	15.0 21.0	14.8 19.5	7.8	8,7	86	4.7			210	63	19	28			0.6		0	0.3	0.8		
Aug 87 Aug 87	4.6 3.7	32.0 16.0	18.3		9.8	97	6.6 6.5	4.3	•	216 131	88 54	8	21	0.28		2.28		1	0.11		27	
Sep 87	22	130	14.5	7.8	10.1	100	3.4	3.8		210	17	18,	25	0.8		B		"	0.6			
Nov-87 Dec-87	2.5 2.1	120	5.2 9.0			96	3.5 4.9	1.1		177	44	14 20	105 37	0.5		7.11. [1.7		0		0	38	
Jan 88 Feb 88	2.5	8.5 4.6	5.5 2.8	7.8 7.0	13.7		46			230		18	23	0.1 J.62		9.28			0.25		34	
Mar 88 Mar 88	92	15.0	6 D 7.0	7.9 7.5			6.8 2.4			141	77 31	. 1		3.6 0.3		0.4 2.1			0.86			
May 88 Jan 88	3.3	21.5	17.0	7.4 8.2			10.3	2.9		214 257	18	12	33	0.23		1.1 0.4	3		0.08			• • •
Jul 88 Aug 88	4.1 6.0	24.G 18.8	21.0		88		3.2 7.8	J0.4 1.7		214 198	28 6			0.2 0.29		1.94		7	0.3		28	,
Sep 88 Oct 88	3.J 1.9	165	18.8	7.6	9.0	97	7.2	12.3		261 198	70			0.4		0.4	7	+	0.9	0.6		; ·
Nov-88 Dec-88	2.5	3.8	3.2		13.1	94	5.5	6.5	; - · · ·	224		21	12	0.57		4.43	: 	j	0.03	1	25	1
120-89	3.6.	4.0	2.0	7.8	13.8	100	8.8 0.72	5.1		270 200	21	ئا۔ ، در راست	······································	08		0.3		i	0.8 0.5	1	 رياست	1.2
Feb 89 Ma: 89		6.5	1.4 40	7.5	12.4	95	6.4 5.8	8.6		195 166	5 68	23	67	0.7		0.91 1.6		ļ	0.26 0.5	0.5		1
May 89 Jul 89	40	16.2 25.0	10 8 20 0	7.8	9.6	100	9.1 5.5	8.8		194 227	26 21	16	498	0.29 0.05		1.79	,	· i · · · · · · ·	0.25		30	
Aug 69 Sep-89	:	285	21.4 15.0	7.5 8.1	9.7		8.3 5.4			241 196	42	27	23	0	0.1	0.95 1.6		5,	07		31	
Oct-29 Nov-89		18.0 4.8	16.0 3.4				2,8 4.1	y		264 128	54.8 24	LB	46	0.01 0.41		9.3 1.69		1	0.3		33	
lan 90 Feb 90	<i>;</i>	5.2	1.0 3.4		13.2	93	8.1	4.3		152 228	26	17	51	B	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7.06			0.3 0.17		29	: :
Feb 90 Apr-90	, 	17.0	7.6	8.0	11.7	96				166 178	42 18	19	19					6	0.3			
May 90 Jul-90		17.8 32.0	13 8 21 G	8.2	12.1	112			,	207 300	46 25	17	43			3.33		1	0.1		33	i
Aug 90		31.0	20,4	7.5	11.4	118	9.1	6.1		251	61	31	35	0.38		5.7		1	0.28	Ĺ	35	: :
Mar 91 May 91		25.0	1.0 14.4	65	96	72	243 102 29	13.1		L89 L57	67 48	21 <sub>1</sub>	165 7	0.21		3.37		<u>.</u>	0.7	(500.00)		ĹĹ
19a-91 Aug-91		20.0	13.5 17.6	7.2	8 8	87	230 10.88	1.	<u> </u>	176	275	17.1	24.1 26	0		2.9 3.25			0.34	i:	19	[
Sep-91 Oct 91		20.0	12.5 F5.0	7.8	10.0		267 2.00	3.0	i	202 263	24 6	16.8		0.2	0.06	1.6		5)	0.76 0.46			<u>-</u>
Nov-91 Dec 91		13.0	- 5.4 5.0				287 4.4			242 250	62 19	19 21	39 23		0.04	2.05 2.4		1	0.09		33	r
Jan 92 Feb 92		7.0 6.8	3.5				3.6	5 4.		18t	5	25	28			12 2 99			0.2		33	
Mar 92 Apr 92		17.0	10	8 1			143 3.2 2.4			203 220	27. 24	17	29		0.05			1	0.4 0.27			
May 92 Jun-92		15.0	11.8	6.9	9 9 9	83	300 7	4.1		192 173	9 52	17	35 27	0.16		1.9		1	0.19		29 36	
Jul 92	1	28.0	21.0	8.0	9.7	2 100		5 5	,	219 225	- 5i 3i	12	49	0.05	·	2.68	,		0.42	ii	26	i
Aug 92 Sep 92	l;	24.0	18.0	7.3	9.	97	231 ) 1	1. 7.2		120	53	16		0	0.06	1.8	0.	3	0.8	0	38	
Oct 92 Nov 92	11.72	13.5 11.0	10.0	7.3	3, 12.	100	3.1 3.1	3 31		210 236	19 53	13	55			1.34		. الشال	0.27	,	17	
Dec 92 Feb 91			6.5 0.4	8.1	3 13.6	98	368 8. 366 7.	2 3.0		155 237	69 18	20 24	ŝū	1.7	0.5		į, į	6	0.6	Ů.	46 44.6	
Mar 93 Apr 93		;	2.3 9.4	8.1	10.6	98	372 6. 297 5.			214 (4)	75. 53.	16.8 10.4	346		0.07	9.51	0.		0.65		41 42.1	
Mey-93 Jun-93		ومنتوات	13.5	8. 7.			321, 6.3 314 5.0			232		17.5 11	\$1.8 29			0.44 8.31					37.5	
-Jul 93 Aug 93			18.8	8. 8.			304 2. 222 4.	—		167 183	2 1	8.3 9.1	22.9 5.3			0.92 0.48			0.12	0.07	35.8 26	
Sep 93 Oct 93			12.2				320 3.1 345 [.1	8 1.		270 202		10.2 19.5	24 3.4	}	0.01	0.87	0 1.3		0.28		40 8 35	
Nov 93 Dec 93			4.0 3.6	75	9.	1 73	351. 2. 358 6.	7. 3.	5	244 259		11.1 16.6	28.4 55.1		0.11	0.90	0.0	6			43.3 42.4	Ę
Jan 94 Feb 94			3,0	8.6	0 14.	8, 113	388 10.	3.	ì	273 302	33	10.3	38 20	1.3	0.16	0.8	0.5	3	0.4	0.08	41 40.8	
Ma: 94			7.7	8.	4 10:	5 96	322 7.	2	5	256	D	12.6	76	0.53	0.07	0.9	0	3		0 0	31.7	
Ap. 94 May 94	 		12.0	7.1	8 8.	2 80		5 7.		236 177	92	19.4 9	26.1	0.4			0.8	16.	0.74	0	46.4 40	)
Jun-94 !-Jul-94			16.9 17.2	8.	0 7.	7 83		2 6.	9	204 251		15 14.8	34.7 27.1	l: 0.53	0.16	1.04	0.3	6	0.78	2' 0	43.1 44.1	į.
Aug-94 Sep-94			18.1 16.1	8.	\$ 8.	1 87	294 1. 325 2.	1 3	2	237	6	18.8	21 3	0.2	0.01	1.9		4	0.1	0 0	39.6	7
Oct 94 Nov 94			19.5 11.	8	3 8.	8 80	315 4.	5 10	2	240 205	33		24	6 D.8.	0.03		0 0	5	di anna	0 0 0 0	36	5
Dec 94 Jan-95			3.4	8 8	1		341 0.	4 4		216 250	2	16	36				0.5	6		0 0 0 0	39.2 37.7	
Mar 95 Apr-95			9.							194 230			83	0.6				6. 4	0.5			
May 95 Jun 95			. [3.] 18.;	3 8	6 7.			9 (		176	. 16	9.2	1	7, 0.	0.05	ı,		9	0 1 0	2 0	34	6
Jul-95 Aug-95			19.4 17.	0 7	2 8		304 2			214 18	6	8.1	23	9 0.3	0.01	0.2	7. 14	7	0. 1	1 0	4	6
Sep-95	: :		. 18.	8	4 8	.1 93		7	) 	190	0	4.25	ĮÒ.	7	0 (	)	0 0	8	1	0 0	. 3:	)
Oct 95 Nov 95	: : ::		, II	8 8	4 10	8 98	309.	3. 3	\$	100	, j	14 8	25.	7	0.0	2	1	A.	1	0 0	43.6	6
Jan 96			3.	4 8	3 12	3 100	249 5	.1 4	3	21	22	9.6	30	2 0.6	4 0.0	1.7	6	0	0		31.	2
Feb 96 Mar 96			4. Î.	4 8	2 9 0 19	2 155	276 4	2 2 1 5	2	250 201	3	9.6	46	5 0.3	0.0	0.0	2 0.	23		0 0	31	6
Apr 96 May 96	1		5. [4.	1 7	\$ 11 8 9	.1 94	122 2.0		8	16 16	22	3.5	3	5 0.3			0.		1.7 0.5	6 0	36.4	4, .
Jun-96 9-Jul-96		r-	19. 21			3 116 3 76	5 0	2 3 7 5		19			23 4		0 0.0				, G		47:	2
Aug-96 1-Sep-96		;	18. 16.	5 8		9 88	171! 2	.9 3		11	i ji		20.	8.	0 0.0	6	0 G.		0.2	8 0	21.	1
Oct-96			IE	5 8	ŭ 6 11		280	4	j	24	39	5.5	18.	Ē.	G 0.0	0.0	4	1.6	0.4			ĩ.,
Dec-96			7		0 19				3	10	49							M,	2.3			
min max	1.9	2.0							.s. 35 0. 35									0 0				
	15.1 4.3	32.0 15.2						2 6										1.7 0.			34.5	

<sup>•1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen steralion in water

<sup>\*3:</sup> Electric conductivity

\*4: Oxidenbility (neumanoanute)

Chepinska River (Station No 30060156)

March   1969	ſ	Date	Q	۳.,	Top	Ph	DOT	DO. 1	ECT	BOD5	Oxid	COD,,	ns	SŜ	Ct	504	NHAN	NO2-N	NO3-N	PO4	1128	Ft	Ma	Ca .	Mg
	1		-								(bs1###)	-				334	,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	,	*****	••			A18
1.   1.   1.   1.   1.   1.   1.   1.	ŀ	(1.lan.87	(63/1)			7.5						(# <b>./L</b> )			(mg/L)	(mg/L)	(mg t.)	(@g/L)		(mg/L)	(mg/L)		(mg/l.)	(mg/L)	(mg/t.)
	١	3-Feb-87		: 3.4	2.4	7.1	145	93							13	42	1.06								- 1
Section   197   190   190   190   190   190   190   190   191	1														16	45	0.2		1.6		. 0	0.2	0		į
Marche   190   200   10   10   10   11   11   11	ı														14	36	0.24						0		
	ľ										5.4		238	94			0.2		6.3			0.1	•		
Margin   151   151   151   151   151   151   151   152   152   152   152   152   152   152   153   1	ı				18.3							. :												34	5
	1	30-Sep-87		15.5		7.8	10.1	100		5.4	9.6		225				0.4		4.5				•		
Section   Color   Co	ı													4.								0.16		38	6
March   1.	ı	6-Jan 88			5.0										17.	39						0 15			- 1
1.545  1.5	ı																					1.8	0		- 1
Harden	ŀ														ισ	31								40	إ
Section   1.5	ŀ	1-Jun-38	1 :		20.0	8.3		99									. 0		0		. 0				Ĩ
Septe	1		****													45								**	
	ľ	1-Sep-88			190	7.7	9.2	100		3.5	6.1	:	254												٦
Second	ŀ		;												21	16								••	
Defend   172	1				7.0	7.9	11.7	96		4.3	6.6							. :					0	. ,0	34
Section   Color	1		7 .								4 4 22						4					()			٠
	1		1												12.	, <i>i</i> s.						0.53	0.5	73.	19
15-Aug    15-A	1		i i												14	62							-	28	s
Septem   100   127   86   88   31   31   31   31   31   32   33   34   34   34   34   34   34	1														21	54			-					64	
23.00.0000   10.   14.   13.   13.   14.   15.	1	6-Sep-89		-	17.0	8.2	9.4	98		2.8	5.3		221	36		,	0.6	0.05	0.9				6		- 1
Section   1966   1976	1								·· •						11					-				£ 7	
246-60	1	4 Jac-90	1		2.0	7.5	13.9	100		9.2	10.1		102	2			4							07	1
Section   1.00	1			7.8																				59	14
144,9490	1.	4-Arr-90	1		10.0	7.5	8.0	58					177	15			0.25	0.02	3	0.3			v		ı
14.4   10	1		:							3.j	4.2				25	45	4.47		2.82			0		54	10
Second   Color	ł								::		3.9				17	28	0.08		1.48					40	6
Sheep   10	1																								_ [
13-9-91	1																0.4			0.11			.0		l
15-5979	ŀ	5-Jun-9t				8.3	9.5	100	262				143	63	13.5				16.1				0		
	ł	11-Sco-91		18.4					280									0.01						28	6
Sylvenian	ľ	16-Oct-91				7.8		98.		2	4		233	2			0.1						•		- 1
Sheeps	1			7.8					777									. 0.02	1.99	0.5				37	7
Solvery   Solv	1	9-Jan-92			3.0	7.6	12.0	91	2	3				• •					15				. •		
SAM-978   190   125   75   135   100   2   61   100   2   0   1   2   2   1   1   0   0   1   5   0   1   4   1   1   1   1   1   1   1   1	1		- 1, 3	2.0					144										13.4					34	6
SAMPS  20	ł		: \ <del>-</del> <del>-</del> <del>-</del> <del>-</del> <del>-</del>	13.0					100						40				5	Ů,			, 0	•	
1-24-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	Τ		:	200																					14
A-64972	ł		• • • • • •	30.0														0.07	13	-		0.18	0	40	8
156-pp2	1	4-Aug-92	; · · · · ;		21.0	6.8	6.8	71					249			50	0					0		38	ιo
10-6482   12.5   14.0   75   95   72   4   3.4   220   5   0   14   0   015   3   3   3   3   3   3   3   3   3	1		. j						460							41							0	ĸ.	12.1
10-06-22   79	1	13-Oct-92	1		14.0	7.5	9.5	92		4			220				D	V.19.		. 0.3				• • •	***
2869-93	.  -		-'	15.0					481		<u></u> 4									á.					.2
SAMP	ŀ																						-		6.59
Section   Sect	-																					. 0	0		5
14m2    226   79   90   71   342   24   43   255   1   103   35   0.5   0.04   0.25   0.99   106   15	1												211			773						•			Ś
DAMP\$   2214   18   302   216   358   198   699   218   8   118   509   02   002   0.16   0.51   42   58   859   140   75   85   75   88   350   16   72   221   10   114   351   007   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.51   0.14   0.51   0.14   0.51   0.14   0.14   0.15   0.14   0.14   0.15   0.14   0.14   0.15   0.14   0.15   0.14   0.14   0.15   0.14   0.15   0.15   0.14   0.14   0.15   0.15   0.14   0.15   0.15   0.14   0.15   0.15   0.14   0.15	Л		404	,															0.26					30.6	15
Secret   140   79   81   88   350   36   22   221   10   114   32   007   0.24   0.5   0.14   0.8   9.5   12   12   12   12   12   12   12   1	ŀ		da i				10.7	126						8					0.16			1000	0.14		8.3
28hov93	1	8-Sep-93			14.0		8.7	89			2.2	,		10		32									9.9
2800-93	ŀ		·; <del>i</del>									a		27			1.3,		0.75			0.14			11.3
648   5.4   7.3   8.1   70   479   5.7   7.3   7.1   9.1   9.157   44   0.4   1.45   0.24   0.17   66   20     120.   9.1	T.	2-Nov-93	, i		4.0	7.9	9.1	73	351	2.7	3.5		244	3	11.1	28.4		0.11	0.98	0.08				43.3	10.8
1-66-94   3.5   6.7   11.6   50   400   3.1   3   295   0   18.3   40   0   0   0.2   102   0.5   0   0   447   7.1	1		ļ																, Ju			:	0.17		
5-App-96	ļ	1-Feb-94			3.5	6.7	11.6	90	400	3.1	3		295	0	14.3	40	0	0.22		0.5			. 0	41.7	7.1
444994	ŀ			á								_										0	Ð,		
151n94	ĺ	4-May-94	1		13.0	B.0	8.0	77		3.5			187	41		23.5		0.04	0.12			0	0		
2-Aug94	ı																						. 0	52	18.5
40c.94	ĺ	2-Aug-94	1		19.2	7.4	5.4	68	562	2.7	3.4		373	12	20.3	46	6.3	0.01	0.2	1.24		61.0	0.03	71	22
1-Nov-94	ľ	8-Sep-94				7.7	1.3	!		- 1															
100-94	1		4				7.5	75				}													
1546-95   9.0   7.0   11.2   10.0   233   19.6   5.4   502   11   9.9   79.5   0.21   0.00   1.56   0.5   0.2   0.3   5.1   5.9     44.69-95   9.6   72   18.9   19.1   249   1.1   1.8   86.4   221   38.5   11.7   0.49   0.06   1   0.5   0.3   0.18   29.3   8.5     2548-95   14.5   7.2   8.2   8.2   27.6   2.2   4.3   18.4   0.1   12.1   19   0.4   0.05   0.2   0.7   0.0   0.5   0.3   0.18   86.4     4-11/95   17.6   4.4   4.1   4.4   4.4   27.7   0.194   31   18.8   0.032   0.0   0.6   31   14.8     4-11/95   190   7.0   4.3   48   47.9   4.5   5.5   17.2   2.7   17.6   31.3   0.33   0.01   0.66   1.4   0.1   0.5   0.3     5-80-95   18.0   7.7   6.6   72   7.5   5.5   4.9   2.22   8.7   7.9   0.4   0.0   0.5   0.4   0.6   0.3   8.7     3-04-95   12.7   7.8   7.5   7.4   31.6   34.7   1.9   204   10   31.5   29   0.9   0.1   0.0   0.0   0.0   0.3   0.1     3-04-95   12.7   7.8   7.5   7.4   31.6   34.7   1.9   204   10   31.5   29   0.9   0.1   0.0   0.0   0.0   0.3   2.1     3-04-95   12.8   8.1   13.1   0.1   31.4   2.5   2.4   31.6   6.7   2.2.7   0.0   0.0   1.5   0.94   0.0   0.3   2.2   0.0     12-06-95   2.8   8.1   13.1   9.6   6.1   2.8   2.05   0.0   6.5   2.2   0.0   0.0   1.7   0.9   0.0   0.5   4.4     6-14-96   2.9   7.6   12.2   96   30.1   6.1   1.4   2.50   0.1   2.7   13.8   0.7   0.0   1.5   0.0   0.3   0.34   6.9     6-14-96   3.8   7.4   7.3   7.2   8.2   204   2.7   7.3   178   2.2   8.0   0.3   1.5   0.0   0.1   0.9   0.3   0.3   3.4   6.9     6-14-96   18.2   1.8   7.1   7.9   4.11   4.7   7.9   4.7   7.9   4.7   7.8   1.0   1.0   0.0   0.1   0.9   0.0   0.5   0.5   0.5   0.5     6-15-96   18.2   18.7   7.1   3.8   4.1   7.7   7.1   3.4   2.2   7.7   3.1   7.8   2.2   2.1   0.0   0.0   1.1   0.9   0.0   0.0   0.5	1	1 Dec 94			6.1	7.3			455	5.1	4		288	20	18.2	32	1.6	0.03	1.4	0.6		0	Ð	61.3	13.8
4App55 96 72 189 191, 249 10. 804 223 58, 11.7] 0.49 0.04 1 0.5 0.3 0.18 293 8 2Ahy955 145 727 82, 82 776 722 43, 184 0.121 19 0.4 0.03 0.2 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.03 0.2 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.03 0.2 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.03 0.2 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.0 0.52 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.0 0.52 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.0 0.52 0.7 0.0 0.54 8.64 194.05 126 179 0.4 0.0 0.55 0.4 0.6 0.5 0.5 14.4 194.05 126 179 0.4 0.0 0.55 0.4 0.6 0.5 0.5 14.4 194.05 126 179 0.4 0.0 0.55 0.4 0.6 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1		30 m	. :			11.2	100																	
Juny   S	1	4-Apr-95	3		9.6	7.2	18.9	191	249	1.6	8 04		223	58	11.7		0.49	0.04	. 1	0.5	 	0.3	0.18	29.3	8
4-iu/95         190         70         43         48         479         45         5.5         272         2         17.6         31.3         0.37         0.01         0.66         1.4         0.1         0         59         17.5           8-kug 83         202         19         7.1         16         257         3         5.6         203         0         9.6         21.9         0         0         0.6         0         3.8         1.1         5.8         2.8         2.9         12.5         0         0         0.6         0.9         0         0         3.9         1.1         3.4         1.9         2.04         10         13.5         2.9         0         0         0.6         0.9         0         0         0         4.5         1.1         2.8         1.01         10         3.4         2.5         2.4         91         6         7         23.7         0         0.01         1.7         0.9         0         0         3.2         10.6           12-0-295         2.2         8.1         1.11         9.6         6.3         2.8         2.05         0         6         3.2         0.0         1.7			10	3			8.2	87												0.7					
8-Aug95	ŀ	4-Jul 95			19.0	7.0	4.3		429	4.5	5.5		272		17.6	31.3	0.37	0.01	0.66			0.1	0	59	17
300+95   127   78   7.5   74   316   347,   19   204   10   115   29   09   0   1.07   0   0   0   457   10.5	İ	8-Aug-95			202	7.9	7.1			3.	5.6		222		9.6		0.4	0,	0.35			0.6		35.8	7.1
1-No-95	ı		÷ · · · · ·						315	3.47.															
931-3-96 310 80 115 84 255 343 34 222 4 89 306 08 307 154 07 015 09 19 05 055 03 03 44 6.9 6.646-96 08 08 70 175 186 187 187 188 187 188 188 189 189 189 189 189 189 189 189	İ	1-Nov-95			112	8.1	10.3	101	314	2.5	2.4		91	6	. 1	23.7	0	0.01	1.5	0.94		0	0	38.2	
6+ich-96 29 76 120 86 500 1.6 1.4 250 0 127 318 072 0.02 1.9 0.5 0.55 0 318 8.5 SMar96 0.8 7.07 17.1 121 297 3 3.6 192 28 10.3 48.8 0.35 0 1.75 0.2 0 0 31.8 3.24 2-0.4966 1.4 7.3 7.2 82 204 2.7 7.3 178 22 6.7 48.1 0 0.01 1 0.9 0.87 0 31.3 3.24 2-0.4966 1.5 7.4 11.4 10.6 241 1.72 4 70 94 6.4 35 0 0.65 1.1 0.49 0.2 0 31.3 1.5 3.7 TAG9766 1.8 2 1.8 7.1 79 331 4.7 3.4 287 2 15.3 21.5 21.3 0.00 0.91 2.06 0 0 0 56.9 15.6 9-1.096 9-1.096 1.2 1.8 7.1 79 331 4.7 3.4 287 2 15.3 21.5 21.3 0.00 0.91 2.06 0 0 0 56.9 15.6 9-1.096 9-1.096 1.2 1.5 7.1 38 41 2 .5 1. 228 7 14 2 15 0.00 0.91 2.06 0 0 0 56.9 15.6 9-1.096 1.0 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5	Į			٠.					256				377												4 6 G
2-Ap-96	ı	6-Fen-96			2.9	7.6	12.0	96	303	1.6	1.4		250	0	12.7	37.8	0.72	0.02	1.9	0.5		0.55	Ó	35.8	8.5
7-May986   159   74   141   106   241   1.72   4   70   94   64   35   0   005   1.1   0.49   0.2   0   33.1   9.9   4-Jun 96   182   18   71   79   431   41   3.2   5.1   2.28   7   14   29   15   0.03   0   0.92   206   0   0   569   15.6   9-Jul 96   215   71   38   41   2   5.1   2.28   7   14   29   15   0.03   0   0.82   0.31   0   25   13   6-Aug 96   209   7.7   5.2   60   300   504   3.4   218   106   16   286   0.81   0.01   0.0   0.02   0   0.31   0   25   13   6-Aug 96   115   6.5   7.1   80   221   2.2   5.1   147   47   6.8   10.1   1.68   0.05   1.14   0.62   1.6   0   356   21.8   1-0-196   117   7.7   281   5.1   233   0   7.8   129   0.3   0.00   0.04   0.5   0.45   0.45   0.45   1-0-196   7.1   7.1   13.6   127   310   1.55   2   2.66   10   11   312   0   0.01   1.4   0.7   0   0.40   5.9   4-De-96   7.0   7.6   202   195   202   5.1   7.7   79   57   62   37.1   1.31   0.03   1.11   0.4   1.81   0   33.3   195    min   2.0   0.8   6.5   1.3   140   1150   0.1   1.0   350   700   0.0   6.2   4.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0   0.0    mix   31.0   25.2   8.3   20.2   195.0   5750   41.4   490   350   1300   47.7   61.0   62   4.0   63   1.5   2.30   2.1   0.0   3.0   0.5   64.4   34.0    ave   15.2   7.1   7.7   7.9   5.5   63   3392   5.5   6.1   350   249.3   43.7   16.0   37.5   0.9   0.1   3.0   0.6   0.0   0.4   0.5   64.5   14.0    10.0   1.0	1		4.00																						
4-Ju-96	1		1	100									70												
6-Aug-96 209 7.7 5.2 60 500 5.04 3.4 218 106 15 286 0.81 0.00 0.029 0 0 199 4.7 45ep.96 11.6 5 7.1 80 221 2.2 5.1 147 47 6.8 10.1 1.68 0.05 1.14 6.2 1.6 0 35.6 21.8 1-0.05 1.14 4.7 6.8 10.1 1.68 0.05 1.14 6.2 1.6 0 35.6 21.8 1-0.05 6.8 1.17 7.7 2.28 1.5 1.233 0 7.8 12.9 0.3 0.00 0.04 0.5 0.45 0.45 0.45 4.4 5.8 0.05 1.14 1.14 1.15 1.15 2.2 0.0 0.1 4.0 0.0 0.1 4.0 0.0 0.4 0.5 0.45 0.45 4.4 1.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	1	4-Jun-96			18.2	7.8	7.1	1 79		4.2				2	15.3	27.5	2.13	0.03	0.91	2.06		0	Ō	56.9	15.6
4 Sep 96	1		j						380																
1-0-096	1	4-Sep-96	- 1		17.6	6.5	7.1		221		5.1		147	47	6.8	10.1	1.68	0.05	1.14	0.62		1.6	0	15.6	21.8
4-Dec-96 7.0 7.6 202 195 202 5.1 7.7 79 57 62 37.1 1.31 0.03 1.11 0.4 1.81 0 33.3 19.5 min 2.0 0.8 65 1.3 140 1180 0.1 10 350 70.0 0.0 62 4.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	ľ	1-Oct-96									5.1													42.6	4.4
min 20 08 65 13 140 1180 0.1 10 350 100, 0.0 62 40 00 0.0 0.0 0.0 0.0 0.0 0.0 0.0 25 2.0 0.0 0.0 31.0 252 8.3 202 155.0 575.0 41.4 49.0 350 13800 451.0 500 1620 63 1.5 23.0 2.1 0.0 3.0 0.5 82.4 34.0 0.0 15.2 12.3 7.7 9.5 85.6 3392 5.5 6.3 35.0 249.3 43.7 16.0 37.5 0.9 0.1 3.0 0.6 0.0 0.4 0.0 45.6 11.0													79												
max 31.0 25.2 8.3 20.2 195.0 575.0 41.4 49.0 35.0 1780.0 451.0 500 162.0 6.3 1.5 23.0 2.1 0.0 3.0 0.5 86.4 34.0 ave 15.2 12.3 7.7 9.5 85.6 339.2 5.5 6.1 35.0 249.3 43.7 16.0 37.5 0.9 0.1 3.0 0.6 0.0 0.4 0.0 45.6 11.0	-			30																					J
ave 15.2 12.1 7.7 9.5 85.6 339.2 5.5 6.1 15.0 249.3 43.7 16.0 37.5 0.9 0.1 3.0 0.6 0.0 0.4 0.0 45.6 ttd	ł			31.0	25.2	8.3	20.2	195.0	575.0	41.4	49.0	35.0	1780.0	451.0	\$0.0	162.0	6.3	1.5	23.0.		0.0	3.0			
	L					7.7				5.5					16.0										

