## Publication No. 91-e05AppA-B

Diagnostic Study of Lake Sawyer March 1991

## **APPENDIX** A

Lake Sawyer Lake and Watershed Databases This page is purposely left blank for duplex printing.

APPENDIX A.1. Lake Sawyer lake database key and explanation of field names, data units and data qualifiers.

FIELD NAME	PARAMETER	UNITS
 DATE	Date	
STN	Station	
DEP	Depth	meters
TIME	Time of Sampling	military time
SECCHI	Secchi Disk Depth	feet
EXTINCT	Light Extinction Coefficient	m^-1 (base 10)
LIGHT	Light Intensity	<pre>% incident</pre>
TEMP	Temperature	degrees C
DO	Dissolved Oxygen	mg/L
DOSAT	Dissolved Oxygen Saturation	percent
рН	pH	SU
COND	Specific Conductance	$\mu$ mhos/cm
ORP	Oxidation Reduction Potential	mV
TURB	Turbidity	NTU
ALK	Alkalinity	mg CaCO3/L
SRP	Soluble Reactive Phosphorus	μg/L
TSP	Total Soluble Phosphorus	μg/L
TP	Total Phosphorus	μg/L
NH3N	Ammonia as Nitrogen	μg/L
NO23N	Nitrate + Nitrite as Nitrogen	μg/L
TSN	Total Soluble Nitrogen	μg/L
TPN	Total Persulfate Nitrogen	μg/L
CHLa	Chlorophyll <u>a</u> (Phaeo corrected)	μg/L
FC	Fecal Coliform	#/100mL
FS	Fecal Streptococci	#/100mL
Al	Aluminum	mg/L
Fe	Iron	mg/L
CL	Chloride	mg/L
TOC	Total Organic Carbon	mg/L

Missing Data Code: "-"

Data Qualifiers:

J = Estimated value: value not accurate.
B = Analyte is found in the blank as well as the sample,
indicating possible/probable blank contamination.
U = Analyzed but not detected. The value reported is the
lower reporting limit (estimated detection limit).
P = Greater than (>).

DATE STN	DEP	TIME	SECCHI I	EXTINCT	LIGHT	TEMP	DO	DOSAT	рН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS AI	Fe	CL	L TOC
–Feb–89 1	0	1040	12.1		_	4.1	_	_	7.32	-	_	_	_	12.2	_	24.8	15.0 U	560	_	630	4.8	_		-	-	
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-Feb-89 1	3				-	3.8	-	_	7.56	-	-	_	-	12.7	-	23.5	15.0 U	670	-	630	4.3	-		-	-	
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-Feb-89 2					_	4.1	12.4	96.6%		-	-	_	-	_	_	_	-	-	-	-	-	-		-	-	
-Feb-89 2					_	4.1	12.3	95.8%		_	-	_	_	-	_	-	_	-	-	_	-	-		-	-	
'-Feb-89 2					_	4.0	12.2	94.8%		_	-	-	-	11.1	_	24.8	15.0 U	530	_	620	3.9	-		-	-	
'-Feb-89 2					_	3.8	12.2	94.3%		_	_	-	-	_	-	-	-	_	_	-	-	-		-	-	
-Feb-89 2					_	3.8	12.0	92.8%		_	_	_	-	-	_	-	_	_	-	_	_	-		· _	-	
-Feb-89 2					_	3.8	11.8	91.2%		_	-	_	-	16.1	_	26.5	15.0 U	540	-	640	3.7	~		-	-	
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-Feb-89 2					_	3.8	11.6	89.7%		_	_	-	-	-	-	-	-	-	-	-	-	-		-	-	
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'-Feb-89 3				0.2.10	57.0%		12.3	95.8%		-	-	_	-	-	_	_	_	-	-	-	-	-		-	-	
'-Feb-89 3					36.3%		12.3	95.8%		_	_	-	_	_	_	-	_	_	_	-	-	_		_	-	
-Feb-89 3					24.4%		12.2	95.1%		149	_	1.4	47.0	13.7	_	24.3	15.0 U	505	_	640	3.9	_		-	-	
-Feb-89 3					14.7%		12.2	95.1%			_	_		-		-	_	_	_	_	_	_		_	-	
-Feb-89 3					8.4%		12.2	94.8%			_		_	_	_	_	_	_	_	_	-	-		_	-	
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							12.2	94.8%		150	-	1.0	40.0	11.5	_	-	-	-	_	-	-	_		_	-	
7-Feb-89 3					2.6%			92.8%		-	-	-	-	-	-	-	-	-	_	_	_	_		_	-	
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7-Feb-89 4	1				-	3.9	12.5	96.9%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
'-Feb-89 4	2				-	3.8	12.4	95.9%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
-Feb-89 4	З				-	3.8	12.3	95.1%	7.43	-	-	-	-	11.1	-	23.5	15.0 U	490	-	600	5.3	-		-	-	
-Feb89 4	4				-	3.7	12.2	94.1%		-	-	-	-	-	-	-	-	-	-	-	-	- ,		-	-	
-Feb-89 4	5				-	3.6	12.0	92.3%		-	-	-	-		-	-	-	-	-	-	-	-		-	-	
-Feb-89 4	6				-	3.6	11.9	91.5%	7.49	-		-	-	17.8	-	22.1	15.0 U	500	-	630	4.2	-		-	-	
-Feb-89 4	7				-	3.6	11.8	90.7%		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
-Feb-89 4	8				-	3.6	11.8	90.7%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
-Feb-89 4	9				-	3.5	11.8	90.5%	7.49	-	-	-	-	12.4	-	22.8	15.0 U	520	-	640	-	-		-	-	
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	11				-		11.6	89.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
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27-Feb-89 27-Feb-89	4 15			-	3.5 3.5	-	-	7.36	-	_	_	_	-	_	-	-	-	-	-	-	_	-	-	-	-	-
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27-Feb-89	53			-	3.3	12.5	95.4%	7.39	-	-	-	-	13.2	_	24.1	15.0 U	465	-	630	7.7	-	-	-	-	-	-
27-Feb-89	54			-	3.3	12.4	94.6%	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Feb-89	55			-	3.3	12.2	93.1%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Feb-89	56			-	3.3	12.2	93.1%	7.44	-	-	-	-	11.6	-	22.9	15.0 U	490	-	640	5.7	-	-	-	-	-	-
27-Feb-89	57			-	3.3	12.1	92.3%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27-Feb-89	58			-	3.3	11.8	90.0%	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89	1 0	1040	8.5	_	7.1			7.81	_	_	_	_	_	_	32.0	_	_	_	750	5.3	_	-	_		_	-
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20-Mar-89	20	1050	8.8	-	7.6	-	-	7.31	-	-	-	_	-	-	15.2	-	-	-	600	5.8	-	-	-	-	-	-
20-Mar-89	2 1			-	6.5	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-
20–Mar–89	22			-	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	~
20–Mar–89	23			-	6.2	-	-	7.53	-	-	-	-	-	-	24.9	-	-	-	590	13.1	-	-	-	-	-	-
20-Mar-89	24			-	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89	25			-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	- 1	-	-	-	-	-	-	-
20–Mar–89	26			-	5.4	-	-	7.33	-	-	-	-	-	-	19.8	-	-	-	600	9.5	-	-	-	-	-	-
20-Mar-89	27			-	5.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20Mar89	28			-	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20–Mar–89	30	1103	8.2 0.411	-	7.6	-	-	7.22	-	-	1.4	46.1	8.7	8.1	18.8	15.0 U	470	485	615	7.1	0	0	-	-	-	-
20-Mar-89	31			42.2%	6.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89	32			14.8%	6 6.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89	33			5.3%		-	-	7.42	-	-	2.3	46.4	7.9	8.1	24.1	19.3	400	419	615	18.7	-	-	-	~	-	-
20-Mar-89	34			2.19		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89	35			1.0%		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- 4.6
20-Mar-89	36				6 5.5	-	-	7.25	-	-	1.1	46.3	9.2	9.3	21.6	15.0 U	460	475	580	11.3	-	-	25 U	60	-	4.0
20–Mar–89	37				6 5.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89				0.1%		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20-Mar-89					6 4.8	-	-	7.41	-	-	-	46.5		-	19.0	18.2	450	468	580	-	-	-	-	_	-	-
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20-Mar-89					6 4.6	-	-	7.15	-	-	-	47.6		-	20.6	17.7	460	478	620	_	-	_	-	_	_	_
20-Mar-89	3 13				6 4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	_	_	-	_	-	_
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20-Mar-89 20-Mar-89	3 15 3 16			-	4.1	-	-	6.92	-	-	-	48.3	10.5	-	25.6	27.0	460	407	-	_	-	_	-	-	_	-
20-Mar-89 20-Mar-89				-	4.1	-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-	_	-	-	_	-
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DATE	STN	DEP	TIME	SECCHI E	XTINCT	LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL TOC
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20-Mar-89			010			-	4.0	-	-	-	-	-		- 46.2	- 8.1	- 11.0	- 26.0	- 15.0 U	350	_	610	23.8	0	0	-	_	
20–Mar–89 20–Mar–89	4	01	210	8.3		-	7.0 6.6	-	_	7.54	-	_	1.1	40.2	-	-		-	-	-	-	_	_	_	-	-	
20-Mar-89	4	2				-	6.1	-	_	_	_	_	_	_	_	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	3				_	5.7	_	_	7.78	_	_	1.0	46.0	8.2	9.0	30.7	18.7	385	_	600	17.3	-	-	-	_	
20-Mar-89	4	4				_	5.5	-	-	_	_	_	_	_	-	-	_	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	5				-	5.4	_	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	6				-	5.1	-	_	7.19	_	-	0.9	46.8	8.1	5.8	17.3	16.6	430	-	580	10.5	-	-	40	53	- 5.4
20-Mar-89	4	7				-	4.8	-	_	-	_	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	8				-	4.8	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	9				-	4.7	-	-	6.55	-	-	_	47.0	10.5	-	15.7	21.8	440	-	620	-	-	-	-	-	
20-Mar-89	4	10				-	4.7	-	-	_	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	11				-	4.6	-	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	12				-	4.6	-	-	6.66	-	-	-	47.9	9.4	-	16.0	24.9	440	-	610	-	-	-	-	-	
20-Mar-89	4	13				-	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	14				-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	4	15				-	4.4	-	-	6.64	-	-	-	47.9	10.7	-	28.2	40.5	445	-	690	-	-	-	40	84	- 4
20–Mar–89	4	16				-	4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	5	0	255	8.6		-	6.4	-	-	7.64	-	-	-	-	-	-	23.1	-	-	-	565	21.7	-	-	-	-	
20–Mar–89	5	1				-	6.2	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-		
20–Mar–89	5	2				-	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20–Mar–89	5	з				-	5.6	-	-	7.46	-	-	-	-	-	-	19.8	-	-	-	590	18.1	-	-	-	-	
20-Mar-89	5	4				-	5.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20-Mar-89	5	5				-	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20Mar-89	5	6				-	5.0	-	-	7.09	-	-	-	-	-	-	18.3	-	-	-	550	9.2	-	-	-	-	
20-Mar-89	5	7				-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
20–Mar–89	5	8				-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	1	0	1117	10.5		-	11.0	9.0	82.7%	7.01	147	-	_	_	-	-	25.8	_	-	-	646	7.6	-	-	-	-	
10–Apr–89						-	8.1	10.1	87.1%	7.09	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10–Apr–89	1	2				-	7.5	10.4	88.2%	7.16	141	-	-		-	-	-	-,	-	-	-	-	-	-	-	-	
10-Apr-89	1	3				-	7.3	10.4	87.7%	7.13	141	_	-	-	-	-	21.9	-	-	-	556	10.3	-	-	-	-	
10-Apr-89	1	4				-	7.2	10.2	86.4%	7.18	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	1	5				-	7.1	10.1	84.8%	7.16	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	1	6				-	7.0	10.1	84.3%	7.15	141	-	-	-	-	-	19.9	-	-	-	656	10.9	-	-	-	-	
10-Apr-89	2	0	1138	7.5		-	10.1	12.1	109.4%	7.69	137	-	-	-	-	-	16.7	-	-	-	556	9.5	-	-	-	-	
10-Apr-89	2	1				-	9.0	12.4	108.8%	7.68	137	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
10-Apr-89	2	2				-	8.8	12.4	108.5%	7.68	137	-	-	-		· -	-	-	-	-	-	-	-	-	-	-	
10-Apr-89		з				-	8.6	12.1	105.9%	7.62	138	-	-	-	-	-	16.4	-	-	-	596	11.2	-	-	-	-	
10-Apr-89	2	4				-	7.8	10.5	89.6%	7.27	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	2	5				-	7.2	10.5	88.8%	7.22	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	2	6				-	7.0	10.3	86.4%	7.20	142	-	-	-	-	-	19.2	-	-	-	616	8.6	-	-	-	-	
10-Apr-89	2	7				-	7.0	10.2	85.1%	7.17	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3	0	1201	8	0.361	-	10.7	12.4	114.0%	7.86	138	-	1.4	44.0	5.8	8.0	16.9	15.0 U	431	486	563	8.6	2	0	-	-	
10-Apr-89	3	1				46.6%	6 9.7	12.4	111.2%	7.90	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3	2				21.1%	6 9.5	12.5	111.4%	7.83	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3	з							109.4%			-	1.4	44.1	7.0	6.8	19.3	15.0 U	464	340	604	10.5	-	-	-	-	
10-Apr-89	3	4				3.3%	6 9.1	12.3	108.4%	7.69	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3	5				1.6%	6 8.6	11.7	101.8%	7.61	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3	6				0.89	6 7.6	11.2	95.4%	7.43	140	-	1.2	44.3	7.2	9.5	17.7	15.0 U	490	506	596	11.2	-	-	45 B	82 B	- 6.55

DATE	STN	DEP TIM	E SECCHI EXTINCT	LIGHT	ТЕМР	DO	DOSAT p	H CON	D O	RP TURE	ALK	SRP	TSP	ТР	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	Al	Fe	CL TO
		_															,						_	
10-Apr-89						11.2	94.9% 7.				-	-	-	-	-	-	-	-	-	-	-	_	_	
10-Apr-89	3			0.2%	7.4	10.8 10.4	91.4% 7.				- 45.3	7.2	_	- 16.9	- 18.4	453	_	586	_	_	_	-	-	
10–Apr–89 10–Apr–89	3 3	9 10		0.1%		9.9	86.9% 7. 82.4% 7.					-	_	-	-	-	_	-	_	-	-	-	-	
10-Apr-89	3			0.0%		9.6	78.4% 7.				_	_	_	-	-	-	-	-	_	_	-	-	-	
10-Apr-89	3			0.0%		9.4	76.3% 7.				47.0	6.2	-	15.9	25.7	518	-	623	-	-	-	-	-	
10-Apr-89	3			0.0%		9.0	73.3% 7.				_	_	_	_	_	-	-	-	-	-	-	-	-	
10-Apr-89	3			0.0%		8.9	71.8% 7.				_	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3			0.0%		8.8	70.9% 7.		6		47.0	7.1	-	18.9	30.0	515	-	613	-	-	-	41 B	81 B	- 5.
10-Apr-89	3			-	5.6	8.8	71.1% 7.		6		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3			-	5.5	8.3	67.4% 7.		6		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	3	18		-	5.5	8.1	65.7% 7.	04 14	7		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4	0 130	7 8.5	-	11.5	12.3	114.8% 7.	96 13	7	- 1.8	43.5	5.4	6.8	18.2	15.0 U	429	506	516	8.9	0	0	-	-	
10-Apr-89	4	1		-	10.0	12.5	112.3% 7.	96 13	7		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4	2		-	9.8	12.4	111.7% 7.	94 13	6		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4	з		-	9.7	12.4	111.5% 7.	90 13	7	- 1.4	43.6	5.4	5.0 U	19.2	15.0 U	377	471	551	11.0	-	-	-	-	
10-Apr-89	4	4		-	9.7	12.4	111.0% 7.	85 13	7		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4	5		-	8.8	11.8	103.8% 7.	59 13	8		-	-	-	-	-	-	-	-	-	-	-	-	-	
10–Apr–89	4	6		-	8.2	11.6	99.9% 7.	47 13	8	- 1.4	44.1	5.7	5.0 U	16.2	15.0 U	479	507	636	11.0	-	-	45 B	84 B	- 6
10–Apr–89	4	7		-	7.0	10.2	85.9% 7.	24 14	2		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4	8		-	6.1	9.5	77.6% 7.	16 14	5		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4	9		-	6.0	9.3	76.2% 7.	09 14	5		46.0	5.9	-	15.7	22.7	515	-	596	-	-	-	-	-	
10-Apr-89	4	10		-	6.0	9.3	76.4% 7.	08 14	5		-	-	-	-	-	-	-	-	-	-	-	-	-	
10–Apr–89	4	11		-	5.7	9.0	73.2% 7.	06 14	6		-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4			-	5.7	9.0	72.8% 7.				46.6	7.0	-	18.2	27.9	515	-	501	-	-	-	-	-	
10-Apr-89	4			-	5.7	9.0	72.8% 7.				-	-	-	-	-	-	-	-	-	-	-	-	-	
10-Apr-89	4			-	5.6	9.0	72.5% 7.				-	-	-	-	-	-	-	-	-	-	-	-	- 99 B	- 4
10-Apr-89	4			-	5.5	8.6	69.5% 7.				46.7	6.2	-	17.4	26.8	486	-	616	-	-	-	41 B	99 B	
10-Apr-89	4			-	5.5	8.6	69.5% 7.				-	-	-	-	-	-	-	- 591		-	-	-	_	_
10-Apr-89	5	0 135	3 7.5	-	11.1	12.5	115.9% 8.				-	-	-	14.9	-	-	-	591	8.7	-	_	_	_	_
10-Apr-89	5	1		-	10.1	12.5	113.1% 8.				-	-	-	-	-	-	-		_	_	_	_	_	_
10-Apr-89	5	2		-	9.8	12.5 12.4	112.3% 7.				-	-	-	- 15.7	-	_	_	646	9.0	_	_	_	-	
10-Apr-89	5	3 4		-	9.7 9.7	12.4	111.4% 7. 111.4% 7.				-	_	_	-	_	_	_	-	-	_	_	-	_	
10–Apr–89 10–Apr–89	5 5	4 5		-	9.7 8.2	11.7	100.8% 7				-	_		_	_	_	_	_	_	_	-	_	-	_
10-Apr-89	5			-	7.5	11.1	94.2% 7				_	_	_	15.7	_	_	_	596	10.1	_	-	_	-	-
10-Api-09	5	U		-	7.5		54.276 7.							10.7										
1-May-89	1	0 103	5 12.0	_	15.1	11.3	114.4% 7	.82 14	.1		_	_	_	21.8	_	-	-	408	4.8	_	-	-	-	-
-	1	1		_			115.8% 7				-	-	-	_	-	-	-	_	-	-	-	-	-	-
1-May-89	1	2		_	14.4	11.8	117.1% 7				_	-	-	-	-	_	_	_	-	-	_	-	-	-
1-May-89				_			106.0% 7				-	-	-	15.3	-	-	-	449	5.8	-	-	-	-	-
1-May-89				-			112.4% 7				-	-	-	-	-	_	-	-	-	_	_	-	-	-
1-May-89				_	9.5	9.3	83.3% 7				_	-	-	-	-	-	-	-	_	-	-	-	-	-
1-May-89				_	8.6	7.6					_	-	-	22.5	-	-	-	511	5.8	-	-	-	-	-
1-May-89			0 11.5	-			114.9% 7				-	-	-	12.3	-	-	-	459	6.3	-	_	-	-	-
1-May-89				-			114.8% 7				-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-May-89				-			115.8% 7				_	-	_	-	-	-	-	-	-	-	-	-	-	_
1-May-89				-			111.8% 7.				-	-	-	12.5	-	-	-	422	5.9	-	-	-	-	-
1-May-89	2	4		<u> </u>			108.8% 7		88		-	-	-	-	-	-	-	-	-	-	_	-	-	-
1-May-89	2	5		-			100.3% 7		37		-	-	-	_	-	-	-	_	-	-	_	_	-	-