<sup>1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

 <sup>\*3:</sup> Electric conductivity
 \*4: Gxidizability (permanganate)

### Luda Yana River (Station No 30060390)

Date	Q	T <sub>M</sub> ,	τ.,	Ph	DO'I	po,,,''	EC	BOD5	(perma)	COD <sub>rr</sub>	DS.	SS	CI	SO4	NH4N	NO2-N	NOSN	PO4	H28	Fe	Mo	C=	Мg
	(6)3/5)	(°C)	(°C)		(mg/L)	(%)		(maL)	(cu/L)	$(m_S/L)$	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(alg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L
9 Feb 93			63	7.5	9.1	19	499	18.4	7,7		313	12	24 B	288	1.4	0.13	7.51	1.56		0.22		43.4	20
11 May 93			107	7.5	. 9.0	91	251	7.4	14.31		314		4.8	183	68	0.05	0.29	0.65				36.2	. 5
17-Aug-93			259	7.6	3.0	40	845	335	20		. 445	34	43.3	61	17.9			9.5			0 44	69	2
9 Hov-93			12.4	7.6	45	45	530	240	174.2		343	833	. 27	86		0.3	0 06	1.7		4.4	1.53	52	
6 Feb-94			4.4	7.6	10.8	85	388	11.3	13.3		225	85	21	74.4	2.26		1.17	0.72		0.7	0.22	. 40	
10 May 94			11.9	1.5	9.0	28		3.3	6.3		182	59	10	50	0.5		1.2	0.3		0.72		37,4	
9-Aug-94			24.7	7.5	4 3	56	717	21.6	148		525	38	7.4	567 103	9.7		0.61	0.7		1.2	0.2	80	
8-Nov-94			86	6.7	10.4	94	470	26.6	11.5		342	56	22				1.1	0.05		1.56	0.6	49	
9 May 95			12.4	7.6	8.5	81	179	2.9	5.5		149	0.	. 1	12.9	0.45			,o		0.5	0	22.9	
15-Aug-95			18.6	6.9	5.9	71	568		17.8		446	103	20.3	169	1.7	0.08	1,37	0.2		1.24	, 14	60.1	
7-Nov-95			3.6	7.4	14.1	112	353	21.7	13.7		244	30	23.9	72.2				0.6		0.23	. 0	40.4	
13 Feb 96			2.4	7.6			:	4.17	3.8		258	29	B 04	71.2		991		0.07		0.33	0.07	. 31.8	
14 May 95			14.9	7.4	9.9	106	258	0.78	4.3		102	16	5.7	84.7				0.026		0.05	0.56	28 2	. 17
12-Nov-96			7.1	8.4	16.1	117	348	16.3	10.5		205	2	18	1 1	2.95	0.05	1.1	0.3		0.36	0.14	45	
min	00	0.0	2.4	6.7	3.0	400	179.0	. 0.8	3.8	0.0	102.0	0.6	4.8	42.9	D.4	0.0	0.1	0.0	0.0	0.1	0.0	22.9	
max	0.0	0.0	25.9	8.4	161	117.0	845.0	240.0	174.2	0.0	525.0	833.0	43.3	367.0	17.9	4.5	3.2	9.5		4.4	1.5	80.0	269
zvc	#Ď!VÆ!	ADIVO:	11.7	7.5	8.8	82 L	451.3	21.0	22.7	<b>∌DIV</b> /0!	292.4	99.0	17.4	134.8	" i ).)	0.4	1.3	1.2	#DIV/0!	1.0	0.5	45.4	31

# Luda Yana River (Station No 30060391)

Data	Q ·	Terr	Twe	Ph	90"	DO <sub>w</sub> "	EC"	BOD5	Oxid" (perman)	COD	DS :	SS	Cl	SO	N##N	NO2-N	NO3-N	P04	H2S	Fe	Mu	Ca :	Mg
	(m3/s)	(°C)	(°C)		(rag/L)	<b>(%)</b>		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(cap/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)
9-Feb-93		3.7	0.3	7.8	13.7.	38	877	3.5	. 1.9		647	21	13.4	102		9.05	3.03	8.04		1.36	0.6		
11-May-93	1		10.0	7.9	10.5	99	711	5.1	6.04		399	217	4.8	121		0.02				1,44	0.78	97.6	
17-Aug-93			17.7	7.8	8.7	98	990	2.1	4.6		787	99	11.8	427	( *	0.02		0.1	:	6.6	1.32		
9-Nov-93			9.5	7.8	9.1	86	974	6.2	5.5		699	LIS	60	396		0.02	0.13			0.42	1.41	145	
8-Feb-94			3.8	7.8	12.6	104	735	4.6	14.2		539	271	21	177			1,	. 0,		7.3	0.98	90	
10 May 94			10.3	8.0	9.7	94		2.1	5.6	4 .	535	48	. 10							1.42		131	والمنداة
9-Aug-94			16.8	7.9	8.1	88	1028	1.2	., ,2		949	. 66		154				· · · · · · · · · · · · · · · · ·		2.56	1.1	181	
8-Nov-94			. S.1	7,1	12.4	103	950	2.4	1,8		858	. 39	12	478		0.01	1.6	. 0	-1-	2.76	2.2	141	
9-May-95			15.3	8.1	8.2	90		1.8	4.9	٠	526	87	12	220		0.01	1.2	- 10		2.2	3,28		13
15-Aug-95			17,7	8.4		86	1052		4.6		954	93		517			1.19		4 - 1	0.92		204	
7-Nov-95			3.7	8.0		120	922	7.4	188	f.,	750	578		424		0.01	1		. 1 12 3	6.68		159	
13-Feb-96			2.1	7.6	L			3.17	0.8	Ş	476	67	8.04	205			3.83	9.24		1.09	0.25		22
14-May-96			163	7.5	9.3	E02	690	4.9	42	S	316	32						0.066	1	0.25	0.68	120	
13-A2g-96			18.0	8.1	8.3	95	844	∴1.5	3.4		728	76	7.4	210		0.01		U.1,	200	114	1.37	137	35
12-Nov-96			6.1	122	16.6	157	1357	21.9	10.6		502	144	45		1.06	0.09	0.7	٠, ٠,		v	0.34	159	'. · ·
	8.0	0.0	0.3	7.	7.9	86.0	616.0	1.2		0.1	318.0	21.0	- 1 î	102.0	 0.0	0.0	6.1	0.0	0.0	0.0	0.0	90.0	) . · 2
wivi	0.0	0.0	18.0	12.2	16.6	157.0													: O.G	7.3	3.3	201.0	6
max ave		Ø.VZD≰		8.1	10.8	101.4	900.5	4.8		4DIV/0									aDIV/0!		1.1	135.0	

Luda Yana River (Station No 30060262)

Date	Q	Tgir	T <sub>va</sub>	Ph	DO 1	DO, 21	EC'3	BOD5	Oiki	COD,	DS	SS	CI	504	NH4N	NO2-N	NO3 N	PO4	H2S	Fe	Ma	Ca	Mg
									(perman)														- 7
6-Sep 89	(m3/s)	(C)	(C) 16.0	8.1	(mg/L)	(%)		(mg/L)	(mg/L)	(mg/L)	(mg/L) 415	(mg/L)	(ms/L)	(alg/L)	(mg/L)	(mg/L)	(mg/L)	(cng/L)	(mg.L)	(mg/L)	(mg/L)	(mg/L)	(.rg L)
23 Feb 90			6.6	7.9				10			424	75	45	136		011	2	1.3		07	. 0.3		
4-Dec-90			4.0	8.0			516	626			452	187	33	162		0.1	1.2	0.1		•			
5-Jun-91			15.0	8.0			435	15.7	24.8		354	141	23 3	130		0.04	0.2			0.76	3.3		
10-Sep-91			160	8.1			856	8.6			596	63	35.7	191	. 1.8	0.36	0.36	0		1.12	, 0		
3-Dec-91 10-Mar-92		-	4.6	8.0			605	12.9	10 (		472 327	70 46	40	171 116	0.6 1.8	0.09	5.3 0.5	0.3		0.5 0.7	03		
9-Jun-92			16.1	7.3			187	17.7	23.5		248	9300		181	0.5	0.07	1.8	o o		1.6	0.5	42.1	66
9-Sep-92			16.0	8 2			817	4.4	6.4		621	49	69	168	0.4	0.12	5.1	-		11		121	1
3-Dec-92			1.0	7.7			170	13.8		62			51	156		0.1	2.1	. 3.4		0.8	. 0	101	3.
9-M±-93			2.5	8.1			180	11.9			551	. 38	459	216		01	2.52	t 41		0.22	0.43	88.9	24.3
13-Apr-93 11-May-93			13.4	. 8.2 7.8			790 718	, JZ\$ 43	9.29 9.93		542 474		73 30.5	103 107	1.3	0.28	2.17 0.15	0.74		1.36 1.04	0.44	89.3 <sub>.</sub> 75.1	20.3
8-Jun-93	, 9		20.9	7.9			707	146			459		37	129		0.31	1.15	2.56		0.15	, 924	80.9	2.1
12-Jul-93			19.3	8.9	14.6	172	1013	8.7			662		60.5	165		0.06	0.02	3.2			0.2	109	285
17-Aug-93			21.9	B.2			1048	3.1			691		65.6	175		0.1	1.08	- 4			0.33	112	21
14-Sep-93 5-Oct-93			16.9 14.6				987 1171	104			392 757	- 26 58	72 108.3	110		0.03	1.62	0.63		1.01	0.03	104	20
9-Nov-93			11.6	7.2			918	19.4	14.1		541	122	56	180			1.15	3.1		0.5	0.53	95	3.6
7-Dec-93			4.4	2.9			904	R.L			609	44	51	212		0.16	1.03	0.35		4.5	0.63	75	5.
11-Jan-94			7.5	6.0				16.6			520		48	175	4	06		1.38		. :	0.54	82	31
5 Feb-94	i		3.6				798	26			216		51	159	4.44	0.17	0.65	1.48		1.64	0.59	78	2
15 Mar-94 12 Apr-94			9.1 11.4	8.4 7.1			744 521	7.i 43		y seed	. 476 334	40	40.7	120	3.5 0.88	0.34	0.8 1.03	0.94		0	0.2	_ 86.5 68.6	36.I
10-May-94			12.0	··· · · · · · · · · · · · · · · · · ·			721	5.8		· ·	402	64	17	125	0.6	0.06	1.03	0.48			:	120	24.3
22-lun-94	1		22.6	8.5			890	3.2		•	671	15	67.5	178		0.74	2.89	0.87		0.28	0.11	117.	
19-Jul-94	1		22.6	8.6				4.9			635		33.1			0.01	2.02			. 0	0	111	23.3
9-Aug-94	1 1		20.0	8.1				5.6		and the second second	638		7.9	54.9	9	0.87	1.61	0.68		0.6	. 0	113	25
1-Sep-94 11-Oct-91			15.1					102	3.3 6.9		657 676		82 43.8	166 257	0.46 2.5	0.16	1.28	0.04		0.92 1.28	0.46	98	21 24.3
8-Nov-94	*****		8.0								768		92	226		0.15	1.95	1.16		1.20	0.49	112	45
6-Dec-94		, ·	5.3			85		8.4			642		50			0.1	1.5	1.4		0.62	0.2	63	- 56
17-726-95			0.4	8.0		ئوي بالحجار	612	9	7.3		454			164		0.01	2.7	0.28		0.8	0	726	21.3
7-Mar-95 11-Apr-95	1		7.2	7,9 8.2			577 446	2.26		i ·	465 375		14.9	130		0.13	. 1.8	9.4		0.8	. 0,	67 51.8	24.4
9-May-95			13.7					3.1			325		15			0.06	1.5	0.3		0.7		54.6	28 4
6-Jun-95			16.6	7.6		to a constant	497	0.25			317		15.2	153	0.57	0.15	2	0		0.8	0.5	65.1	
11-141-95			20.9	5.		1:	609	6.67			505		16.9	147		0.06	0.6	, o		O.	0.16	80.2	24.5
IS-Ang-95	j		18.0	8.1 8.2			. 840	7.7	7.5		694 716	, O	13.1 32	239		0.1	3.17	1.3.		0.16	D 22	113	30.5
12-Sep-95 10-Oct-95			14.0				806	a.3			116		2.4	175	1.5	0.1	0.57	0.5		. ,0.30	5.7	152	34.2 42.1
7-Nov-95			2.9	7.1	16.1	134	800	17,7	10.1	Ī	546	70	59.7	477			2.3			0.5	8.14	98.1	30.6
19 Dec-95			3.9								55968		36.4	151			0.2	0.35		0	0.3	90	29.1
16-lan-96 13-F-5-96	30 mm d			7.6		119	596	2.06			492	. 46 19	19.3	1074		0.05	3.84			. 0.84 E.06	0.09	78.2 66.5	28.6
13 Pob-96						134	575	1.52		÷	417	22	15.3	169			3.7			0.84	0.00	69	24.4
9-Apr-96	b., ,		6.4			105	380				308		9	71.6		0.02	2.47	0		1.35	0.43	55.5	2
14-May-96			15.6					1 55			201		14.9	136		0.17	2.2			0.32	0.55	73.3	39.2
11-Jun-96	1 1	·	19.3						5.9		632		8.5			1.4	4.3	9.32		9.56	0.74	18.5	8.1
2-ful-96 13-Aug-96	:		23.9	8.0 7.9							654 367		39.9	112			2.2 3.3	0.6		1.46	0	2.0L	0.67 25.3
10-Sep-96		:	15.9						:		594		20.5				. , 3:3. 1.3		-	1.00	0.29	78.6	43.8
8-Oct-96	12 1 1 1 2		13.9				812		7.3		614	9	44.3		2.38	0.36	0.01	j.38		0,41	0.69	92	3
12-Nov-96			6 2					18.2			128		. 46		3.04	0.06		0.4		0.24	0	87	. 17
10 Dec 96		,	6.2	8.4	12.1	101	490	9.2	13		365	50	21.6	134	1.2	0.07	1.4	0.18		0	0.09	73.2	24
mb	0.0	8.6		7.7	6.9	96	118.0	63	0.9	62.0	1(6)0	0.0	2.4	41.7	0.1	0.0	oo'	0.0	0.0	0.0	0.0	2.0	0.3
ITAX	0.0	0.0		9.2		264.0		62.6					106.3				5.3				3.3	152.0	56.0
ave	#DIV/0		12.0	H.O		106.0		9.5					37.9	202.0			1.8		ADIYO:	0.6	0.3	86.2	27.2

Luda Yana River (Station No 30060102)

Duta	Q (mVs)	r <sub>ir</sub>	T <sub>ru</sub>	Ph			(%)	(cug/L)	Oxid (perman) (mr/L)		DS (mg/L)	(mg/L)	CI (my/L)		(mg/L)	KOZ-N (mg/L)	NO3-N	(mg/L)	(me/L)	(mg/L)	(mg/1.)	(mp/L) (a	Mg mg/
Jan 87 Feb 87	(03/5)	9.0 6.0	(C) 10 60		1.3 10	ng/L) 11.8 11.3	82 87	(01g/L) 3.36 6.2			(mg/L) 469 358	10 414	(MDL) 18		(mg/L) 2 2.41		(mg/1.) 14.2 6.65	(mgL)	(mg/L)	0 23 11 9	1.2	Company C	
Mar 87 Apr 87	4.2	02 160	0.2 12.0	7	.9 .9	13.7 11 B	94 300	8.5 6.7	9.7	:	402 305	65 87	9	166	1.1		0.4		C	5.7 0.2	0.7 0.31		
May-87			18.4	?	. 8	8.0	80	Ž.I 9.5	2.3		386 449	21 59	21 32	121 195	0.3		6.22 3.74	· · · · ·	· -	0.17	2.43	80	
Jun-87 Jul-87	09	22 0 32.5	20 0 26.5	7	6	8.5 8.0	100	3.4	5.2		524	5			0.1		15			0.2	0.73		
Aug 87 Sep-87	0.2	22 2 17 0	17.6		1.9 1.9	12 i 6.9	101 72	5.3 1.7			468 606	18 45	24 30	156 146	0.45		5.81		c		0	67	
Oct-87 Dec-87	3.0	13.0	13.5 10.6		1.4 1.5	10.3 10.9	100 94	7.4 5.9			570 491	281 40	37	42	123		11.88			0.4 1.19	0.75	36	
Dec 87	1.2	7.0	6.0	7	.8	12.0	96	5.9			490 370	61	40		4.3 0.8		3 (4		C			. T	
Jan 88 Feb 88	2.3	8.0 1.0	5.0	, 7	1.0	12.7	100	. 12 43	3.6		448	J2 	38	131	0.26		9.06			0.51	1,2,	69	
Mar-88 -Mar-88	5.7		5.5 16.5		1.4	11.9	95 89				352 292	33		··· · · · · · · · · · · · · · · · ·	0.2		15	-1		0.56	1.1		
May-88 -Jul-88	1.4	20.2 27.0	18.8	7	1.8	11.8 8.2	100 94	1.3			432 356	7 21	18	130	0.12		1.37			0	0.272	66	
A68-88		28.0	22.0	. 7	1.5	12.7	100	7.7	5.6		608	51	26	318	0.41		4.01			0.13	0	85	
Sep-88 Oct-88	0.1	15.0	23.0 14.0		1.5 1.4	8 3 10.7	98	1.8	<u>(                                    </u>	Ć	510 735	35 21		!	0.2		0.7			0.2	0.432	4	
Nov-88 Dec-88	2.3	0.5	1.8		1.6 1.8	13.2	92	15.7			637 480	16 80	49	92	2.52 J		0.8			0.16		37	
Jan 89 Feb 89		10.0	30 0 4.0		7.5 3.0	120	103	9.6		·	573 432	27	38	230	0.66		15 0.34			0.02	7.9	76	
Mar 89		6.0	9.0	7	1.8	11.3	98	5.1	8.		484	76			0.00		2.9			0.2	1.1		
Apr-89 May-89		22.0 19.6	18.8		7.8 8.0	8.8	90	1.5 5.1			500 607	73	109	178	0		14 3.6	ka sa		0.25 0		79,	-:-
Jul 89 Aug 89		30.5 13.8	26.0		7.6 3.0	7.3	100 67				445	50 578	26	117	0.05		11.5			6.3	2.24	66	
Sep-89		26.0	16.0 21.0	7	1.1	9.5 15.0	96 190	3.6	4.	5	807 719	52			0.1	0.01	0.9 13.6	0		0.3	1.2 1.76		
Oct-89 Nov-89		142	11.2	. 1	7.8	10.6	93				597	66	40	211	0.32		1.56			0.22		80	
Jap 90 Feb 90		1.0 7.2	. 1.0 3.9		7.6 6.5	13.2	98 87	4.9			617 503	20	43	230	1.54	1	4.32			0.5	1.43	33	_:
-Feb-90 Apr-90		25.0	6.5 17.0		7.6 7.8	11.5	94		5 6		459 564		45	169			2.5	0.3	ļ	0.25	1.04		
May-90 Jul-90		16.2	13 6 29 0		8.0 7.8	10.L 7.0	101	8.	. 8/	<u>.</u>	195	355	32	19	0.16		2.64			0.47	1.18	62	
Oct-90		31.0 19.0	16.0		7.6	9.4	96				187	505		i	0.05		11			0.1	0.1	j	
Dec-90 Mar-91			4.1		7.9 7.1	11.2	85 98	515 411 476 8			465 474	31	38 23.4	35	0.55	0.09		9.1		<u>i 1,1</u>	0.75		<u>-</u> -
May-91 Jun-91		24.0	17.4 16.9		7.5 8.1	9.8 9.7	. 96 100	528 6			486		35.5		0.36		2.1			0.51		37	4
Aug 51		21.8	17.1 16.3		7.6 8.6	9.1	90 96	2.	5 5		562 567	5	42	216	0.16	×	20 0		ļ	0.47		78	
Sep 91 Oct 91		26.0	18.0		7.8	93	97	619 3.9	4 5.	2	672	5	34		6.1		1:		ļ	0.46	0.7		
Nov 91 Dec-91		3.8	8 d		7.0 8.1	10.1	85 96	584 4.		5' <i>.</i>	526 542		39 21		0.34		1 12			028		69	:
Jan 92 Feb 92		14.0 2.0	6.1	)	7.6 7.2	12 0 13.6	95 93		Š ~ 7	6	503 426		40		1.1		6.19			0.4		57	
M= 92			5.0	)	8.1	12.4	97 100	184 7	1 8		369 397	39	24		2.7	2 . 0.0			i	0.7		1	· 
Apr-92 May 92		15.0 13.4	101	i	7.3 6 8	13.2 12.1	109	9.	8 5	5	726	163	30		0.1	3	13.0	!	ļ	0.14	1	121	
Jun-92 Jul-92		310	17		80 18	88	91 95	491 16. 8		8	317 45			113	0.	.,	6			0.32		1.:	
Aug 92 Sep 92	1000	28.0	17.		6.0 7.7	10.0		726 2		8	521 62						10.2			·	) 	58 141	
2-Oct 92			20	0	7.5	11.0	99	7	2	4	680	3 5		1	0.0				Ĺ	0.15			
2-Oct-92 2-Nov-92		25.0	19. 8.	•	7.6 6.5	9.8 10.0		, <u>;</u>	6 3 1 3	4	77	3	4		0.1		22.3			0.0	ļ	62	_
Dec-92			11)		7.4 7.8	10.8	98 102	903 3 815 7		2 3 6	55				Q.			0.8		0.7		127 86.9	
Мж-93 3-Арт-93			21. 12.	0	8.1 7.9	14.0	130	810 6 686 8			59. 470				0.0					0.13			
May 93			12	3	7.9	10.4	102	678 3	7 7.5	8	494	5 11	13.5	118	0.	0.2	1 1.7	08	1	1.2	0.54	80.1	
3-Jun-93 2-Jul-93			21 18		7.9 1.5	10.1 7.8	117 85		3 2		571 59	1	34	1 194	0.0	7 0.0	7 001	5		, D.	i	101	
7-Aug-93 4-Sep-93	:		21. 16.		7.6 7.6	8.6 9.6		618 0 319 3			43					0.0	0.3			_L	0.08		
Oct 93 -Nov-93	·		14 12	8	8.i 7.7	8.9 8.5		1193 8 1117 5	8 7 6 5.2	5	116	0	62			0.0				0.8			
Dec 93			. · · · · ·	5	7.9	186	[45	976 7	1 4	2	72	2 20	. 4	4 265	2.	4 0.1	2 1		3		1.65	134	
Jan 94 Feb 94			7	6	7.9 7.8	10.5 12.5	100	777, 12	3, 9	3	50 52	4 3	3	3, 189	1.9	7, 0	1.3	5 0.6	2	1 7	B 1.02	78	
5 Mar 94 2 Apr 94			8		7.B 7.8	11 0			.4 .1 3/	4	56 41										0.74	64.1	
1 May 94 2 Jun 94	· · · · · · · ·		12 21	9	9.1 8.2	9.9	99			3	46 69				0.6			8 0.2 1 0.1		2.5	6 <u>'</u> 0 0.1:	104 3, 128	
9-Jal-94			21	3	7.7	7.5	90	950 2	4	1.5	78	5 3	42		9.7	6 0.0	72 2	1	1			126.	
Aug 94 I-Sep-94			19		7.7	8.8 19.9	96 234	865 (	15 !	1.9' 1.5	68	0	4 3	9 28	0.5	3 0.0	5	0 6.2			0	1	
I-Dct-94 I-Nov-94			15		7.2	12				1.2	79		0 51 3 4	6 320 8 309					4,		0 <u>!.</u> !		
Dec 94 7-Jan 95				9	7,4	10.1		837		6	59 51	0 12	3 4	23. 23.	3 2	6 0.		8 06	2 0	0.5	6, 0.	6 113	
Mar 95			. 9	.6	7.6	10.		561	1.9	4	5.	33	0	9 20	0.9	3 D.	14 3.	ı o	74 · · ·		O, O.	4 75	
May 95			15	.6	8.2 7.5	10.0		i, 512	3.8	7.5. 5.1	41		8 2	11 14	0.4	47 O.	07 2	2 0		0	6 2	6 67.9	
Jun-95 1-Jul-95			17	.0	7.E 8.3			640		3.5 4.1	54	12 6	0 21	8 26 6 27		3' 0. 5 0.		2	O.	4 . 1	1, 0.9 0 0.1	6 86.5 8 86.7	٠,
5-Aug-95			. 18	7, ,	7.9	7. 9.		3 742		5.4	7.	16	0 .	(O 23	6	0 0. I.I. 0	D1 D.		3	0 1.6	4	0 93.3	
2-Sep-95 0-Oct-95	200		13	8	8.t	10.	8 10	5 893	4.8	26	2	16, 2	0 1	1 29	4	).7. 0.	02 3	2 00	))		0 ),	8 127	
Nov 93 9-Dec 93	1			.1 .8	7.8 7. <b>5</b>	15. 15.	6 10	4 732	9.6	6.3 4.5		82 2	6 27 0 30	5 19	6 2	6 0	06 3.	5 <b>8</b> 0	4	1	2 03 0 0	5, 97	
16-Jan 96 3-Feb 96				8	3.0 7.3			3 629	4.2	5.7 3.8			6 17 17, 19			0.8 0. 66 0.		2 11 0.1	0	0.6		6 89.2 1 72	
2·M=r-96				4	7.3			0 650 0	.08	3.9 99	4	74 5	9 16 6 10	it. 70	6	0 0.	04 3	.6 0.0		0.7	6 0.3	3 71	
9-Apr-96 4-May-96				, 7 7.0	7.2	9	3 10	0 575 1	.37	5.5	1 2	23	0 15	.6 15	6 0	56 0	02 1	3 0.	<b>4</b>	0.7	4 0.6	4 91 1	
l I-Jun-96 2-Jul-96			2	1.0 2.6	7.8	9	6 10			4.6 3.2				5.3 18 2.2 73				.1 0. .9	13 D	0	0 0		. <del>.</del> .
13-Aug-96			, i	1.0	7.8	9	3 10	4 780	2.(	2.3	6	29,	8 21	6' 16	6	0 0			Ú1	0.			
10 Sep 96 8 Oct 96			1	5.8 5.0	7.1	12	3 1	2 828	2.5	5.4	4	00	5 3	1.2	6 0	23 0	14 0.	14. 0.		0.	46 I	l 99	
12-Nov-96 10-Dec-96		-		6.5 6.8	7.8					6.3; 5.3				42 9.3 14				1.4 1.9 0.	11		0 0		
nia.	0.1	0.	2 (	1.2	6.5	6.	9	Ø 184.0	Ô.1	0.5 3:	3.0° 123		.0		ė	0.0	30' (	0.0 č	0.0	0.0: 0	.0' '0	.0 1.8	٠.,
	5.7			£0 .	9.1	19.					50 116									0.6			

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen steration in water

<sup>\*3:</sup> Electric conductivity

\*4: Oxidizability (permanganate)

Luda Yana River (Station No 30060154)

Color   Colo	Dala	Q	T <sub>a</sub> .	Ted	Ph	БОЧ	DO,,*3	EC	BODS	Oxid	COD	DŚ	88	CI	804	NII4N	NO2-N	NOJ-N	POH	1125	Fe	Mn	Ci Ci	Mg
13		(m3/s)	<u>(G)</u>	(°C)		(ma/L)	(%)		(m2/L)	(perman) (mg·L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(me/L)	(me1.)			
134643		:						***************************************	1.44			397	. 0			2			(,2.2)	(10)	02	(mg/E)	(11.71.)	(mg·L)
9   9   9   9   9   9   9   9   9   9												118	184			,				. ,				
July 1														22	122								64	13
1-0-497   1-0-	1-Jul-87			27.0	7.6	7.9	100		1.7	4.6		396										D		
10347	31-Aug-87 1-Sco-87			17.8																	Q		75	2.
18-84    46   100   70   110   94   14   34   359   13   10   159   13   10   159   10   150	1-00-87		[4.0		7.5	10.3	100							14	157					0		. 0		
24.68   70													•					15.99			0.34		67	21
46-bit 0 0 0 0 4 70 132 50 16 12 444 60 22 134 01 124 02 12 134 0.03 22 134 0.03 22 134 0.03 22 134 0.03 22 134 0.03 23 134 0.03 23 134 0.03 23 134 0.03 23 134 0.03 23 134 0.03 23 134 0.03 24 134 0.04 23 134 0.	7-Jan-88		7.0	6.0	7.6	11.B								40	163			165		. 0		. 0		
2349y88			0.6											28	134			2.18		<del>.</del>	0.8		72	17
Jienest	25-May-88		18 6											16							0.38			
Several   170	1 Jen 88					86	93	:	10.3	9.8		396	70	. ••						0	V.		62	
30x48								• • •						14							7			٠.
10   10   10   10   10   10   10   10	5-Oct-88				7.8	10.4	100		3.8	5.7		275	20		. , ,,,,				-				".	13
9 Prés 8 46 24 77 134 110 39 42 339 27 41 11 077 29 000 66 14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		: .:												42	64						0 09		54	21
3-press   215, 200   73   94   100   4   56   660   1   10   12   13   15   15   15   15   15   15   15	9-Fco-89		4.0	2.4	7.7	13.4	110					339	27	42	131								14	11
130m s		, :							4	5.6		460	18			0.2		7.4			0.15			
3 Jane 90								• • • •								0								21 36
534649    92   78   111   97   447   746   541   148   65   261   331   018   000   144     1214/99    122   114   70   91   91   15   46   462   38   220   01   5   5     1224/99    122   114   70   90   95   23   34   379   9   22   176   0   485   0.44   67     1234/99    127   128   70   90   95   23   34   379   9   22   176   0   485   0.44   67     1246/99    127   1					7.8	13.6			9,4			475	2			0.1					0.1		30.	
1248y 9   300   184   70   91   91   95   15   46   462   3   24   200   023   1646   044   64   64   150			3.0					447													0.41	. :	39	. 34
124.449	12-May-91			18.4	7.0	9.1	93	177) 					3								0.64		64	15
18-Nove  3									2.3	5.4	,		9	22	176			4.85			0.42			. 21
67th 692	18-Nov-91			7.0						5.3			· · · · †	49	190			1.07					69	24
1841ay92		v:							4.6			378	3			0.54		5.7			3.12			. 16
Section   Sect														17	176		·							
10800792	6-Aug-92	1000		19.4	8.0	9.8	101		2.3	3.5		421			142	0								25
948493								176							198						. 7.		56	12
13-Apr 93	9-Mar-93	1. 1. 1													204								74	. 27
7.00cc 9)  3.2 79 177 137 588 36 32 533 18 56 59 096 000 1.1 0.1 0.1 11.  1.13a-94 5.0 8.1, 116. 94 677 42, 36 338 78 309 200 016 6 000 85 876 94 64 79 13.9 199 642 27 4.9 425 10 39 200 016 6 000 000 000 000 000 000 12.  8.76994 7.75 8.5 156 133 618 30 10.5 145 00 32 141 0.0 0 000 000 000 00 00 00 00 000 12.  1.24yc94 116 80 10.6 100 100 153, 124 39 0 0 32 141 0.0 0 000 000 000 000 000 000 000 12.  6.00m/y94 199 72 1.2 144 13 4 16 6 441 33 12 4 10 0.0 0 000 000 000 000 000 000 000 00	13-Apr-93	1															0.06	3.12	0.2					27.9
11-13-94		! · · · · · · ·	100													0.04								20.5
13-May-94	11-Jan-94	*					94	677		3.6		388	78		230		9.16				•	0.08		. 25
12-Ayr-94		• i																			. 0			22
CoMays4   199   72   122   148   3.4   6.6   441   33   22   34   0.3   0.07   18   0.76   1.08   1.04   5	12-Apr-94	d-1 - 1		11.6	8.0	10.6	102		5.3												y	9.2		43.8 35.5
1714a-95		Sec.	:								,											2	104	59.9
7-Mar 95 9-1 76 11-1 96 636 1 3-3 445. 3 26 152 0.28 0.02 2.85 0 0 0 0 0 15 11-4 8-95 11-2 8-4 10.5 10.0 497 16-6 4.5 2 70 14 17 10.0 6.32 0.01 2.2 0 0.4 0 6.5 2 9-May 95 2 21.3 8.5 7.7 89 507 1.6 1.4 208 0 28 1.50 0.14 0 1.4 0 0 0.2 0 717 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	17-Jan-95	1.33.1		0.3	7.7			680														٠,		27.2
9-May 95	7 Mar-95												3	26	152				0		. 0	Ď	75	. 24
6-lun-95	9-May-95																		0				64.5	28.1 17.4
15-Aug-55	6-lun-95	1						619						15.2	189	0.33	Ð	2.03	0		0.3	0	81.8	2.8
128cp95	11-Jul-95 15-Aug-95	1 1				10.6	146		0.94									l	0					24.1 24.6
10:0ct 93	12-Sep-95	74.171		16.4	8.1	9.9	105			2.4		622	12	26	322	0.6	. 0						103	49.3
19-06-95		: 1	1 7							1.6									. 0		-,			43.7
16 hab-86	19-Dec-95	1.11.1		3.3	8.2	15.1	103	713		1.6		566	6											26.7 25.4
12-May 96	16 Jan 56	i i	1.			16.3	119	591	I,			488	16			0.3	0.01	4	0		Œ.	0	80.9	18.6
9Agr96 122 7.1, 106 107 390 5.13 639 271 78 1.11 164 0.13 0.02 2.07 0.1 1.23 0.3 544 16 18 18 19 7.8 9.9 113 165 0.83 1.7 175 9. 113 1.64 0.13 0.02 2.07 0.1 1.23 0.3 544 16 18 18 19 7.8 9.9 113 1.65 0.83 1.7 175 9. 115 1.55 1.54 3.2 0.15 2.37 0.14 0.21 0.17 684 2.24 196 27.65 8.6 10.1 130 586 2.14 2.5 4.52 80 7.23 1.6 5.3 3.2 0.15 2.35 0.52 0.2 0.1 141 2.24 196 27.8 8.2 7.8 96 2.0 1.1 2.1 4.31 0. 20.3 196 0.0 0.0 1.0 0.1 0.0 0.0 0.1 0.0 0.0 0.1 3.0 0.0 0.0 0.1 0.0 0.0 0.0 0.1 0.0 0.0 0	12-Mar-96	i			7.9	16.3	136	645					7.											23.5 28
11-14n-96		*			7.1					6 39		251		(Li	264	0.13	0.02	2.07	0.1		1.23	G.3	54.4	18.1
234196 27.5 8.4 10.1 130, 598, 2.14 2.5 432 80 21.8 26 0.0 0.0 0.1 0 0 0 1.7 0 1.3A4196 22.8 8.2 7.8 98 820 1.11 2.1 431 0 203 108 0 0.0 108 0.1 0 0 0 0 1.3 0 1.3A4196 22.8 8.2 7.8 99 86 22 1.1 2.1 431 0 203 108 0 0.0 108 0.1 0 0 0 0.0 108 105e96 14.1 6.5 99 98 60 1.7 318 22 11.9 10 0 0 0.0 1.25 0.2 0 0 0 00.3 1 804-96 16.0 7.7 100 104 656 1.1 3.1 3.1 3.2 18 22.3 186 62.7 001 001 0.22 0.18 0 83 12.No-96 9.1 89 26.8 135 100 108 6.3 150 6 38 0 0.0 12 0 0 0 98 0 10.0e-96 6.8 8.3 122 104 157 14 2.4 441 0 26.8 175 0.3 00 2 0 0 0 0 91.2 1  min 0.3 0.6 63 7.3 650 8500 0.1 0.7 00 980 00 0.4 0.5 00 0.0 0 0.6 00 0.0 0.1 130  max 340 290 9.1 288 2550 8500 103 102 00 6220 1840 100 1960 3.3 440 0 5 0.0 78 0.3 1370 55	14-May-96 11-Jun-96	4 - 12 - 1								1,7; 6			<u>9,</u>											22.6 4.5
10-5e-96	2-Jul-96	11 7.1		27.6.	8.4	10.1	130	596	2.34	2.5		452	80	23.8	126	0.1	0.01	0.1	0				1.3	0.53
\$0x;65									14													7		727
12 Nor-96 9.1 8.9, 26.8, 235 700 308, 6.3 516, 6 38 0 0.03 2.7 0 0 98 0 10 000 00 00 00 00 00 00 00 00 00 00	8-Oct-96	L		16.0					1.1											**				26.1 35
inha 0.1 0.0 6.5 23 650 550.0 0.1 6.7 0.0 98.0 0.0 6.4 0.5 0.0 0.0 0.0 6.0 0.0 0.0 0.0 1.3 ( max 340 290 9.1 26.8 255.0 550.0 103 102 0.0 6220 1840 1160 1266 3.2 3.8 440 0.5 0.0 7.8 0.3 107.0 55	12-Nov-96			9.1	8.9	26.8	255	700	3.08	6.3		515	6	38		0	0.01	2.2	e e		0	0	98	0.44
max 140 250 91 268 2550 8200 103 102 00 6220 1840 106 17666 32 38 440 05 00 78 03 1070 55	10.046-90	<u> </u>		0.6	8.3	12.9,	108	167	1.4	2.4	:- [	447	0	26.5	175	0.3	0.01	2	0		0	0	91.2	24.7
the first term of the state of		ļ.: :1																						0.4
	max	4:::	34.0 14.5	29.0	9.1 7.8	26.8	255.0 104.6	820.0 625.8	10.3°		0.0 10/V)Ds	622.0 427.0	184.0 29.1	210.0 29.0	1766.0 176.1	3.2 0.3	3.8 0.1	44.0	0.5 0.1	0.0 0.0	7.8 0.4	0.3	107.0 71.6	59.9 23.9

<sup>\*1:</sup> Distolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*4:</sup> Oxidizability (permanganate)

Vacha River (Station No 30060108)

Data		T <sub>e</sub>	Tes	Ph	DO"	DO,,*1	EC BOD	5 Oxid	COD.	DS	SS	CI	SO4	NR4N	NO2-N NO	)3-N	P04	H25	Fe	Ma	C <sub>E</sub>	M
,,,,,	•							(bttmm)	1.													
14n 87	(mVs)	(c)	(C)	7.4	(mg/L) 5.0	(%) 38	(mg/l	(mgA)	. (mg/L)	(mg/L) 213	(mg/L)	(mg/L)	(mg/L)	(mg/L) 26	(mg/L) (m	16 (16	nig/L)	(m <sub>2</sub> /L)	(mg/L) 0.02	(mg/L)	(ing/L)	(mg
Feb 87	1	1.5	40	7.0	13.9	100		2.L Ú	•	134	45	4	27	. 0	* * * *	0.76			1.01			
Mar-87 .		2.0	4.2 t0.0	8.0 7.4	129			1.1 .3. 7.2 9.	!	122 205	39	1,	. 17	0.1 0.3		0.8		Q	0.33	0		
Apr-87 Hay-87		146	8.2	7.6	137			7.2 y. 5.4 1.9		138	116	í	20	0.5		5.33	p		0.23		30	
Jun-87		22.0	11.0	7,8	108	98		68 5.7		102	78	8	18	0		0 96		. 0		0		
Aug 87		21.0	15.0	7.8	11.6			3.4 2		269	50	1	23	. 0		11 01			0.	. 6	56	
Sep-87 Oct-87		14.0	162	8 L	6.9			3.5 3. 3.5 9.		. 88 195	44. 11	10	21;	6.5		0.3		. 0	0.09	. 0		
Nov-87		80	6.0	7.2	109			1.9 2		202	24	6	93		• • • •	5.64		. 4	0.4		48	
Dec-87		3.0	6.0	7.8	118				3	102	22	1	2.j	0				. 0	. 6	0		
Jan-88			5.0	7.9	7.0			. 3, 4.		202	9.			0.6		20	i		0.01			
Feb-88 Mar-88		0.6	2.2 1.0	6.8 8.1	. 11.6 11.3			2.3 2.7 1.	1	354 198	17 30	8	. 19	. 0		13.7			0		55	
Apr-88			6.0	7.7	12.0			2 12		132	11	;		0.06	1	6	ŗ		0.01			
May-88		180	9.2	7.2	12.9			5.4		146		3	87			0 32			G		33	
Jun-88			8.0	8.2	102			27 6		126	24			0	1	. 0.		0			. :	
Jul-88		210	180	8 2 7.5	9,2			3.3 19. 4.4 3		131	13		24	0.25		3.97			0.14		47	
Aug-88 Sco-88		24.8	190	7.8	. 8.8			18 4		183	45			0.2	· · · · · · · · · ·	0.1	- +		0.2	o.		
Oct 88	-		13.0	7.4	102			2.2 13.		169	6			0.25		28			0.09			
Nov-38		2.0	8.8	7.0	13.1			2 1	)	166	9	8	9	0		4.95		·	0		24	-
Dec-88 Jan-89			10.0	7.5	113			3.5° 4.8 10.7	<u>.</u>	130	32 26	7,	;	نوو ب	4 .	13			0.06			
Jan 89 Feb-89		4.8	-4.u	7.3 6.8	9.3			4.8 10.7 1 1		276	20 8	12	51		4	12 02	;		0.06		59	
Mar-89		0	11.0	2.9	11.0	100		5.7 3	4	200	26			Ö	11/23/11	2.8				0.2		
Apr-89			105	7.6	108	96		44 10.1		200	15			0.39		12		٠,	0.05			
May-89		18.0 16.0	10.0	7.5	12.3 8.0			4.1 3 2 9.4		167	. 17	· 3	. 51	1.68		0.42	. :		0.02		26	
Jul-89 Aug-89		19.2	24.2	1.4	9.3				3	178	60	. 8	135	0	• •	0.32	•		0.02		38	
Sep-89			15.0	7.9	9.9	99		3.6 4	5	84	39			0	4.1	0.1	0	1		C		
Oct-89		13.0		8.0	9.8	93		L 6.9		100	12			0.11		. 2,		200	0.03		در. فيون	
Nov-89 Jan-90		0.6	7.2 5.0	6.8 8.0	13.5			1.8 2 2.4 6.9		133 150	18	6,	, 23	0.33	1000 10	0.3			0.17		27	: .
Feb-90	-	1.6	4.4	7.2	11.0			51 1		167		. 8	33	0.13		3.16	7, 7		0.07		. 28	•
Feb-90			6.0	7.8	11.8			4.9.	2	59	38	7	10		0.02		o o		0	0		:
Apr-90			10.0	<b>8.</b> L	11.0			3.3 5		241	3	11.0		0.1		(T			0			,
May-90 Jun-90		14.8	320	8.0	111	i, 59	L	40) [.4	3, ,	230	255	9	28	0.18		27.19			0.32	· ,		
Jul-90			20.0	8.2	9.0	99	)	1.8 6.	2	281	21			0.25		3.7	•	5 m = 1	0.04		1000	1-1
Aug-90		25.5	16.6	8.0	12.5	128		11.2: 4	ı	242	54	10	37	0.07		9.06			0.14		53	
O(1-90			14.0	8 2	10.3			. 2 !	Carrier .	220	12	ليدر سدا		0.1	عايون با	- 4.	أعددا		0.02			: :
Dec 90 Jan 91			10.0	7.9 7.9	11.7			37 2	.5	250 178	3E,	9.4	21	0.16	0.07	4.9	0.02		0.08			,
Mar-91			7.0	8.0	11.1			3.2		150			123			15.3	0.04					-; -
Apr-91			9.0	8.5	117			2 2		140				0.06		14			0.02			1
May-91		13.6			117			5.5	2	157	4.	. 9		9.1	0.01	6.56	i d		0.05		36	
Jul-91	100		18.0 12.0		9. 8.1					101	49	11.4	. 28	0.23	0.01	1.8		:	0.4		لامجردية	ł., s
-Aug-91		14.7		7.0	7.		,		À	199	· · · · •	6	16			4.64			0.3		35	
-Sep-91		:	14.3	7.8	9.	1 89	285		.8	239		16.8			0.01	4.7	0		0.82	0		
Oct-91		- 1	14.0		9.			1.3		234	3	ن		1.04		· .	:	7	0.02			į
Nov-91 Dec-91		7.5	10.0					2	3	180	28	10	12			1.45			61.0		26	· .
Jan-92			5.0		9			2.1		184	ر ً : : : :			0.01		23.					: · · · · ·	
F-5-92		. 0.0	5.4	7.0	11.	4 66		3.5	.3	291		12	51			17.87		je - 1 - 1	0.4		33	Û
M≥ 92	!	,	8.0				135	3.5	2	160			21	0 م	0	2.6	0	:	0	9	t	í:
Apr 92 May 92		15.0	9.0 9.4		10 11.			1.3 2.9	1	152	. ,		27	0.02		6.61	1 1	i de la	0.05		37	
-1n0-85	,		163	8.4	9.	7 9	9 318	2.5	2	176		12		. 0		2.4	Ö			0	40	
Jul-92			15.0			9 81			28	219				0.08		2.8			0.02			
Aug-92		- 25.							l. 5	250		14 10				12.06		<del>.</del>			42	
Sep-92 Oct-92		:	20.0 14.0				8 344 9		04:	202 114	13			0.16		0.5			0.02		) 6	
Nov-92		ii							3	276		10	41			9.61		125	0.04		<b>42</b>	
Dec-92			. 8.8							41 100		7				0.7	0.1		0.36		50	).
Mar-93			6.0	8.4		2 9				21 241 13 172		10			0.02	0.9	0	ļ	0.4	, .o		
Jun-93 -Sep-93		••	15.0							13. 172 12. 250		10			1 1-	4.9	0.4	i-		4	*	11 3
Dec-83			7.1	7.8	10	5 8	B 330			34 199	26		2	i"	mari i	1.6					58	
Feb 94			8.9	į `` <b>7.</b> 5	12	1 9	6 389	1	M	14 269	. 25	12				1.8		1			30.8	
2-Jun-94	٠,		. 16.2						2.3 I R	15 238		10			0.02	2.5		1 2			74.1	
Sep-94 -Dec-94			16.5						.5.	219			19		0.02	1.7	0.1	• • • • • • • • • • • • • • • • • • • •	100		74.1	
-Mar-95			7.5						1.2	249		118				0.1	0.04		0.2		50.7	,
Jun-95			12.0	7.8	10	9 10	0 260	1.3	1.8	176						្លារ	. 7		0.01		46.9	
Sep-95			15.7	1,7	9				2.6	166		7				2.3	0.07		0.11		50.2	
-Dec-95 -Mar-96			10.1				1 265 5 200		1.8	137		8	l I			0.3	0.1		0.0	0,00	55.4 6 68.7	
) - Mar-96 J-Tun-96	•	•	11.1						3.6	201						1.5	0.1		. 0.0.		70.6	5
J-Scp-96			14.5				6 323	0.7	IJ.	201	24	- 11	3	7 0.5		0.3	0.1		0.0		0 64.9	
inin		. 00	4.0	1.6	5.	D 38.	0 135.0	0.6	i.i	2.0 84.0	) 1.0	1.0	. 6	0 00	0.0	0.0	0.0	0.0	0.0	0.0	0.60	
tive:																28.0	0.4					
Cria c		25.5	20.0	- 8.3	12.	9 125:	0 339.0	11.2	7.4	1.0 354.0	J 293.U	110.0	1333	0 0	F. V.E.							