					EXTINCT				DOSAT							TSP	ТР	NH3N	NO23N							
01- <b>M</b> ay-89	2	6				_	7.7	7 7.4	i 62.9%	% 7.09	143	_	-	-	-	-	11.3	-	-	-	560	4.1	-		-	
01-May-89						-	_	-	-	-	_	· _	-	-	-	-	-	-	-	-	-	-	-		-	
01-May-89			1130	12	0.302	-	14.5	ə 11.E	5 115.9%	6 7.93	139	-	0.9	46.3	6.9	5.0 U	12.4	28.7	240	333	457	6.3	1	1 -	-	
01-May-89									5 115.8%			-	-	-	-	-	-	-	-	-	-	-	-		-	
01-May-89									5 116.2%			-	_	-	-	-	-	_	-	-,	-	-	-		-	
01May-89									6 116.6%			-	0.9	46.3	5.0 U	5.0 U	12.3	30.6	225	353	440	6.3	-		-	
01May-89									1 116.0%			_	_	_	-	-	_	-	-	-	-	-	-		-	
01-May-89								5 11.7				_	_	_	-	_	-	-	_	-	-	-	-		-	
01-May-89			1138			1.5%				% 7.24		_	0.8	44.7	6.3	5.1	14.1	46.1	350	455	542	9.6	-	- 35 B	63 B	- 6.51
01-May-89			1100				% 8.0 % 8.0			% 7.13		_	-	-	-	-	-	_	-	_	-	_	_		-	
-						0.8%				% 7.04		_	_	_	_	-	_	_	_	-	-	-	-		-	
01-May-89						0.4%				% <i>6.</i> 97		-	-	- 46.0	- 6.3	-	11.8	50.6	410		582	-	-		-	
01-May-89										% 6.89		-	-		_	-	-	-	-	_	-	-	_		-	
01-May-89			1146			0.1%				% 6.89 % 6.88		_	_	-	_	-	-	_	-	_	_	_	_		-	
01-May-89			1140			0.1% -				% 6.88		_	-	- 46.0	- 7.4	-	- 11.8	- 20.7	425	_	570	-	_		-	
01-May-89						-	6.5			% 6.86		_	-	40.0	/. <del>~</del>	-	-	_	-		-	-	-		-	
01-May-89						-	6.4					-	_	-	-		-	-	_	_	-	_	_		_	
01-May-89						. –	6.3			% 6.86		-	-	- 46.3	- 5.0 U	-	- 11.8	- 21.1	400	_	516	-	_	- 31 B	95 B	- 6.78
01-May-89						-	6.3			% 6.85			-	40.0	5.0 0	-	-		-	-	-	-	_		-	
01-May-89			1050			-	6.2			% 6.83			-	-	-	- 5.0 U	- 12.9	- 16.2	230	323	- 434	7.0	0	0 -	-	
01-May-89			1252	11		-		7 11.6				-	0.9	46.1	5.0 U	5.0 U	12.9	10.2	200	. 020		-	-		-	
01-May-89						-		8 11.6				-	-	-	-	-	-	-	-	_	-	-			_	
01-May-89						-	14.8					-	-	-	-	-		-	-			- 6.3			_	
01-May-89						-		.8 11.6				-	0.8	45.5	5.0 U	5.4	11.8	15.6	235	313	388	0.0	-		_	
01-May-89			1258			-		6 12.0					-	-	-	-	-	-	-	-	-	-			-	
01–May–89						-	9.2			% 7.51		-	-	-	-	-	-	-	-	-	-	-	-	 - 31 B	- 52 B	5.64
01–May–89						-	7.9			% 7.21		-	0.9	45.1	5.0 U	5.6	13.3	18.8	370	435	561	8.5	-	- 31 B	92 D	
01 <b>-M</b> ay-89						-	7.2			% 7.04		-	-	-	-	-	-	-	-	-	-	-	-		-	
01–May–89			1303			-	7.0			% 6.98			-	-	-	-	-	-	-	-	-	-	-		-	
01–May–89						-	6.8			% 6.92			-	45.6	5.0 U	-	11.8	19.3	410	-	501	-	-		-	
01–May–89	4	10				-	3.7			% 6.88			-	-	-	-	-	-	-	-	-	-	-		-	
01–May–89	4	11				-	6.6			% 6.85			-	-	-	-	-	-	-	-	-	-	-		-	
01– <b>May–</b> 89						-	6.5			% 6.84			-	46.1	5.3	-	10.8	18.6	390	-	583	-	-		-	
01–May–89	4	13				-	6.4	.4 6.8		% 6.82		-	-	-	-	-	-	-	-	-	-	-	-		-	
01–May–89	4	14				-	6.3	.3 6.5		% 6.80		-	-	-	-	-	-	-	-	-	-	-	-		-	 671
01 <b>M</b> ay89	4	15	1331			-	6.2	.2 5.0	) 41.2%	% 6.76	5 146	-	-	47.0	5.3	-	13.1	27.1	370	-	575	-	-	- 32 B		- 6.71
01–May–89	5	0	1356	11		-	14.6	.6 11.8	8 118.2%	6 8.10	D 138	-	-	-	-	-	13.2	-	-	-	460	7.9	-		-	
01–May–89	5	1				-	14.7	.7 11.8	8 118.5%	∕₀ 8.08	B 140	-	-	-	-	-	-	-	-	-	-	-	-		-	
01–May–89	5	2				· -	14.	.7 11.8	8 118.4%	<b>% 8.07</b>	7 142	-	-	-	-	-	-	-	-	-	-	-	-		-	
01-May-89	5	з				-	14.	7 11.8	8 117.8%	∕₀ 8.04	4 142	-	-	-	-	-	13.6	-	-	-	364	6.7	-		-	
01-May-89	5	4				-	13.4	4 11.F	6 112.5%	<i>№</i> 7.65	5 139	-	- '	· -	-	-	-	-	-	-	-	-	-		-	
01 <b>-M</b> ay-89	5	5				-	7./	.8 8.8	8 74.9%	∕₀ 7.24	+ 141	-	-	-	-	-	-	-	-	-	-	-	-		-	
01 <b>-M</b> ay-89	5	6				-	7./	3 7.9	9 66.8%	∕ 7.04	+ 141	-	-	-	-	-	12.1	-	-	-	634	7.6	-		-	
01–May–89	5	7				-	7.8	.8 7.8	8 67.09	∕₀ 6.97	7 141	-	-	-	-	-	-	-	-	-	-	-	-		-	
01-May-89	5	8				-	7.9	5 7.5	5 63.9%	6.93	142	-	-	-	-	-	-	-	-	-	-	-	-		-	
22–May–89	1	0	1014	8.0		-			4 117.9%			-	-	-	-	-	16.1	-	-	-	317	7.6	-		-	
22–May–89	1	1				-	16.	1 11.4	4 118.39	<i>∕</i> ₀ 7.89	9 139	-	-	-	-	-	-	-	-	-	-	-	-		-	
22-May-89	1	2				-	15./	4 12.1	1 123.4%	∕₀ 7.87	7 139	-	-	-	-	-	-	-	-	-	-	-	-		-	
22–May–89		~				_	14	9 11	7 118.4%	% 7.7℃	0 137	-	-	-	-	-	24.3	-	-	-	372	12.5	-		-	

DATE	STN	DEP T	ME S	ECCHI EXTINCT	LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	ТР	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL	тос
22-May-89	1	5			_	11.6	8.3	77.3%	6.59	162	_	-	-	-	_	_	_	-	-	_	_	-	_	_	-	-	-
22-May-89	1	6			_	10.0	6.9		6.43	144	_	_	_	-	-	20.7	_	-	-	521	5.5	-	-	-	-	-	-
22-May-89	2	0 10	031	8.0	_	16.2		118.7%			-	-	-	_	-	13.7	-	_	-	322	7.1	-	-	-	-	-	-
22-May-89	2	1			-	16.1	11.6	119.9%		139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
- 22-May-89	2	2			-	15.4	12.3	125.1%	7.95	139	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	2	3 10	)34		-	14.4	12.0	119.8%	7.56	136	-	-	-	-	-	21.3	-	-	_	317	12.3	-	-	-	-	-	-
22-May-89	2	4			-	13.1	10.6	103.1%	5 7.00	140	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
22–May–89	2	5			-	11.2	10.5	97.6%	6.76	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	2	6			-	9.5	6.5	57.6%	6.49	142	-	-	-	-	-	15.9	-	-	-	541	3.6	-	-		-	-	-
22–May–89	2	7			-	8.4	4.6	40.3%	6.32	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22–May–89	з	0 10	051	8.0 0.332	-	16.2	11.5	119.6%	7.96	139	-	1.4	47.0	5.0 U	5.0 U	16.0	15.4	56	187	319	6.7	1	0	-	-	-	-
22-May-89	3	1			46.29	6 16.0	11.6	120.2%	5 7.97	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	3	2			24.69	6 15.8	11.7	120.2%	8.00	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	3	3			9.19	6 15.1	12.3	124.2%	7.94	139	-	1.5	46.4	5.0 U	5.0 U	17.4	15.0 U	63	339	331	8.9	-	-	-	-	-	-
22-May-89	3		)57			6 13.1	11.8	114.4%		139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	3	5				6 11.1	10.6		6.83	139	-	-	. –	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	3	6			1.19		7.6		6.53	140	-	1.1	44.8	6.7	6.5	15.1	39.6	226	309	561	6.9	-	~	33 B	62.	-	5.52
22-May-89	3	7			0.69		5.9		6.37	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	3	8			0.49		5.3	44.8%		141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89					0.29		5.0	41.8%		141	-	-	44.9	6.9	-	11.2	15.0 U	407	-	534	-	-	-	-	-	_	_
22-May-89		10 11	103		0.19		4.7		6.18		-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	_	_
22-May-89					-	6.8	4.8		6.15		-	-	-	- 5.9	-	- 11.2	- 15.0 U	- 413	-	- 521	-	-	_	_	_	_	_
22-May-89 22-May-89	3 3				-	6.7	4.3		6.12 6.10		-	-	45.7	5.9	-	11.2	15.0 0	-	_	-	_	_	_	_	-	-	-
22-May-89 22-May-89	3				-	6.6 6.6	4.4 4.4		6.09	143	_	_	_	_	_	_	-	_	_	_	-	-	_	-	_	_	-
22-May-09 22-May-89	3				_	6.5	4.4		6.07	143	_	_	46.0	8.3	_	15.4	15.0 U	395	-	552	_	-	_	30 B	137	-	4.61
22-May-89					_	6.5	4.2		6.06	143	_	_	_	-	_	_	_	_	_	_	-	-	-	-	-	-	-
22-May-89		17 11	110		_	6.4	3.2		6.03		-	-	-	-	_	_	-	-	_	-	-	_	-	-	-	-	-
22-May-89			154	8.6	-	16.5	11.4	119.2%			-	1.4	46.0	5.0 U	5.0 U	9.6	15.0 U	68	203	300	7.3	1	0	-	-	-	-
22-May-89	4	1			-	16.0	11.5	119.1%		138	-	_	-	-	-	-	-	-	_	_	-	-	-	-	-	-	-
22-May-89	4	2			-	15.8	11.6	119.5%		139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	4	3			-	15.2	11.9	121.1%	6 8.05	138	-	1.8	46.9	5.0 U	5.1	26.2	15.0 U	55	207	372	8.9	-	-	-	-	-	-
22-May-89	4	4			-	13.3	11.2	108.5%	6 7.22	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	4	5			-	10.0	9.1	81.6%	6.62	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	4	6			-	8.6	6.2	53.8%	6.45	140	-	0.9	45.0	6.5	5.8	17.5	57.1	331	530	623	10.0	-	-	37 B	65	-	4.98
22–May–89	4	7			-	7.9	5.5	47.3%	6.34	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22–May–89	4	8 12	205		-	7.3	5.1	43.3%	6.22	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22–May–89	4	9			-	7.1	5.1	42.6%	6.19	141	-	-	45.0	5.4	-	12.2	16.0	357	-	613	-	-	-	-	-	-	-
22–May–89	4	10			-	6.9	5.0	41.6%	6.16	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22–May–89	4	11			-	6.9	5.0	41.9%	6.13	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22–May–89	4	12			-	6.7	4.9	41.19	6.11	143	-	-	45.3	5.7	-	10.0	70.1	432	-	527	-	-	-	-	-	-	-
22-May-89	4	13			-	6.6	4.5	37.5%	6.09	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22May89					-	6.6			6.07		-	-	46.3	6.2	-	13.4	27.5	394	-	541	-	-	-	-	-	-	-
22-May-89					-	6.5			6.04		-	-	-	-	-	-	-	-	-	-	- '	-	-	33 B	96.	-	3.33
22-May-89			244	7.9	-			121.79			-	-	-	-	-	17.9	-	-	-	298	9.2	-	-	-	-	-	-
22-May-89					-	16.0					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89					-	15.8		122.0%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89			247		-	15.3		121.8%			-	-	-	-	-	20.1	-	-	-	322	11.5	-	-	-	-	-	-
22-May-89					-	13.2		126.1%			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22-May-89	5	5			-	10.0	8.6	77.3%	6.70	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DATE	STN	DEP TI	MES	ECCHI EXTINCT	LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	Al		Fe	CL	тос
22–May–89	5	6			_	8.7	5.4	47.6%	6 44	141	_	_	_	_	_	20.6	_	_	-	552	16.7	-	_	-		_	-	_ ·
-	5	7 12	53		_	7.7	4.8	41.4%		141	_	-	_	-	_	-	-	-	-	_	_	-	-	_		-	-	-
22May89 22May89	5		55		_	-	-	-	-	-	_	_	_	_	_	-	_	-	-	-	-	-	-	-		-	-	-
	-	-																										
12–Jun–89	1	0 10	00	10.5	· -	21.1	10.8	123.2%	7.58	138	-	-	-	-	-	15.8	-	-	-	136	4.5	-	-	-		-	-	-
12-Jun-89	1	1			-	21.1	10.7	122.2%	7.62	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	1	2			-	20.6	11.1	126.3%	7.60	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12-Jun-89	1	3			-	19.5	10.2			136	-	-	-	-	-	17.4	-	-	-	295	5.7	-	-	-		-	-	-
12–Jun–89	1	4			-	16.3	14.7	153.2%	7.88	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	1	5 10	06		-	12.8	9.8	94.6%	6.86	146	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	1	6			-	10.1	3.0	27.0%		144	-	-	-	-	-	21.2	-	-	-	541	12.0	-	-	-		-	-	-
12–Jun–89	2	0 10	18	10.5	-	21.2	10.7	122.5%	7.62	139	-	-	-	-	-	13.8	-	-	-	258	4.0	-	-	-		-	-	-
12–Jun–89	2	1			-	21.2	10.7	123.0%	7.63	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	2	2 10	21		-	20.6	11.2	126.9%	7.69	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	2	3			-	19.1	11.9	130.4%	7.46	141	-	-	-	-	-	18.2	-	-	-	234	7.6	-	-	-		-	-	-
12–Jun–89	2	4			-	15.7	14.8	151.9%	7.72	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	2	5			-	12.3	10.4	98.5%		148	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	2	6 10	30		-	10.5	4.3	39.0%		144	-	-	-	-	-	25.4	-	-	-	528	17.0	-	-	-		-	-	-
12–Jun–89	2	7			-	8.7	2.6	22.6%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	2	8			-	7.4	2.8	23.3%		143	-	-	-	-	-	-	-		-	-	-	-	-	-		-	~	-
12–Jun–89	3	0 10	41	10.5 0.347	-	21.0	10.8	123.4%		138	-	1.4	47.9	6.1	5.5	11.0	15.0 U	5 U	120	211	4.0	0	0	-		-	2.3	-
12-Jun-89	3	1				6 21.1	10.8	123.5%		138	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	3	2			24.49	6 20.7	11.0	124.9%		138	-	-	- 1	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12-Jun-89	3	3.			9.6%	% 18.9				137	-	1.1	47.6	6.6	6.8	20.6	15.0 U	5 U	174	164	7.0	-	-	-		-	2.1	-
12–Jun–89	3	4			4.49	6 15.5	16.6	170.0%	8.24	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	3	5			1.79	6 12.1	10.5	99.4%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12–Jun–89	3	6			0.89	% 9.8	4.3	38.2%	6.54	141	-	2.6	46.8	9.0	8.0	26.6	31.6	200	433	572	16.1	-	-	30	В	59	B 2.3	8.27
12-Jun-89	3	7 10	52		0.59	6 8.7	3.7	32.0%	6.34	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12-Jun-89	3	8			0.39		3.3	28.2%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	3	9			0.19		3.4	28.7%		142	-	-	44.6	8.2	-	12.8	15.0 U	340	-	553	-	-	-	-		-	2.3	-
12–Jun–89	3	10			0.19		3.4	28.7%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89		11 10	56		-	7.1	3.1	26.3%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	2.3	_
12–Jun–89		12			-	7.0	2.9	24.7%			-	-	46.1	10.3	-	17.0	67.9	390	-	517	-	-	-	-		-	2.0	_
12-Jun-89		13			-	7.0	2.9	24.3%			-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	_	_
12–Jun–89		14			-	6.9	3.0	24.9%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	- 30 B	<b>.</b> .	- 196 B	2.3	- 7.85
12-Jun-89		15			-	6.8	2.9	23.9%		142	-	-	47.4	12.3	-	21.4	15.0 U	335	-	602	-	-	-	30 B	3 1	90 D	2.0	7.00
12-Jun-89	3	16 11	01		-	6.7	2.3		6.10	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	_	_
12–Jun–89	3	17			-	6.7	2.2	18.3%		143	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	_	_
12-Jun-89	4	0 11	59	10.8	-	21.4	10.5	120.9%		137	-	0.1	47.4	5.3	5.5	11.1	15.0 U	5 U	125	214	3.1	2	0	-		-	-	-
12–Jun–89	4	1			-	21.1				137	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12-Jun-89	4	2			-	20.9				137	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12-Jun-89					-	19.6		134.5%			-	1.4	47.8	6.1	6.3	20.5	15.0 U	-	165	170	5.0	-	-	-		-	-	-
12-Jun-89		4			-	15.5					-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89					-	12.5					-	-	-	-	-	-	-	·-	-	-		-	-	-	_	-	-	-
12-Jun-89	4	6 12	07		-	10.6	7.0	64.0%		140	-	1.9	50.2	6.9	7.8	25.6	15.0 U	180	274	449	25.8	-	-	39 E	3	80 B	-	7.57
12-Jun-89	4	7			-	9.1	4.0	34.9%	6.51	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	4	8			-	8.1	6.5	56.0%	6.36	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12–Jun–89	4	9			-	7.6	3.5	30.2%	6.27	141	-	-	45.6	8.5	-	13.4	15.0 U	290	-	683	-	-	-	-		-	-	-
12–Jun–89	4				-	7.4	3.9	33.2%	6.24	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
12-Jun-89	4	11			-	7.2	4.2	35.0%	6.22	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-