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*3:</sup> Electric conductivity

Chepelarska River (Station No 30060109)

March   Marc	Data	Q	Te	T.,,	Pà	DO	DO <sub>tal</sub>	EC. BOD	5 Oxid" (perman	COD <sub>er</sub>	ns	Sŝ	CI	804	NH4N	NO2-N	NO3-N	PO4	112S	Fe	Мл	Cz
Method   M	L.lae 07								.) (mg/1.)	(m <b>g/L)</b>			(m2/L)	(mg/L)		(mg/L)		(mg/L)	(m2/L)	(mg/L)	(mg/L)	mg/L)
New Perform   1968   1968   1969	8 Feb 87	09	60	6.0	7.0	13.4	100		23 4	8	124	6	. 4		1.02	. :	1.65		_	4.34		
Marghy   14	2-Apr 87		100	5.0	7.0	105	B2		2.9 3		106	73			1.4		3.4		o			
75-04-79   141   250   160   71   72   72   73   74   75   75   75   75   75   75   75	0-1413y-87	i i			7.4	11.3				•		42							ō		ð	28
Section   13   150   160   17   17   17   18   18   18   18   18	7-Jul-87		200	160	7.5	6.7	89		1.5		93	57	-		12		3.4					
Name   1	2-Sep-87		15.0		8.0	9.3	92		2.2	•	150	30			8		0.1		0		0	45
100-240   23	7-Nov-87			7.2	7.7	11.0	85		1.3. 2	В	206	23			0.13		2.54					58
House			7.0									39	6						ð			
Abectal 10 10 10 77 77 110 110 110 110 110 110	Mar 88			4.0	7.0	11.3	79		ii	6	161	39	4	22	0		1.05			0.04	۰	36
Separate   19	2-Ajv-88			7.0	7.5	9 11.0	83		2.4 1.1		84	_ 12			0	:	2.4				U	
Sought   121			15.4										. 3	21		٠.,			. 0			16
													6	116						o.		50
	I-Sep-88	L L		15.6	6.6	6 9.6	97		5.2 5	7.	218	47			0.4		0.L					
	1-Nov-88			3.4	7.7	2 12.4	B7		1.3. ]	6.	232	53	§	56	0.15		2.99					51
156-169			13.0										: :			:				0.6		
Company   Comp	5-F-b-89			4.7	7.8	8 10.8	84		6 6	1	572	114	51	148			80.01			0.09	A P	86
Activate   100   72   73   73   74   75   75   75   75   75   75   75	4-Apr-89			13.0	7.5	9 9.4	89		1.9	.8.	148	. 14	·				2.8				V.8.	
Part   Part	4-100-89	5 - 4		13.0	7.	2 10.1	96		5.9 3	4	166	43	6.	23	Ò.			o d		0	o d	- 32
15-96-96												٠,	7	27						. 0,		42
Name	2-Sep-89			16.0	8.6	9.6	97		2.2 4	6	186	32			0.1	0	1.0	. 0				-
128-849	1-Nov-89				7.0	6 11.3	96		4.1, 2	6	174		8	49	0.17		2.59	:		0.13		39
Sheeker   10		 	11.0	4.4			68					10		29				- :		0.79		. 31
Seley	6-Mar-90			3.0	. 70	4 12.8			4.3] [3	9	156	23	. 3.	31			1.1	0				
Jamps	2-May 90		14.2	9.8	7.5	8 11.2	93		2.4. 13	.6	171	30	6	40	0.11		1.37	: :		3.1		40
Schwerg   S.   7.6   15.5   7.8   15.5   7.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15.5   7.8   15	3-Aug-90		25.0	17.4	7.	4 11.6	112		3.2 3	<b>.</b>	250	32	. , , 8	71		: : :	3.44	:		1.01		30
Simple			13.0										8	35	0.31	0.02		. 0		0.7	0	
SAMPS   140   90   75   117   117   27   131   32   44   0.029   1.6	6-Jan-91		6.0	3.0	7.5						t41-	39										200
	5-Apr-91			9.0	7.5	5 11.7	117		2.7	2	153		. j				1.6		- :			 
Separate   15.6   63   70   93   88   6.6   72   258   21   6   84   0   0   226   0   00	[t-lun-9]	ا دیداد ا میسر		14.0	₿.	10.2	99	218	25' 4	6	111						1.1	o		0.13	0	!:
156-pst   140		·			71	0 93	88		6.6, 2	1	258	27	6	84	0	y <del>-</del>			_ :	0.06		. 36
2460-99	3-Sep-91			14.0	7.	<b>8</b> , 10.1		232 5	.39 2.		169	20	. 2		0.52	;	0	0			0	
17  Jane 20	2-Nov-91			_ 5.6	7.	2 10.6	79,		1.5 2		219	δ			. 0							37
Shee	17-Jan-92			4,0	7.	9, 13.8	105		2.5		161				0	0.01				-		
			2.5									4				0.02				0,	0	. 33
24mg92	4-Apt-92			11.0	7.	6 10.9	99,		2.9.		137				0.2		3.6	· · ·		02		. 32
19.44g  3	2-Jun-92	17-5 <b>-</b>		14.0	8.	10.1	98	186	4.3 4		154		1		0.2		2.6	0	_ 0	0.2		40.2
9.5cp-92, 160, 180, 182, 93, 94, 189, 222, 28, 173, 186, 12, 29, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0,	0-Aug-92	· · · · · ·		180	7)	0 9.1	, ai		1.9		208		, ,		0.16		1.81			0.18		19
9280-992 100 7.6 7.0 107 84 1.4 2.6 248 82 6 45 0 295 0.18 2928-91 23 83 128 95 291 23 45 9 235 25 13 7 0 0.02 1.1 0.1 0 229.1m 93 1.5 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8.8 8	9-Sep-92			160		2 9.3	94,			8 6			12	29		0.01		0		0	0	51
1546-97	9-Nov-92			7.6	7.	0 10.7	84		14	6	248	82			o	nm'	2.95	Α,		0.18	'n	39 60
16-Mag-9    16-Mag-9    18-8	29 Jun <del>9</del> 3				3.	4,			***;		'					0.02	1.1,				ų.	60
1	16-M≖-93				1.	4 12.7																
13-De-93															0.03		0.5	:				
5-Age-94    126	13-Dec-93					3, 7.5	52					11						:		0.07	0.11	
2-Aug-94	5-Apr-94			126	8.	į 10.9	103	177	2.2	9 2	4 106		7				0.4	: :				34
4Ox364	2-Aug-94			19.3	. 8	7 5.	91	264	1.4	3, 1	9 142	23	7	30							0.2	28.1 34.1
1-Non-94												31 27	8			٠, ١						43.4
3) and 95	1-Nov-94				7,	5 10.5	97	265	13	7			9		0.4		1.3	Ď. I		0.4	. 02	48.1 43.3
June   5	3-Jan-95			7.6	9.	5 11.4	94	150	$\mathbf{I}_{i}$ 2	9	, F#2	35	6	25	0.2	0.01	0.5	0.7		0.5	o.i	26.1
1-Aug/95	1-fun-95			15.1	9.	1 10.1	100	197	0.5	2	131,	23	. 6	24	0.1		0.3	0.05				81.5 39.7
5.5cp-95			:																			27.1 54.3
Februs   9.3   8.2   11.6   98   346   2.9   4.2   203   32   5   40   0.05   0.7   0.08   0.01	5-Scp-95			16.6	. 8	3 91	99	276	1.2	3	148	27	. 6	30	0.2		0.7	0.03		0.1		37.2 52.1
	t-Nov-95			9.3	8.	2 11.6	98	346	2.9.	4.	2 203	32	5	40	0.05		0.7	 		0.08	0.01	40.3
1-Rab-66 0.1 8.1 8.9 55 209 2.8 4.8 190 25 4 32 02 0.1 0.05 1.5 5 Mai-96 1.6 8.0 1.6 9.1 215 1.5 3.9 127 1.8 4 27 0.7 0.3 0 0.1 0.05 1.5 5 Mai-96 9.4 8.0 7.8 74 1.40 1.9 4.8 95 3.4 6 12 0.2 0.3 0.6 0.05 3 Mai-96 1.5 5 5.5 9.7 96 2.16 0.7 3.6 136 31 7 24 0.1 0.4 0.04 0.07 0.11 2.1496 1.5 8.5 8.0 8.9 2.70 0.8 4 220 1.7 6 37 0.1 0.4 0.04 0.07 0.11 1.4496 1.7 8.5 8.0 8.9 2.70 0.8 4 220 1.7 6 37 0.1 0.2 0.1 0.2 0.19 0.05 1.4496 1.7 8.8 8.4 99 300 1.1 3.2 2.0 1.5 6.9 43 0.7 0.3 0.6 0.02 3.5 9.8 9.1 1.3 1.8 3.5 194 2.1 11 18 0.1 0.7 0.0 0.0 0.0 0.0 1.0 1.0 0.5 0.05 0.05 0			:		8.	.1 12.5	100	145	14 3	4	105	. 35	_	- 21	0.5				;	0.3		34.4 24.8
2 May 96 94 80 78 74 140 1.9 4.8 95 34 6 12 0.2 0.3 0.6 0.05 3 May 96 115 0.7 3.6 116 31 7 24 0.1 0.4 0.04 0.07 0.11 3 May 96 126 0.7 3.6 116 31 7 24 0.1 0.4 0.04 0.07 0.11 1 May 96 170 85 80 89 270 0.8 4 220 17 6 37 0.1 0.2 0.19 0.05 1 May 96 17 8 8 8 8 8 9 270 0.8 4 220 17 6 37 0.1 0.2 0.19 0.05 1 May 96 17 8 8 8 8 8 8 8 13 1.8 3.2 200 15 6.9 43 0.7 0.3 0.8 0.05 0.02 0.05 1 May 96 17 8 8 8 8 8 98 13 1.8 3.5 154 2 11 38 0.1 0.7 0.0 0.0 0.0 0.0 1 May 98 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LFdb-96			0.1	B.	. 8.	65	209	2.8	8	169	25		32	0.2		. 61			0.05	1.6	36.3
2.1a1.96	2 May 96			9.4	8,	.0 7.1	14	J 40,	1.9	.8	95	34	. 6	32	0.2		0.3		: .	0.06	0.05	30.6
1-44-76   18.7   8.5   8.4   99   300   1.1   3.2   2.00   15   6.9   43   0.7   0.3   0.06   0.02   0.02   0.02   0.05	2-Jul-96			17.0	8	5 8.0	8.9	270	0.8	4	220	17	6	37	0.1		0.2			0.19	0.05	28.6 24.8
1-0x796 110 83 9.8 96 214 13 25 155 48 6.9 36 0.6 0.00 0.01 0.05 6Nov96 8.2 8.5 10.8 94 111 1.6 2.3 199 17 3 68 0.1 0.2 0.01 0.13 min 0.6 6.0 4.0 6.2 2.5 8.9 111.0 0.7 1.0 4.2 59.0 0.0 3.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	J-Aug-96															:						16 57.3
min 0.9 4.0 1.0 6.2 1.5 8.9 111.0 0.7. 1.0 4.2 59.0 0.0 3.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0	1-Oct-96			11.0	)	3 9.	98	234	1.3	3	155	48	6.9	36			0.6	0.02		0.01	0.05	62 50.1
		-1		: * * * *							100											
avc 6.6 14.2 10.5 7.8 10.7 93.0 233.0 2.5 3.4 18.4 164.3 29.1 7.7 39.2 0.3 0.0 1.7 0.1 0.0 0.3 0.2	mer.	29.0	29.0	21.0	81	¥ . 14.2	125.0	346.0	6.7	6. 30.	572.0	114.0	51.0	148.0	4.4	0.0	10.1	0.7	0.0	4.3	1.6	15.0 86.0 40.4

<sup>\* 1:</sup> Dissolved Oxygen

<sup>2:</sup> Oxygen Ruration in water

<sup>\*4:</sup> Oxidizability (permanganate)

Chepelarska River (Station No 30060110)

1971   C.   C.   C.   C.   C.   C.   C.   C
251   66   67   73   68   68   73   731
10
10
13
1
104   97   278   10   0   31   6   0   0   0   0   0   0   0   0   0
104  92
10
92
228   10
228
10
6 2 11
311
3.1         6         0.2           1.1         4.29         2.07           0         1.2         0           1.7         7         3.1           0.46         1.14         0.27         35           0         0.8         0.09         0         52           0         0.1         0.0         0         0         52           0         0.1         0.0         0         0         52           0.81         2.77         0.018         56         0.19         64         0.1         60         1.1         0         0.2         0         60         1.1         0         0.2         0
6 02 429 207 112 0 17 31 1.14 027 08 0 09 0 266 0.40 552 01 0 0 0 0 277 0.16 0.56 1.1 0 02 0 277 0.16 0.56 1.1 0 02 0 277 0.16 0.56 1.1 0 02 0 277 0.16 0.56 1.1 0 02 0 28 0 0.56 1.10 0 0 0 0 29 0 0.4 0 0 0 0 1.39 0 0 0 0 277 0.6 0.6 0 28 0 0 0 0 1.10 0 0 0 51 1.10 0 0 0 52 0 0 0 0 54 0 0 0 0 0 1.10 0 0 0 0 1.10 0 0 0 0 1.10 0 0 0 0 1.10 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 0 1.11 0 0 0 1.11 0 0 0 1.11 0 0 0 1.11 0 0 0 1.11 0 0 0 1.11 0 0 0 1.11 0 0 0 1
6 02 429 207 12 0 12 0 17 31 1.14 027 35 08 0 0.9 0 52 08 0 0.9 0 52 09 0.43 55 01 0 0 0 0 52 1.1 0 0.2 0 0 1.1 0 0.2 0 0 1.1 0 0.2 0 0 1.1 0 0.2 0 0 1.1 0 0.3 0 0 0.4 0 0.3 0 0 1.1 0 0.3 0 0 0.4 0 0.3 0 0 0.5 0 0 0.1 0 0.5 0 0 0.1 0 0.4 0 0.5 0 0.1 0 0.7 0 0.1 0 0 0 0
02 207 0 31 027 35 0 0.9 0 0 0 0.1 0 0.1 0 0.2 0 0 0.1
02 207 0 311 027 037 043 09 09 049 052 09 018 56 002 04 01 03 06 04 05 06 06 06 07 07 07 07 07 07 07 07 07 07 07 07 07
022
0 55 0 56 0 40 0 51 55 0 52 0 52 0 52 0 52 0 52 0 52
35, 55, 56, 40, 29, 52, 52, 52, 33, 34, 28, 34, 35, 34, 36, 44, 38, 36, 44, 38, 38, 38, 38, 38, 38, 38, 38, 38, 38

<sup>\*1:</sup> Dissolved Oxygeo

<sup>\*2:</sup> Oxygen staration in water

<sup>\*4:</sup> Oxidizabilky (permanganate)

Chepelarska River (Station No 30060111)

Data		)	Tue	Tv4	Ph	DO 1	DO. 12	EC BO	DS Oxid	n . c	OD, DS	SS	C)	SO4	NH4N	NO2-N 1	XO3-N	PO4	HIS	Fe	Ma	Cı.	My
	(an)								(perm	RA)													
5 Jan 87	;	2.33	<u>co</u>	(°C) 7.0	7.7		(%) 38	(tng	4.5 4	68	ng/L) (mg/L)				(mg/L) 4.2	(mg/L)	28	(alg/L)	(mg/L)	0 27	(mg/L) (	(legf.)	(arg/L)
9 Feb 87 17-Mur-87	:	. , .	7.9	4.8 60	7.0	11.6				1.8 5.3	251 182		10 19	18 63	0.9 0.7		4.89		G	1.18	:		
2-Apr-87 2-May-87		1.	[5.5	108	7.4	102				4.8 72	147		19	29	5.5 0.17		3.12			5.5 0.44		32	
9-Jun-87	:	4	25.0	182	7.4	9.1	97		3.7	7.7	230	42	10	63	2 02		2.53		0		2.92		
13-Aug-87 2-Sep-87	1	1111	19.5	20.6	7.2	8.2	91 89		2.3	31 25	733 595	\$6	10	342 295	[5.4 [33.5]	-1-	27.92	:	0	0.03		113	. 33
5 Oct 87 13-Nov-87			13.0	17.0	7.4					2.2 3.6	605 388		12	87	5.55		6 35	;		0.2		73	14
14-Dec-87 7-Jan-88	:		5.0	5.5 9.0	7.6 7.6		88 34			4.8 2.6	317 452	70	16	218	32.2		2.1 26		0	0 5 0 L	0		
25-Feb-88			4.4	12.0	8.0	9.3	82		7.3	4.3	545	13	37	122	3.93		4.26		*	0.04		99	15
9-Mar-88		+-	4	10.0	7.9 7.8	7,8	92 69			6.7	302 180				0.23		0.7			. 0 800	0		
3-May-88 2-Jun-88		7.4	9.8	8.2	7.6 7.9		93 92		3.4 5.2	1.2	194 193		7	31	2.79 1.3	ć	1.33		ů'	0		42	4
1-Jul-88 17-Aug-88		- 1	23.8	19.0 21.6	7.7	8.0	87. 79	· · · · · · · · · · · · · · · · · · ·	4.8	6 4 4.2	244 536	11			3		15			0.16			
1-Sco-fil	11.	;	23.8	20.8	7.0	8.5	96	4	3.9	4.8	600	49	18	746	9.02 1.9		0.8			0.4	3.9	75	34
5-Oct 85 17-Nov-88	4	- :	3.0	6.2	7.3		94			7.7; . 4.5	697 476		18		0.07		11.76	- !	** 0	0 01		73	10
8 Dec 88 3 Jan 89	1		7 - 1:	7.0	7.6 7.3		62 42			7.7 1.5	242 581		14		3.	1 1	40			i.i. 0.13	0.6		
14-Feb-89 1-Mar-89			2.8	6.8 10.0	7.5	10.9	87 97		7.	3.8 5.7.	358 172	. j	17	107	0		6.87	;		0 6		65	10
5-Apr 89	·	- 1-		10.5	7.5	11.0	99		5.04 1	4.5	196	31	<del></del> -		2.5		0.3,	4 44	;	0.16	0.7		
22-May-89 14-Jun-89	į .		1.4	17.0	7.0 7.4		61 96	!,		4.9 5.9	345 315		18	22	13.4	0.09	11.17;		- · · · ÷ ·	0	0.4	16	11
6-Jul-89 15-Aug-89	. i		18.5	23.5	8.0 7.7	6.8	73			7.7 3.9	243 478	14		: j.	1.66	0.06	0.05			0.07	,		
30-Ang-89		i i	15.0	16.4	Ĵ.2	8.7	84		8.1	5.8	706		15	407	8.86		28.46	<u>.</u>		0		93	22
12-Sep-89 4-Gct-89		 	13.0	19.0	7.6	9.0	96 35		2.7	5.8 7,	411 510	5			0.9	0.04	0.8 25	0		0.01			
1 Nov-89 1 Jan-90			7.4	11.8 6.0	7.5 7.1		44 77			3.B .96	307 342		17	150	7.13		1.56	!		0.09		68	6
19 Feb 90 6 Mar 90			0.0	4.0 7.0	8.0 7.2	13.4	100 86		11	3.4 1.2	370 353	19	9.3	142 171	6.81 14.5	0.04	1.41	~ .	1.4	1.15	0.5.	48	6
4-Apr-90		{- i		13.0	8.0	5,0	48		7 2	9.7	490	4			. 6		8			90.0	0.3	٠.	
20 May 90 6-Aug 90	1		18.6 14.0	16.2 18.8	7.8 8.0	7.8	86 80		14	3.i 1.3	452 484	94	18 23	177	2.79 5.41		6.32 9.51			0.43		90	14 18
10-Oct-90 11-Dec-90			!	14.0	7.6 7.2		69 99	323	4.9 3.9	6.5	516 252		10	[04]	5.1 2.8	0.01	6. 8.4	0.	•	0.04	0.9		
9-Jan-91 13-Mar-91	1			5.0 6.0	7.6 7.8	9.6	75 97	222		4.6 4.6	3065 132		8.7	37	15.6		4.4.			0.19	0.01		
II-Apr-91	1	1. 1.	والرازية والمسترا	7.0	7.8	11.1	91		. 2 3	36	161	109			0.4			Mili		0.24			
6-May-91 11-Jun-91		. iii	15.6	12.6 16.0	7.0	9.3	96 95	398		2.9 6.4	196 236	71	114.	52   25	2.87 4.12	0.02	3.46 3.28	0	. · . i	0.56 0.6	1.45	32	. 2
3 Jul 91 30 Aug 91		- 4	25.2	17.0 19.4	7.1		77 81			3.8 2.8	244 627		21	107	0.49		24.24			0.11 0.46		54	. 14
3-Sep-91 3-Oct 91	: <del> </del>	- [-		16.0 15.0	7.6 7.2	7.2	71	528		.84 4.5	379 452	30 13	24.5		2.38	0.1	4.4	0		0.9	0,1,		
6-Nov-91		11.	4.5	7.2	7.2	10.4	83		10,	1.9	297	7.	16	86	0	ereactions.	2.79			0.28		58	6
9 Jan 92	· † · · ·	- j.	-,,	3.0 5.0	7.8 7.0	9.5	94 74	199	2.2	1.6 2.5	250 247	19	12	. 53	1.4	0.02	0.75 3.	, <u>0</u> ,	- :	0.06			٠.
17-Feb-92 5-Mar-92	;	!	6.4	5.2 6.0	7.0		84 99	144	2.6	3 4.8	150		14	37 63	0.66 4.3	0.02	6.14		!	0.05	0	38	. 2
9-Apr-92	1			13.0	7.7	10.1	96 68		3.6	3.2	[43	81	16	56	0.5		1.6			0.14		•	
11 May 92 2 Jun 92			162	18.5	8.3	9.3	99	291	5.2	3.4] 4.7]	235 210		10	51	4.42	0.03	6.7 1.5	0		02	0	. 69 27	21
8-Jul-92 18-Aug-97			12.0	24.0 19.0	7.7	6.7	98			.76 6,9	318 214	23.	20	19	26.6		16.98		:	9.1		. 52	5
10-Sep-92 7-Oct-92		1.42	· j	20.0 <sub>2</sub>	7.1		93, 95,	500		3.4	443 509		20	27:	0.6 12.6	0.02	7.54 5.8	0		0.12	D <sub>.</sub>	55	26
16-Nov-92	. <b></b> 	i j-	1.0	5.0	6.8	12 2	93	473	10.8	7.6	315 22 310	17	39	71	10.6		12.29			0.06		42	7
2-Dec-92 12-Jac-93	1	_ [_		5.5 4.5	7.4	10.9	87 82	168		4.3 8.6	523		28	23	0.9 3.6	0.05	5.5°	1.8		1.3	0.5	90	- "
29-fan-93 1-Feb-93					7.9					‡				:	· · · · į		- 1-2-	·÷	:				
4 Mar-93 6 Apr 93	Ţ			10.3	8.6		95 98	793 348	6.2	5 4.7:	39 429 78 219		59 14	189	22 5.2	0.13	0.3 0.2	0.2		0.3	O		
4-May-93	1	- }-		14.5	6.2	9.8	97	544	2.6	6.1	38 437	48	37	279	9.8	0.07	D.4			1.			
1-Jun-93 7-Jun-93	÷	i	<del></del> .	[3.4 2].5	7.0 7.0	8.8	100	235 656		6.4	120 IBB 42 399	30	12	31 134	0.5 10.1	0.04	0.9	0.i	: .		. 1		
1-Scp-93 1-De: 93	÷	- }		- 18.3 5.6	7.2 3.2		95	580 1114		7.2	27, 444 48 669		24	178 450	1.2	0.07	0.9	0.2	. :	2.4	1.7	106	19
4 Jan-94 1-Feb-94	4	-+-		4.4	7.9 7.1		96 96	510 494		5.6 4.5.	16 2 <b>9</b> 9 43 355		17 20	102	14.8 5.9	0.03 0.07	1.2 0.9	0.8		0.5	ьí	63.5 68	10.5 12.1
28 Feb 94				1.9 12.0	7.8	13.7	108	384 257	7.5	3.4	56 210	33	10 10	95. 37	4.6	0.01	0.7	0.6		0.4	0.1	46.2 40	11.7
5-Apr-94 3-May 94				14.2	8.8	9.0	96	212	3.7	5.1 3.6	45 117	23	7,	30		0.02	0.5	!		0.4	0.4	36.1	J0.9 14.6
22-Jun-94 5-Jul-94	1	. !		19.3 25.5	7.6 8.1			6061 595	17.7. I 5.8	5.2	48 373 404		21 <sub>.</sub> 24	140.	10 2.7	0.16	3.3	0.1		0.4	0.4	72.1 42.1	17 35.3
2-Aug-94 6-Sep-94	-			20,4 22.0	7.5			755 609		8.6. 3.8	31 483 32 470		15 22	173	16.8	0.9	4.3 7.4			0.6	0.4	64.Ł 64.	24.3
4 Oct-94				22.2	7.2	9.4	1 (0	758	1.9	2.2	613	33	29	510	1.3 0.8	0.03	9.2			0.4	0.4	101	17.6
1-Nov-94 1-Dec-94	d le			15.5 8.3	1.4	9.7	81	447: 744;		5.2	317 434	56	20 39	66 167	34.2	0.05 0.03	3.1	0.5	. :	0.2		74.1 64.1	6.1 23.4
3 3an 95 1-Feb-95	+ -	- 4.		6.9 8.0	7,6	11.2		207	2.1,	9.3.	166 239	30	7 35	40 52	0.4 2.6	0.01	1.3 0.6	0.1		1.6	0.2	37.4 54.3	3.4 7.7
1-Mar-95	.F			7.6		10.4	98	178	2.5	2.2 1.9	195	38	13 6	33 25	1.3 0.1		1.1	0.1 0.02	• • • •	0.3		43.4 34.4	3.3 5.5
4-Apr-95	4	- ;-		10.9	8.0	11,1	99	234	3.4	7.2	249	(1)	1	37	13	- 1	0.6	0.1		0.1		38.4	10
3-May-95 1-Jen-95	1	- i.	 	12.4 18.5	7.7	8.8	97	255 342	4	7.8,	150 201	36	13	50 53	0.2 4.9	0.02	0.7 1.5	0.1 0.2	:	0.1	0.04	43.9 56	10 12
4-Jul-95 1-Aug-95	!	- :	- i	19.3 21.0		7.6	82	476 625		2.4	325 424		13 28	78 121	11.2	0.05	[.l]	0.3	···- •	0.4	0.09.	70.4 74.2	8 5 18 6
5-Sep-95 3-Oct-95				18.2 11.6	7.6	9.4	100 100	593 500	4.8	3.4 3.2	210 345	35	29 17	46 95	2.1 1.3,	0.06 0.07	6.1 4.5	0.98	:	0.36 0.26	0.3	61.4 81.8	11.3
1-Nov-95	:			14.8	7.6	10.5	100	688	3.1	4.2	510	63	12	186	2.1	0.04	5.6	0.5		0.28	0.26	99.9	17.9
1-Dec-95 3-Jan-96				9.9 5.4	7.7	1 12.4	100	505 195	3.9	7.2  3.3	324 145	231		140 34	25.2 0.8	0.02 0.02	3.2 0.9	0.1 0.1	i.	0.1 0.1	0.7	72.6 34.4	13.9 4.6
1 Feb 96 5 Mar 96		- 1		2.1 3.3	8.0	12.2	90	340 330	3.4	4 3.5	240 211	28	12	40 65	1.6	0.01	0.6	0.3	- ;	0.02	0.9	57.3 45.8	11.6
2-Apr-96		- :		8.4 13.5	7.0	113	100	185 205	1.5	6.4 6.4	130	66	S	31 32	6.0 8.1	0.01	0.8 0.6	0.2		0.07	0.04 0.02	49.6	3.4
2-May-96 3-Jun-96	: 			18.6	8.4	9.4	99	318	2.1	4.8	224	39		33	0.4	0.01	1.4	D.1		0.03	0.05	43.9 74.4	6.9
2-Jul-96 1-Aug-96				19.0 18.5	7.1	8.8	95	733 793	8.7	3.4 5.3	605 494	18	28 27	256 32	6.6 9.4	0.03	3.4 4.5	1.1		0.13	0.02	124 38.1	15.1 18.2
3-Sm-96 1-Oct-96		:	- 1	18.8	7.1			\$74 358	1.6	3.9 3.4	239		26 13	42 44	0.9 0.7	20.0 10.0	5.8 1.1	0.4		0.05 0.04	0.04 0.03	49.6 60	19.7 19.4
6-Nov-96	 		1	12.9						3.7	360		27	72	6.79	0.02	. 1	0.6	:	0.12	0.13	88.2	12.2
coin	.: '	7,4	0.0	6.0	3.2		34.0			1.2	16.0 117.0		5.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	220	2.0
max ave		7.4	27.2 12.0	25.5 12.5	7.5		114.0 86.7	1114.0 464.8		6.8	120.0 3065.0 44.9 360.6		59.0 17.9	450.0 105.6	34.2 5.6	0.9 0.1	40.0 5.6	2.0 0.3	0.0	9.E 0.5	3.9 0.5	124.0 62.5	35.3 13.3

<sup>\*</sup> I: Dissolved Oxygen

<sup>2:</sup> Oxygen state ion in water

<sup>\*4:</sup> Oxidizability (permanganate

Banska River (Station No 30060393)

Deta	Q	T.,	Tve	Ph	DO 1	DO., '	EC.	BODS	Oxid <sup>17</sup> (perman)	COD	DS	ss	Ĉĺ	\$64	NH4-N	NO2-N	NO3-N	PO4	HIIS	Fe	Ma	Ca	Mg
	(m3/s)	(C)	_(C)		(mg/L)			(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mp/l.)	(mg/L)	(mg/L)	(me/L)	(mg/L)	(# <b>1/L</b> )	(mg/L)	(upl)	(mg/L)	(mg/L)	(mg/L)	(au/L)
10 Feb 93	,		32.3	7.1		\$18351	326	15.8	20.4		795	65	85.1	59.5			0.57	1.5		0.48	0	97.6	46 6
F2-M≥(-93			9.5	7.5		40.9798	1223	78	23	58,	623	64	92.2	56			0.27			0 24	0		
7-Apr-93			19.3	7.6		11.3609	1413	92	48	124	691	63	78	63			1.22	12		0.46		68.9	36
12-May-93			18 3	7.3		24 7362	456.5	30.5	14.1	41	299	28	16.7	62.1			0.81	0.78		0.88	0.16		16.5
16-fen-93			25.4	7.3		3.21278	888	58.2	21.6	40	612	65	62	65.5		0.024	1.55	4.8		0 26	0.3	86 6	
13 Jul 93			25.4	7.6			906	27	10.4	49	555	34,	40	109		0.051	1.95	3.06		0.62		63.1	, 36.4
11 Aug 13			21.5	7.9			800	26	116	51	508	38,	46	92			2 05	5.4		0.46			
8-Scp-93			17,7	8.1		3.03944	1326	3)	27.2	64	835	116	68	124			2.3	3.9		0.28		67.7	54.1
13-04-93			21.9	8.0			1122	45	16.64	. 56	534	39	_70	95			0.64	4.8		0.24			
14 Dec 93			9.8	7.9			1195	10.8	12.4	16		26		74.5			0.57			0.46			
11 Jan 94				7.8			1152	24.2	12	. 54		41	69				2.5	1.86		0.22		. 93	24.3
3 Feb-94			16.0	. 2.7			1222	39	10.8	1		108	à.,	87.5		0.016	0.02			9.14			
9 Mar 94			127	7.6		48.5141	1 506	7.5	201	48	608	. 37	81				1.9			0 28	0.05		31.1
6-Apr-9-			17.1	7.5		9.04419	B16	3.11	. 13	42	:	218	40 3	. 93		0.01	1.42 0.06			0.38	0.12		
5 May-94			19.0	7.4		57.6458	672.8		- 2.2	- 44		102	70	130			1.69			0.36		108	35.5
£∙sun-94			18.9	. 7.7		45.2418	1199	36	!!!	56			78					2.07	:	0.34			. ,,,,,
13 Jul-94			23.2	7.8		4.15154	984.4	10	112	66		95	78			0.02	1.58			0.02			
4-Aug-94	-		29.4	7.9		1.05029	1059	53	17.6	95		. 95	78							0.02			
7-Sep-94			26.2	7.9		9.63991	901.7	32	15.7	50		46	78	95						0.02	0.10		
13 Oct-94			17.2	7.4		24.1515	1484	18				+0	• • • • • • • • • • • • • • • • •	81.7			2.01 1.43			0.14	0.74	1.	
9-Nov-94			12.7	7.8		31.7208	1208	23 16.5	28 10.4			89	60.7	61.1						0.16			
14 Dec 94			18.8	7.9				16.5	99	40		. 4)	24.8							0.31			16.3
E1-Jan-95	1000		10.5	7.6		64,1876	682 571.2			62		36	38.8		0.14					. 0.1			
9-Feb-95			13.4	7.6		72.6584	930.7		6.1		٠.	98	35.4	93.7						0.01			
9-Mar-95	-		11.0				619.1		4.96			86	17.7							0.17			
12-Apr-95			. 14.4	7,3 7,6		71.2517 80.1718	1004		6.4	137	137		45.6							0.2			100
10-May-95			15.3			11.8086	1065		17.2		707	18	106							0.3			
6 Jun 95			15.7	7.4		61.0383	1048		10.4				53.2							0.29			42.6
4-Int-95			220	7.5		67,6736	1007		5.1			74	49.6							0.12			
7-Aug-95			26.1	7.5		64.2685	892.9		4.4		730		26.6										• • • • • • • • • • • • • • • • • • • •
6-Sep-95			18.4	7.6		04.2003	1196		8.4											0.02	0.00		
15-Nov-95			20.3	1.4		73.027	1168		10.3			70	104							0.74			
6-Dec-95			[4.5	7.3		77.1637	1105		5.36		191	54	23.4							0.27			
10-Jan-96		- 1	14.5	13		78 1283	1013		5.6		611	48	42 5							0.09			- '
6-Feb-96		-	8.9	14		60.5443.	1076		7.44			58	42.5							0.06		98.	18
6-Mar-96			13.8	· • • • • • • • • • • • • • • • • • • •		61.4405	875.4					35	49.6							0.05			
9-Apr-95			16.9	8 2		113.234	661				374		46.1					2.13	k.	0.07			
8-May 96			22.3	7.		17.5861	887					. 36	24							3 0.7	0.3	88	23.
4-Jun-96			24.5	7.		34.7537	872.9				626	14								0.00			8 T
9 Jul 96			25.9	1,		6 49 2739	943.2				673		49.0								0.0		1
9 Aug 96	• • • •		23.2	···· 7		6 37.7896	925.3				713		83.					4.25		0.1			30.
1-Sep-96			22.7			3 56 2775	1121													0.28			
10-On-96			16.5	··· i			1304													0.11			1.
13-Nov-96			15.5	7.		14,9096	1266													0.11			24.
4-Dec-96			18.3	. 7			902.5																* **
4-10/10-30				• • • •								ą · -		- :-:::	100				7 7	,		77.45	* "
min			8.9	7.0	Ü.1	1.1	456.5	5.0	4.4	28.0	137,0	10.0	16.	42			0.0	0.0					
max			29.4	8.7						137.0	835.0	219.0	106.0	1638	0 9.	6 - 12	9.1	6 5.4	. 0	0.9	0.1	7 - 2022.0	
ave			18.1	7.6			1030.3	28.9	13.1	55.8	576.4	59.3	36.	130.	4 1.	0.	12	9 2.4	i 0.	0 0.3	3 0.1	129	30

<sup>\*1:</sup> Dissolved Oxyges

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*3:</sup> Electric conductivity \*4: Oxidizability (permanganete)

Starata River (Station No 30060104)

Data	Q (ml/r)	T <sub>ak</sub>	f,		h	(mg/L)	DO <sub>SP</sub> 1	EC.	BODS	Oxid** (perman)	COD <sub>a</sub>	BS (mad)	SS (mad) (				NO2-N N		PO4 (mg/L)	HIS (mg/L)	Pc (mg/L)	Atn (mg/L)	Ca (mail.)	ht:
Jan 87 -Feb-87	(m3/x)	(C) 1.0 8.5		00	7.8 7.8	(a.v.l.) 6			(mg/L)	(mg/L) 12.3 13.6	(mg/(.)	20 789	(mg/L) ( 712 97	mg/L) ( 23	ing/E) (/ 304 159	0.82 5.94	(mg/L) (	9.6 1.52	(mg/L)	(my.L)	0 03 3.75	(mgc)	(m.L)	(mg
Mar 87 Ace 87		6.0 8.0		2.0	6 B 7.8	6.	, ,	9	355	52 2 13.9	:	2352 256	37 728	98.7	1376	43.1 0.68		10.1	:	0	0.11	0	328	
May-87		23.5	. 2	6 2	80	2	) F	ť	86	14		446	54	139	162	9.39		1.62 0.98	•	o`	0.53		70	
Jul 87	• • • • •	25.0 24.0	ı	8.0	7.3 7.6		3	B	483	51.2 6.9		700 444	52 104	40 48	174 110	18 2		1.4		Ų	0.48	o .		
Aug 47 Sep 87		25.8		9.4 4.5	7.5	0. 0.	9	6 .	84 55.8	19 64		665	69 974	120	154	6.66	1	1.27 3.36		0.51	02)		27	
Oct 87 Dec 87	1	13.0		00. 14	2.5 6.8	5. 6.			32	7.3 10.8		548 678	72 56	38 42	243 287	13.5	:	16 53.3	:		0.17	. O.	81	
Dec-87 Jan-88			1	2.0 2.0	7.4	0	3	0	53.8 69.8	58.4 78.4		682 740	167 187	;	• •	53.2 28.5	:	14	er í	0.12	oʻ			
Ian 88 Ian 88	1 - 1	8.0	, i	3.0 3.0	1.7	4.	1	5	60.1	19.9		156 658	216 184	25	288	01 56.5		1		0.02	0.03	Ö		
Feb 88			,	3.0	7.8	2.	2	5	67.7	91.2		754	160			22.4		[4.56		0.02	0		03	. :
Feb-81 Feb-18	i	. 68	, <b>1</b>	18 20	7.8 7.7	3.	. 3	,	26 45.5	16.8		752	170		169	6.24 66.7	2	0.84 7.56		0.03	0.36 0		- 92	
(ar 88 Mar 88	-			8.0 2.5	7.6 7.8	0.		7 O	35.3 29	50.2 42.4		754 630	273			67.8 32.9		22		0.04 0.02	0	٠.		
Apr-88 Apr-88		11.0		7.0 5.0	7.2 0.5	0.		9 8	55.4	69.6 7.9		720 540	172 44	16	49.3	33.3 0.19		7.5 23		0.12	0.04	· o		
Apr -58 (sy-88			. 1	#.S 9.0	7.9 7.6	0		0	32.1 28.2	99.8		784: 614	128	.,: 1		50.5 39		1	:	0.12	0.22			
May 88				9.0	7.7	0	0	0	22.4	40.4		1048	163			124		0.78		0.08	0	-		
May 88 Jun-88		19.8	2	0.4 2.6	7.5 8 2	1	8 2		20 IS	18.3 42.4		794 578	54 120		228	9.43 41		1.32		0.01	0		91	
Jul-88 Jul-88	$\epsilon \epsilon$	38.0		9.0	7.2			6 0	43.8	8.5		664	5.34 263	** :	144,	0.328 E0.6		0.2		0.01	0.095	0.165		
Aug 88 Aug 88	1	33.4		3.8 1.0	7.9	0		9	120 12.5	42.4 39.3		562 628	67 45	61	106	57.4 23.8		2.42		0.06	0.21		69	
Scp-89 Oct-88				1.0 6.0	7.6 7.6	0		0	55.2	64 5.4	!	466 400	380 140	230		31 0.18	- 4	_ · [		0.06	0.15			
Oct 88		14.0	!	7.0	7.1	<u> </u>	0	0	16.4	26		534	182			50.7		10.8		0.1	0			
Oct-88 Nov-88		5.0		2.0 3.4	8.5 8.0	0	8	D 7	25.25 160	17.1		572 596	182 94	12	100	32.4 4.63		063		0.01	0.26		70	-
Nov-88 Nov-88				4.0 1.5	7.3 7.9	2	3 7	0	48.4 46.62	64 54.6		\$10 516	127 97			40.5 B.I		20.3 3.8		0.03	0			
Dec 88		4.0		20 3.0	7.6 8.2	, , ,		.5 .6	12.4	17.2 13.5		528 492	115 28	35	276	0.8	1	10 31.8		0.07	0 76	0		
Jan-89 Jan-89				0.5 2.5	7.2 7.6	8	1	6	12 B	27		438 600	35' 72			3.2 37.6		25.4 14.5		0.04	0			
њ 89		1		2.0		0	0	<u>o</u>	18.4	22.		512	148			44.8		6.8		0.04	0		,	
Feb 89 Feb 89	-	11.4		3.5 5.4	7.6 8.0		5i	(4) (4)	12 186	22.8 3.6		602 702	22 90	<u> </u>	20.5	7.38		9.2 1.2		0.11	0.17	<b>-</b>	76	
Mar 89 Mar 89		1		4.0	7.5	. 0	0	0	13.4	25.6 19.2	1	656 530	56 53			33.6 22.1		14.77		0.04	0			
ter-89 Cay-89		+		6.0 8.0	7.6			0	24.4 30	27.5		548 536	299			31.3 40.5		6.75		0.04	0	. '		,
May 89 May 89		19.2		9.0	7.7	. 0	3,	3,	142 56 1	17.		644 638	98 122	10	214	10.2 57.2	1	0.1		0.04	0.34		23	
un-89		a and a car a a second		1.0	7.7	0	O.	0,	23.4	35.2 7.58		588	148		د. د. د. المناب	5t.3		24.3 22	0.22	0.04	O,	٠		
ful 89 Jul-89		22.0	3	0.0	7.8	. 3	7	9	17.4	28.1	Ÿ	640	72	40	212	43	· .	2.16	0.22	0.19	0.18		٠	
Aug 89 Aug 89		78.0		0.4	7.8 7.3	<u>\$</u>		i3 i9:	11.36			298 684	475 81	102	157,	6.56 62.2		6.91 2.7		0.06	0.36		91	
op 89 Oct 89				1.0	7.6			0	23.07 12.1	34.1		968	107			45.3 98.8		17.82	,	0.28	. 0			٠.
Oct 49 Nov 49	-1	24.0		1.0	8.0	2	5 3	0.	19	4.		517	61 66	43	387	7.5 151	1.16	48 44.55	0.14	0.39	0.43	0		
Nov-89		8.6		2.8	7.0		6	) 0	21	13.	1	1375	105	41.	818 373	6.64 85,1		2.02 75.6		0 06	Ó.49 D		93	
Dec 49 Dec 49		7.0		3.0	- 7.4 7.5		.i.	O,	25	41		1020	123	46	3/3;	136		73.0		0.14	0			
Jan-90 Jan-90		0.0		1.0	7.3			0 16. 3	32	5 2		1350 B00	77 3 <b>46</b>	43.	752	89.1 0.26	0.07	31	0.21	0.	0 05			
Jan 90 Reb-90		7.8		3.0	7.8			0.	20.1	29 14		636 737	64 36	63	224	54.6 4.51		4.31 8.96		0.01	0.29		88	
Feb 90				135	7.6 7.9		0	0	19.67	40.1 36.1		730 687	62 113		- 1	52.9 50.6		10.35		0.02				:
Feb 90		**		13.5	7.9	0	O .	Ŏ	1924	. 4		102 666	95			50 38.8	:	11.5 5.75		0.03				
Feb 90 Mar 90	)	* * *	1	14.5 15.0	7.6	0	0	0	28.4 45.8	39. 6		640	105			47.4		2.3		0.12	0	٠		
Mar-X Apr-90	)	15.0		16.5 17.0	7.9		.0 .4	0 (3	48.5	2.7		720 560	188	36	242	44.7 0.48	0.64	6.32	0.1	0.04	0.016			-
Apr 90 Apr 90		<del>-</del>		17.0 17.0	- 7.9 7.9		0	0 1340 0 1340				826 826	270 270		294	56.1 56		20.13 20.13		0	0			
May 90 Fiel 90		7.2		11.8	8.0 8.5	) [	.3	12. .6	. 146 30.4	39		488 638	183 146	83	197	7.38	•	47,73 9.19			3.68		. 19	
Jul 90		30.0	(	21.0	7.4		6	21	1	3.3	<u> </u>	540	100	.40	109	0.18	0.96		0.33		0.19	0 29		
Jul 90 Aug 90	)	23.0	),	20.0	7.9 8.2	2	6	24 27	58.6 76	1.		750 479	168	31	240	56 6.18		1.42 2.02		0	0.16		53	
Oct-90 Oct-90				21.5 19.0	7.6 7.6		0	0,	ļ	74. 45.		752 568	376 159			101		13.78 8.94		0.03	0.14 1.37			
Nov-90 Nov-91		ī., .		17.0 13.0	7.4			99 <b>89</b> 1 97 555				614 427	119			0.34		0.57		0.23	0.95	:		
Dec 90	)			13.0	7.7		0	0 873				772	103			52.1 20		34.75 21.5		0.05	0			
Jan 91		11.1		12.0	8.0	) 1	0 5	3 1144	2.	34.0	š	754	166		1	54.8		27.4			0.78	• •		
5ac 91 Feb 91				2.5 4.0	7.5 1.1	1 12	9	98 547 98 620	).	2.4 4.9	5	466 462	16			8.0		, LH		0	0.44	٠.		
Feb-91 M= 91				10.0	. 15 15		9	0 1835 71 975	143 6	20.3 13.9		676 664	149 96			43.1		13 22		0.01	. 0			
Mar 91 Apr 9				5.0 17.6	#.I 7.6	L i iz	5	97 616 6 955	0.1	2.1		450 666	23 129	:		0.21 40 2	:	2.3 5.74	,	0.01	0.5			
May-9 May-9	1	18.0	ï	18.4 17.0	7.1	1	7	28 15 871	9	16.		538 628	140	29	162	5.41 24.7		26.35 1.15	- :	o	0.31		79	
191-91				20.0	. 7.	€€	0	0 1035	<u> </u>	31	6	566 479	200 15	32	146	60.9		50.59 1.37		0.02	0.43		78	
Val 3	1	24.1		71.8	7.1	, (	8	0 105		2	4	646	96		. 40	44.5 32.3		14.4		0 0£ 0.52	5.13			
Sep 9 Oct 9			11	20.5 18.5	6.1 7.5	9 1	0	32 1001 10 852	12.0	17.	2	826 572	71 8)		- :	109		33.06 5.75		0.52 0.02	1.0)			
Nov 9 Dec 9	1		)	6.6 3.0	8.0 7.0			16	20			507 554	129 48	60	202	9.42 23.9		1.68 12.5		0	0.79		83	
Feb 9	1	140		15.0 15.0	7.7			25. 0 794	33	13.	2	719 574	26 79	44	198	7.37 24.7		49.15 9.2		0.06	0		83	
Apr 9	2		1	12.0	6.0	6 (	13 :	3.1 900	13.	19.	7.	652 666	46			27.6		17,83 12,08		0.02	1.13			-
May 92 May 9	2	17.0	6.	14.6 17.2	7.5	š - 1		0 96; 80	2	2	3	672	114 156	104	125	6.1		1.03			0.34		68	į
Jan 9. Jul 92	2	35.0	0	18.0 24.0	7.1	\$ (	5.5	26 757 87		12	3	512 364	61 64	34	189]	0.33	1.84	11.5 11.4	0.07	0	0.09	0.26		
5-Jul-97 Aug-97	ł .			19.0 23.0	7.5	5 .	1.9]	54 698 53 718	1	22	4	492 574	44 54			15.3 10.9		6.32 4.59		0.02 0	0.63 0.69			
Ave 9	2	30	5	22.0 17.5	8.1 7.4	\$ (	0.5	5 29 63	144	22		493 506	49 77	6	10	6 55 6 34	,	1.74		0.23	0.14	0.51	53	
Oct-9	2	159	0	17.0 17.5	8.) 7.	0 (	0.6	6 75		0.	8	456 462	344 115	28	111,	0.26 [6.8	0.49	21.6	0.18	0.02	0.07	0		
·~~																				V-02				
Oct 9 Nov 9	2	10.	U	7.0	7.5		1.4 ) 0	22 0 - 650	42 i			240 585	48 41	40	7	8.43 21.2		1.7		0	0.15	0.09	47	١.