DATE	STN	DEP	TIME	SECCHI	EXTINCT	LIGHT	TEMP	DO	DOSAT	рН С	OND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC FS AI	Fe	
														45.4			0.6	15.0.11	385		565	_		_	
12-Jun-89						-	7.0	4.0	33.6%		143	-	-	45.1	9.3	-	9.6	15.0 U	-	-	505			_	
12–Jun–89		13				-	7.0	3.5	29.5%		141		-	-	-	-	-	-	_	_	_	_		-	_ ·
2–Jun–89			1017			-	6.9	2.9	24.4%		143	-	-	-	-	-	- 15.1	- 15.0 U	370	_	565	_	33 B	195 B	- 7.
12-Jun-89						-	6.8	0.5	4.1%		149	-	-	46.4	13.4	-	15.1	15.0 0	5/0	_	-	_		-	
12–Jun–89			1219			-	14.7	17.1	172.0%		140	-	-	_	-	_	_	_	_	_	_	-		-	
12–Jun–89	4		1222			-	20.8	11.0 10.8	124.9%		139 137	-		-	-	-	13.1	-	_	_	274	3.4		-	
12–Jun–89 12–Jun–89	5 5	1	1327	11		-	21.2 21.2		123.8% 124.1%		137	_	-	_	_	_	-		_	-		-		-	_
12-Jun-89	5	2				-	21.2				137	-		_	_	_	_	_		_	_	-		-	_
12–Jun–89		3				-			143.3%		138	-	-	_	_	_	24.0	_	_	_	363	5.1		-	_
12-Jun-89	5	4				-	15.4		174.3%		139	-	-	_	_	_	24.0	_	_	_	-	-		-	_
		4 5				-	12.4	13.0	123.7%		142	-	-	_	_	_	_	_	_	_	_	_			-
12–Jun–89	5					-			58.5%			-	-	-	_	-	36.5		_	_	479	26.5		_	-
12–Jun–89	5	6				-	10.5	6.4	56.570	0.00	141	-	-	-	-	-	50.5	-			470	20.0			
10-Jul-89	1	0	1003	12.5		_	19.6	9.3	103.8%	7.78	144	_	_	-	_	-	15.3	-	-	-	289	3.9		-	-
10-Jul-89	1	1				_	19.7	9.4			144	_	_	-	-	-	-	-	-	-	-	_		-	-
10-Jul-89	1	2				-	19.7		104.8%		144	_	-	_	-	-	-	-	-	-	-	-		-	-
10-Jul-89	1	3				-	19.0		110.7%		143	-	_	_	-	-	15.6	-	-	-	288	4.7		-	-
10-Jul-89	1	4				-	17.9	8.0	85.5%		147	-	-	-	-	-	_	-	-	_	-	-		-	-
10-Jul-89	1					-	16.9	8.3	87.3%		156	_		-	-	-	-	-	-	-	-	-		-	-
10-Jul-89	1	5				-	14.4	10.1	100.6%		155	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89	1		1017			-	10.9	0.9	8.0%		155	-	-	_	-	-	27.6	-	-	-	321	2.5		-	-
10-Jul-89	1		1012			_	_	8.1	56.3%		_	-	_	_	_	-	-	-	_	-	-	-		-	-
10-Jul-89			1013			_	16.9	8.3	87.3%	7.19	156	-	-	-	-	_	-	-	-	-	-	-		-	-
10-Jul-89	1		1014			-	14.4	10.1	100.6%	7.22	155	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89	2		1022	12.5		-	19.5	9.8			143	-	-	-	-	-	16.6	-	-	-	252	3.7		-	-
10-Jul-89	2	1				-	19.6	9.8	108.8%	7.98	143	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89	2	2				-	19.6	9.7	108.2%	7.99	144	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89	2	з				-	19.6	9.8	108.4%	8.00	143	-	-	_	-	-	12.8	-	-	-	275	4.3		-	-
10–Jul–89	2	4				-	17.7	10.1	108.4%	7.62	146	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jui-89	2	5				-	14.9	10.9	109.9%	7.52	152	-	-	-	-	-	-	-	-	-	-	<b>-</b> ·		-	-
10-Jul-89	2	6				_	11.1	0.8	7.6%	7.08	151	-	-	-	-	-	24.6	-	-	-	356	4.6		-	-
10-Jul-89	2	7				-	9.2	0.4	3.5%	6.84	150	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89	3	0	1039	12.8	0.244	-	19.5	9.7	107.1%	8.01	143	-	0.7	48.4	5.0 U	7.2	11.5	15.0 U	5 U	143	245	3.3	0 0 -	-	-
10-Jul-89	3	1				50.8%	6 19.5		107.5%		143	_	_	-	-	_	-	-	-	-	-	-		-	-
10-Jul-89	3	2					6 19.5	9.7	107.9%	8.03	144	_	-	-	-	_	-	-	-	-	-	-		-	-
10-Jul-89	з	з					6 19.5		108.0%		143	_	0.6	48.1	5.0 U	6.9	13.1	15.0 U	5 U	162	238	3.4		-	-
10-Jul-89	3	4					6 17.9	12.1	129.8%	8.00	146	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89		5							117.1%	7.76	150	-	_	-	-	-	-	<u>-</u>	-	-	-	-		-	-
10-Jul-89		6					6 11.3		15.8%		148	_	0.9	48.4	7.1	9.5	28.8	15.0 U	24	230	364	9.1	28 B	50 B	-
10-Jul-89							6 9.7		4.3%		148	-	-	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89							6 8.2		8.8%		148	-	_	-	-	-	-	-	-	-	-	-		-	-
10-Jul-89			1049				6 7.7			6.73		-	-	47.2	6.3	-	13.3	15.0 U	373	-	481	-		-	-
10-Jul-89							6 7.2		9.4%		148	-	-	-	-	-	-	-	-	-	-			-	-
10-Jul-89						-	7.0				149	-	-	-	-	-	-	-	-	_ '	-	-		-	-
10-Jul-89						-	6.9			6.71		-	-	47.7	12.5	-	25.3	15.0 U	425	-	586	-		-	-
10-Jul-89						-	6.9	0.7	5.5%		149	-	-	_	-	-	-	-	-	-	-	-		-	-
10-Jul-89						-	6.8				150	-	-	-	-	-	-	-	-	-	-	_		-	
10-Jul-89						-	6.8		1.3%		151	-	-	48.5	25.9	-	43.3	15.0 U	404	-	565	_	29 B	421 B	-
10-Jul-89						_	6.7			6.64		_	-	_	_	-	_	_	_	-	_	-		_	-

DATE	STN C	DEP T	IME SEC	CHI EXTINCT	LIGHT	ТЕМР	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	Al	Fe	CL TOC
0-Jul-89	3	17					0.0	0.00/	6 60	155						_					_		_	_	_	
-Jul-89 -Jul-89	4	0		13	-	6.6 19.4	0.0 9.7	0.2%	6.62 8.03	155 142	-	- 0.7	- 38.1	- 5.0 U	- 5.4	- 11.3	- 15.0 U	- 5 U	 163	- 232	- 3.2	- 8	- 0	_	_	
-Jul-89		1		10	_	19.4	9.8	108.0%		143	_	-	-	-	-	-	-	_	-	-	-	_	_	_	_	
-Jul-89		2			-	19.5	9.7	107.9%		143	-	-	_	_	-	-	-	_	-	_	-	_	_	-	-	
-Jul-89	4	3			_	19.5	9.7	108.0%		143	-	0.6	48.0	5.0 U	6.4	12.6	15.0 U	5 U	170	234	3.7	-	-	_	-	
-Jul-89		4 11	148		_	18.9	10.4			142	-	_	_	-	_	_	_	-	-	-	_	-	_	_	-	
-Jui-89	4	5			-	14.8	12.5	126.0%		149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-Jul-89	4	6			-	11.5	3.1	29.1%		147	-	1.1	48.3	5.0 U	6.9	27.1	15.0 U	10	210	348	10.9	-	-	32 B	47 B	- 6.45
-Jul-89	4	7			-	9.5	0.7	6.2%	6.95	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	_	
Jul-89	4	8 11	154		-	8.2	1.0	8.8%	6.82	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	4	9			-	7.6	1.6	14.0%	6.77	148	0.249	-	46.0	6.0	-	20.6	15.0 U	420	-	544	-	-	-	-	-	
-Jul-89	4	10			-	7.4	1.8	15.4%	6.74	146	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	4	11			-	7.2	2.0	17.2%	6.73	147	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	4	12			-	7.0	1.7	14.1%	6.71	147	0.25	-	45.8	7.3	-	13.5	15.0 U	459	-	524	-	-	-	-	-	
Jul-89	4	13 12	200		-	7.0	0.8		6.68	148	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	4				-	6.8	0.1	0.5%			0.237	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89		15			-	6.8	0.0		6.62		0.073	-	47.6	15.3	-	23.1	15.0 U	440	-	576	-	-	-	27 B	48 B	- 8.05
Jul-89	4	0 12			-	19.1	9.9	109.2%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	5		233	13	-	19.4	9.6	106.5%		142	-	-	-	-	-	11.7	-	-	-	265	3.8	-	-	-	-	
-Jul-89		1			-	19.5	9.6	106.5%		142	-	-	-	-	-		-	-	-	-	-	-	-	-	-	
Jul-89	5	2			-	19.5	9.6	106.5%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	5	3			-	19.5	9.7	107.3%		142	-	-	-	-	-	13.0	-	-	-	236	3.7	-	-	-	-	
Jul-89		4			-	18.9	11.0	120.8%		143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89		5			-	15.0	12.3	124.3%		148	-	-	-	-	-	- 27.1	-	-	-	- 412	- 12.5	-	-	-	-	
Jul-89 Jul-89	5 5	6 7			-	11.8 9.3	5.1 0.3	48.1% 3.0%		148 149	- 0.232	-	-	-	-	_	-	-	-	-	-	-	_	-	-	
Jul-89	1	0 10	000 12	2.5	-	21.7	9.8	113.4%	7.68	135	-	-	-	-	-	13.5		-	-	253	3.6	-	-	-	-	
Jul-89	- 1	1			-	21.7	9.8	113.8%		135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	1	2			-	21.8	9.8	113.4%		136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	1	3			-	21.8		111.8%		137	-	-	-	-	-	14.2	-	-	-	236	3.0	-	-	-	-	
Jul-89	1	4			-	19.9	9.2			124	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
Jul-89	1	5	15		-	17.2				143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89 Jul-89	1	6 10 0 10		13	-	13.4	1.0 9.9	9.8%		146 135	-	-	-	-	-	40.1 12.3	-	-	_	308 322	8.5 3.6	-	-	-	_	
Jul-89		1	20	10	-	21.7 21.8	9.9 9.9	114.9% 115.0%		135	-	-	-	-	-		-	-	_	-	3.0	-	_	_	_	
Jul-89	2	2			-	21.0	9.9 9.9	115.2%		136	_	-	-	-	_	-	-	_	_	-	_	-	_	_	-	
Jul-89		3			_	21.8	9.9	115.4%		135	_	_	_	-	-	14.5	_	-	-	257	3.8	_	_	_	-	
Jul-89		4			_	20.3	9.7	109.7%		135	-	-	_	_	-	-	-	-	-	-	_	-	-	-	-	
Jul-89		5			-	15.7	8.0	82.4%		143	_	_	-	-	-	_	-	-	_	-	-	-	-	-	-	
Jul-89		6			-	13.2		15.6%		144	_	_	-	-	-	25.2	-	-	-	346	10.4	-	-	_	-	
Jul-89			031		_	11.0	0.3		6.54		0.19	_	-	-	-	_	-	-	-	_	-	-	_	-	-	
Jul-89				14 0.241		21.6		113.2%		134	_	0.6	48.9	5.0 U	5.0 U	12.0	15.0 U	5 U	157	248	2.6	0	2	-	-	
Jul-89						6 21.7		113.7%		135	-	_	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul89						6 21.7		113.5%	7.80	136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89						6 21.7		113.6%			-	0.6	47.9	5.0 U	5.1	11.1	15.0 U	5 U	169	260	2.9	-	-	-	-	
Jul-89			104					119.1%		135	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	3	5			6.2%	6 16.8	11.9	125.0%	7.32	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jul-89	з	6			2.9%	6 12.7	1.8	17.7%	6.77	141	-	1.1	49.8	5.9	5.8	25.1	15.0 U	38	215	332	16.3	-	-	28 B	46	- 8.29
	з	7			1.39	6 10.4	0.2	1.7%	6.52	140	0.201	-	-		-	_	_	-	-	-	-	-	_	-	-	

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DATE	STN	DEP TI	ME SE		LIGHT	темр	DO	DOSAT	ρН	COND ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	F	C F	S AI	1	Fe	CL TOC
										100 0 000							_	_		_	_				-	
31–Jul–89	3	8			0.5%		0.1	0.9% 6		139 0.202	-	-	- 7.7	-	- 16.0	- 15.0 U	301	_	477	_	-				-	
31–Jul–89	3	9			0.2%		0.2	1.4% 6 0.4% 6		140 0.203 140 0.203	-	48.0 -	-	_	-	-	-	-	-	-	_			-	-	
31-Jul-89		10			0.1%		0.1 0.1	0.4% 6		140 0.203	-	-	_	-	-	_	-	-	-	-	-				-	
31-Jul-89	3 3				-	7.3 7.2	0.1	0.4% 6		140 0.202	_	49.0	20.1	-	42.3	18.5	336	-	487	-	-				-	
31–Jul–89 31–Jul–89		13 11	18		_	7.1	0.1	0.4% e		140 0.201	-	_	_	-	-	-	-	-	-	-	-				-	
31-Jul-89	3		10		_	7.0	0.1	0.5% 6		141 0.201	-	-	-	-	-	-	-	-	-	-	-		· -		-	
31-Jul-89		15			-	6.9	0.1	0.5% 6		142 0.199	-	49.4	33.8	-	52.6	40.6	338	-	337	-	-		- 27 E	B 59	/1	- 7.02
31-Jul-89	3				_	6.8	0.1	0.5% <del>(</del>		142 0.189	-	_	-	-	-	-	-	-	-	-	-				-	
31–Jul–89		17 11	25		-	6.8	0.1	0.5% <del>6</del>		149 0.128	-	-	-	-	-	-	-	-	-	-	-				-	
31–Jul–89	3	0 11			-	21.1	10.0	114.4% 7	7.65	135 –	0.6	-	-	-	-	-	-	-	-	-	-		• -	•	-	
31–Jul–89	4	0 12		14	-	21.5	9.6	110.8% 7	7.80	135 –	-	48.0	5.0 U	5.0 U	11.9	15.0 U	5 U	264	240	3.0	:	2 (	0 -		-	
31-Jul-89	4	1			-	21.6	9.7	111.9% 7	7.82	135 –	-	-	-	-	-	-	-	-	-	-	-				-	
31–Jul–89	4	2			-	21.7	9.7	112.4% 7	7.83	134 -	0.6	-	-	-	-	-	-	-	-	-	-	• -	· -		-	
31–Jui–89	4	3			-	21.7	9.7	112.6% 7	7.83	134 -	-	48.1	5.0 U	5.0 U	12.0	15.0 U	5 U	176	235	3.1	-				-	
31–Jul–89	4	4			-	20.7	12.2	138.5% 7	7.85	136 –	-	-	-	-	-	-	-	-	-	-	-	· -			-	
31-Jul-89	4	5			-	16.9	12.3	129.7% 7	7.72	142 -	1.1	-	-	-	-	-	-	-	-	-	-	• -	· -	•	-	
31-Jul-89	4	6 12	18		-	12.4	1.5	14.5% 6	5.87	140 –	-	48.3	5.4	5.0 U	23.8	15.0 U	22	215	379	11.0	~	• -	- 28 E	B 4	3	- 8.92
31–Jul–89	4	7			-	10.1	0.3	3.1% €	6.62	139 -	-	-	-	-	-	-	-	-	-	-	-	• -	· -		-	
31–Jul–89	4	8			-	8.6	0.1	0.9% 6	6.54	140 –	-	-	-	-	-	-	-	-	-	-	-	• -	· -		-	
31-Jul-89	4	9			-	8.0	0.4	3.4% 6	5.48	139 -	-	46.1	7.5	-	19.4	15.0 U	263	-	497	-	-	• -	• -		-	
31-Jul-89	4	10			-	7.6	1.1	9.4% 6	3.45	138 –	-	-	-	-	-	-	-	-	-	-	-	• -		•	-	
31–Jul–89	4	11			-	7.3	0.6	5.0% e	6.42	139 –	-	-	-	-	-	-	-	-	-	-	-	• -		•	-	
31–Jul–89	4	12 12	26		-	7.2	0.2	1.9% 6	5.40	140 –	-	46.6	13.7	-	18.4	15.0 U	373	-	537	-	-	• -	· -	•	-	
31–Jul–89	4	13			-	7.1	0.1	0.5% 6		141 0.197	-	-	-	-	-	-	-	-	-	-	-		· -	-	-	
31-Jul-89	4	14			-	7.0	0.1	0.5% 6		145 0.196	-	-	-	-	-	-	-	-	-	-	-	· -		- -	-	
31 <b>-J</b> ul-89	4	15 12			-	6.9	0.1	0.5% 6		155 0.044	-	48.3	25.6	-	42.6	40.3	316	-	526	-	-	· -	- 24 E	B 28	0	- 6.7
31-Jul-89	4	3 12			-	21.5	9.8	113.5% 7		135 -	-	-	-	-	-	-	-	-	-	-	-				-	
31–Jul–89	4	0 12	33		-	21.1	10.0	113.9% 7		136 -	-	-	-	-	-	-	-	-	-	-	-	. –	. –		•	
31-Jul-89	5	0		13	-	21.5	9.7	112.0% 7		135 -	-	-	-	-	12.3	-	-	-	264	3.5	-				_	
31-Jul-89	5	1			-	21.6		111.9% 7		135 -	-	-	-	-	-	-	-	-	_	-					_	
31-Jul-89	5	2			-	21.6		112.2% 7		135 -	-	-	-	-	- 10.8		-	_	266	3.0	_				-	
31-Jul-89	5	3			-	21.7		112.1% 7		135 -	-	-	-	-		-	_	_	-	-					-	
31-Jul-89	5	4			-	21.4	11.1	128.2% 7		135 -	-	-	-	-	-	-	_	_	_	_					_	
31-Jul-89 31-Jul-89	5	5			-	16.9	11.1	117.0% 7 13.7% 6		145 - 141 -	-	-	-	_	21.9	_	_	_	360	7.4	_				_	
31-Jui-09	5	6			-	12.5	1.4	13.770 0	5.90	141 -	-	-	-	-	21.5	-			000							
D1 A.u. 00		0 10	~	10		~ ~	~ ~	104.004 7		104					14.2				248	3.9				_	_	
21-Aug-89	1	0 10	23	12	-	20.3	9.2	104.0% 7		134 -	-	-	-	-	14.2	-	-	-	240	5.5					_	
21-Aug-89	1	1			-	20.4	9.2	103.8% 7		133 -	-	-	-	-	-	-	-	_	_	_					_	
21-Aug-89	1	2			-	20.4		103.9% 7		134 -	-	-	-	-	17.0	-	-	_	- 265	- 4.8	_				_	
					-	20.1	9.3 8.3	104.6% 7		135 – 134 –	-	-	-	-	17.2 -	-		_	-	-					_	
21-Aug-89 21-Aug-89	1				-	19.7 17.9	6.4	92.0% 7 68.5% 6		134 -	-	-	_	-	-	-	-	_	-	-	-				-	
21-Aug-89 21-Aug-89			40		-	13.9	0.4 1.1	10.9% 6		132 -	-	_	-	-	- 29.1	-		-	- 255	- 5.9					_	
21-Aug-89				12	_	20.4		104.6% 7		133 -	_	_	_	-	13.2	-	-	-	231	3.3	_				-	
21-Aug-89					_	20.4		104.4% 7		133 –	_	-	_	-	-	-	-	-		-	_			-	-	
21-Aug-89					_	20.4		104.2% 7		133 -	_	_	-	-	-	-	-	-	_	-	_				-	
21-Aug-89					_	20.4		103.6% 7		134 -	-	-	_	-	14.0	-	-	-	274	3.8	_				-	
21-Aug-89					-	19.2	8.8	97.1% 7		132 -	-	-	-	-	_	-	-	-	-	-	-				-	
21-Aug-89					-	17.4	7.5	79.6% e		136 -	_	_	_	-	_	_	-	_	-	_	_				_	
	-	-																								