Starata River (Station No 30060104)

Data	Q	T,	T.,,	Ph	DO'T	DO,,,,1	EC	BOD5	(perman)	COD <sub>4</sub>	ns	SS	Či	504	NH4-N	NO2-N	NO3-N	POH	HES	Fe	Mn	C.	Mg
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	(m3/s)	<u>('C)</u>	(°C)		(mg/L)	(%)		(mg/L)	(mg/L)	(mg/L)	(mg/L)		(mg/L)	(mg/L)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/l.)	(mg/L)	(mg/L)	- (mg/L
9 5.6 93			8.5	8.6		18	789	20	74		316	21			18.9		12.1		. 0	0.29			
12-Mac-93			15.1	8.1			989	24 5	30		725	75			21.8		12.27		0	0.45			
6-Apr-93			14.0	7,8 7.5		10 23	792 701	19.5	15 36		656 590	47			. 13.8				S	0.17			
13-May-93 14-Jun-93			19.5	1.1			751	8.1	10.7		500	. 65			. 9.2 109	0.41				0.62 0.05			ar er
12-Jul-93			21.0	7.4			728	35.7	496		484	279			11.5	0.07			0.07	0.86			
17-Aug-93			20.8	7.5			655	45	56		428	56			12.6				0.01	0.14			
21-Scp-93			188	7.3			753	38	48		462	140			14.9					0.4			5 5 5
21 Sep 93			16.5	7.5			308	2.6	6.72		206	21			0.57	0.03					• •••		
12-Oct-93			19.8	7.0			737	56.8	76		480	135			19.5				0.01	0.05			
9-Nov-93			172	8.1			853	19.85	28.8		539	65			26.9	0.44	3.68		0.003	0.41			1
13-Dec-93			7.0	7.4	5.0	49	925	7.2	16		605	50			15.5	0.45	1358			1.8			
18-Jan-94			128	8.0	0.0		966	27.2	34.4	. ,	645	37		188	37.4	1.1	6.74			0.9			
16-1-6-94			9.5	7.8			891	21.2	30.8		592	79			10.8	0.42	13.16			0.6			
16 Mar 94			15.0	7.6			935	45.41		103		129			15.5	0.9			0.07	0.45			
12-Apr-94			15.9	7.6			1065	25.5	J4 B	89		48			13.2	1.06				0.12		,	
5-May-94			15.5	78			919	7.37	16	135		65			23.4	0.6			0	0.48			
14 Jun 94	4 5		19.7	7.5			415	10	15.4	89		38			19.6				. 0	0.14			
29-Jul-94			20.0	7.7			732	8.7	144	39		50			2.43				,	0.19			
22-Aug-94			21.6	7.5			916 921	39.7 14.32	16	102 71		91			21.8	0.56			0.02	0.26		4	40
6-Sep-94 4-Oct-94			20.5 20.6	7.5			878	8.7	15.2	109		. 70			20.7	0.68			0	0.79			.i,
10-Nov-94			14.7	1.1			1263	67.7	62.4	216		106			18.6				,	0.19		<del>!</del>	
6-Dec-94		1	11.0				901	6.8	13.1	61		48	e de la		14.4				ļ y	0.19	1	÷	÷
12-1an-95	***		11.4	7.5			968	9.6			740	81			5.3				<del>-</del>	0.19	ļ	† -, - ·	·
21 Feb 93			11.6				1026					79			21.7		13.2		·	0.79			· i
21-Mar-95	** ** * *		13.6	7.4			1093	12.5	22.9		598	157			32 2					0.31	<del>.</del>		1
12-Apr-95	* :		11.6				800					167			16.7				0.02	0.26			. j
9-34ay-95	• · · · · · · · ·		190				954	30.8	44		540	20			32 2					0.28	:	1	4
20-Jun-95			21.6	7.0	1.9	22	818	. 15	20.4		506	7)			24.4	0.84	1		1	0.24			1
6-ful-95	***		19.6	7.	1.8	18	801	182	25.6		616	85			14.6	1.14	4		4	0.28			
2-Aug-95			20.0	7.0	1.7	22	940	42.1	64		666	77			32.8	1.83	7.19		T	0.05		· · · · · ·	1
11-Sep-95			20.5				982				532				49.5				1	0.2			
17-0-1-93			18.6				817				580	270			29.6					0.07	<b>.</b>	ş	4
16 Nov-95		-	16.2				907				648	59		: 	56.8				<u> </u>	0.14			4
14-Dec-95	:		14.1			26	1090					62		ļ	59.3					0.02			
4-120-96		1	10,7				1875					80			132					0.57		ļ	ļ
26 Feb 96			10.1				810								13,1				ļ	0.17		i	4
13-Mar-96	وبسيان		9.7				938				660	65			325				ļ	0.05		ļ	4.1
18-Apr-96	9000		20.3			38	985 781					44			34.5 54.7	4.06			·	0.08		į	de a
14 May-96 18 Jun-96	·		18.9				952			120		43 80			37,1				·	0.31		·	
16-151-96		-i	19.9								600			<del>}</del>	221				·	0.25		·	
1-Aug-96	· · · · · · · · · · · · · · · · · · ·		22.5									71		j	21.6				0.01			· ;	4
26-Sep-96	,		19.5											į	42					0.15			
17-Oct-96			17.2											<u> </u>	14.0				1	0.13			
21-Nov-96			16.3				842					70			18.7	1.84			1	0.36	[		7
17-Dec-96			13.3						21						27.3				1	999		•	1
	:			r , :		1.50							1		1.2.2	177.05	; · · · · · · · · · · · · · · · · · · ·	[	177.3	1. 11. 2.	1	17: "	377
min	4 2	0		6.6	0.0	0.0	3.0			34.0		4.0		7.0									
max		35.	0 24.0	8.9	33.5	98.0	1875.0			354.0	1373.0	475.0				8.0	75.6	0.1	G.5	3.1	6.5		
ave		17.	5 15.8	7.1	2.5	24.5	852.5	29.5	27.5	110.	627.1	103.3	45.5	241,6	31.5	1.0	11.3	0.	2, 0.1	8.7	0.2	74	.5 20

<sup>•1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*4:</sup> Oxidizəbiləy (permanganæe)

Sazliyka River (Station No 30060330)

Data	Q	T <sub>at</sub>	T.,,	Ph	DO <sup>T</sup>	DO,,	EC	BOD5	Oxid (perman)	COD,	DS	88	CI	SOH	NH4N	NO1-N	NO3-N	PÓ4	HZS	Fe	Min	Ca	814
	(m3/s)	(°C)	(°C)		(mg/L)	(%)		(mg/L)	(mgl)	(mg/L)	(mg/L)	(aus/L)	$(m_2/L)$	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(m t/L)	(mg/L)	(mg/l.)	(mg/L)
6-Aug-92			23.0	7.7	5 2		577	12.8	16.8		478	148			3.63		5.16			0.43			
17-S-p-92			17.0	7.6	8.2			10.2	12 8	, -	396	54			0.23		2 89			0.12			
19-Oct-92			15.0	7.5	4.3	42	601	6.0	11.2		668	67			0.86		9.2			0.65			
16-Nov-92			7.0	7.5	5.7			4.5	6.4		628	. 28			0.57		9.77						
3-Dec-92			.7.5	8.0	7.8		829	2.96	4.48		668	87			1.72	0.21	7.55			0.02			
20-Jan-93			3.0	7.8	8.9	66	844	3.7	7.04		560	34			26.4	0	0.12			0		•	
9-Feb-93			7.5	6.3	8.7	72	239.	6.8	9.92		652	69			3, j2,	018	2.17			0.24		•	
12-Mar-93			10.2	8.2	6.2	54	1001	6.3	8.8		110				4.03	0.45	5.36		1	0.19			
6 Apr 93			14.0	8.4	1.3	13	940	9.4	12.48		650	7			5.75	0.54	1.46	•	ï	0 19		٠.	
12-ful-93			21.8	8.0	3.8	43	636	5.8	9.76		512	23			1.15	0.11	2.22			0.19			•
12-0:1-93			17.7	7,4	2.5	26	873	14.5	24.4		570	50			2 29	0.48	1.05			0.17			
13-Dec-93			7.6	7.7	7.4	82	1012	3.6	5.48		636	31			2 87	0.19	6.27		1	0.29			
18-Jan-94			8.0	8.0	5.9	. 49	1058	8	152		610	32		90 \$	2.3	0.06	7.27			0.4			
12-Apr-94	1		14.5	7,9	4.3			10	19.2		700	31			1.15	0.4	5.24			0.09			
29-311-94			21.0	7.5	45	46 50	704	7.2	11.8		490	i to			1.72	0.69	1.05		0	0.17			
12-Jan-95			6.9	7.9	7.2	59	1038	7.2	12 8		754	31			1.15	0.33	10.7			0.14			
12 Apr 95	1 ,		9.6	8.5	6.5	32	1070	7.2	12.6		734	40			2.3	0.29	6.21		•	0			
6-1-1-95			20.9	7.5	2.7		635	7.2 13.5	20		448	30			3.07	611	2.48			0 12			
17-Oct-95	4		15.4	7.8	5.3	54	906		8.5	[4.4	640	1 29			2.95	0.26	3.04			0.05			
4-540-56			4.2	8.8	11.4		798	8.1	16		570	57			0.63	0.04	1.03			0.36			
18-Apr-96	Ť		10.0	8.0	7.3			5.3	10.4		750	. 24			2.2	0.72	8.53		: '''	90.0		•	= -
16-1-1-96	,		21.3	7.9	4.8		553	5.2	13		372	37			0.8	0.27	2			0.16			
17-Oct-96			14.9	8.3	5.6			9.8	13.9		700	30			1.92	0.36	8.03	-	1111	0.08			
17-Dcc-96			8.9	8.2					10.4	37	694	37			1.37			27.5		999			
											•••					- 0.40		-					
cein	0.0	0.0	3.0	7.4	1.3	13.0	239.0	3,6	4.5	14.4	372.0	7.0	0.0	90.3	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	( a)
max	0.0	0.0	23.0	2.8	114			14.5	24.4	37.0	754.0	148.0	0.0	905		0.7	10.7	0.0	0.0	0.7	0.0		
ave	*DIV/O!		128	7.9				7.7	12.3	25.7			eDIV/O	90.5		0.3		DIV/O				#DIV/0!	

<sup>\*1:</sup> Dissolved Oxygen

### Sazliyka River (Station No 30060331)

Deta	· Q	T_	T.,	Ph	DO	DO"	EC	BOD5	OH!	CODe	D\$ :	SS CI	SOM	NH4N	NO2-N	NO3-N	PO4	H2S	Fe	Ma	Ca.	М
	(m3/s)	උට	; (C)		(mg/L)	(%)		(mg/L)	(perman)	(co.p/L) (cs	u/L) (n	ns/L) (ms/i	i i (ms/L)	(me/13	(me/L)	(mg/L)	(me/L)	(me/L)	(mg/L)	: . (me/l.)	(cag/L)	(ari
Oct-92			16.5	7.			0. 672		18.08	<u> </u>	504:	93	, ( <u>.</u> ,	6.61		6.9	(	( <b>y</b> .=/	0.65		(11) 2)	(44)
Nov-92	:		7.0	7.	7 6	5	751	11.2	14.4	1	754	94		2 29		9.77			0.1	•		
Doc 92	1		8.0	6.	9.	2 7	8 811	9.1	12.32	11.	552	76	4	4.59	026	7.75			0.12			
Jan-93			4.0	7.	7 3.3	2	6 962	22.1	30.4		634	36.		21.6	0.23	2.17			0.12			•
Mar-93	.i. (1. j		10.0	8.	3 4.6	4	0 1004	8.4	12.54		704	39		4.6	0.6				0.24			
Apr 93	1		13.5	8.	1, 3.1	5 3					564	83.	1	10.3	0.03				0.24			
May-93			15.4						12.96		802	26	د مد آن	2.3					0.84			1
Jun-93			21.5				0 1020			i	610.	55		4.02					0.05			
Jul-93	,		21.8					17			422	31		1.72					0.72			
Aug-93	i	1	21.2				0 615	15.1			424	54		1.14		2.53			0.36			
Sep-93	1		17.5					15			602	57		4 02					0.36			
Oct 93	1		17.6							l	624	40	. i	1.72					0.26			
lov-93			14.6					10	13.44	i	696	40		4.47					0 17			
Dec 91		محتدا	7.3								666	82	_i_	2.87					0.19		:	:
Jac 91			8.8				I. 1085	17.6			723	97	.4 12					: • · · · • • • · ·	0.44			
Feb-94			2.0					6.4			692	31	حجيب بأج	4.02					0.26			
Mar 94	4	1	11.3								676	78		1.14					0.43			
Apr 94	.i.,	• • · · · , — · · · ·	14.9							والأروان	718	50		1.71			4.61		0.05			
Luy-94			13.3							i	E06	37		5.13			:		0.48			
un-94	i		206				8, 917				600	39		7,47					0.21			ţ
Jul-94		L	20.7								494	34	ļ	3.44					0.33			
08-94	. i	:	21.9						18.6		472	52		1.72			:		0.17			
rp 94			20.4								596	70		5.17					0.91		· .	
kt-94	1.20		20.6				4 1038				700	17	-1	8.04					0.56			
lov-94			10.5								748	20		4.6					0.41			
ec-94			5.0				8 1047	6.5			630	35		5.18					0.26			:
Jan 95			6.5								792		Acres	2.3					0.02			
F-0-95			9.1				5 <sub>1</sub> 1166				804	. 29	. 1	2.3					0.22			
Mar 95			14.3				5 1196		15.5		700	72		2.87					0.24			
Apr-95		:	9.5				3 1070				736	51		3,19					0			
1ay-95	,		16.7								684	36		4.6					0.26			
Jun 95			21.5				1 1109				614	69		6.15				i	0.17			
1.95	.1	i	22.0			2					468	64		3.07					0.25			
ug-95		4	20.5				t 639				496	89		2.34					0.05			
Sep-95		1.	18.7								544.	73		1.5					0.31			
Oct-95			15.3		9 3		7. 951		16.6		670	23		3.53			,	,	0.05			
Nov-95		::: 1	13.7				9 1062				750	21,		4.54					0.05			1
Dec-95			9				5 1089				374	27		4.51					0.02			
an-96	2 20 20 20	2.1	6.7				0 870				615	95		2.43					0.43			4 .
Feb-96	i		5.				9, 910				672	50		3.45					0.83			
V× 96			8.0		2 8.		L 1128				794	32		1.6					1.0			1
Apr-96	Sec. 4		16.				1 1060				754	48,		1.83					0.68			
May-96			19.		7 4		2 1028				732	8		7.8					0.13			
Jun-96	9 1 1		17.				9 657				436	34		2.13								
141-96	. jan		21.		9 4		3 551				386	28	٠.	0.25					0.16		: .	
ug-96	200	:	224		9 4.		1, 585				410	36	1.	. 0.31				999	0.53 0.15			•
Sep 96			12.0	۶ ۶	.1. 5.		2, 897				374	92		2.30				ļ .				
Oct-96					5.		1 10				701	21	100	2.30					0.21	١.	V -	
Nov-96	٠		12.	٠, 8	O, . 5.	٠,	9 1096	i !!		50	670	, 63 <sub></sub>		9000	0.33	5.85			100			
	·		· · ·			,		3.2		26.0	386.0	***	0.00	0.1	6	0.0	. , ,	999.0	0.0	àc	í o	n.
mis			2.0								386.0 806.0		(0 122) (0 122)				4.6					
max		-	72.0	. 8.	9.7	76	0 1196.0	32.2	43.2	30.0	auto U	91.0.	CO 122.	v 21.8	. 1.1	19.4	4.6	777.0	0.9	0.0	9,	v

<sup>\*1:</sup> Dissolved Oxygen

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*3:</sup> Electric conductivity

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*4:</sup> Oxidizabilky (permanganate)

Sazliyka River (Station No 30060269)

late	Q	Т,		Tuy	Pb	DO	DO., 1	EC.3	BODS	Oxid <sup>1</sup> (permes)	COD	DS	SS	CI	SQ4	NH4-N	NO3-N	NOTH	POH	HIS	Fe	Ma	Ca	1.5
	(m3/s)		)	(°C)		(mg/L)	(%)		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/t.)	(mg/l.)	(mg/l.)	(m <b>e1.</b> )	(mg/L)	(mg/L)	(tng/L)	(mg/L)	(mg/L)	(mg/L)	(mg
Apr 89 Lay 89				160 165	7.3	0.			18 38 38 1	20.4 86.4		633				24 8 25.6		1.07		, . <u>0.1</u>				
May-89				220	7.3				32 15	42.4		698				65.3		19.44			0			
lan-89		•		200	7.6	3.5			145	24.4		980				33.4		30 24		, 0				;
Jul 89				250	7.4	3.	3 39		21.4	368		134				23.2		2.16		0 17		-		
ug-89				190	7.2	3.			10.84	17.6 23.8		686 737				27.6 34.5		3.4 14.58		0.12				
cp-89 3:1-89		-		20.0 19.5	7.7		1.		. 11.40	26.4		787				31.1		1.14		003				
) 1 59				16.0	7.4	2			12.1	23.6		434	66			72.4		216				•		
bv-89				15.0	7.5	0.	0 0		14	25.28		1060	60			69.7		8.1		0.19				
Dcc-89			3.0		8.2				13			976		49.6	451			17.62			. 0	ĺ		
an-90				5.0	7.4	0.			. 10			1151		. •		63 2		7.19		0.06		:		• •
Feb-90				100	7.5 7.8	0	0 0		183	28.8 25.6		77) 82				. 15.8		103		0.00	' <u>.</u>			:
Apr-90				13.0 14.0	7.4	4.		1200	18			97:				15.8		2.88		0.04				
Jul-90				21.5	7.6				23.5			766				29.5		0.34						
lav-90				14.0	7.5	0.	0 0					102	75			10	:	4.3	- D.	0.23	0.23			
Dcc-90	-			10.0	7.6			1204				91				25.8		21.55						
Feb-91				7.0	7.7							92				18.9 8.62		5.17 8.04		0.04				20
44-91				7.0	7.9		*		12.5			91				20.7		4.62		0.07				1
(pr-91 (fay-91				18.0	7,5	3.			12.3			69				12.1		0.86						
Jul-91				20.0	7.3							47	42			8.04		6.32	1	0.0	0.24	ř.		-
Aug-91			-	19.2	7.7	0.	.3 3.5	701	te	14.8		51	70			5.46		3.45					- 1	-
Sep-91		-		19.5	. 77	≥ 4	.1 44	891		14		63				6.9		3.46						:
Detail				16.5	7.5							86				15.9		2.14			1.03		٠.	
Dec-91 Mar-92				100	7.7							104 68			4, 4	10.3		6.33			0.91			ż .
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<sup>\*1:</sup> Dissolved Oxygen
\*2: Oxygen sturation in water
\*3: Electric conductivity
\*4: Oxidizability (permanganate)

Sazliyka River (Station No 30060105)