DATE	STN	DEP	TIME S	ECCHI	EXTINCT	LIGHT	ТЕМР	DO	DOSAT	pH C	OND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	Al	Fe	CL TOC
21-Aug-89	2	6				_	14.7	2.9	28.9%	6.46	140	_	-	-	_	-	28.3	-	-	-	288	16.5	_	-	-	-	
21-Aug-89	2	7				_	11.4	0.1		6.34	139	_	_	-	_	_	-	-	-	-	-	-	-	_	-	-	
21-Aug-89	2		1111			-	8.7	0.1		6.27	140	_	_	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	3		1120	12	0.249	_	20.2	9.3	104.2%		133	-	0.7	50.2	5.0 U	5.0 U	11.4	15.0 U	5 U	143	253	3.1	3	2	-	-	
21-Aug-89	3	1				46.1%		9.2			133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	3	2				31.5%	20.4	9.1	103.2%		133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	3	3				20.4%	20.4	9.1	102.9%	7.48	133	-	0.7	51.2	5.0 U	5.0 U	12.0	15.0 U	5 U	186	233	2.6	-	-	-	-	
21-Aug-89	3	4				13.0%	20.4	9.1	102.9%	6.96	134	-	-	-	-	-	-	-	-	-	-	-	-	-	_ '	-	
21-Aug-89	з	5				6.2%	17.8	9.4	100.7%	6.50	138	-	-	-	-	-	-	-	-	-		-	-	-	-	-	
21-Aug-89	3	6				2.4%	14.1	2.3	22.8%	6.32	139	-	1.1	51.4	5.0 U	5.4	24.4	15.0 U	5 U	158	313	23.0	_	-	29 B	45	- 7.18
21-Aug-89	3	7				0.8%	11.0	0.1	0.8%	6.27	138	0.126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	3	8	1137			0.4%	9.1	0.1	0.6%	6.23	137	0.127	-	-	-	-		-	-	-	-	-	-	-	-	-	
21–Aug89	3	9				0.2%	8.2	0.1	0.4%	6.23	139	0.127	-	49.1	8.9	-	18.2	15.0 U	219	-	413	-	-	-	-	-	
21-Aug-89	3	10				0.1%	7.6	0.1	0.4%	6.22	139	0.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	3	11				-	7.3	0.1	0.4%	6.22	139	0.103	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21–Aug–89	3	12				-	7.1	0.1	0.4%	6.22	139	0.099	-	49.9	23.2	-	39.5	35.1	255	-	463	-	-	-	-	-	
21-Aug-89	3	13				-	7.0	0.1	0.4%	6.22	140	0.099	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21–Aug–89		14				-	7.0	0.1		6.22	140	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89		15				-	6.9	0.1		6.23	141	0.1	-	51.0	38.7	-	66.7	60.1	262	-	494	-	-	-	28 B	519	- 7.39
21-Aug-89		16				-	6.7	0.1		6.24	144	0.1		-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89			1210			-	6.6	0.1		6.25		-0.02		-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	4		1235	12.5		-	20.6	9.2			132	-	0.8	51.4	5.0 U	5.0 U	11.0	15.0 U	5 U	161	233	2.0 U	2	1	-	-	
21-Aug-89	4					-	20.7	9.1			133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	4					-	20.6	9.1	103.3%		132	-	-	-	-	-	-	-	· -	-	-	-	-	-	-	-	
21-Aug-89	4	3				-	20.5	9.1	103.3%		133	-	0.7	50.3	5.0 U	5.0 U	11.5	15.0 U	5 U	163	220	2.8	-	-	-	-	
21-Aug-89	4					-	20.5	9.1	102.5%		133	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	4	5				-	17.5	9.6			137	-	-	-	-	-	-	-	- 5 U	- 168	-	-	-	-	- 27 B	- 55.	7.5
21-Aug-89	4		1050			-	13.5	2.6		6.50	138	-	1.2	49.8	5.0 U	5.0 U	21.2	15.0 U	5 U -	100	318	11.1	-	-	21 0		- 7.5
21-Aug-89	4		1250			-	10.7 8.7	0.1 0.1		6.33 66.25	137 138	-	-	-	-	-	-	-	-	-	-	_	-	-	_	_	
21-Aug-89 21-Aug-89	4 4					-	0.7 7.9	0.1		6.24 6.24	138	-	-	- 48.3	- 7.4	-	- 17.4	- 15.0 U	234	-	432	_	_	_	_	_	
21-Aug-89		10				_	7.4	0.1		6.23	138	_	_		-	_	-	-	-	-	-	-	_	_	_	_	
21-Aug-89		11				_	7.3	0.1		6.22	138	_	_	_	_	_	-	_	-	-	_	-	-	_	_	-	
21-Aug-89		12				_	7.1	0.1		6 6.22	138	_	_	49.1	11.7	-	20.7	15.0 U	323	-	472	-	-	_	-	-	
21-Aug-89		13				-	7.0	0.1		6 6.22		0.124		_	-	-	_	-	-	-	_	-	-	-	_	_	
21-Aug-89		14				-	6.9	0.1		6 6.22		0.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89			1319			_	6.8	0.1		6.28		-0.08		48.8	18.9	-	28.3	28.9	320	-	482	-	-	-	25 B	271	- 6.7
21–Aug–89	5			13		-	20.5	9.2	104.49	6 7.39	132	-	-	-	-	-	13.0	-	-	-	250	3.4	-	-	-	-	
21-Aug-89	5	1				-	20.6	9.2	104.29	6 7.50	133	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	5	2				-	20.5	9.2	103.9%	6 7.52	133	-	-	_	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	5	з				-	20.5	9.2	103.69	6 7.52	134	-	-	-	-	-	13.8	-	-	-	242	2.3	-	-	-	-	
- 21-Aug-89		4				-	20.4		101.89		134	-	_ '	-	-	-	-	-	-	-	-	-	-	-	-	-	
21–Aug–89						-	17.7	9.6	103.19	6 7.08	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
21-Aug-89	5	6				-	13.6	1.5	14.99	6.53	140	-	-	-	-	-	-	-	-	-	331	19.6	-	-	-	-	
21-Aug-89	5	7	1347			-	10.9	0.1	0.89	6.36	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	1	0	1025	14.5		_	19.7	9 5	105.7%	6 7 5 2	139	_	_	_	_	_	13.3	_	_	-	218	2.1	-	_	_	-	
11-Sep-89			1020	14.0		-	19.7		105.69		140	_	_	-	_	_	-	-	-	_	-	-	-	-	-	-	
11-Sep-89						_	19.6		105.69		139	_	-	-	_	_	_	-	-	-	_	-	-	_	-	-	
oop-oo	1					_	19.5		102.99		139						12.0				230	2.2					

DATE	E STN	DEP	TIME	SECCHI E	XTINCT	LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL TOC
11-Sep-89	9 1	4				_	19.0	9.1	99.9%	7 32	139	_	_	_	_	_	_	_	_	-	_	_	_	_	_	_	
11-Sep-89						_	18.4	7.9	85.2%		139	_	-	-	-	-	-	-	_	-	-	-	_	_	-	_	
11-Sep-89			1035			_	16.2	4.5	47.1%		143	_	_	-	_	-	26.9	-	-	-	259	7.7	_	-	_	-	
11-Sep-89			1048	16		-	19.8	9.5	105.5%		139	-	_	_	-	-	12.8	-	-	-	218	2.4	-	-	-	-	
11-Sep-89		1				-	19.7	9.5	105.7%		138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89		2				-	19.7	9.5	105.5%	7.54	139	-	-	-	_	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	2	з				-	19.6	9.4	104.6%	7.54	139	-	-	-	-	-	12.0	-	-	-	229	2.4	-	-	-	-	
11-Sep-89	2	4				-	19.1	9.2	100.6%	7.40	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>-</b> '	
11-Sep-89	2	5				-	18.1	8.2	88.6%	7.10	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	2	6				-	16.4	5.8	60.4%	6.89	142	-	-	-	-	-	16.5	-	-	-	226	4.6	-	-	-	-	
11-Sep-89	2	7	1057			-	12.7	0.2	1.6%	6.51	146	0.139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	2	8				-	9.9	0.1	0.9%	6.42	144	0.084	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	3	0	1115	16.5	0.226	-	19.7	9.5	105.7%	7.55	138	-	0.6	51.0	5.5	5.0 U	9.6	15.0 U	5 U	145	216	2.0 U	0	1	-	-	
11-Sep-89	93	1				51.5%	19.7	9.5	105.5%	7.58	139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	3	2				35.7%	19.6	9.5	105.4%		139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	93	3				23.8%		9.5	105.2%		138	-	0.6	50.8	5.7	5.0 U	13.8	15.0 U	5 U	151	245	2.1	-	-	-	-	
11-Sep-89		4				13.9%		9.4	103.9%		139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89		5					18.1	8.4	90.4%		139	-	-	-	-	-	-	-	· _	-	-	-	-	-	- 21 B	- 81 B	 - 9.13
11-Sep-89		6					15.8	5.2	53.9%		142	-	-	50.6	6.7	6.8	19.7	15.0 U	5 U	-	226	4.2	-	-	21 0	01 10	- 3.10
11-Sep-89		7					12.2	0.4	4.2%		143	- 0.139	-	-	-	-	-	-	-	-	-	-	-		_	_	
11-Sep-89		8					9.7	0.1	0.9% 0.4%			0.139	-	- 50.4	- 10.5	-	- 29.7	- 15.0 U	8	_	229	_	_	_	_	_	
11-Sep-89		9 10				0.3% 0.1%		0.1 0.1	0.4%			0.130	-	- 50.4	-	-	29.7	-	_	_	_	_	_	_	_	_	
11-Sep-89		11				-	7.6	0.1	0.4%			0.125	_	_	_	_	-	_	_	_	_	_	_	_	-	-	
11-Sep-89		12				_	7.5	0.1		6.35		0.121	_	51.8	30.6	_	59.9	80.9	117	-	374	-	_	-	-	-	
11-Sep-89		13				_	7.3	0.1		6.35		0.121	-	_	_	-	-	-	-	-	-	-	-	-	-	· _	
11-Sep-89		14				_	7.1	0.1	0.5%		144	0.12	-	_	-	_	-	-	-	-	-	-	-	-	_	-	
11-Sep-89		15				_	7.0	0.1	0.5%		144	0.10	-	52.6	45.3	-	86.8	121.0	138	-	-	-	-	-	29 B	620	- 7.54
11-Sep-89		16				-	7.0	0.1	0.5%	6.32	151	0.02	_	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	э з	17				-	6.9	0.1	0.5%	6.31	155	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	э з	з	1140			-	19.1	9.6	106.0%	7.32	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	3	0	1143			-	19.7	9.6	107.0%	7.53	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	·
11-Sep-89	94	0	1225	15.5		-	20.0	9.4	105.8%	7.59	137	-	0.6	50.1	5.7	5.0 U	8.7	15.0 U	5 U	-	205	2.0 U	1	0	-	-	
11-Sep-89	94	1				-	19.9	9.3	103.9%	7.59	137	- '	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	4	2				-	19.4	9.4	103.6%	7.60	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	94	З				-	19.3	9.4	104.1%	7.59	137	-	0.8	-	5.8	5.0 U	10.8	15.0 U	5 U	-	212	2.0 U	-	-	-	-	
11-Sep-89	94	4				-	19.2	9.4	103.6%		137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	94	5				-	17.7	7.9	84.7%		138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89	94	6				-	15.2	7.3	73.7%		141	-	0.8	-	6.7	5.0 U	15.5	15.0 U	5 U	144	217	3.5	-	-	-	-	- 9.45
11-Sep-89		7				-	11.9	0.8		6.55	142		-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89		8				-	10.0	0.2			141		-	-	-	-	-	-		-	-	-	-	-	-	-	
11-Sep-89						-	8.6	0.1		6.38		0.13	-	-	9.0	-	30.5	15.0 U	5 U	-	256	-	-	-	-	-	
11-Sep-89						-	7.9	0.1		6.36		0.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
11-Sep-89						-	7.6	0.1		6.34		0.11	-	-	-	-	-	-	- 198	-	- 384	-	-	-	-	-	
11-Sep-89		12				-	7.3	0.1		6.31		0.09	-	-	13.0	-	25.1	20.7		-	- 384	-	-	-	-	-	
11-Sep-89						-	7.2			6.31 6.34		0.10 0.00	-	-	- 38.3	-	- 72.2	- 146.4	- 89	-	- 411	-	-	_	- 24 B	- 544	6.42
11-Sep-89 11-Sep-89			1255			-	7.0 18.8	0.1 9.7	0.5% 105.7%		153	0.00	-	-	30.3		-	146.4	-	-	411	-	-	-	-	-	- 0.42
11-Sep-89			1255			-	19.5		105.7%		138	-	-	-	-	-	-	-	-	_	-	-	_	_	_	-	
11-Sep-89			. 201	14.5		-	19.9		107.4%			_	_	_	_	_	- 10.5	_	-	_	206	2.0 U	-	_	-	-	
11-0eh-08	, 0	5		14.0		-	13.5	9.0	100.070	1.00	107	-	-	-	-	-	10.0	-	-	-	200	2.0 0	-				

DATE	STN	DEP	TIME :	SECCHI EXTINC	T LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL TOO
																		_	_	_	_	_	_	_	_	
11-Sep-89	5				-	19.7	9.4			136	-	-	-	-	-	-	-	-	-	_	_	_	_	_	_	
11-Sep-89	5	2			-	19.5	9.4			137 137	-	-	-	-	-	10.1		_	_	218	2.0 U	-	_	-	-	
11-Sep-89	5	3			-	19.4	9.5 9.4	104.7% 103.3%		137	-	-	-	_	_	-	_	_	-		-	-	_	-	-	
11-Sep-89	5	4 5			-	19.3 17.4	9.4 7.9	83.9%		139	_	-	_	_	-	_	-	_	-	_	-	-	-	-	-	
11-Sep-89 11-Sep-89	5 5	6			_	14.9	6.6	66.7%		142	_	-	_	-	-	17.0	-	-	-	213	3.6	-	-	-	-	
11-Sep-89		7			_	12.5	1.4	13.8%		142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
00.0-1.00		•	005	1E E		17.3	9.0	95.6%	7.05	140			_	_	_	15.2	_	_	_	229	2.6	_	_	-	-	
02-Oct-89 02-Oct-89	1	0	925	15.5	-	17.3	9.0	95.6%		140	_	_	_	_	_	-	_	_	-	-	-	-	_	-	-	
02-Oct-89	1	2			_	17.4	9.0	95.5%		141	_	_	_	_	-	-	_	_	-	_	-	_	_	-	-	
02-Oct-89	1	3			_	17.4	9.0			141	-	_	_	_	-	15.6	-	-	-	260	2.9	-	-	-	-	
02-Oct-89	1	4			_	17.4	9.0			142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	1	5			_	17.2				141	_	-	_	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	1	6			-	15.1	2.4			147	-	-	-	-	-	22.8	-	-	-	233	2.5	-	-	-	-	
02-Oct-89	2	0	940	17.5	-	17.5	9.0	96.2%	7.27	140	-	-	-	-	-	14.8	-	-	-	219	3.0	-	-	-	-	
02-Oct-89	2	1			-	17.5	9.1	96.5%	7.29	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	2	2			-	17.5	9.0	96.2%	7.29	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	2	з			-	17.5	9.0	95.9%	7.28	141	-	-	-	-	-	15.3	-	-	-	257	3.3	-	-	-	-	
02-Oct-89	2	4			-	17.5	9.0	95.5%	7.28	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	2	5			-	17.5	8.9	95.1%	7.27	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	2	6			-	15.2	3.0	30.0%	6.65	145	-	-	-	-	-	15.6	-	-	-	233	3.3	-	-	-	-	
02-Oct-89	2	7	<del>9</del> 48		-	13.1	0.1	0.8%	6.44	147	-0.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	2	8			-	9.6	0.1	0.7%	6.30	148	-0.09	-		-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	3	0	1000	17 0.25	2 -	17.5	9.2	97.4%	5 7.29	140	-	0.7	50.6	5.0 L	J 7.4	12.1	15.0 U	5 U	151	219	3.0	1	0	-	-	2.7 -
02-Oct-89	3	1			60.87	% 17.5	9.2	97.7%	5 7.31	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	3	2			29.93	% 17.5	9.2	97.6%	7.33	140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
02-Oct-89	3	3			16.23	% 17.5	9.2	97.7%	5 7.34	141	-	0.6	50.3	5.6	7.9	14.6	15.0 U	5 U	159	237	3.2	-	-	-	-	
02-Oct-89	3	4				% 17.5			7.34	141	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
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02-Oct-89	3	6				% 15.7			6.80	144	-	0.6	50.6	6.2	8.4	17.2	15.0 U	5 U	151	213	3.5	-	-	30		
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23-Oct-89	3	13			-		7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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13-Nov-89	2 2	2		-	10.3	9.3	84.2%	6.81	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Nov-89	2 3			-	10.3	9.3	84.2%	6.83	137	-	-	-	-	-	17.9	-	-	-	212	4.4	-	-	-	-	-	-
13-Nov-89	24			-	10.3	9.3	84.2%	6.85	137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Nov-89	25	i		-	10.3	9.3	84.2%	6.87	138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Nov-89	26	;		-	10.3	9.3	84.2%		138	-	-	-	-	-	19.6	-	-	-	212	7.4	-	-	-	-	-	-
13-Nov-89	27	,		-	10.3	9.2	83.7%		138	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Nov-89	28			-	10.0	6.7	60.6%		152	-	-	-	-	-	-	-	-	-		-	-	-	-	-	_	_
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13-Nov-89	3 (	1054	10.5 0.329	-	10.2	9.0	82.0%		136		0.6	50.1	5.4	8.2	16.3	15.0 U	50	140	191	-	_	<i>.</i>	_	_		-
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13-Nov-89					% 10.2				140		_	- 50.1	-	_	-	-	-	_	-	-	-	-	-	-	-	-
13-Nov-89 13-Nov-89	3 10			-	9.4	0.3		6.54 6.54		_	_	_	-	_	_	_	-	_	-	-	-	-	-	-	-	-
13-Nov-89 13-Nov-89	3 11 3 12			-	9.4 7.6			6.33		_	_	- 53.3	24.5	_	53.7	59.3	5 U	-	311	-	-	-	_	-	-	
13-Nov-89	3 13			_	7.5	0.1		6.28			_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13-Nov-89				_	7.0	0.1		6.28			_	55.6	127	_	147	200	5 U	-	451	-	-	-	8 B	808	- 6	8.37
13-Nov-89	4 (		10.5	_	10.2	9.1	82.6%				0.6		5.1	6.5	17.0	15.0 U	5 U	155	190	6.1	0	9	_	-	2.4	-
13-Nov-89	4 1			_	10.2	9.0	81.6%				-	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-
13-Nov-89	4 2			-	10.2		81.2%				_	-	-	· _	-	-	-	-	-	-	-	-	-	-	-	-
	4 3			-	10.2		81.2%				0.7	50.6	5.0 U	7.7	19.7	15.0 U	5 U	151	214	6.0	-	-	-	-	-	-