6.8 7.5 7.7 3.7 7.0 9.8 6.9 10.2 5.8 10.2 5.2 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 10.2 5.3 5.3 5.3 5.3 5.3 5.3 5.3 5.3	30 5 70 11 196 199 199 199 199 199 199 199 199	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 72 64 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	56, 427, 56, 60, 60, 60, 60, 60, 60, 60, 60, 60, 6	17. 3 15. 14. 7. 3 10. 13. 14. 17. 28. 18. 18. 19. 19. 19. 19. 19. 19. 19. 19. 19. 19	129 1 93 1 93 2 94 1 1 54 1 54 1 54 1 54 2 86 6 86 8 66 8 73 1 73 4 455 6 408 4 455 6 408 6 408 6 408 6 72 6 73 1 74 6 75 1 74 6 75 1 75 6 75 1 75 1 76 1 76 1 76 1 76 1 76 1 76 1 76 1 76		956 (50 d 50	172 82 92 15.5 15.5 15.5 15.5 15.5 15.5 15.5 15.	98 158 159 179 198 144 173 365 165 173 365 165 173 365 165 173 365 173 365 185 191 191 192 193 193 193 193 193 193 193 193	1.02 0.8 8.35	2 86 6 8 9 11 0 0 20 6 6 4 6 6 10 1 1 1 2 6 6 6 1 1 1 2 6 6 6 1 1 1 2 6 6 6 1 1 1 2 6 6 6 1 1 1 1	9.15 9.17 9.45 0.17 0.13 6.03	0.04 0.03 0.05 0.04	0.19 0.19 0.12 0.16 0.16 0.09 0.09 0.09 0.14 0.09 0.14 0.03 0.14 0.03 0.14 0.03 0.14 0.03 0.15 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09 0.09	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	mp/L) 7 205 116 0 141 149 151 150 150 142 142 143 144 145 147 147 149 149 149 149 149 150 150 150 150 150 150 150 150 150 150
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197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197   197  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  8.5   6.2   5.6   1100     10.1   8.5   6.2   5.6   1100     10.2   8.5   7.6   2.3   2.9   94.9   11     23.2   7.8   2.5   37   100.9   3     23.2   7.8   2.5   37   100.0   3     23.2   7.8   2.5   37   100.0   3     23.3   7.9   6.7   8.1   10.6   11     23.4   7.7   2.9   3.5   106.6   11     23.5   7.6   2.3   2.9   9.9   10.6     23.5   7.6   2.3   2.5   3.7   10.0   3     23.5   7.8   2.5   37   10.0   3     23.6   7.7   4.8   4.8   107.8     24.5   7.6   7.7   4.8   4.8   107.8     25.6   7.7   81.3   4.8   4.8   4.8     5.1   8.2   8.6   6.9   8.25	10.7   7.5   8.9   74   1500   10.2   18.7     9.1   7.9   3.2   28   1554   16.8   21.4     2.3   8.0   8.8   63   1569   12.6   23.4     14.1   8.1   4.8   4.6   141.6   9.1   16.8     15.2   7.8   2.1   2.5   133.5   21.1   10.0     15.2   7.8   2.1   2.5   133.5   21.1   10.0     15.2   7.8   2.1   2.5   133.5   21.1   2.5     15.2   7.8   2.3   3.4   131.2   5.6   8.1     22.7   7.6   5.3   60   116.2   10   13.2     22.8   7.7   4.1   4.8   131.5   5.3   7.1     22.8   7.7   4.1   4.8   131.5   5.3   7.7     22.8   7.7   4.1   4.8   131.5   5.3   7.7     11.5   7.9   5.4   50   133.2   6   12.2     6.1   2.8   7.9   6.1   47.0   6.5   13.4     9.2   7.8   6.1   5.5   132.9   10   13.4     9.2   7.8   6.1   5.5   147.6   9.1     11.8   7.7   5.3   4.5   147.6   6.5   13.4     10.1   8.5   6.2   5.6   130.0   9   13.1     11.8   7.7   7.3   4.5   142.6   8.1   1.1     10.1   8.5   6.2   5.6   130.0   9   13.1     12.3   7.6   7.2   7.2   7.2   7.2     23.2   7.8   2.5   31   10.8   1.1     12.3   7.7   7.8   4.5   4.8   10.8   8.2     12.3   7.8   4.5   4.8   10.8   2.8     12.3   7.9   6.7   8.1   16.2   3.8     12.3   7.9   6.7   8.1   16.2   3.8     13.3   7.9   6.7   8.1   16.2   3.8     5.1   8.2   8.6   6.8   8.7   4.1   10.1   19.8     5.1   8.2   8.6   6.8   8.7   4.1   10.1   19.8     5.1   8.2   8.6   6.8   8.8   7.8   10.1	107, 7.5   89   74   1500   10.2   18.72     94   7.9   32   28   1554   16.8   21.6     2.5   8.0   8.8   63, 1359   12.6   23.2     141   8.1   4.8   46   141.6   9.1   16.4   60     15.2   7.8   23   23   132.5   11.1   10.8     160   7.9   0.0   0   1344   48   76   712     22.4   8.0   3.2   34   131.2   5.6   8.16     22.7   7.6   5.5   60   1162   10   13.8     23.5   7.8   1.8   44   1280   7.14   9.75     22.8   7.7   4.1   48   131.5   5.37   7.2     21.0   7.8   2.8   2.4   1373   17.4   21.76     11.5   7.9   5.4   50   1352   6   12.2     6.1   8.0   7.0   55   13.9   10   13.4     9.2   7.8   6.1   13.1   14.0   5.1     11.8   7.7   5.3   46   112.6   8.1   16     10.1   8.5   6.2   56   100.9   9   13.1     19.3   8.0   3.1   33   1161   10.8   16     23.4   7.7   2.8   2.8   2.8   10.9   10     24.5   7.6   23   29   949   10.2   2.6     23.2   7.8   2.5   37   10.9   8.5   12.8     23.5   7.8   4.5   48   102.8   8.2   13.2     24.5   7.6   23   29   949   10.2   2.6     23.2   7.8   4.5   4.8   102.8   8.2   13.2     24.5   7.6   23   29   29   10.2   2.6     23.2   7.8   4.5   48   102.8   8.2   13.2     24.5   7.9   4.8   49   1066   10.8   18     77.5   7.8   4.5   48   102.8   8.2   13.2     25.4   8.4   10.4   88   774   10.1   19.2     5.4   8.4   10.4   88   774   10.1   19.2     5.1   8.2   8.5   69   2825   7.8   15.6	10.7   7.5   8.9   74   1500   10.2   18.72   1084     9.1   7.9   3.2   28   1554   16.8   21.6   21.2     7.5   8.0   8.8   6.3   1569   12.6   21.2   952     14.1   8.1   4.5   4.6   1416   5.1   16.6   60   1006     15.2   7.8   2.1   2.3   1325   2.1   10.8   994     16.0   7.9   0.0   0   13.44   48   76   712   1080     22.4   8.0   3.2   34   1312   5.6   8.16   1010     22.7   7.6   5.5   60   1162   10   13.9   800     23.5   7.8   3.8   44   1280   7.14   9.76   888     22.8   7.7   4.1   48   1315   5.37   7.2   886     22.8   7.7   4.1   48   1315   5.37   7.2   886     21.0   7.8   2.3   2.4   1373   17.1   2.176   1002     11.5   7.9   5.4   50   1332   6   12.2   970     6.1   8.0   7.0   55   1329   10   13.44   1056     9.2   7.8   6.1   5.1   1466   8.1   16   794     11.8   7.7   5.3   4.6   112.6   8.1   16   794     11.8   7.7   5.3   4.6   112.6   8.1   16   794     12.4   7.7   2.9   35   1059   9.2   13.6   796     23.4   7.7   2.9   35   1020   8.5   12.8   700     23.5   7.8   2.5   7.7   7.8   7.8   7.8     12.2   7.7   7.8   4.8   1028   8.2   12.2   790     23.4   7.7   2.9   35   1059   9.2   13.6   796     23.5   7.8   2.5   37   1020   8.5   12.8   700     23.5   7.8   4.5   4.8   1028   8.2   13.2   730     23.5   7.7   7.8   4.5   4.8   1028   8.2   13.2   730     23.5   7.7   7.8   4.5   4.8   1028   8.2   13.2   730     23.5   7.7   7.8   4.5   4.8   1028   8.2   13.2   730     23.5   7.7   7.8   4.5   4.8   1028   8.2   13.2   730     23.5   7.8   7.8   7.8   7.8   7.8   7.8     23.6   6.9   4.25   7.8   15.6   540     5.1   8.2   8.6   6.9   4.25   7.8   15.6   540     5.1   8.2   8.6   6.9   4.25   7.8   15.6   540     5.1   8.2   8.6   6.9   4.25   7.8   15.8   540     5.1   8.2   8.6   6.9   4.25   7.8   15.6   540     5.1   8.2   8.6   6.9   4.25   7.8   15.6   540     5.1   8.2   8.6   6.9   4.25   7.8   15.6   540	10.7   7.5   8.9   74   1500   10.2   18.72   1504   48   91   7.9   32   28   1554   16.8   21.6   21.27   119   2.3   8.0   8.8   63   1369   126   23.2   932   90   14.1   8.1   48   46   1416   9.1   16.4   60   1006   166   152   7.8   23   23   1333   21.1   10.8   954   148   148   160   7.9   0.0   0   1344   48   76   712   1680   588   22.4   8.0   12   34   1312   5.6   8.16   12   1030   31   22.7   76   5.5   60   152   10   13.9   800   64   23.5   7.8   18   44   1280   7.14   9.76   8.88   29   22.8   7.7   41   48   1315   5.37   7.2   8.86   24   23.0   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.6   23.	10.7   7.5   8.9   74   1500   10.2   18.72   1044   83     9.1   7.9   32   28   1054   16.8   21.6   1227   119   519     2.3   8.0   8.8   63   1369   12.6   21.2   972   90     14.1   6.1   4.8   4.6   1416   9.1   16.4   60   1006   166     15.2   7.8   2.1   23   1325   21.1   10.8   944   144     16.0   7.9   0.0   0   1344   48   76   712   1080   588     22.4   8.0   2.2   34   1312   5.6   8.16   1030   31     22.7   7.6   5.5   60   1162   10   13.9   800   64     23.5   7.8   3.8   44   1280   7.14   9.76   838   29     22.8   7.7   4.1   48   1315   5.37   7.2   856   24     21.0   7.8   2.8   2.4   1373   17.1   21.36   1002   51     11.5   7.9   5.4   50   1352   6   12.2   970   40     6.1   7.8   7.9   5.4   1370   6.5   13.4   1056   90     9.2   7.8   6.1   5.1   6.1   13.1   8.6   145     11.8   7.7   5.1   46   1126   8.1   16   734   79     11.8   7.7   5.7   5.7   6.100   7.14   7.16     11.8   7.7   2.9   35   100   13.1   103   16   796   28     22.5   7.6   2.7   2.9   949   102   2.6   6.1   7.8   7.8     22.5   7.8   2.5   7.9   4.8   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   1066   10.8   18   728   27     22.5   7.8   4.5   4.9   10.8   13.2   13.2   30   575   51     3.5   5.4   5.6   10.0   8.5   12.8   700   57     3.7   3.8   4.5   4.9   10.6   10.8   18   728   27     3.7   3.8   4.5   4.9   10.6   10.8   18   728   27     3.7   3.8   4.5   4.9   10.6   10.8   18   728   27     3.7   3.8   4.5   4.9   10.6   10.8   18   728   27     3.7   3.8   4.5   4.9   10.6   10.8   18   728   27     3.7   3.7   4.5   4.5   4.9   10.6   12.8   13.2   30   575   51     3.8   3.9   4.7   4.7   4.7   4.5   4.5   4.5   4.5   4.5   4.5	107   7.5   89   74   1500   102   18.72   1084   83   118   194   195   194   195   194   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195   195	107	10.7   7.5   8.9   74   1300   10.7   18.72   10.84   8.8   11.5   0.18   5.48   9.1   7.9   3.2   28   1554   16.8   21.6   21.2   9.2   90   7.47   0.21   70.6   14.1   18.1   4.8   46   14.16   5.1   1.0   16.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   10.6   1	107   7.5   89   74   1500   102   18.72   1084   83   11.5   0.18   5.48     94   7.9   92   28   1554   16.8   21.6   1227   119   519   109   0.27   4.27     2.3   8.0   8.8   6.3   1369   12.6   21.2   952   90   7.47   0.21   7.05     141   8.1   4.8   46   416   9.1   16.4   60   1005   105   680   0.27   3.18     152   7.8   2.3   2.3   2.3   1312   21.1   10.8   944   14.8   6.32   0.35   1.66     160   7.9   0.0   0.144   48   76   712   1080   588   9.12   9.13   1.11   0.0     22.4   8.0   3.2   3.4   1312   5.6   8.16   1000   31   14.4   609   0.34   0.9     22.7   7.6   5.5   6.0   1162   10   13.8   80.0   64   1.72   0.95   0.53     23.5   7.8   1.8   44   1280   7.14   9.75   888   29   9.72   0.06   0.88     22.8   7.7   4.1   48   1315   5.37   7.2   886   24   12.1   0.53   0.21     21.0   7.8   2.8   2.4   1373   17.1   21.76   1002   51   9.14   0.7   1.33     11.5   7.9   5.4   50   1332   6   12.2   970   40   9.77   0.5   4.66     6.1   8.0   7.0   56   1379   10   13.44   1036   28   9.2   0.45   1.79     9.2   7.3   6.1   53   146   9.1   13.1   845   145   155   0.56   4.85     11.8   7.7   5.1   6.5   1009   9.13   1.31   8.50   145   155   0.56   4.85     11.8   7.7   5.1   6.5   1009   9.13   1.31   1.30   1.30   1.30   1.30     12.3   7.8   2.5   4.5   1106   8.1   1.6   7.34   7.9   7.47   0.37   0.71     10.1   8.5   6.2   56   1000   9.13   1.31   8.50   1.55   0.56   4.85     11.8   7.7   5.1   4.5   1106   8.1   1.6   7.96   2.8   17.8   0.24   0.79     23.4   7.7   7.8   4.5   4.8   1028   8.2   13.2   7.00   3.7   1.52   0.39   0.92     23.5   7.8   2.5   3.1   1029   8.5   12.8   7.00   3.7   1.52   0.39   0.92     23.5   7.8   4.5   4.8   1028   8.2   13.2   7.50   2.5   1.5   0.5   0.5   0.31     9.0   8.3   6.5   60   1280   7.2   14.7   9.16   3.6   1.5   0.38   3.48     7.2   8.3   6.4   8.2   13.2   7.50   2.5   1.5   0.5   0.5   3.31     9.0   8.3   6.5   60   1280   7.2   14.7   9.16   3.6   1.9   6.4   0.16   4.75     5.1   8.2   8.6   6.8   8.2   8.2   8.2   8	10.7   7.5   8.9   74   1500   10.2   18.72   10.84   8.3   11.5   0.18   5.48   0.26     9.1   7.9   3.2   28   1554   16.8   21.6   21.2   99.2   90   7.41   0.21   7.06   0.38     14.1   8.1   48   46   1416   9.1   16.6   60   10.6   10.6   10.6   10.6   10.6     15.2   7.8   2.1   23   13.33   21.1   30.8   944   14.8   6.32   0.35   1.66   0.14     16.0   7.9   0.0   0.144   48   76   712   10.90   588   91.2   91.3   1.11   0.1     12.4   8.0   3.2   34   1312   5.6   8.16   712   10.90   588   91.2   91.3   1.11   0.1     22.7   7.6   5.5   6.0   11.52   10.1   13.8   800   64   1.72   0.95   0.34   0.0   0.21     23.5   7.8   1.8   44   12.0   7.14   9.76   888   29   9.72   9.06   0.08   0.36     22.8   7.7   4.1   48   13.15   5.37   7.2   886   24   12.1   0.53   0.21   1.0     21.0   7.8   2.3   2.4   13.71   17.1   21.76   10.00   51   9.14   0.7   1.3   0.5     11.5   7.9   5.4   50   1351   6   12.2   87.0   40   9.71   5.7   5.7   4.6   0.43     6.1   8.0   7.0   56   13.19   10   13.44   12.6   59   9.22   0.39   4.68   0.17     9.2   7.8   6.1   7.0   5.1   1.1   1.1   1.1   8.56   1.4   1.5   1.5   0.5   4.5     11.8   7.7   5.3   4.6   11.06   8.1   1.6   7.96   2.8   1.79   7.4   0.7   3.0     10.1   8.5   6.2   5.6   110.0   9   13.1   81.0   2.9   2.8   0.7   3.2   0.04     11.8   7.7   5.3   4.6   11.06   8.1   1.6   7.96   2.8   1.78   0.74   0.7   3.0     12.3   7.7   7.8   7.8   7.8   7.9   7.4   0.7   0.7   0.5     13.4   7.7   7.9   7.9   7.9   7.9   7.9   7.9   0.1     10.1   8.5   6.2   5.6   110.0   9   13.1   81.0   2.9   2.8   0.7   0.5   0.5     12.2   7.8   7.7   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8   7.8	107   7.5   89   74   1500   102   18.72   1084   83   11.5   0.18   5.48   0.26     94   7.9   92   28   1554   16.8   21.6   1227   119   519   109   0.27   4.27   0.55     2.3   8.0   8.8   63   1369   126   23.2   992   90   7.47   0.21   7.06   0.38     141   8.1   4.8   46   141.6   9.1   16.4   60   1006   105   8.04   0.27   3.18   0.45     152   7.8   23   23   23   1323   21.1   30.8   944   148   6.32   0.35   1.66   0.14     160   7.9   0.0   0.0   1344   48   76   712   1080   588   9.12   9.13   1.11   0.139     224   8.0   3.2   34   1312   5.6   8.16   1000   31   14.4   6.99   0.34   0.021     227   7.6   5.5   6.0   1162   10   13.8   80.0   64   1.72   0.55   0.33   0.31     22.3   7.7   4.1   48   1315   5.37   7.2   886   24   12.1   0.55   0.31   1.00     22.8   7.7   4.1   48   1315   5.37   7.2   886   24   12.1   0.55   0.31   1.00     21.0   7.8   2.8   2.4   1373   17.1   21.76   1002   51   9.14   0.7   1.33   0.5     11.5   7.9   5.4   50   1332   6   12.2   970   40   9.77   0.5   1.46   0.45     6.1   8.0   7.0   55   1329   10   13.44   1036   80   9.2   0.39   46.8   0.17     6.1   8.0   7.0   55   1329   10   13.44   1036   28   9.2   0.45   1.79   0.31     9.2   7.8   6.1   53   146   9.1   13.1   13.4   1036   28   9.2   0.45   1.79   0.31     10.1   8.5   6.2   56   1000   9   13.1   810   29   2.87   0.77   0.54   0.36     12.3   7.8   2.3   4.6   1126   8.1   16   7.54   7.9   7.47   0.37   0.71   0.38     10.1   8.5   6.2   56   1000   9   13.1   810   29   28.7   0.77   0.52   0.34     10.1   8.5   6.2   56   1000   9   13.1   810   29   28.7   0.77   0.52   0.34     10.1   8.5   6.2   56   1000   9   13.1   810   29   28.7   0.77   0.52   0.35     12.5   7.9   4.8   4.8   1028   8.2   13.2   7.00   57   15.6   0.55   0.33   0.46     12.5   7.9   4.8   4.8   1028   8.2   13.2   7.00   57   15.6   0.55   0.33   0.46     12.5   7.9   4.8   4.8   1028   8.2   13.2   7.00   57   15.0   0.55   0.35   0.35   0.35     12.5   7.9   4.8   4.8   6.6   6.8   8.8   7.4   0.2   7.0

# Sazliyka River (Station No 30060105)

Dafa	Q	Ť.,	Tva	Ph	DO*1	DO <sub>45</sub>	EC 3	BOD\$	Oxid	cone	D5	SS	Cı	SO4	NH4N	NO2-N	NO3-N	PO4	HIS	Fe	Ma	Ca .	Mg
ŀ									(perman)														
L	(m)/s)	<u>(a)</u>	(C)		(mg/L)	<b>(%)</b>		(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)
17-0-1-96			\$5.9	8.1	5.1	52	1163	4.9	1.2		616	16			7.61	0.28	22			0.21			
21-Nov-96			12.7	7.9	4.0	37	1270	13.7	14.6	60	844	33			8.5	0.35	3,48			0.02			
17-Dec-96		-	8.9	8.1	86	94	908		10.2	35	494	70			2.74	0.23	3 35			-999			
asin		1.0	0.0	7.2	0.0	6.0	557.0	22	1.0	35.Q	74 8	4.0	10.0	<b>40.0</b>	0.2	0.1	0.0	0.0	0.0	-999.0	0.3	0.0	120
max		360	29.0	8.5	10.4	100.0	20800	900	111.3	712.0	4169.0	1712.0	151.0	605.0	66.4	9.1	53.3	1.5	0 t	28.0	1.3	205.0	54.0
ave		168	15.2	7.7	4.6	43.4	1127.1	180	17.4	2168	8727	148.0	57.B	306.7	8.7	0,6	5.0	0.3	0.0	-8.2	0.2	109.7	. 33.4

t: Dissifyed Oxygen

<sup>2.</sup> Oxygen sturation in water

rs. Ozygos sturanos ja wa: F3: Plectric espekietivity

<sup>\*3:</sup> Electric conductivity

Sazliyka River (Station No 30060270)

Date	Q	T,	Υ	Ph	DO,1	DO. 1	EC	BODS	Oxid <sup>4</sup>	COD	DS	SS	CI	804	NR4N	NO2-N	NO3-N	POH	H2S	Fe	Ma	C.	. 1
	(m3/s)	(c)	(°C)		(mg/L)	(%)		(mg/L)	(mg/L)	(mg/L)			(mg/L)	(m <sub>V</sub> L)	(m;/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(m
-Apr-89 May-89			18.0 18.5	7.7			:	12.2	15.52 42.4		1076	139 576			23 2 16 2		4.86 3.24		0.04	0.12			
May-89			23.0				1	26.5	34.4		940,	502			35 6		1076	· ·- · i	. 000				
CB-aut			21.0	10	5 5.1			16,7			[457	79			8 6	0.15		0.4		0.8	٥	,	
Jun-69 2-Jul-89		-	23 0 29.0	7.3				7.1	16.64	}	1452	64			20.7 23.2	0	11.88		0				
Aug 89	1		23.0	7,6	5, 4.2	49		12 21	23.76		1120	28			13.6		3.2		0.06	0.36	-		÷
-Sep-89 -Oct-89			20.0	7.7				14.74	24 16	;	1008	68			32.9		124	11	0.01	0.6			
Nov-19			15.0					. 18.4 9.4	25.2 16.64		1167 1190	87. 78			64.3	0.28	16.74		0.02	. 0.			
-Dec-89		3.8		8.0	3.6	27		11.1	20.16		1112	108	53.1	510			18.9		0.12	. 0.2			
Jan-90	;		4.0			38		. 15	19.68		1292	42			34.5		4.3		0	, o			:
-Feb-90 -Mar-90			9.0	8.0 7.3	3 6.8	7.3		14.4	16	:	1050	13			15.6 17.2		5.75	- :					
Apr-90			14.0	7.5	5 5.5		1400	12.8	24		1184	27			16.5		4.6 5.75		0.25	. 0			
) i i i 30			23.5	7.5	3.5	41		10.31	16.8		978	80			18.9		0.11		0.02	o o			
Oct-90 Nov-90	1 1/4		14.2			26	1620	9.5	16.48 15.84		1406	65			15.5		5.17		8.02	0.09			
Dec-90	1		10.0	7,1	2.8	24	1212	10.2	18.8		1060	21 123			7.18		4.3	- 1	0.09	0.23			
F-5-91			7.0	7.6	3.5	28	1777	145	. 28		1344	714			169		9.77		.0.05				
Wat & I	1		1.0 12.0	8.0		69	1332	5.8	14.05		936	51			9.77	7.47			0	0			
Apr 91 May 91	;		18.4	7.4 8.1		40 36	1300	8.86 14.1	16.96 25.2		1100	45			13.8 12.1		6.91 0.57		0.03	0.29			
Jol-91			23.0	7.4		21	704	7.9	15.4;		588	40			6.1		5.17.	-	0	0.15			•
Aug-91	1		20.3	1,1		52	814	5.8	11.52		632	55			4.6		2.87						
Sep 91 Oct 91			20.5	7.6		87.	1012	8.1	11.04	3	794	61			11.5		1.15		0.07	1.12			
Dec 91			4.5	7.		46	1182 1250	5.2 17.9	7.52 13.6		984 1208	50 116			12.6		3.42		0.01	0.65			
Mar-92			7.8	7.6	2.3	19			84		1112	1665			11.5		4.02						:
Mar-92			15.0	1.1		20	1253	46.5	60.		975	1203			. 11.5		5.74,		0.03	0			
Apr-92 Say-92			10.0	76		20, 29	1054	56.66 12.6	88 17.92		778 506	1075			9.77	:	5.75 4.31	:	0.2	0.86			
un-92			21.5	7.1			866	12.7			775	90	- 48	309	3.9	0.22	2.8	0.6	٠.	0.38		50.1	
uл 92			18.0	1.5		49	625	12.2	16.32		480	122			2.87		3.55		0	0.12			•.
Jul-92 iug-92			21.5 24.5	1.1		. 88 83	1050		10.24		902	45			2,27		4.59		0	0.45			,
Oct-92			18.0			32	169	10.8	15.2		792 926	20 96			5.16 5.17		1.81		2	0.53			
lov-92	.1		9.0	7.7	5.3	46	936	12.85	16.64		[044	58			1.14		0.57		. 0	. 0.34	0.12		
ec 92			6.5			55	1050	11.8	15.2		0101	70			6.89	0 12	3.66		0	0.11			
de 93	<u>:</u>		6.5 7.8	8.0 7.6		75 49	1453	18.95	75 18.8	i	1112	71			13.8	0.22			. 0	0.12			
pr-93			15.0	8.2		35	1301	11.6	18.88	· · · · · · }	1128	24.			8.63	0.28 0.11	3.28 1.35	- 4	0.01	0.31			4
May 93			16.9	7.7		42	1231	5.2	11.2	··· j	1042	63			6.27	0.173	3.79	1		0.5			
Jun-93			24.3	7.7			1253	7.6	10.4		968	45			6.32	0.17	D.84			0.02			: .
Jul 93 Aug 93			21.6; 23.4	7.9		20	1076 999	10.6	10.88		748 786	32		-	4.03	0.21	0.92			0.46			1.
Sep 93	1		20.0	7.6	6.1	45	1241	6.5	9.6	i-	904	77			1.59	0.31	0.33			0.24			4.
Oct-93			20.6	7.6		16	1347	B.8	17.76		F018	18			8.62	0.32	0.24			0.03			:
Var 93 Dec 93			15.2	7.7	6.2	62	2000	7.22	12.48		\$12,	37			3.44	0.13	1.59			0.17			: .
Jan 94	j		7.6 8.6	7.9		49	1816	10.1	23.2		1120	102 125		644	8.62 6.9	0.2	2.11 3.53	;	:	0.45	-		
Feb-94	1		2.5	7.9		78	1802	12 1	23.84		1490	153			1.73	0.14	5.79	:	1.5	0.26			• 1
Mar-94	1		I 4.5	8.1		40,	1780	17.29	15.6	37	1430	172			3.45	0.12	3.05	1		0.12			
Apr 94 Luy 94	1		15.7 17.2	7.8		28	1404	20.7	25.3	130	1102	J00 52			2.87	0.21	3.41	:		0.26			
up-94	†~ - ~ i		22.0	8.0		26	1482	9.13 5.2	8.56	49	1128	28	·	٠	7.41	0.13	0.58		상	0.93		-	• •
Jul-94			23.3	7.6	3.6	44	1273	3.5B	13.6	19.	960,	44			1.72	0.65	1.26			0.38	:		•
ug-94			24.2	7.8		41,	1472	17.6	7.84	42,	1138	26		!	8.02	0.59	0.79		0	6.24			:
94 >ct-94	ļi	1	23.8 20.8	7.7		34	1630, 1516.	7.37	7.2	63	1220	33		;	9.2 8.04	0.79	0.43	L[	.ني	1.03			
lov-94			11.4	7.9		52	1310	8.62	14.4	73	1056	103			9.77	0.6	2.98 0.16	4	q :	0.53			
cc-94			6.2	7,8		54	1710	8.3	16	64	1320	50			6.33	0.2	4.16			0.14			
an 95 20-95	÷		5.6	7.8		60,	1305	12	14.24	<u>-</u>	992				0.86	0.25	3.52			0.02			
1ar-95	ļ ÷		11.5	7.7	4	37	1346	6.06 7.2	11.8 14.6		936 798	76			8.05 4.02	0.43	2.15	i.		0.14			:
Qr-95	4		0.01	<b>\$.</b> 5	6.4	56	1060	5.5	13.5	49	794	47,	· • •		1.73	0.31,	3.09		;	0.31			
y-95	4 1		19.8	8.0		18	1216	12.5	16.2		800	92			145	0.24	1.71	;		0.26			
49-95 41-95	ļ—-}		24.5	7.7 7.5	3.0	38	1146	9.5	14.4	بإستندة	762	60, 91	j	<u>-</u>	11.9	0.4	2.74 0.26		None.	0.17			
ug-95			23.7	7,7	1.8	27	1060.	1.3	12.1		790	44		: <del>i</del>	10.5	0.33	1.36		0.003	0.74			
cp-95			23.4	7.7		41	1307	9	16		958	25			11.6,	0.27	1.57.		A 1991				
04-95 04-95	ļ.,		17.2	7.6		35	1305	10	13.3		930	16			11.2	0.37	2.17			0.02			1
10Y-93 200-93	, j		9.3	7.8	6.1	51	1420	6.2 4.8	9.6	······································	J012 968	[0,			16.9	0.16	3.65	<del>-</del>		0.05 0.02			
a-96			5,8	8.4	6.0	51,	815	16.5	31.2	264	370	362			6.07	0.17	3.8			0.41	}	* * . * . * *	: -
-6-96	1		5.5.	8.2		79	786,	9.8	20		500	80			6.23	0.11	4.36		. 1 1 .	0.42			1
1uz 96	فِين جين لا		5.4 11.6	7.8		69	853 1055	7.6 5.6	15.7	63	604	36			3.88	.0.18	3.66		. " [	0.1			
12y 96			19.6	7.5		43	792	5.6 <sub>1</sub>	9.6	63	762 564	52		}	18.3 12.9	0.53	2.02		4	0.08	·		i
vn-96			19.2	1.7		33	[182]	8.4	12.2	65	826	62			9.88	0.39	7.44	4	!	0.31			•
Jul 96	11		24.4	7.8		35	933	7.2	11		672	42			5.76	0.33	2.18			0.12			
ug-96			26.1	7.8		37	914	12.2	17.4	54	650	42			2.89	1.54	2.95			0.55			
Scp-96 Oct-96			16.7	8.J	4.8	. 4B.	1208 1364	6.8 4.85	9.76 7.04	40,	904	40.	. :	:	7.2	0.43	2.8 4.21		i.	0.22			
lov-96			t3.0	7.9	/ ,	34	1293	12.5	14.4	51	1008	46			8.66	0.38	4.21 2.4	·· · •		0.13			
Dec-96	Ţ		9.2	8.0		79	943		10.4	41	527	64	· · · · · · · ·	!	2.78	0.25	3.18			:		. 1	:
	0.0						200		غز إنتند						;			مب طهیردی					
110 1113	0.0	3.8	2.5 29.0	7.3 8.5	0.0 10.7	88.0	605.0 2000.0	3.6 56.7	7.0 88.0	19.0	480.0 (490.0	1665.0	48.0	309.0 644.0	0.9 84.3	0.0 7.5	0.1 18.9	0.4	0.0	0.0	0.0	50.1 50.1	
	#D(∀/0!	2.0	15.9	7.8	4.2	40.3	1218.6	11.1	111.1	62.8	978.0	127.7	50.6	487.7	11.4	0.4	4,0	0.5	0.0	0.3	0.1	50.1	

<sup>\*1:</sup> Dissolved Oxyge

<sup>\*2:</sup> Oxygen statation in water \*3: Electric conductivity

<sup>\*4:</sup> Oxidizability (permanganate)

Harmanliyska River (Station No 30060158)