DATE S	STN DI	EP TIME	SECCHI EXTIN	CT LIGHT	TEM	DO C	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL	тос
New 20	4						0 81 60	6 6.92	138					_	-	-	_	_	_	_	-	_	_	_	_	-
3-Nov-89				-	10.					-	-	-	-	-	_	_		_	_	_	_	-	-	-	-	-
-Nov-89	4			-	10.5			6 6.92	138	-		-	-	- 7.5	- 16.2	- 15.0 U	- 5 U	150	199	6.1	-	-	10 B	73.	-	5.64
-Nov-89		6		-	10.:			6 6.92	138	-	0.7	50.0	5.0 U	7.5					-	-	_	_	-	-	-	_
-Nov-89	4			-	10.:			6 6.93	138	-	-	-	-	-	-	-	_	_		_	_	_	_	-	-	_
-Nov-89		8		-	10.:			6 6.93	138	-	-	-	-	-	- 15.7	- 15.0 U	- 5 U	_	187	_	_	_	-	_	_	-
-Nov-89	4			-	10.:			6 6.93	138		-	50.1	5.0 U	-	13.7	13.0 0		_	-	_	_	_	-	-	_	-
-Nov-89	4 1			-	9.:			6 6.73		-0.07	-	-	-	-	-	-	_	_	_	_	_	_	-	-	-	-
-Nov-89	4 1			-	7.			6 6.38		-0.12		-	- 37.9	-	68.5	86.3	- 5 U	_	327	_	_	_	_	-	_	_
-Nov-89	4 1			-	7.			6 6.31		-0.13	-	54.2	37.9	-		00.0		-	027	_	_	_	_	_	_	-
-Nov-89	4 1			-	7.			66.28		-0.15	-	-	-	-	-	-	-	-	_	_	_	_	_	-	-	_
-Nov-89	4 1				7.			66.26 66.24		-0.17 -0.18	-	- 58.4	- 206	-	253	- 404	- 5 U	_	632	_	_	_	11 B	968	_	8.1
-Nov-89		5 1316 0 1339		· -	6. 10			6 6.73	137	-0.10	-	50.4	200	_	16.7		-	_	186	6.0	_	_	-	-	_	_
-Nov-89			10.4	-	10.			6 6.78	137	-	-	-	-	_	-		_	_	_	-	-	_	_	_	_	_
B-Nov-89	5	2			10.			6 6.79	137	-	-	_	_	_	_	_	_	_	_	_	_	-	_	-	-	-
3-Nov-89 3-Nov-89		2 3		-	10. 10.			6 6.79 6 6.79	137	-	-	-	-	_	- 15.9	_	-	_	193	6.2	-	-	_	-	_	-
-Nov-89	5			-	10.			6 6.80	138	-	_	_	_	_	-	_	_	-	-	-	_	_	_	_	_	-
-Nov-89		5		-	10.			6 6.80	138	_	_	_	_	_	_	_	_	_	_	-	_	-	-	_	_	_
-Nov-89		6 1345		-	10.			6 6.77	139	_	_	_	_	_	14.9	_	_	-	200	4.7	_	-	-	_	_	-
-1400-05	5	0 1040		_	10.	. 0.		0.77	100																	
-Dec-89	1	0		-	_	_	-	-	-	-	-	-	-	-	32.1	-	-	-	382	4.7	-	-	-	-	-	-
-Dec-89	1	1 1035	10.5	-	7.	48.	6 72.59	6.70	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	1	2		-	7.	48.	6 72.59	6.70	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
-Dec-89	1	3		-	7.	48.	5 72.19	6.70	144	-	-	-	-	-	31.3	-	-	-	418	4.5	-	-	-	-	-	-
-Dec-89	1	4		-	7.	48.	5 71.89	6.69	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	1	5		-	7.	38.	4 71.09	6.69	145	-	-	-	-	-	-	- '	-	-	-	-	-	-	-	-	-	-
1-Dec-89	1	6		-	7.	18.	3 69.49	6.64	147	-	-	-		-	32.1	-	-	-	460	4.1	-	-	-	-	-	-
-Dec-89	1	7		-	6.	38.	0 65.89	6.57	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	1	8 1100	1	-	6.	38.	0 65.79	6.54	155	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	2	0		-	-	-	-	-	-	-	-	-	-	-	31.1	-	- '	-	403	5.0	-	-	-	-	-	-
-Dec-89	2	1 1105	10.7	-	7.	58.	7 74.29	6.74 %	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	2	2		-	7.	58.	7 74.29	6.73	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	2	3		-	7.	58.	7 73.89	6.73	142	-	-	-	-	-	33.3	-	-	-	407	4.6	-	-	-	-	-	-
-Dec-89	2	4		-	7.	48.	7 73.49	6.72	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	2	5		-	7.	48.	.6 73.19	6.71 %	144	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	2	6		-	7.	38	.6 72.59	6.70	143	-	-	-	-	-	31.3	-	-	-	418	3.8	-	-	-	-	-	-
-Dec-89	2	7		-	7.	28.	.8 74.59	6.69	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	2	8 1115	;	-	7.	1 8	.5 71.79	6.68	141	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	3	0	0.4	13 -	-	-	-	-	-	-	1.8	48.0	20.7	19.2	31.6	29.4	128	311	367	4.9	7	2	-	-	2.8	-
-Dec-89	3	1 1130	11.1	48.4	1% 7.	6 8	.9 75.89	6.70	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	3	2		13.8	3% 7.	6 8	.7 74.09	6.71 %	142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	3	3		4.8	3% 7.	6 8	.7 73.79	6.71 %	143	-	1.7	49.1	18.7	18.7	32.2	29.1	130	313	374	5.0	-	-	-	-	-	-
-Dec-89	з	4		2.0	)% 7.	68	.6 73.09	% 6.72	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	з	5		0.8	3% 7.	6 8	.6 72.99	% 6.72	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	з	6		0.4	1% 7.	68	.5 72.59	% 6.72	143	-	1.8	53.0	20.7	19.4	33.1	26.3	128	297	370	4.2	-	-	81 B	113	-	6.51
-Dec-89	з	7		0.2	2% 7.	68	.5 72.09	% 6.71	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	3	8		0.1	1% 7.	68	.4 71.69	% 6.71	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-Dec-89	з	9		0.0	)% 7.	68	.4 71.69	% 6.71	143	-	-	49.1	20.3	-	42.9	27.0	134	-	371	-	-	-	-	-	-	-
-Dec-89	3	10		0.0	0% 7.	58	.4 71.79	% 6.71	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dec. 90	3	11		0.0	0% 7.	58	.4 71.79	% 6.59	143	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

DATE	STN	DEP	TIME	SECCHI EXTINCT	LIGHT	ТЕМР	DO	DOSAT	pН	COND OF	P TURE	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL 1
1-Dec-89	3	12			0.0%	7.4	7.2	60.9%	6.55	146 -	_	48.8	34.3	-	36.4	27.7	135	-	368	-	-	-	-	-	-
1-Dec-89		13			0.0%		1.7	14.4%	6.37	161 0.1	9 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	3				_	7.0	0.0	0.1%		168 0.0	95 -	_	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89		15			-	6.9	0.0	0.0%	6.30	170 0.04	- 55	61.9	128	-	271	209	34	-	840	-	-	-	63 B	821	- 1
1-Dec-89		16			-	6.9	0.0	0.0%	6.29	174 0.0	- 77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	3	17	1210		-	6.8	0.0	0.0%	6.29	178 0.0	51 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	0			-	-	-	-	-		1.2	50.1	19.2	16.7	27.7	28.2	67	232	303	4.6	4	7	-	-	2.7
1-Dec-89	4	1	1240	11.2	-	7.7	8.8	75.5%	6.73	142 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	2			-	7.7	8.6	73.2%	6.74	142 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	з			-	7.7	8.5	72.8%	6.74	143 -	1.5	50.0	20.2	19.7	34.1	30.5	78	259	313	5.4	-	-	-	-	-
1-Dec-89	4	4			-	7.7	8.4	71.9%	6.73	143 -	· -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	5			-	7.7	8.3	70.9%	6.73	143 -		-	-	-	-	- '	-	-	-	-	-	-	-	-	-
1-Dec-89	4	6			-	7.7	8.3	70.9%	6.72	143 -	1.3	49.2	21.5	20.4	32.3	35.1	81	278	312	3.8	-	-	63 B	116	- 7
1-Dec-89	4	7			-	7.7	8.3	70.4%	6.71	143 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1Dec89	4	8	•		-	7.7	8.1	69.5%	6.71	143 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	9			-	7.7	7.2	61.4%	6.65	145 -		50.1	20.2	-	36.6	33.7	93	-	331	-	-	-	-	-	-
1-Dec-89	4	10			-	7.6	6.3	53.9%	6.60	147 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	11			-	7.6	5.7	48.8%	6.56	148 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	12			-	7.5	2.5	21.5%	6.47	153 -		52.7	35.2	-	54.7	77.8	87	-	371	-	-	-	-	-	-
1-Dec-89	4	13			-	7.4	0.1	0.9%	6.33	157 0.0	52 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	14			-	7.2	0.1	1.0%	6.28	163 –0.	17 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	4	15	1300		-	7.0	0.1	0.5%	6,25	172 -0.	21 -	55.3	55.4	-	82.6	150	55	-	410	-	-	-	54 B	304	- 9
1-Dec-89	5	0			-	-	-	-	-		· -	-	-	-	26.6	-	-	-	276	5.3	-	-	-	-	-
1-Dec-89	5	1	1340	12	-	7.7	9.0	76.9%	6.62	141 -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1-Dec-89	5	2			-	7.7	9.0	76.5%	6.68	141 -		-	-	-	-	-	-	-	-	-	-	-	-		-
1-Dec-89	5	3			-	7.7	9.0	77.0%	6.70	141 -	· -	-	-	-	31.8	-	-	-	286	7.3	-	-	-	-	-
1-Dec-89	5	4			-	7.7	9.2	78.5%	6.74	141 -	· -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	5	5			-	7.7	9.3	79.0%	6.77	141 -	· -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1-Dec-89	5	6			-	7.7	9.2	78.5%		141 -	· -	-	-	-	28.3	-	-	-	276	5.5	-	-	-	-	-
1-Dec-89	5	7			-	7.7	5.6	48.2%	6.59	148 -	• -	-	-	-	-	-	-	-	-	-	-	-	-	-	-
)8-Jan-90	1	0			-	-	-	-	-			-	-	-	47.1	-	-	-	544	3.1	-	-	-	-	-
)8-Jan-90	1	1	940		-	6.8	9.2	76.9%	6.97	132 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
)8-Jan-90	1	2			-	6.6	9.1	75.7%	6.89	130 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
08-Jan-90	1	з			-	6.5	9.0	74.3%	6.86	132 -		-	-	-	41.2	-	-	-	510	2.8	-	-	-	-	-
08-Jan-90	1	4			-	6.5	8.9	73.4%	6.80	135 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jan-90	1	5			-	6.5	8.9	73.5%	6.78	136 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
)8-Jan-90	1	6			-	6.4	8.8	73.0%	6.77	135 -		-	-	-	50.9	-	-	-	570	2.0 U	i -	-	-	-	-
08-Jan-90	1	7			-	6.4	8.5	70.0%	6.75	136 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
)8-Jan-90	2	0			-	-	-	-	-			-	-	-	38.4	-	-	-	503	-	-	-	-	-	-
8-Jan-90	2	1	1000		-	6.3	9.4	77.5%	6.85	129 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jan-90	2	2			-	6.3	9.3	76.7%	6.83	129		-	-	-	-	-	-	-	-	-	-	-	-	-	-
)8-Jan-90	2	3			-	6.3	9.3	76.7%	6.82	129		-	-	-	37.4	-	-	-	431	4.6	-	-	-	-	-
8-Jan-90	2	4			-	6.3	9.2	75.9%	6.81	131 ·		-	-	-	-	-	- '.	-	-	-	-	-	-	-	-
8-Jan-90	2	5			-	6.3	9.2	75.8%	6.80	131 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jan-90	2	6			-	6.3	9.2	75.9%	6.80	131 ·		-	-	-	38.0	-	-	-	456	3.8	-	-	-	-	-
8-Jan-90	2	7			-	6.2	9.1	75.0%	6.79	132 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8 <b>-J</b> an-90	2	8			-	6.2	9.0	74.1%	6.78	132 -		-	-	-	-	-	-	-	-	-	-	-	-	-	-
8-Jan-90	2	9			-	6.2	8.6	71.1%	6.76	133 -		-	-	-	-	-	-	-	-	7.0	-	-	-	-	-
18-Jan-90	2	10	1010		-	6.1	8.3	68.3%	6.73	135		-	-	-	-	_	<u> </u>	-	_	-	-	_	-	-	-

DATE	STN	DEP	TIME S	SECCHI EXTINCT	LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	AI	Fe	CL TO
-Jan-90	3	0		0.362	_	_	_	_	_	_	_	0.9	48.2	29.4	27.2	37.8	49.4	218	411	441	4.8	6	5 -	_	-	2.4 -
-Jan-90	3	1	1040	0.002	- 39.7%		9.4	- 77.3%	6.83	129	_	-			-	-	-		_	_	_	_		-	-	
-Jan-90	3	2	1040		20.6%		9.3	76.9%		129	_	_	_	_	_	_	_	_	_	-	_	_		-	_	
								76.9%		130	_	1.0	49.4	25.3	27.7	38.4	49.0	219	423	456	4.6	-		_	_	
-Jan-90	3	3			8.3%		9.3			130	-	1.0	49.4	25.5	21.1	30.4		213			-	_		_	_	_
Jan-90	3	4			3.5%		9.3	76.5%		130	-	-	-	-	-	-	_	_		_	_	_	_	_	-	
Jan-90	3	5			1.7%		9.3	76.5%			-	-	- 49.1	- 30.2	- 27.5	- 36.4	42.4	215	400	420	4.8	_	- 3	5 J	143	- 9.
Jan-90 Jan-90	3	6			0.6% 0.3%		9.3	76.5% 76.0%		131	-	1.2	43.1	30.2	-		-	-	400	-	-	_		_	-	
		7					9.2			131	-	-	-	-	-	-	-	_	_	_		_	_	-	_	
Jan-90	3	8			0.2%		9.2	76.0%		131	-	-	-	-			- 49.7	217		433	_	_	_	_	_	
Jan-90	3	9			0.1%		9.2	76.0%		131	-	-	48.7	23.5	-	36.7		217	-	400	-	-			_	
Jan-90	3				0.0%		8.9	72.9%		133	-	-	-	-	-	-	-	-	-	-	-	-			_	_
Jan-90	3				0.0%		8.7	71.5%		135	-	-	-	-	-	-	-	-	-		-	-		-	_	
Jan-90	3				0.0%		8.5	69.7%		135	-	-	50.2	29.1	-	43.0	50.6	235	-	474	-			-	-	
Jan-90	3				0.0%		7.1	57.8%		143	-	-	-	-	-	-	-	-	-	-	-	-			-	
Jan-90	3				0.0%		6.7	54.5%		146	-	-	-	-	-	-	-	-	-	-	-	-			-	- 10
Jan-90	3				-	6.0	6.0	49.0%		149	-	-	53.4	46.9	-	71.1	97.6	273	-	234	-	-	- 4	3 J	266	
Jan-90	3				-	5.9	5.4	44.3%		151	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
Jan-90			1110		-	5.9	3.7	30.2%	6.39	159 0	.128	-	-	-	-	-	-	-	-	-	-	-		-	-	
Jan-90	4	0			-	-	-	-	-	-	-	1.0	48.5	21.4	26.7	42.2	46.1	184	350	446	6.6	2	7.		-	2.4
lan-90	4		1140	10.9	-	6.5	9.7	80.3%		129	-	-	-	-	-	-	-	-	-	-	-	-			-	
Jan-90	4	2			-	6.4	9.6	79.1%	6.98	128	-	-	-	-	-	-	-	-	-	-	-	-	- ·	-	-	
Jan-90	4	3			-	6.4	9.5	78.8%	6.95	129	-	1.0	47.9	24.1	28.0	41.2	43.5	193	384	412	7.1	-		-	-	-
Jan-90	4	4			-	6.4	9.5	78.7%	6.94	129	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
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Jan-90	4	6			-	6.4	9.4	78.0%	6.90	130	-	0.9	48.6	24.3	27.2	37.9	43.1	194	387	440	7.3	-	- 3	31 J	136	- 7.
Jan-90	4	7			-	6.3	9.4	77.6%	6.89	130	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
Jan-90	4	8			-	6.3	9.3	76.3%	6.86	130	-	-	-	-	-	-	-	-	-	-	-	-	- •	-	-	
Jan-90	4	9			-	6.2	9.0	74.1%	6.84	130	-	-	48.0	25.0	-	35.4	44.8	201	-	421	-	-		-	-	- •
Jan-90	4	10			-	6.2	9.0	73.6%	6.82	130	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
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Jan-90	4	14			-	6.1	8.7	71.5%	6.79	131	-	-	-	-	-	-	-	-	-	-	-	-	- ·	-	-	-
Jan-90	4	15	1200		-	6.1	7.5	61.4%	6.74	134	-	-	48.8	25.8	-	38.2	47.2	194	-	427	-	-	- 3	32 J	139	- 6.
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Jan-90	5	2			-	6.4	9.4	77.4%	6.97	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jan-90	5	з			-	6.3	9.2	76.2%	6.93	128	-	-	-	-	-	37.9	-	-	-	412	4.8	-	-	-	-	-
Jan-90	5	4			-	6.3	9.1	74.8%	6.90	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Jan-90	5	5			-	6.3	9.0	74.4%	6.87	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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lan-90	5	7			-	6.3	9.0	74.0%	6.84	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	- ·
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b      b			9		-		10.5	84.2%	6.82	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
0	05-Feb-90	2	10		-	5.1	10.4	83.4%	6.81	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
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b6-Fab-00      5      6      1.06      6.2      1.09      6.76%      6.8      1.0      4.2      4.2      4.2      4.2      4.3      5.0      0      6.4	05-Feb-90	з	3		5.4%	5.2	11.0	88.0%	6.91	124	-	1.6	42.2	23.5	25.3	33.8	15.0 U	511	662	690	3.4	-	-	-	-	
bar bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar bar      bar	05-Feb-90	з	4		2.6%	5.2	10.9	87.5%	6.89	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
bar	05-Feb-90	3	5		1.0%	5.2	10.9	87.6%	6.88	125	-	-	-	-	-	-			-	-	-	-				
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05    0    0    0.0    6.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2    0.0    0.2 <td>05-Feb-90</td> <td>з</td> <td>7</td> <td></td> <td>0.2%</td> <td>5.2</td> <td>11.0</td> <td>88.1%</td> <td>6.87</td> <td>126</td> <td>-</td> <td></td>	05-Feb-90	з	7		0.2%	5.2	11.0	88.1%	6.87	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-00      0      0      0.0%      5.2      1.0      0.7.5%      6.7      1.2      0.0%      5.2      1.0      0.7.5%      6.7      1.2      0.0%      5.2      1.0      0.7.5%      6.7      1.2      0.0%      5.2      1.0      0.7.5%      6.8      1.2      0.0%      5.2      1.0      0.7.5%      6.8      1.2      0.0%      5.2      1.0      0.7.5%      6.8      1.2      0.0%      5.2      1.0      0.7.5%      6.8      1.2      0.0      1.5      0.0      1.5      0.0      1.5      0.0      0.6      0.0      0.7      0.0      0.7      0.0      0.7      0.0      0.7      0.0 </td <td></td> <td></td> <td>8</td> <td></td> <td>0.1%</td> <td>5.2</td> <td>10.9</td> <td></td> <td></td> <td>125</td> <td>-</td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td>			8		0.1%	5.2	10.9			125	-	-	-		-		-		-	-	-	-	-	-	-	
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05-Feb-90    4    6    -    5.2    1.0    8.75%    6.91    1.2    -    1.3    4.2    2.3.2    25.3    35.1    15.0    U    504    650    668    3.8    -    -    52    127      05-Feb-90    4    7    -    5.2    1.0    8.76%    6.90    124    - <td></td> <td></td> <td>5</td> <td></td> <td>-</td> <td></td> <td></td> <td>87.5%</td> <td>6.92</td> <td></td> <td>-</td> <td><u> </u></td> <td>-</td> <td>-</td> <td>-</td> <td></td>			5		-			87.5%	6.92		-	-	-	-	-	-	-	-	-	-	-	<u> </u>	-	-	-	
05-Feb-90    4    7    -    5.2    10.9    87.6%    6.09    124    - <td></td> <td></td> <td>6</td> <td></td> <td>-</td> <td>5.2</td> <td>10.9</td> <td>87.5%</td> <td>6.91</td> <td>124</td> <td>-</td> <td>1.3</td> <td>42.6</td> <td>23.2</td> <td>25.3</td> <td>35.1</td> <td>15.0 U</td> <td>504</td> <td>650</td> <td>668</td> <td>3.8</td> <td>-</td> <td>-</td> <td>52</td> <td>127</td> <td>- 7.74</td>			6		-	5.2	10.9	87.5%	6.91	124	-	1.3	42.6	23.2	25.3	35.1	15.0 U	504	650	668	3.8	-	-	52	127	- 7.74
05-Feb-90    4    8    -    5.1    10.9    87.6%    6.89    124    - <td></td> <td></td> <td>7</td> <td></td> <td>-</td> <td>5.2</td> <td>10.9</td> <td>87.6%</td> <td>6.90</td> <td>124</td> <td>-</td> <td></td>			7		-	5.2	10.9	87.6%	6.90	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-90    4    10    -    5.1    10.9    87.1%    6.88    124    - </td <td>05-Feb-90</td> <td>4</td> <td>8</td> <td></td> <td>-</td> <td>5.1</td> <td>10.9</td> <td>87.6%</td> <td>6.89</td> <td>124</td> <td>-</td> <td>-</td> <td></td> <td>-</td> <td></td>	05-Feb-90	4	8		-	5.1	10.9	87.6%	6.89	124	-	-		-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-90    4    11    -    5.1    10.9    87.1%    6.88    124    - </td <td>05-Feb-90</td> <td>4</td> <td>9</td> <td></td> <td>-</td> <td>5.2</td> <td>10.9</td> <td>87.1%</td> <td>6.89</td> <td>124</td> <td>-</td> <td>-</td> <td>43.5</td> <td>23.5</td> <td>-</td> <td>32.8</td> <td>15.0 U</td> <td>478</td> <td>-</td> <td>640</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td></td>	05-Feb-90	4	9		-	5.2	10.9	87.1%	6.89	124	-	-	43.5	23.5	-	32.8	15.0 U	478	-	640	-	-	-	-	-	
05-Feb-90    4    12    -    5.1    10.9    87.1%    6.87    125    -    43.5    22.2    -    35.3    15.0    U    479    -    640    -    640    -    -    -    -    -    -    -<	05-Feb-90	4	10		-	5.1	10.9	87.1%	6.88	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-90    4    13    -    5.1    10.9    87.2%    6.87    124    - </td <td>05-Feb-90</td> <td>4</td> <td>11</td> <td></td> <td>-</td> <td>5.1</td> <td>10.9</td> <td>87.1%</td> <td>6.88</td> <td>124</td> <td>-</td> <td></td>	05-Feb-90	4	11		-	5.1	10.9	87.1%	6.88	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-90 4 14 - 5.1 10.8 86.6% 6.87 125	05-Feb-90	4	12		-	5.1	10.9	87.1%	6.87	125	-	-	43.5	22.2	-	35.3	15.0 U	479	-	640	-	-	-	-	-	
05-Feb-90 4 15 - 5.1 10.8 86.1% 6.86 125 43.1 19.9 - 38.9 15.0 U 463 - 648 53 119 05-Feb-90 5 0 36.1 646 5.1	05-Feb-90	4	13		-	5.1	10.9	87.2%	6.87	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-90 5 0			14		-	5.1	10.8				-	-			-				-	-	-	-	-	-	-	
			15		-	5.1	10.8	86.1%	6.86	125	-	-	43.1	19.9	-		15.0 U	463	-		-	-	-	53	119	- 6.12
					-						-	-	-	-	-	36.1	-	-	-		5.1	-	-	-	-	
				5	-					122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
05-Feb-90 5 2 - 5.2 10.9 87.0% 6.95 122	05-Feb-90	5	2		-	5.2	10.9	87.0%	6.95	122	-	- 1	-	-	-	-	-	-	-	-	-	-	-	-	-	

DATE	STN DE	P TIME	SECCHI	EXTINCT	LIGHT	TEMP	DO	DOSAT	pH (	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	Al	Fe	CL	тос
																35.6			-	640	3.6	_	_	_	_	_	_
05-Feb-90	5 3				-	5.1		86.7% 86.6%		123 122	-	_	-	-	_	-	-	_	_	-	-	_	-	_	-	_	-
05-Feb-90	5 4				-	5.1	10.8	86.7%		123	-	_	_	_	_	_	-	-	-	_	_	_	-	_	-	_	-
05-Feb-90	5 4				-	5.1	10.8	86.7%		123	-	-	-	-	_	37.1	_	_	-	622	4.5	_	_	-	-	-	-
05-Feb-90	5 (	<b>,</b>			-	5.1	10.8	00.770	0.09	124	-	-	-	-	-	07.1	_										
05-Mar-90	1 (	)	10.7		-	7.8	12.1	103.9%	7.18	116	-	-	-	-		34.7	-	-	-	643	14.7	-	-	-		-	-
05 <b>M</b> ar90	1	I			-	7.9	12.5	107.1%	7.09	121	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	1 3	2			-	7.2	11.8	99.5%	6.99	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	1 :	3			-	6.5	11.1	91.9%	6.89	137	-	-	-	-	-	41.3	-	-	-	685	6.6	-	-	-	-	-	-
05–Mar–90	1 -	1			-	6.0	11.2	91.3%	6.83	130	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05Mar90	1	5			-	5.7	11.3	91.8%	6.81	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	1	5			-	5.8	10.2	83.2%	6.75	135	-	-	-	-	-	31.8	- '	-	-	639	3.8	-	-	-	-	-	-
05–Mar–90	2	0	10.1		-	7.8	13.3	113.4%	7.14	118	-	-	-	-	-	32.5	-	-	-	635	16.4	-	-	-	-	-	-
05–Mar–90	2	1			-	7.7	13.3	113.2%	7.13	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	2	2			-	7.1	13.3	111.6%	7.12	124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Mar-90	2	3.			-	6.2	12.4	101.7%	7.02	124	-	-	-	-	-	25.0	-	-	-	631	3.1	-	-	-	-	- 1	-
05-Mar-90	2	4			-	5.6	11.6	94.0%	6.96	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	2	5			-	5.5		89.9%		127	-	_	-	-	_	-	-	-	-	-	-	-		-	-	-	-
05-Mar-90		6			_	5.4		87.8%		129	_	_	-	_ '	-	28.1	-	-	-	624	3.1	-	-	-	-	-	-
05-Mar-90	2				_	4.8		84.7%		128	-	_	-	-	-	-	-	-	-	-	-	-	_	-	-	-	-
05-Mar-90	2				_	4.8		83.6%		129	_	_	-	-	-	_	_	-	-	_	_	-	-	-	-	-	-
05-Mar-90	2	-			_	4.8	10.5	83.5%		130	_	_	-	_	_	-	_	-	-	-	-	-	_	-	-	-	-
05-Mar-90	2 1				_	4.7	9.9	78.4%		130	_	_	_	-	-	_	-	-	-	-	-	-	-	-	-	-	-
05-Mar-90		- D 1100	9.6	0.351	-	7.6		112.0%		122	_	1.0	40.0	5.0 U	10.5	26.2	15.0 U	445	540	473	11.0	4	0	-	-	2.2	-
05-Mar-90	3				38.1%					122	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	3	2			18.4%	7.4	13.2	111.5%	7.05	124		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	3	3			12.3%	6.3	12.5	103.5%	7.00	125	-	0.8	40.9	5.8	11.0	27.9	15.0 U	458	562	634	7.9	-	-	-	-	-	-
05–Mar–90	3	4			5.3%			99.2%		126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Mar-90	-	5			1.0%				6.93	127	-	-	-	- '	-	-	-	-	-	-	-	-	-	- 47 B	- 123	-	- 6.89
05–Mar–90	-	6			0.9%			91.1%		128	-	0.9	40.8	5.0 U	18.7	28.1	15.0 U	505	599	532	5.0	_	-		-	_	-
05–Mar–90 05–Mar–90		7 8			0.4% 0.2%			88.7%	6.83	128 127	-	_	-	-	-	-	_	_	_	_	_	_	_	-	<u> </u>	-	-
05-Mar-90		9			0.2%				6.76	129	_	_	41.5	16.3	-	30.1	15.0 U	523	-	347	-	-	-	_	-	-	-
05-Mar-90	3 1				0.0%				6.73	128	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-
05-Mar-90	3 1				0.0%				6.70	129	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	31				0.0%	4.7	10.5	83.2%	6.69	129	-	-	41.9	21.7	-	35.4	15.0 U	J 540	-	675	-	-	-	-	-	-	-
05–Mar–90	3 1	3			0.0%	4.6	10.3	81.6%	6.66	131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	31	4			0.0%	4.5	9.9	78.3%	6.62	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	31	5			-	4.5	8.9		6.56	135	-	-	42.9	21.7	-	38.8	15.0 U	J 580	-	614	-	-	-	67 B	133	-	8.15
05–Mar–90	31	6			-	4.5			6.53	134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Mar-90	3 1			_	-	4.5			6.48	138	-	-	-	-	-	-	-	-	- 551	- 469	11 5	-	-	-	-	- 2.9	-
05-Mar-90		0 1210	10.2	2	-	7.5		113.6%		123	-	0.9	40.8	15.3	11.7	25.9	15.0 L	J 433	551	409	11.5	_	-	-	_		_
05-Mar-90		1			-	7.5				124 123	-	-	_	-	-	-	_	-	-	_	-	_	_	_	-	-	_
05-Mar-90		2			-	7.4 7.0				123	-		- 40.9	123	11.3	32.7	15.0 U	J 447	561	638	11.2	-	-	-	-	-	_
05–Mar–90 05–Mar–90		3 4			_	6.4				125	_	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Mar-90		-+ 5			_	5.8			5 7.06	126	_	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05-Mar-90		6			-		11.7		6 7.00	126	-	0.9	40.7	16.6	12.2	27.4	15.0 L	J 486	584	612	5.0	-	-	52 B	89 B	-	6.36
05-Mar-90	4				-		11.7		6.96	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90		8			-	5.3	11.5	92.5%	6.92	126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	4	9			-	5.1	11.4	90.8%	6.85	127	-	-	40.5	17.6	-	28.6	15.0 L	J 507	-	460	-	-	-	-	-	-	-
05–Mar–90	4 1	0			-		11.1		6.82		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05–Mar–90	41				-	4.9			6.81	128	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
05Mar-90	4 1	2			-	4.9	10.9	86.89	6.78	128	-	-	40.8	20.9	-	28.4	15.0 L	J 532	-	630	-	-	-	- '	-	-	-

DATE	STN	DEP	TIME	SECCHI E	EXTINCT	LIGHT	TEMP	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	ΤP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS A	N	Fe	CL	тос
								10.5	00.0%	0 70	100								_			-	_			-	_	_
5-Mar-90	4					-	4.7	10.5	83.3%		128	-	-	-	-	-	-	-	-	-	-	-	-			_	-	_
5-Mar-90		14 15				-	4.6	9.9	78.4%		130 130	-	-	- 41.4	- 18.9	-	30.3	- 15.0 U	536	_	636	_	_	- 61	1 B	111 B	-	6.
5-Mar-90 5-Mar-90	4		1300	10		-	4.6 7.9	9.5 13.6	75.4% 116.6%		123	-	-	41.4	-	-	24.5	-	-	_	586	8.3	_			-	_	_
5Mar-90 5Mar-90	5 5	1	1300	10		_	7.6	13.4	113.7%		123	-	_	_	_	_	-	_	-	_	-	-	-			_	_	_
5-Mar-90 5-Mar-90	5	2				_	7.4	13.2	111.7%		123	_	_	_	_	_	_	_	_	-	-	_	_			_	-	-
5-Mar-90 5-Mar-90	5	3				_	7.1	13.1	109.9%		124	_	_	_	_	-	25.7	-	-	-	597	8.2	-			-	-	-
5-Mar-90	5	4				-	6.7	12.7	106.0%		125	-	-	_	_	_	-	-	-	-	-	-	-			-	-	-
5-Mar-90	5	5				_	5.9	12.2	99.9%		125	-	_	-	-	-	-	-	-	-	-	-	-			-	-	-
5Mar90	5	6				-	5.6	11.8	95.9%		126	-	-	-	-	-	28.9	-	-	-	607	7.5	-			-	-	-
2-Apr-90	1	0	950	13		_	11.7	12.1	113.7%	7 05	129	_	-	_	_	-	19.0	· _	_	-	494	2.9	_			-	-	_
2-Apr-90	1	1	000	10		_	11.6	12.2	114.0%		129	_	_	_	-	_	-	-	_	_	_	_	-			-	-	-
2-Apr-90	1	2				-	11.5	11.1	104.1%		131	_	_	_	-	-	-	_	-	-	-	-	-			-	-	-
2-Apr-90	1	3				-	9.0	10.8	95.3%		131	-	-	_	-	-	32.3	-	-	-	503	3.4	-			-	<b>_</b> '	-
2-Apr-90	1	4				_	7.8	10.4	89.2%		133	-	-		-	-	-	-	-	-	-	-	-			-	-	-
2-Apr-90	1	5				-	7.1	9.2	77.6%	6.52	132	-	-	-	-	-	-	-	-	-	-	-	-		•	-	-	-
2-Apr-90	1	6				-	6.6	5.8	48.0%	6.37	132	-	-	-	-	-	27.4	-	-	-	589	6.0	-			-	-	-
2-Apr-90	2	0	1008	12.5		-	11.5	12.1	113.4%	7.10	128	-	-	-	-	-	21.5	-	-	-	496	3.5	-		•	-	-	-
2-Apr-90	2	1				-	11.5	12.2	113.9%	7.00	127	-	-	-	-	-	-	-	-	-	-	-	-		•	-	-	-
2-Apr-90	2	2				-	10.5	12.1	110.8%	6.88	128	-	-	-	-	-	-	-	-	-	-	-	-		•	-	-	-
2-Apr-90	2	з				-	9.4	10.9	96.6%	6.69	135	-	-	-	-	-	26.6	-	-	-	545	7.9	-		•	-	-	-
2-Apr-90	2	4				-	8.3	11.7	101.2%		130	-	-	-	-	-	-	-	-	-	-	-	-		•	-	-	-
2-Apr-90	2	5				-	7.7	10.3	88.4%		131	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
-Apr-90	2	6				-	7.0	8.9	74.4%		131	-	-	-	-	-	21.5	-	-	-	555	5.9	-		•	-	-	
2-Apr-90	3	0	1026	12	0.315	-	11.25		85.2%			0.197	0.7	61.2	5.0 U	8.9	14.5	15.0 U	307	435	503	3.1	0	0 -	•	-	1.9	
2-Apr-90	3	1				46.6%		12.3	114.4%		127	-	-	-	-	-	-	-	-	-	-	-	-		•	-	-	
2-Apr-90	3	2				24.8%		12.3	114.0%		127	-	-		-	-	-	-	-	-	-	-	-		•	-	-	
2-Apr-90	3	3				11.5%		13.0	115.7%		129		0.8	42.4	5.0 U	9.2	23.2	15.0 U	310	420	521	5.1	-			-	_	
2-Apr-90	3	4				5.4%		12.4	107.7%		129	-	-	-	-	-	-	-	-	-	-	_	_			_	-	_
2-Apr-90	3	5				2.7%		10.7	91.0%		130	-		-	-	- 10.4	20.5	- 15.0 U	- 403	_ 504	- 600	- 8.2	-	2'	1	- 77.	_	5.4
2-Apr-90	3	6				1.3%		9.9	83.2%			0.218	0.8	42.1	5.9	10.4	20.5	15.0 U	405		-	-	_			_	_	_
2-Apr-90	3	7				0.7%		9.4	77.5%		132	-	-	-	-	-	-	-	_	_	-	_	-			-	_	
2-Apr-90	3	8				0.3% 0.2%		9.1 8.4	74.9% 69.2%		132	- 0.227	-	- 42.3	- 6.4	-	18.0	- 15.0 U	458	_	641	_	_			-	_	_
2-Apr-90	3 3	9 10				0.2%		8.3	67.7%		133	-	_		-	_	-	-	-	_	-	-	_		-	-	_	_
2–Apr–90 2–Apr–90	3					-	5.8	8.2	66.9%		133	_	_	_	_	_	-	-	-	-	-	-	-		-	_	-	_
2-Apr-90	3					_	5.7	8.0	64.7%			0.232	-	41.9	8.4	-	22.0	15.0 U	488	_	674	-	-		-	-	-	-
2-Apr-90	3					_	5.6	7.9	63.6%		133	-	-	_	_	-	-	-	_	-	-	-	-		-	-	-	-
2-Apr-90	3					-	5.6	7.7	62.2%		133	_	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
2-Apr-90	3					-	5.5	7.4	59.9%			0.234	_	42.2	11.7	-	28.1	17.6	519	-	681	-	-	- 24	4	109	-	7
2-Apr-90	3					-	5.5	7.4	59.5%			0.235	-	-	_	-	_	-	-	-	-	-	-		-	-	-	-
2-Apr-90	з					-	5.5	7.1	57.6%	6.08	134	0.235	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
2Apr-90	4		1120	11.5		_	10.9	12.4	114.3%		125	-	0.7	41.2	5.0 U	8.4	16.8	15.0 U	307	439	496	3.4	0	0 -	-	-	1.9	
2-Apr-90	4	1				-	10.9	12.4	114.6%	7.14	126	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
2-Apr-90	4	2				-	10.3	12.8	116.2%	7.19	126	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
2-Apr-90	4	з				-	9.2	13.6	120.2%	7.31	126	-	0.8	41.2	5.0 U	8.9	19.5	15.0 U	305	430	515	7.4	-		-	-	-	
2-Apr-90	4	4				-	8.4	13.0	112.9%		127	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
2-Apr-90	4	5				-	7.3	11.1	93.8%	7.02	128	-	-	-	-	-	-	-	-	-	-	-	-			-	-	
2-Apr-90	4	6				-	6.9	10.1	84.1%	6.84	129	-	0.9	41.8	5.0 U	8.9	18.5	15.0 U	405	496	573	7.0	-	- 19	9	73	-	6.
-Apr-90	4	7				-	6.5	9.8	81.0%	6.66	130	-	-	-	-	-	-	-	-	-	· -	-	-		•	-	-	
2-Apr-90	4	8				-	6.2	9.1	75.0%	6.57	131	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	
2-Apr-90	4	9				-	6.0	8.9	72.8%	6.49	131	-	-	41.7	5.0 U	-	20.0	15.0 U	462	-	641	-	-		-	-	-	
2-Apr-90	4	10				-	5.8	8.3	67.4%		132	-	-	-	-	-	. –	-	-	-	-	-	-		-	-	-	
2-Apr-90	4	11				-	5.7	8.3	67.3%		132	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
2-Apr-90	4	12				-	5.6	8.2	66.8%	6.25	133	-	-	42.3	6.1	-	18.8	15.0 U	498	-	652	-	-		-	-	-	-
2-Apr-90	4	13				-	5.6	8.1	65.5%	6.22	131	-	-		-	-	-	-	-	-	-	-	-		-	-	-	-