5-Jan-87 i-Feb-87 i-Mar-87 I-Apr-87 I-May-87 2-Jun-87	(m3/s	<u>)</u>	C) 160	<u>(c)</u>		(mg/L	L) (%		٠.		р∉гожа)															
Í-Feb-87 Ò-Mar-87 I-Apr-87 I-May-87	41/10/40		160	4.2						:g L)	(mg/L)	(my/L)	(c4g/L)	(mp/L)	(41 <b>2/L</b> )	(a) e	A. In	art) (1a	ng/L) (n	12/L) {	ma/L) (d	ng/L) (	mg/L) (	mg/L1	eng/L) (	mg L)
0-Mar-87 I-Apr-87 I-May-87				120	7.3	C	D B	7.4			512	( <u>.</u>	314	206		0	305	16		12		. 0	0.65		- 11 - 11 - 11	
I-Apr-87 I-May-87			9.6 1.5	7.2 9.5	7.6		5.4 4.2	51 37		18 812	21 E 60 9		. 542 543		. 5		85 115	15.4	٠.	4.36		. 0	1 86 0.3		•	
			7.0	6.0	8.0	í , i	i 3 1.0	10		60	24 13.8		458 594	572 67	. 6 3		117	3.7 4.27		1.14		0	0.54		79	. 13
		•	22.0	180	7.7		3.1	33		8.9	11.7		543	101	7	O,	H	129		4.1,		0 .	0.6			
8-Jul-87 1-Aug-87			24.8	21.6	8.3 7.8		1.6 1.3	20 11		86	16.22		324 499	182 59			134 110	0.35		30 4 [9	. :	0	0.148		19	22
I Aug-87			22.0		7.8	)	1.2	į4		79.3	12		557	143		s	97	24 2		10 B	. :	. 0	0.5 0.14E	ø.		
8 (ht 87 7-Nov-87			16.0 15.0	12.0	8.0 7.8		3.0 <sub>.</sub> 3.8	28 36		. 74	22.4. 10.1		546 485		. 5	4	113 134	0.3 1.2		0.68		•	0.23		62	32
2 Dec 47 6 Jan 88			12 0 13.0	11.0	7.7 8.0		3.4 2.0	34 23		34	76 2		850 896	129 158			110	14.6 0.08		2.4		. 0	0.52	0	1.1	
7-Feb-88		:	4.2	8.8	7.8	, ,	7.7	64	:	36	16.6		192	764	. 1	ю	85	7.18		2.7		· · ·	0.26		76	16
8-Mar-88 21-Apy-88			220	160	7.6		6.6 3.7	58 38		70.6	. 70 50		564 612	218 80		17	102	9.4 0.308		0.06 13.6		Ð	2.2	v		
5-May-88		1.2	138	20.0	7.8	, i	1.3	13		56 55	13.8 50 8		\$46 477	44		\$\$	92	6.4 163		4.3		0	0.26		17	18
1-Jun-86 5-Jot-88			17.0	18.0 26.0	7.7		0.8 0.7	90			24		572	30	( ) :		144	3.4		0		ŏ	0.1			
9-Aug-83			25.8	23.6 22.0	8.2		0.3 2.2	26	100	136 82	24.6 35		; 640 - 595			53	130	7.71		4.95. O.L			0.04	0	68	24
1-Sep-88 3-Oct-88			180	17.0	8.0	3 :	2.7	28			14.4		686	61			130	0.3		2.8		•	0.016			
7-Nov-88 7-Dec-88		٠.	- 4.8	11.0	7.5		4.1 <sub>.</sub> . 1.9	36 18		193.4	15.8 62.4	•• ••	740			91	109	9.67 12.1		0.08	. :	d j	0.22	. 0	86	
11-520-89			11.0	5.0	7.3	3	3.0	24	:		26.4		602				615	0.3		1.2		. 0	0		87	22
17-Feb-89 17-Mar-89			142	118	8.5 7.5	5	6.9	62		36	35		698				113	0.57 12 2		0.21		. 0	0.22			:"
1 Mar 89 14 May 89	•		18.4	14.0	7.8	8,	1.8 1.3	17		62.2 106	53.3 16.9		1065 838			61	BI.	9.2 6.64	, 75	3.12	:		1.5	0	68	Į9
1-Jun-89				. 250	7.1	8 . 1	0.0	0		136	64.8		595	124	i			13.7	0.05		0.8		0.8	0		
10-Aug-89 7-Scp-89		٠.	14.0	18 2 20.0	7.1		0.7	7		67.1	20.9 46.6		512 540			44 .	135	5.7		3.37	1.8	:	1.3		73	15
5-Nov-89			17.6	17.6	8.0	0 .	3.1	31		12.7	15.3		623 768	143		10 15	187	6.67	i	0.46	1		0.42		74 : 67	
21-Feb-90 1-Mar-90			21.0	13.4	8.0		1.4	13		73.2	17 48.4		634				170	32.7	0	0	2.3		0.6	0		
20 May 90 28 Dec 90			27.0	18.8	7.9	9	10	10		140	ii.i	į	496			42	85	2.97 3.9	0.03	2.94	5.1	;	0.03		62	16
6 Mar-91				10.5	7.	7	0.8	26	672	73.4	42.2		484				91	5.66	0.44	1.2	0,76					
6 May 91 24 Jul 91			20.4	16.8	7.		4.0 0.5	39		30	15.7	. 1 -	165 587			40 00	93	0.23 4.9	0.46	8.26 9.6		0.1	0.15		71,	16
29 Aug 91		- 1	25.0	19.6	7.	5	2 8	29		86	29.9		551 640		(	56	F21	5.82	74 45	3.22	1.6		0.13		30	2
11-Scp-91 6 Nav-91	:	٠.	5.7	20.0 <sub>.</sub> 15.2	7.		1.1 0.5	12	850	. 78 58	23.2 25.5	<u> </u>	170			07	203	6.31	0.03	0.83			0.68		78	16
3-Dec-91 27-Jac-92			3.0	14.0	7.		1.7	17 32	898	13.8	21.4		539 620			3E 89	120 240	56.6	0.02 0.5	1.3	0.7	Ď.1	0.5	. 0		
17-Feb-92			170	11.8	8	0	2.3	20		48	Í2		340	j 1,	3 2	70	155	4.18		3.02			0.17		80	18
11-May-92 11-May-92			31.0	11.0 <sub>.</sub> 20.2			1.1 0.5	10	756	61.8 98	22.4		516			68 59	76	22.6. 6.88	. 0	3.13	1.1		D.9. 0.4		58	18
10-Jun-92				23.0			0.4	4	738	54	28.4 5.9		52i	8 10		59 40	107	15.6	0.6	0.7 9.2	1.7	6 25'	2.04	. 0	40.1	41.3
18-Jul-92 18-Aug-92		•	25.0 24.0	19.6	8.		1.6	16		48	18	(	43	5 4	,	79	81	3,46		1.09		1.	0		46	12
6 Oct 92 16 Nov 92			23.5 9.0	20.0 13.8		6	1.0 6.1	. 10 , 56		24.6	10.4		53 53			19 54	52 121	10.6	0.05	1.79	200 mg	0.15	0.12		48	10
10-Feb-93				5.1	7.	.8.	5.1		1158	. 62	44	Ĭ.,	50	5 16	0	78	82.5	8.77	0.06	1.38	5.1	:	2.1	0	80	30.2
12-Mar-93 7-Apr-93				15.5		6	2.6		1523	120 B2	46.4 48					1.7 3.4	64	5.6	0.3	1.73	4.5		0.52	0	75.4	32.1
12-May-93	1			16.8	7.	.6	5.7 3.5		1240 865	623	24.6		1 60 2 53			5.L, 70	63.1	5.5 4.44	0.12	2.j8 1.7.	1.95 5.L		0.64	0.21	67.3 81.7	25.1
16-Jon-93 13-Jul-93				22.5 25.4	. 7	2	0.1		890	54	11.7	10	5 55	1 7	9	58	116	21.7	0.045	2.42	7.5	-1	0.76		50.8	19.
11-Aug-93 8-Sep-93				22.3 17.0		9	3.0		683.7 1170	34 16	16.4 20.48		8 59 3 65			94	. 68 71	7.23 5.52	0.075	3.73	3.9	: 4	0.24	٠.	61.5	41.1
13-0:1-93		- :		22.7	. 7	3	4.3	7	842	_ 11	8.37	2	8 30	2 8		34	87 68	3.9,	0.16	0.56	2.88	- T.	0.12	0.21		- : :
14-Dec-93 11-Jan-94		٠	٠.	11.8		.7	8.5 5.2	. :	849 1090	21 48	12.1	1	0	. 4	6	53	80.7	5.44 6.86	0.004	4.5	3.4		0.32	0.28	91.4	24.
3-Feb 94 9-Mar-94				15.5 14.5		6	6.4		970.3. 1343	45 4.8			11 57		2° 5	52	106	6.67	0.11	0.13 2.37	3.82 - 3.21		0.22	0.17	95.2	24.
6-Apr-94			٠.	17.3	,	4	3.0		610		46.	1	15	i. i. i	8	22;	68.	3.34	0.04	1.68	3.3	1. 1 f.	3.4	0.2		
5-May-94 8-Juo-94				18 E 18.5		7.2 7.3	3.5 3.5		896.8 816.7	42		1	17 24	10	9	54	65.5	7.76 5.77	0.57	0.35	3.6 3.6		0.6	0.15.	15.4	24.
13-Jul-94				24.9	, 7	7.6	5.3		669	33	7.		90 51		9	66 56	36.3	7.64	0.18	0.28	3.03 2.97		0.3 0.21	0.04		
4-Aug-94 7-Scp-94				30.1 25.2	7	1.5 1.8	4,4 1.1.		705.5	6	27.	8	<b>16</b>		ıs	72	26.5 68.4	7.41 2.73	0.06	0.8	4.5	-; -;	0.2	0.15	• :	
13-Oct-94 9-Nov-94			٠.,	17.0		1.7	7.1 5.9		976 3 969.4	30		**	57 19	1	10	60	125	6.42 5.77	0.13	3.75 0.87	2.85 2.4	5	0.5	0.2	- <u>-                                  </u>	
14-Dec-94	4			18.5		7.7	6.8		820	. 4.6	6.	9	45			3.8	51.2	1.85	0.1	2.41	1.96		0.3	0.23	84.6	21.
9-Feb-95		-		12.0		1.1	7.6 8.9	4	923.4 272.7		8.6 13.		50 90		32	2.5 0.5	117	3.93	0.21	2.3	0.27 4.89	1	0.03	0.13 0.01	53.9	18.
9-Mar-95				14.1		1.6	6.1		923 1102		6.5		52 39	1	10 4	6.8	65.5 119.	4.19 3.75	0.23	5.75 3.45	1.95	·4. 1	0.04	0.17		
12-Apr-95 10-May-95				14,5 15,3	1	7 2	6.2		820			4	45	. 1	18 4	18.5	71.2	5.34	0.3	3.4	2.64		0.22	0.14		•
6-Jun-95 4-Jul-95				16.0 15.6		7.1 7.4	6.6		722 680.6		16. 1		63 44 36 41			12.5 15.1	101 80.1.	1.63 6.38	0.27 0.44	7.76	2.84 3.17	- :	0.77	0.07	81.6	22
7-Aug-95	;		٠.	21.0	( )	7.4	6.3		82E;	٠.	12	3	85	t.	33 5	2.2	75.6	3.74	0.09	2.87	4		0.04	0.01		17,
6-Sep-95 11-Oct-95				27.6 18.5	: 1	7.8 7.4	4.7	٠.,	782 1065		32	3 1	52 51 27 51	74	34	)2.1 [[3.	128 90	4.74 5.69	0.19	2.75 3.1	1.2 2.8	11.71	0.03	0.03		
15-Nov-95	5		•	20.2	, 1	7.2 7.2	6.6		765.3 849		jil. 8.i					109 120	37.7 59.6	3.81 2.36	0.17	1.8 3.23	3.5 3.12		0.23	0.11 0.09		
96-10-100 96-441-01	5			14.7 14.0		7.5	7.3		1017		9.1	2	4	88	34	51.4	134	10.6	0.19	3.87	3.68	0.01	0.1	0.11	ا نیان امید	
6-Feb-96 6-Mar-96				13.1		7.4 7.4	6.7 7.0	-	1024	22.	5.9		88 4 43 5			63.8 56.7	83.1 72.7	6.59 8.95	0.22	0.97	2.49		0.06 0.04	0.18	2).6	
9-Apr-96	5			16.3		7.4	6.3			6.0	9 1	16		17	62	48.5	1424	1.87	0.28	3.54	4.2	777	0.06	0.16	Jan 1 1	
8-May-96 4-Jun-96	tı S			22.4		7.3 7.2	1.9		813.8 1076	27. 31	3	ui i.	7	29	69	\$3,2 63.8	76.5 135	17.8 9.12	0.375	1.26	3.3 3.6	• • • •	0.13	0.07		23.
9-Jul-96 9-Aug-96		. ;		25.6		7,4 7,3	4.8		630.5 315.6	15. 15	6 9.0		4	70	39	63 R 24.6	76.4	6.46 5.3	0.16 0.03	3.56	3.3 2.9	;	0.65	0.07		13.
4-Sen-96	5			22.6	. 1	1.2	3.7	- :	720	20.	5 11	4	39 4	43 1	18	56.7	91.4	1.45	0.19	0.94	2.16		0.26	0.09	42.1	
10-Oct-96 13-Nov-96	6			15.5 15.0		7.6 7.0	2.3 3.9		847,4 1100	11. 25.						63.8 81.5	63.8	5.08. 16.8	0.12	2.12 1.28	2.43 3.66	0.012	0.14		84	23
4-Dec-96			-	17.		7.6	3.7		1010	7.						28.4	101	2.38	O.1B	2.02	2.76	0.005				. ,
min		7.2	1.5	4.0		7.0	0.0	0.0		4.			0.0 165			10.0	26.5	0.1	6.0	0.0		0.0				
max ave		7.2	37.0 17.5	30.L 16.9		8.8 7.7	89 36	90.0		193. 56.			7.0 1065 6.2 559			70.0 73.4	1424.0 116.7	56.6 7.5	1.1 0.2	30.0 3.0		0.3 0.0	3.4 0.5	0.3 0.1		

# Harmanliyska River (Station No 30060394)

Data	Q	Tu	T.,	Fh	DO	no,	F.C.	BOD5	Oxid	COD	DS	SS	CI	SO4	NH4N	NO2-N	NO3-N	PO4	Has	Fc	Ma	Ca	M¥
									(perusan)														
	(m.1/s)	(°C)	(°C)		(mg/L)	(%)		(mg/L)	(mg/L)	(mg.L)	(mg/L)	(m <sub>2</sub> /L)	(mg.L)	(mg/L)	(ing/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(org/L)	(mg/t.
12 May 91			165	1.1	23		834	9.8	12	80	481	19	355	62	1.1	0 008	1.32	133		0.76		36.1	37
11-Aug 93			23.7	7.7	52		628	6.9	7.84	. 48	439	88	14	57	0 67	0.03	1 66	4 2		0.66			
3 Feb 94			158	8 2	108		1109	21	4.8			42		76	0.42	100	0.01	8.75		0.08	0.14		
5 May 94			18 7	7.6	10.5		727.9	6.4		. 44`		\$6	52	72	0.37	0 21	0.2	3.3		0.4			
4 Aug 94			30.0	7.2	4.6		297	8.9	7.4	51		26	18	30	0.5	0.03	2.1	2.23		0.64			
9 Nov 94			13.4	7.8	106		1145	6	10.8	40				143	0.75	0.03		J.8		0 38	0.63		
9-16-0-95			14.4	7.7	10.5		770.5		5 6	42		55	30.2		1.05	0.07	2.07	18		0.07			16
JO-May-95			15.3	7.6	9.1		781		4.9	40		22	15.2	65.4	0.23	0.14	2.1	1 28		0 19	0.14		
7-Aug 95			21.0	7.6	6.8		840		5.7	38		. 59	78	64.5	1.13	0.07	2.04	2.2		0.05			16
15-Nov-95			20.0	7.5	8.4	: <sup>'</sup>	852.7		2.46	42	416	75	13.5	34.6	0.87	0.04	1.58	4.1		0,17	0.07		
E-May 96			22.3	7.6	6.3		669.7	7.15	5.6		502	18	12.4	70.2	1.23	0.1	0.11	0.87		0.12			
9-Aug-96	1		228	7,4	2.7		722 6	20 2	14.5		545	35	443	133	1.64		2.09	2.7		0.21			
13 Nov 96		i	14.9	7.9	5.2		589	6	_ 5.6	. 17	571	27	12.5	65.6	0.09	0.03	3.04	9.6		0,25	0.03	87.2	26
αû	00	0.0	13.4	7.1	2.7	0.0	297.0		2.5	17.0	416.0	180	12.4	300	0.1	0.0	0.0	0.6	0.0			55.1	16
273.3	0.0	0.0	30.0	8.2	10.8	0.0	1145.0	20 2	[4.5	800	571.0	880	78.0	143.0	1.6	0.3	3.0	42	3.0	0.8	0.7	96.2	36
ave.	#DIVA!	DIVO!	19.1	7.6	7.6	ADIYO!	789.7	8.2	7.3	44.2	492.5	43.5	37.3	71.9	0.8	0.1	1.5	2.1	#DIV/G	0.3	02	81.7	25

<sup>\*1:</sup> Disserved Oxysen

### Harmanliyska River (Station No 30060271)

···																									
Deta	, Q		T_	Tec	1	Ph .	DO 1	DO.	L. EC.	BOD5	Oxid <sup>17</sup>	COD	DS	53	CI	SOI	NH4N	NO2-N	NO3-N	P04	H2S	Fe	Mn	CR	Mg
	: : (m3/e			60	1	- 1					(beckey)		'												
1-Jun-89	- (813/1	,	(°C)	(C) 20:	÷	7.9	(mg/L)		61	(01g/L)		(mg/L)			{mg/L}	(mg/L)	(mg/L)		(mg/l.)	(mg/L)	(mg/L)	(mg/L)	(mg/L)	(ma/L)	(mg/L)
7-Sep-89	*****			19		7.7	4.		47.	77			530 522	38 36		;		0.05	0.2 3.2	0.7		0.5	0		
I-Mar-90		. :		9.		8.0	9.		ši .	161			468	34	64	114	5.5	0.11	1	2.4 2.3		1.3	0		
1-Nov-90				13.		7.8	4.				18		526	36			9.75		0.61	1.25		26	. ".		
5-Dec-90 14-Jan-91	1 .		~60			7.9	10.0		82 SQ	0 26.7			516	97	50	106	5.6	0.22	3.8.	0.35		1.6			
6-Mar-91			9.0	8.		7.1	12.		44 96 59	6. 5.5	14.4		483	- 22	36 50.9	168		0.15	20.4						
6.Jun.91	100			22		8.6	6.		70, 37 79 64			p 1	492	- 41 75	54	105 86.5	2.5 2.13	0.2 0.48	0.3 7.9	0.4 1.55		1.04			
11-Sep-91				17.	0	8.1	7.6		79 51				421	33	19.5	86		0.14		0.64		0.68		,	
3-Dec-91				5)		7.2	9.		71 64				534	33	59	103	2.8	0.05	3.9	ı			ō		
10-Mar-92 12-Mar-92	200	160		7.		8.0 7.7	11.6		90 59 51	8 58		:	504	23	62	92		0.1	0	0.9		0.5	0		
10-Jun-92	/	-1-		22		7.9	3.1	T	45 63	H 33	22.8		498 488	143 32	-SS		4.02	0.19	3.47						_
2-Sep-92				24.		8.3	- 5		64 65				464	44	50		2.5	0.19	5.5° 0.5	0.7		0.5	0,	. 60 55	52.5
8-Dec-92				7		1.5	. 83		20, 25			38	522	30	79	91	0.6	0.29	2.4	1.7		0.2	0	33	49
10-146-93	-			. 113		7.5	10.						550	70	78	72.5	11.8	0.07	0.9	4.2	•	0.66	0	50	38.9
12-Mar-93 7-Apc-93			. ;	17.		7.6		7: <b>1</b> 9.01: 1: 71.93:	121 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7			31	317	58	88 6	68.5	5.25	0.09	2.92	3.6		0.38	0	72.1	34.1
12-May-93	• • •			17.		7.4	8/					18 50			92.2	67.5 45.5	1.33	0.65	2.76			0.68		73.8	37.5
16-Jun-93	1			25		7.3	3.5					23(	561	17	75	69	0.55	0.195	5.06	1,44		0.12	0.11	52.9 93	28.7 28.7
13 Jul 93	1			25.		7.8		1: 1.070		0 29	14.4	52	567	30	68	93	5.65	0.942	1.93	4.8		0.52	0.11	66.2	38.1
31-Aug-93 8-Sep-93				22. 17.		7.6		2 23.37.				46	425	76	66	56		0.18	1.54	5.7		0,72			
134):1-93		-		22.		7.5		9 39 19 6 27.57				63 56	527 508	28 70	52 50	58	2.93	0.63	2.02	5.7		0.18		56.9	37.1
14-Dec 93		.***		ii.		7.8	9.					39 51,		70	50	94 55	3.37 6.84	0.81 0.1	0.39 1.6	6.3 5.1		0.22	0.76		
11-Jan-94				9.	6	7.7	5.					128		60	49	77.3	6.58	0.068	5.75	3.6		0.21	0.21	101	29.7
3-Feb-94				15.		7.6		0 68 88				42		82		65	2.53	0.103	0.1	5.7		0.18	0.13		•
9-Mar-94 6-Apr-94				13.1 17.1		7.6	7.6 4.3	-,					575	[4]	46	102	3.18	0.04	4.95	1.9		0.16		86.6	30 3
5-May-94			,	18.		7.3		9. 60,45;			19.2	55, 68		61 120	70	69.5 72	0.53 9.24	0.05	5.6 0.32	4.5		0.88	0.22		
8-Jun-94				18.		7.3	L					43		54	52	865	4.06	0.74	3.45	2.8 4.2		0.45	0.58	78.5	24.7
13-Jul-94	:			24.		7.5		3 46.019			10.4	34		16	50	58.5	2.37	0.12	1.9	2.46		0.38	0.01	10.5	
4-Aug-94			•	30.		7,4		0 31 57				26		61	62	38.7	4.05	0.37	3.25	2.18		0.03	0.05		
7-Sep-94 13-Oct-94				25. 17.		7.8		3 35.340 7 21.245				84, 52	3	98 50	35 48	65.5 17.5	5.15	0.09	1.11	3.9		0.06	0.48		
9-Nov-94		•		13.		7.7		79.42				55			. 15	122	4.54	0.59	2.41 3.51	3.75 4.2		0.4	0.24		
14 Dec 94	2.			18.		7.9	9,6	91.99						85	92.1	33	4.68	0.07	2.18	1.81		0.48	0.31	-	•
11-Jan-95		. 4		12.0		7.8		2, 75.444			9.7			51	35.5	62.5	0.87,	0.1	3.5	1.5		0.68	0.07	55.4	19.6
9-Feb-95 9-Mar-95				14.1 14.1		7.7		( 100.8) ( 77.854			7.84	59 51		53	38.8		1.89	0.12	1.87	2.83		0.07	0.03	83.1	16.8
12-Apr-95		•-		14.		2.5		71.25			8.64	36		90 86	46.08 31.9	53.1 79.6	1.98 0.98	0.19	2.99	9.1 1.1		0.1	0.05		
10-May-95				15.	2	7.5	7.1				. 4	41		68	45.2	68.9	2.5	0.56	2.4	1.92		0.19	0.07	-	
6-Jun-95				16.0		7.5		8 67.23			16,6	38	538	37	53.2	139	- 1.84	0.31	1.7	3.9		0.59	0.05		
4-Jul-95 4-Jul-95		i		16.		7.5	7.5				6.4	22	486	28	17.7	54.2	0.1	0.19	2.48	1.74		0.08	0.02	93.9	1116
7-Aug-95	-			22.0		7.4	6.7				12.2 7.5	46 56	526	50 28.4	39 28.4	72.1 69.8	1.37 2.t	0.05	4.73 2.12	1.48		0.23	0.02	87.8	23.5
6-Sep-95				27.		7.9	53				7.4	45	500	19	70.9	123	1.58	0.05	1.96	0.9		0.07	0.02	81.5	16.8
11-Oct-95				[ B.4		7.4			86		15.9	110	501	18	56.7	65	2.71	0.33	2.11	4.2					
15-Nov-95		:	,	10.		7.3		2 63.907			7.1	43,	416	82	78	813	1.94	0.19	1.5	5.3		0.16	0.05		
6 Dec 95 10 Jan 96				14.0		7.6	7.7 \$.5	2 69 568 5 81.406			5.6 8.32		481 486	50 25	92.2 50.3	56.2	2.1	0.18	3.94	5.02		0.15	0.05		
6 Feb 96				9.		7.5	8.6				9.36	. 39	487	31	53.2	142	7.26 2.31	0.12 <sub>.</sub> 0.13	3.09 23.1	3.96 2.65	001	0.06	0.05	103	100
6 M× 96		:		13.2	2	7.6	10.8	101.7	34, 841.	S 5.35	7.2	14	476	17	35.5	70.9	5.82	0.23	0.86	E.44		0.06	0.07	103	28.8
9-Apr-96				16.6		7.6	8.1				10.9		487	26	37.8	139	0.21	0.22	2 35	3		0.06	0.07		
8-May-96 4-Jun-96				22 : 24 :		7.4	3.8	39.727 1 51.302			7.16	50	524	29	46.1	86.4	3.83	0.49	2.58	3.3		0.12	0.18	90.9	26.7
9-Jul-96				25.0		7.5	4.9				7.26		459 494	85 29	63.8	128 86.4	1.78 2.45	0.24	4.25 2.37	4.2 <sub>.</sub> 5.1		0.08	0.02		
9-Aug-96				23.		7.4		40.112			14.8	:	479	98	53.2	65.4	1.18	0.37	4.74	4.3		0.83	0.06	79.3	22.9
4 Sep 96				22.6		7.4		29.821		6 9.5	12.8	- 44]	450	- 44	52.5	85.3	1.32	0.23	3.52	2.4		0.24	0.03	.,	
10-0-1-96				15.0		1.1		23.575			8.84	37	526	30	62	86.9	3.19	0.089	5.66	3.6		0.21	0.05		
13-Nov-96 4-Dec-96				15.1		7.7		5 51.006 5 67.074			B.3	110	554 273	126	46.1	105	6.9	0.27	2.85	2.94		0.04	0.02	89.7	28.9
	: •			10.	-: -:	1,0	0.0	31.011	. 503		13.6	110	213	217	17.7	74.6	0.73	0.13,	4.49	1.8	820.0	1.06			
min	0.		9.0	5.0		7.1	0.1		300		4.0	14.0	273.0	14.0	17.7	33.0	0.1	0.0	0.0	0.4	0.0	0.0	0.0	33.0	11.6
max	. 0	oʻ.	9.0	30.5		8.6	12.1		.7 1384.0																
ave	PDIVA		9.0	16.6		7.6	6,4				22 8 11.0	128.0 50.2	575.0° 496.0	217.0 54.2	97.2 53.7	t68.0 83.0	11.6 3.3	1.8	23.1	6.3	0.0	2.6	0.6	103.0	52.9

<sup>\*</sup> I: Dissolved Oxygen

<sup>\*2:</sup> Uzygeo stwateo io 4 at:

<sup>\*4:</sup> Oxidizability (permangenate)

<sup>\*2:</sup> Oxygen sturation in water

<sup>\*3:</sup> Electric conductivity

\*4: Oxidizability (permanence):