DA	ATE S	TN	DEP	TIME	SECCHI EXTINCT	LIGHT	ТЕМР	DO	DOSAT	pН	COND	ORP	TURB	ALK	SRP	TSP	TP	NH3N	NO23N	TSN	TPN	CHLa	FC	FS	Al	Fe	CL	тос
02-Apr-	-90	4	14			-	5.5	7.3	59.0%	6.19	132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-	-90	4	15			-	5.5	5.5	44.6%	6.12	133	-	-	42.2	6.4	-	18.3	15.0 U	511	-	682	-	-	-	26	102	-	7.28
02-Apr-	-90	5	0	1204		-	10.7	12.7	116.2%	7.25	125	-	-	-	-	-	16.0	-	-	-	514	4.4	-	-	-	-	-	-
02-Apr-	-90	5	1			-	10.6	12.7	116.5%	7.24	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-	-90	5	2			-	10.3	12.6	114.7%	7.23	125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-	-90	5	3			-	8.9	13.6	119.9%	7.33	125	-	-	-	-	-	17.0	-	-	-	511	7.6	-	-	-	-	-	-
02-Apr-	-90	5	4			-	8.2	12.8	110.3%	7.22	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-	-90	5	5			-	7.5	11.4	96.5%	7.05	127	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
02-Apr-	-90	5	6			-	6.7	9.1	76.0%	6.80	129	-	-	-	-	-	17.3	-	-	-	567	8.4	-	-	-	-	-	-

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APPENDIX A.2. Lake Sawyer watershed database key and explanation of field names, data units and data qualifiers.

======================================	PARAMETER	UNITS
======================================		
DATE	Date	<b>——</b>
REPL	Replicate	
TIME	Time of Sampling	military time
FLOW	Discharge	cfs
TEMP	Temperature	degrees C
pH	рН	su້
DO	Dissolved Oxygen	mg/L
DOSAT	Dissolved Oxygen Saturation	percent
TURB	Turbidity	NTU
COND	Specific Conductance	$\mu$ mhos/cm
SRP	Soluble Reactive Phosphorus	μg/L
TP	Total Phosphorus	μg <u>/</u> L
TSP	Total Soluble Phosphorus	µg/L
NH3N	Ammonia as Nitrogen	µg/L
NO23N	Nitrate + Nitrite as Nitrogen	µg/L
TSN	Total Soluble Nitrogen	µg/L
TPN	Total Persulfate Nitrogen	µg/L
FC	Fecal Coliform	#/100mL
FS	Fecal Streptococci	#/100mL
CL	Chloride	mg/L
тос	Total Organic Carbon	mg/L

Missing Data Code: "-"

Data Qualifiers:

- J = Estimated value: value not accurate.
- B = Analyte is found in the blank as well as the sample, indicating possible/probable blank contamination.
- U = Analyzed but not detected. The value reported is the lower reporting limit (estimated detection limit).
- P = Greater than (>).

TMTC = Too many to count.

KEY FOR WATERSHED STATION NAMES:

BDLC = BLACK DIAMOND LAKE CREEK COV = COVINGTON CREEK	RCA = ROCK CREEK AT ABRAMS ROAD RCLS= ROCK CREEK AT LAKE SAWYER
GINDN= GINDER CREEK AT ROCK CREEK	RCMB= ROCK CREEK AT MORGANVILLE BRIDGE
GINUP= GINDER CREEK UPSTREAM	WTP DRAIN = TREATMENT PLANT DRAIN TILE
MM = MORGANVILLE MARSH DRAINAGE	WTP SPRING= TREATMENT PLANT SPRING
PS = PALMER SPRING	WTPEFF = TREATMENT PLANT EFFLUENT
RAV = RAVENSDALE CREEK	WTPIN = TREATMENT PLANT INFLUENT

STN	DATE	REPL	TIME	FLOW	TEMP	pН	DO	DOSAT	TURB	COND	SRP	TP	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL .	тос
	27-Feb-89		800	0.9	-	-	-	-	-	-	-	22.2	-	-	-	-	810	-	-	-	-
	27-Feb-89		1535	-	4.9	7.10	11.3	89.9%	-	-	10.6	23.6	-	15.0 U	490	-	890	-	-	-	-
	27-Feb-89		915	-	-	-	-	-	-	-	-	20.5	-	-	-	-	630	-	-	-	-
	27-Feb-89		1505	-	-	-	13.2	92.0%	1.0	151	13.9	21.2	-	15.0 U	470	-	630	-	-	-	-
	27Feb89		835	0.3	-	-	-	-	-	-	-	13.9	-	-	-	-	900	-	-	-	-
ММ	27-Feb-89	в	1605	-	4.0	7.56	7.7	59.8%	-	-	10.4	14.3	-	15.0 U	560	-	885	-	-	-	-
	27-Feb-89		810	0.2	-	-	-	-	-	-	-	33.2	-	-		-	1040	-	-	-	-
PS	27-Feb-89	В	1545	-	10.6	7.61	2.4	22.0%	-	-	24.9	51.8	-	708	5 U	-	970		-	-	-
RAV	27-Feb-89	Α	905	-	-	-	-	-	-	-	-	5.5	-	-	-	-	590	-	-	-	-
RAV	27Feb89	в	1635	-	6.7	8.40	12.1	100.8%	0.6	125	5.0 U	6.0	-	15.0 U	560	-	570	-	-	-	-
RCA	27-Feb-89	Α	830	-	-	-	-	-	-	-	-	25.4	-	-	-	-	1630	-	-	-	-
RCA	27-Feb-89	в	1555	14.4	4.9	8.50	11.6	92.3%	3.7	164	8.6	21.4	-	15.0 U	980	-	1920	-	-	-	-
RCLS	27-Feb-89	Α	855	-	-	-	-	-	-	-	-	81.4	-	-	-	-	1030	-	-	-	-
RCLS	27-Feb-89	В	1625	-	3.4	8.63	11.1	84. <b>9%</b>	2.2	182	61.2	81.4	-	20.1	740	-	1010	-	-	-	-
RCMB	27-Feb-89	Α	845	-	-	-	-	-	-	-	-	91.9	-	-	-	-	1320	-	-	-	-
RCMB	27-Feb-89	в	1615	14.2	3.2	7.92	11.1	84.5%	2.6	179	76.3	94.1	-	25.5	920	-	1970	-	-	-	-
	27-Feb-89		820	-	-	-	_	-	-	-	-	4927	-	-	-	-	19690	-	-	-	-
	27-Feb-89			-	-	-	-	-	16	380	4311	4621	-	4172	60	-	20560	2910	-	-	-
BDLC	21–Mar–89	Α	875	-	-	-	-	-	-	-	-	22.9	-	_	-		770	-	-	-	-
BDLC	21-Mar-89	в	1140	2.4	8.7	6,90	10.4	91.0%	1.0	-	8.5	40.3	9.3	21.1	490	-	840	9	3	1.88	10.2
BDLC	21-Mar-89	С	1445	-	-	-	-	-	-	-	-	30.0	-	-	-	-	890	25	24	-	-
cov	21 <b>M</b> ar-89	Α	1110	_	-	-	-	-	-	-	-	21.2	-	-	-	-	575	-	-	-	-
cov	21-Mar-89	в	1425	52.5	6.7	7.41	13.0	108.1%	1.0	-	5.0 U	20.9	5.1	23.1	360	-	520	-	-	2.50	6.4
cov	21-Mar-89	С	1545	-	-	-	-	-	-	-	_	22.7		-	-	-	560	-	-	-	-
	21-Mar-89		835	-	-	_	_	-	-	_	-	16.2	-	-	-	-	810	-	-	-	-
	21-Mar-89		1225	7.3	8.4	7.47	8.2	71.2%	5.1	-	8.0	18.4	6.1	15.0 U	840	-	920	6	6	2.25	8.1
	21-Mar-89		1455	_	-	_	-		-	-	-	21.4	-	-	-	-	920	101	15	-	-
	21-Mar-89		1025	6.6	-	-	_	-	-	_	_	25.2	_	_	-	-	880	-	-	-	-
	21-Mar-89		1245	-	7.7	7.01	11.2	95.6%	5.1	_	6.5	21.7	5.0 U	28.0	970	-	1060	108	38	2.10	8.2
	21-Mar-89		1505	_	_	_	_	_	_	_	_	38.9	_	_	-	_	1010	151	72	-	-
	21-Mar-89		1035	_	_	_	_	_	_	_	_	13.9	-	_	-	-	740	-	-	_	-
	21-Mar-89		1305	0.3	- 7.4	6.20	5.7	48.3%	3.7	_	8.8	13.6	10.5	18.1	320	-	770	1	0	2.00	14
				0.5	7.4	0.20	5.7	40.070	0.7	-	-	17.4	-	-	-	-	700	5	0	_	-
	21-Mar-89		1513	-	-	-	-	-	-	-		33.0	-	_	_	_	1090	-	-	_	_
	21-Mar-89		1020	-	-	-	-	-	-	-	-			- 965	- 5 U	_	1030	- 0	- 0	0.30 U	37
	21-Mar-89		1155	0.3	15.9	6.82	1.3	12.9%	1.4	-	28.4	33.5	29.4	900	50	-		v	0	-	-
	21-Mar-89		1450	-	-	-	-	-	-	-	-	34.2	-	-	-	-	1090	-	v	_	_
	21-Mar-89		1055	-	-	-	-	-	-	-	-	7.1	-	-	-	-	535	-		-	- -
	21-Mar-89			24.8	7.7	6.71	11.8	100.8%	0.9	-	5.0 U	5.0 U	5.0 U	15.0 U	540	-	590	0	1	2.10	3.2
	21-Mar-89		1535	-	-	-	-	-	-	-	-	6.3	-	-	-	-	560	1	2	-	-
	21–Mar–89		820	-	-	-	-	-	-	-	-	20.7	-	-	-	-	1100	-	-	-	-
RCA	21-Mar-89	В	1220	20.2	8.4	7.47	10.8	93.8%	2.8	-	6.4	19.7	8.1	16.1	970	-	940	4	3	2.49	7.35
RCA	21-Mar-89	С	1455	-	-	-	-	-	4.4	-	5.0 U	21.4	-	15.0 U	960	-	1000	-	11	2.23	10
RCLS	21-Mar-89	A	1045	-	-	-	-	-	-	-	-	67.7	-	-	-	-	1220	-	-	-	-
RCLS	21-Mar-89	В	1400	22.8	7.6	6.67	10.5	89.4%	1.8	-	47.5	69.2	50.2	15.0 U	775	-	1100	9	7	2.90	8.8
RCLS	21–Mar–89	С	1530	-	-	- 1	-	-	-	-	-	65.2	-	-	-	-	1030	12	12	-	-
RCMB	21-Mar-89	Α	1040	-	-	-	-	-	-	-	-	75.5	-	-	-	-	1300	-	-	-	-
RCMB	21-Mar-89	В	1320	19.1	8.2	6.39	12.2	105.5%	1.8	-	56.7	77.7	59.1	15.0 U	760	-	980	7	9	2.75	7.8
RCMB	21-Mar-89	С	1520	-	-	-	-	-	1.8	-	61.8	74.0	59.9	15.0 U	780	-	970	22	10	2.50	12.6
	21-Mar-89		827	-	_	-	-	_	-	-	-	15.4	_	-	-	-	900	-	-	-	-

STN	DATE	REPL	TIME	FLOW	TEMP	рН	DO	DOSAT	TURB	COND	SRP	ТР	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL	тос
												70 7	100	856	1340	·	2310	400	100	2.05	-
	21-Mar-89		1000	-	-	-	-	-	0.8	-	131	70.7	120			-	380	400	0	1.35	-
	3 21-Mar-89		1000	.5gpm	-	-	-	-	4.0	-	6.9	24.4	11.3	53.8	5 U	-		Ŭ	Ŭ	-	28.4
WTPEFF	21-Mar-89	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WTPEFF	21-Mar-89	B	850	-	-	-	-	-	-	-	-	3886	-	-	-	-	12700	1400	1380		-
WTPEFF	21 <b>-M</b> ar-89	MO (	850	-	-	-	-	-	18	-	3474	4125	3800	11962	9	-	15040	-	-	15.50	-
WTPIN	21–Mar–89	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60
WTPIN	21–Mar–89	ЭВ	915	-	-	-	-	-	-	-	-	6425	-	-	-	-	28140	-	-	-	-
WTPIN	21–Mar–89	OM (	915	-	-	-	-	-	26	-	2963	4314	3527	12836	600	-	17270	-	-	13.80	-
BDLC	11-Apr-89	A	730	-	-	-	-	-	-	-	-	26.6	-	-	-	-	_	-	-	-	-
BDLC	11-Apr-89	ЭВ	1229	2.5	13.2	6.63	11.1	107.6%	1.5	47	6.8	34.0	8.5	15.0 U	349	665	782	3	2	1.85	10.2
BDLC	11-Apr-89	e c	1740	-	-	-	-	-	-	-	-	30.8	-	-	-	-	744	6	5	-	-
cov	11-Apr89	A	1151	-	-	-	-	-	-	-	-	17.0	- 1	-	-	-	546	-	-	-	-
cov	11–Apr–89	ЭВ	1648	56.0	12.4	8.31	12.8	122.5%	1.4	136	5.0 U	20.9	5.0 U	15.0 U	329	476	498	0	1	2.25	6.4
cov	11-Apr-89	e c	1856	-	-	-	-	-	-	-	-	20.2	-	-	-	-	563	0	1	-	-
GINDDN	11-Apr89	A	757	-	-	-	-	-	-	-	-	15.7	- '	-	-	-	899	-	-	-	-
GINDDN	11-Apr-89	ЭВ	1343	4.8	14.8	7.53	9.8	98.1%	3.5	65	6.0	17.2	5.3	25.4	638	440	700	5	2	1.85	8.1
	11–Apr–89		1756	-	-	-	-	-	-	-	-	17.2	-	-	-	-	670	2	2	-	-
	11–Apr–89		835	-	-	-	-	-	-	-	-	21.9	-	-	-	-	893	-	-	-	-
GINDUP	11-Apr-89	ЭВ	1502	4.9	13.4	7.45	10.5	102.3%	6.5	182	7.1	23.4	5.0 U	22.5	805	1100	929	26	2	1.75	8.2
GINDUP			1810	-	-	_	-	-	-	-	-	24.3	-	-	-	-	862	3	5	-	-
	11-Apr-89		847	-	-	_	-	-	-	_	-	21.7	-	-		-	571	-	-	-	· _
мм			1515	0.2	16.5	6.65	5.6	58.8%	1.1	50	10.7	18.7	12.2	27.6	177	686	603	1	2	2.10	14
	11-Apr-89		1814	_	_		-	-	_	_	-	20.2	_	_	-	-	633	0	1	-	-
	11-Apr-89		807	_	_	_	_	-	-	-	-	31.3	-	-	-	-	1050	-	-	-	-
	11-Apr-89		1416	0.3	17.2	7.42	0.8	8.7%	1.0	525	22.1	32.8	21.9	1122	5 U	1250	1090	0	0	0.30 U	37
	11-Apr-89		1745	-	_	_	_	-	-	_	-	31.8	_	_	-	_	1010	0	0	-	-
	11-Apr-89		1124	_	_	_	_	-	-	-	_	7.3	-	_	_	-	510	-	-	-	-
	11-Apr89		1626		11 9	7 27	10.9	102.4%	0.7	130	5.0 U	5.1	5.0 U	15.0 U	487	424	498	0	0	1.90	3.2
	11-Apr-89		1842	00.0			10.0		-	-	-	5.6	-	_	_	_	460	0	2	-	-
	11-Apr-8		751	_	-	-	-	-	-		_	21.9	_	_	_	_	1040	_		_	-
					10.5	-	10.0	102.404	3.1	- 170	- 5.0 U	26.4	10.5	15.0 U	839	1020	901	11	9	2.03	8.4
	11-Apr-89		1310	15.5	12.5	1.20	10.8	103.4%		-	5.0 U	20.9	8.5	15.0 U	770	965	944	12	10	2.10	10
	11-Apr-89		1803	-	-	-	-	-	3.0	-	-	20.9 47.4	-	-	-	_	802	_	_	_	_
	11-Apr-89		1110	-	- 11 5	-	-	-	- 17	- 163	- 34.0	47.4 52.3	- 38.6	- 15.5	- 411	801	775	3	9	2.40	8.8
	11-Apr-89		1614		11.5	6.90	8.9	83.3%	1.7	100	-	52.5 47.4	-	-	_	_	705	4	14	-	_
	11-Apr-89		1838	-	-	-	-	-	-	-	-	47.4 77.8	-	-	-	-	838	-		-	-
	11-Apr-8		852	-	-	-	-	-	-	-			- 65.4	- 17.9	- 469	676	853	7	11	2.40	10.7
	11-Apr-8		1528	15.9	13.8	7.32	10.3	101.0%		158	59.7	85.0		17.9 15.0 U	409 517	912	822	, 8	8	2.45	12.6
RCMB	•	•	1828	-	-	-	-	-	2.5	-	61.8	87.2	67.6	-		912	660		_ `		-
	11-Apr-8		<b>.</b>	1.8	-	-	-	-	-	-	-	16.0	-		- 1240	- 2140	2450	- 870		- 2.20	- 6.4
	11-Apr-8		810	-	-	-	-	-	2.2	-	225	308	358	1005	1240			010		-	-
	11-Apr-8			-	-	-	-	-	-	-	-	-	-	-	-	-	12600		-	-	-
	11-Apr-8		925	-	-	-	-	-	-	-	-	3630	-	-	-	-	13100	10	50		
	11-Apr-8		925	-	-	-	-	-	17	-	3361	3693	-	10195	13	-	13500	-	-	15.10	28.4
	11-Apr-8			-	-	-	-	-	-	-	-	-	-	-	-	-	30000	-	-	-	-
	11-Apr-8		1017	-	-	-	-	-	-	-	-	5277	-	-	-	-	27000	-	-	-	-
WTPIN	11-Apr-8	9 OM	1017	-	-	-	-	-	36	-	3711	5003	4820	12980	5 U	14400	15300	-	-	19.15	60
BDLC	02-May-8	9 A	935	-	-	-	-	-	-	-	-	34.8	-	-	-	-	525	-	-	-	-
	02-May-8	9 B	1125	0.4	15.4	6.80	8.4	85.9%	1.1	55	21.2	35.7	23.6	65.5	20	434	471	9	37	2.20	12.5

STN	DATE	REPL	TIME	FLOW	TEMP	рH	DO	DOSAT	TURB	COND	SRP	TP	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL	тос
<b>COV</b>	00 May 80		1100	_					_	_	_	16.0	_	_	_	_	363.5	-	_	-	-
	02-May-89		1100 1515	- 23.3	- 16.2	- 8.25	- 11.6	- 120.3%	1.1	139	- 5.0 U	16.8	5.0 U	17.8	200	394	364	9	1	2.35	4.85
	02-May-89 02-May-89		1005	20.0	10.2	0.20	11.0	120.370	-	100	-	19.4	-	-	_	_	481	_	_	-	-
	02-May-89		1210	- 1.1	- 12.0	- 7.36	- 9.5	- 89.7%	3.9	290	9.2	26.4	9.9	41.1	210	219	366	107	16	2.45	11.4
	02-May-89		1010	-	12.0	7.30			-	230	-	19.4	-	_	_	_	-	_	_	-	-
	02-May-89		1330	0.5	16.4	- 7.55	11.4	- 118.6%	1.6	239	5.8	14.5	6.9	19.4	260	285	410	37	28	2.00	8.57
	02-May-09		1017	-		-		-	-	-	-	45.9	_	_	_	_	1070	-	-	-	-
	02-May-89		1340	0.1	15.6	6.02	10.6	108.2%	1.6	137	25.9	54.5	28.1	43.0	10	678	1020	31	37	2.45	33.8
	02-May-89		945	-	-	-	-	-	-	-	-	34.5	-	_	-	-	1140	-	-	-	-
	02-May-89		1140	0.1	16.7	7.05	0.6	6.3%	1.3	155	20.4	34.9	21.6	967	10	1550	1110	0	0	0.30 U	48.4
	02-May-89		1043	-		7.00	-	-	-	-	_	7.9	-	-	_	-	390	_	-	-	-
	02-May-89		1450	24.5	11.8	7.42	10.7	100.5%	0.8	121	5.0 U	6.4	5.0 U	15.8	380	404	436	0	39	2.00	4.48
	02-May-89		1000	24.5		7.42			-		-	32.3	-	-	_	-	562	_	_	_	-
			1202	-	- 14.2	7 20	- 9.3	92.1%	3.2	200	7.6	24.7	10.6	42.1	220	326	527	37	146	2.30	11.4
	02-May-89		1202	-	14.2	1.29	ə.ə	92.170	-	200	-	141	-	-	-	-	445	-	_	-	_
	02-May-89 02-May-89		1040	- 4.5	- 14.0	- 6.90	- 4.6	- 45.7%	- 1.9	- 242	- 119	159	123	45.4	150	535	534	22	41.5	3.18	16.4
	02-May-89 02-May-89		1420	4.0	14.0	0.90	4.0				-	214	-	-	-	-	700	-	-	-	_
	02-May-89		1350	-	- 14.0	- 7.27	- 7.8	- 77.0%	2.6	284	159	220	164	71.1	270	384	641	32	45	3.65	20.3
	02-May-89 02-May-89		950		14.0	1.21	7.0		2.0	-	291	333	283	1819	1440	3300	3540	3140	340	3.05	8.04
	02-May-89		900	-	-	-		_	<b>E</b> . 1	_	-	4843	_	-	-	-	_	-	_	_	_
	•		830	-	-	-	-	-	-	-	-	5994	_		-		20000	-	-	-	-
	02-May-89		830	-		-	-	-	- 14	_	4218	5550	_	11560	40	_	13070	TNTC	2380	20.15	46.
	02-May-89 02-May-89		830	-	-	-	-	-		_	-	6956	_	-	_	_	-	_	-	-	-
	02-May-89		850	_		_	_	_	_	_	-	9324	_	_	-	-	41620	_	-	-	-
	02-May-89		850	-	_	-	_	-	48	_	4362	6684	4918	15497	120	19370	26490	-	-	24.60	12
WIFIN	02-May-03	OW	830	-	-	-	-	-	40	_	HOOL	0004									
BDLC	23-May-89	Α	820	-	-	-	-	· _	-	-	-	40.3	-	-	-	339	380	-	35	-	-
BDLC	23-May-89	В	950	0.3	14.3	6.17	7.7	76.8%	1.0	61	18.7	39.3	27.2	25.9	5 U	-	307	-	-	1.75	12.3
cov	23-May-89	Α	925	_	-	-	-	-	-	-	-	18.3	-	-	-	-	308	16	11	-	-
cov	23-May-89	в	1320	17.6	16.2	7.09	11.3	117.6%	1.7	137	5.0 U	18.8	5.0 U	15.0 U	47	189	287	-	-	2.18	6.9
	23-May-89		840	-	_	-	-	-	-	-	-	39.0	-	-	-	-	486	163	124	-	-
	23May89		1035		11.4	6.65	9.5	88.2%	3.7	241	9.1	32.3	11.5	15.0 U	201	497	541	-	-	1.55	4
	23-May-89		848	_	-	-	-	-	-	-	-	34.9	-	-	-	-	629	112	244	-	-
	23-May-89		1145	-	12.7	6.95	10.2	98.1%	3.4	244	7.2	28.3	10.8	15.0 U	251	610	700	-	-	1.50	9.4
MM	-		852	0.0	_	-	_	-	-	_	_	172	-	-	-	-	1580	36	118	-	-
	23-May-89		1340	_	16.0	4.00	10.9	112.0%	1.3	128	28.9	52.8	28.2	31.2	5 U	1220	1440	-	-	2.10	40.
	23-May-89		830	-	-	_	-	-	-	_	-	47.9	-	-	-	-	1106	0	0	-	-
	23-May-89		1010	0.2	16.5	6.39	1.2	12.5%	1.4	1670	20.8	47.5	19.7	1116	5 U	1151	1190	-	-	0.30 U	78.
	23-May-89		913	-	_		-	_	-	-	-	13.0	_	-	-	-	477	7	41	-	-
	23-May-89		1230	14.9	10.8	6.49	11.3	104.3%	0.9	100	5.0 U	11.2	5.3	15.0 U	363	437	452	-	-	2.03	4.
	23-May-89		835	-	-	-	-	-	-	-	9.3	34.9	-	-	<b>-</b> .	-	472	222	172	-	15.
	23-May-89		1130	5.5	12.1	6.71	9.2	87.2%	3.8	208	8.1	31.5	14.0	22.1	143	490	411	178	143	1.85	12.
	23-May-89		910	-	-	-	-	-	-	_	-	129	_	-	_	-	436	28	135	-	-
	23-May-89		1255	55	- 13.2	6.51	9.1	88.6%	1.9	248	94.7	137	101	26.6	87	389	441	-	-	2.90	17.
	23-May-89 23-May-89		857			-	-	-	-	-	158	212	-	-	-	-	594	93	108	-	2
	23-May-89 23-May-89		1355	- 6.5	- 13.0	- 6.58	- 7.3	- 71.0%	- 2.7	- 273	167	212	169	72.7	169	660	632	83	96	3.35	18.
	23-May-89 23-May-89				13.0	0.00	7.5	71.0%	e.1	-	-	49.5	-	-	_	-	550	-	-	-	-
	•		1125	0.1	-	-	-	-	- 3.6	-	- 675	49.5 678	- 554	3260	1741	5398	9740	2900	400	4.40	4.6
	23-May-89	,	1435	-	-	-	-	-	0.0	-	0/5	0/0	004	0200						•	
	23-May-89										-	5495	-	-	-	-	21140	-	_	-	-

STN	DATE	REPL	TIME	FLOW	TEMP	рН	DO	DOSAT	TURB	COND	SRP	ТР	TSP	NH3N	NO23N	TSN	TPN	FC	FS		тос
	02 May 90	014	1500						16	_	5506	6080	6122	14428	38	16105	20820	-	_	23.05	51.7
	23-May-89		1500	_		-	-	_	-	_	-	6630	_	_	_	_	26350	-	-	-	-
	23-May-89		1510	-	-	-	-	-	-	-	- 4827	8445	_	_	-	_	31090	-	-	-	-
	23-May-89 23-May-89			-	-	-	-	-	- 57	-	4318	6443	4947	18101	108	21473	27090	_	-	27.95	92.9
WIFIN	23-May-09	OM	1510	-	-	-	-	-	57	-	4010	0110		10101							
BDLC	13-Jun-89	A	855	-	-	-	-	-	-	-	-	92.7	-	-	-	-	754	-	-	-	-
BDLC	13-Jun-89	в	1045	0.0	15.1	6.34	5.2	52.5%	2.2	81	59.2	94.0	72.5	86.9	30	639	701	610	95	1.55	-
cov	13-Jun-89	A	1010	<u>-</u>	-	-	-	-	-	-	-	17.5	-	-	-	-	222	-	-	-	-
cov	13–Jun–89	в	1515	6.6	22.0	7.19	9.4	109.9%	1.3	138	-	19.2	6.8	-	_ 1	119	274	31	30	2.25	-
PS	13–Jun–89	A	900	-	-	-	-	-	-	-	-	37.2	-	-	-	-	1162	-	-	-	-
PS	13-Jun-89	в	1050	0.1	16.9	6.55	0.8	8.3%	2.3	1630	33.7	35.7	33.4	105	5 U	1315	867	0	0	0.30 U	-
RAV	13-Jun-89	A	955	-	_	-	-	-	-	-	-	15.1	-	-	-	-	364	-	-	-	-
	13-Jun-89		1323	10.7	14.9	6.81	10.2	103.0%	1.9	112	-	12.0	9.1	-	-	306	397	3	5	2.15	1.5
	13–Jun–89		902	-	-	-	-	-	2.6	-	19.1	34.0	23.9	48.8	55	512	575	1815	99	1.90	-
	13-Jun-89		1130	-	14.7	6.76	8.2	82.1%	2.4	282	18.9	32.8	23.2	50.5	60	500	492	316	83	1.85	-
RCLS	13-Jun-89	A	940	-	-	-	-	-	-	-	-	175	-	-	-	-	358	-	-	-	-
RCLS	13-Jun-89	в	1340	1.4	17.7	6.61	4.3	45.7%	1.8	346	119	178	128	58.2	15	442	491	104	53	3.10	17.
	13–Jun–89		920		-	-	-	-	2.6	-	199	269	198	70.7	230	592	725	85	108	4.20	16.
RCMB	13–Jun–89	в	1415	1.5	17.4	6.73	4.9	52.1%	3.4	369	197	282	199	63.1	290	655	691	57	87	4.05	20.
WTPEFF	13–Jun–89	A		-	-	-	~	-	-	-	-	6500	-	-		-	25326	-	-	-	-
WTPEFF	13–Jun–89	в	830	-	_	-	-	-	-	-	-	6051	-	-	-	-	24954	0	20	-	-
	13–Jun–89		830	-	-	-	-	-	11	-	6224	6370	6748	20929	180	48228	14102	-	-	23.20	3
																	400				
BDLC			815		-	-	-	-	-	-	-	32.6	-	-	-	-	493	-	- 20	- 1.70	_
BDLC			958	0.0	16.1	7.16	5.3	54.5%	1.0	72	18.2	35.4	25.8	29.1	6	433	115 24220	14	20	1.70	
WTPEFF				-	-	-	-	-	-	-	-	6474	-	-	-	-		- 0	- 20	-	_
	11-Jul-89		830	-	-	-	-	-	-	-	-	7156	-	-	-	-	20880	U		- 27.40	
WTPEFF			830	-	-	-	-	-	7.1	231	6527	7076	7140	13611	5693	21400	21650	-	-	-	_
PS			845	-	-	-	-	-	-	-	-	34.1	-	-	-	-	1220	- 0	- 0	- 0.30 U	
	11-Jul-89		1020	0.1	17.0	7.33	2.4	25.5%		1680	19.5	36.6	23.0	1050	5 U	1240	1210 298	110	202	2.15	_
RCA			847	-	-	-	-	-	3.2	-	12.0	32.0	18.5	48.7	29	465	298 481	266	198	1.65	_
RCA			1025	2.8	17.0	7.67	5.8	61.1%	3.1	143	13.0	33.0	20.3	48.0	19	464				4.00	- 11.
RCMB			900	-	-	-	-	-	2.3	-	182	248	188	33.2	131	501 540	284	62 58	34 33	4.00	10.
RCMB			1125		15.0	7.63	5.2	52.4%	2.3	346	176	249	184	28.7	124	549	503 425	50		-	-
RCLS			922		-	-	-	-	-	-	-	216	-	-	-	-	425	- 59	- 128	- 3.65	12.
RCLS			1235	1.8	15.1	7.36	2.8	28.4%	2.7	342	141	232	151	47.2	5 U	480		39	120	-	-
RAV			925	-	-	-	-	-	-	-	-	12.5	-	-	-	-	404	- 8	- 13	2.10	- 2.0
RAV			1215		14.0	7.79	9.6	95.2%	0.8	111	8.4	13.0	8.2	15.0 U	309	382	388	0	13	2.10	-
COV			935		-	-	-	-		-	-	18.8	-	-	-	-	262	-	-	245	-
cov	11-Jul-89	ЭВ	1300	1.7	19.5	7.71	8.1	90.4%	1.0	142	5.0 U	17.8	5.4	15.0 U	5 U	182	272	66	277	2.45	-
BDLC	01Aug-89	A 6	850	_	-	-	-	-	-	-	-	38.9	-	-	-	-	478	-	-	-	-
	01-Aug-89		1013		15.0	6.59	5.3	53.2%	2.4	70	21.6	42.9	-	40.2	11	-	545	27	201	1.35	-
	01-Aug-89			-		-	-	-	-	_	-	7223	_	_	-	-	13950	-	-	-	-
	01-Aug-89		846	_	-	-	_	_	-	-	-	7588	-	_	-	-	16390	<b>_</b> '	-	-	-
	01-Aug-89		846		_	_	_	_	-	365	6941	7889	-	15.0 U	11440	-	14790	5136	5100	29.90	-
	01-Aug-89		855		_	-	_	-	-	-	-	37.6	-	_	-	-	1136	_	-	-	-
	01-Aug-89		1028		16.8	6.89	1.6	17.0%	1.1		24.4	36.9	_	1018	5 U	-	1085	0	1	0.30 U	-
	01-Aug-89		905			-	-		4.9	-	19.6	42.5		42.4	24	_	385	244	131	1.85	-
			905	-	-	-	-	-		-											

Fight 01-Aug-80      A      918      -      -      -      2.2      -      100      270      -      28.4      36      -      461      477      50        RCMB      01-Aug-80      B      1045      0.2      0.5 <th>.70 12.22 .65 13.3  .10 25  2.45 2.85  2.45 - 2.45 -   </th>	.70 12.22 .65 13.3  .10 25  2.45 2.85  2.45 - 2.45 -   
NCMB      NA      NA      NA      NA      NA      SA      S	.65 13.3 - – – .10 25 - – – .45 2.85 - – –
NCL 0      N. H. 100      N.	- – .10 25 - – .45 2.85 - –
RGL 0 1.Aug-80      R      150      6.0      15.0      6.00      6.00      6.00      6.00      160      2.0      15.0      -     -	.10 25 - – 2.45 2.85 - –
New Or-Aug-80      A      B      100      1	- – 2.45 2.85 - –
HW      O1-Aug-80      B      1207      4,3      14,4      7,15      10.1      10.2      4      112      -	.45 2.85 - –
COV    01-Aug-80    A    0.0    1.0 <th1.0< th="">    1.0    1.0    <t< td=""><td></td></t<></th1.0<>	
COV      01-Aug-8      B      1200      1.0	 2.45 -   
BDLC      2-Aug98      A      890      -      -      -      -      36.4      -	.45 – - – - –
BDLC      22-Aug-89      A      115      0.0      6.2      6.7      6.6      6.8.1%      1.1      68      -      7821      -      -      -      16170      -      -      7721      -      -      -      7721      -      -      -      16170      -      -      7721      -      -      -      7721      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      -      7721      -      98.6      13990      -      1600      -	 
WTPEFF    22-Aug-89    A    No.	 
WTPEFF    22-Aug-89    B    640    -    -    -    -    719    -    -    -    719    -    -    -    -    719    -    -    -    719    -    -    -    710    72    7400    7781    -    96.6    13990    -    1800    -    -    -    -    -    -    7781    -    96.6    13990    -    1800    - <td></td>	
WTPEFF    22-Aug-89    A    840    -    -    -    -    -    7400    773    -    98.6    13990    -    18000    -	
PS    22-Aug-89    A    635    - <t< td=""><td></td></t<>	
PS    22-Aug-80    B    1140    0.1    16.9    6.74    0.9    9.7%    1.3    1500    -    38.3    -    -    -    -    1242    -	
RCIRS    22-Aug-80    A    850    -	
RCA    22-Aug-80    A    930    -    <	
RGA    22-Aug-89    B    1145    -    17.0    6.56    4.4    46.1%    2.3    14.2    39.4    -    38.6    32    -    616    338    658      GINUP    22-Aug-89    A    950    0.1    - <th< td=""><td></td></th<>	
ICIA      DEAL      DEAL <thdeal< th="">      DEAL      DEAL      <thd< td=""><td></td></thd<></thdeal<>	
GINUP    2-Aug-89    A    950    0.1    a	
RCMB    2-Aug-89    A    1000    -    -    -    -    272    392    -    150    U    150    -    -    662    -    -    -    -    272    392    -    150    U    150    -    -    662    -	
RCLS    22-Aug-89    A    1025    -    -    -    -    -    -    418    -	- 23.8
RCLS    22-Aug-89    A    1025    -    -    -    -    418    -    -    -    -    626    -    -    626    -    -    -    418    -    -    -    -    418    -<	- 23.7
RCLS    22-Aug-89    B    1300    0.5    16.0    6.90    2.6    2.6    4.01    2.63    390    -    18.2    7    -    600    649    691      RAV    22-Aug-89    A    1015    -    -    -    -    13.3    -    -    -    -    368    -    -      RAV    22-Aug-89    B    -    7.1    5.0    0.5    9.9    10.9    10.1    -    -    -    -    368    -    -    -    -    -    369    -	
RAV    22-Aug-89    B    2.7    14.5    7.16    9.6    96.3%    0.5    99    10.9    10.1    -    15.0    U    241    -    373    24    27      COV    22-Aug-89    A    1040    -    -    -    -    -    -    -    -    -    21.8    -    -    -    280    - <t< td=""><td>- 23.5</td></t<>	- 23.5
RAV    22-Aug-89    B    2.7    14.5    7.16    9.6    96.3%    0.5    99    10.1    -    15.0    U    241    -    973    24    27      COV    22-Aug-89    A    1040    -    -    -    -    -    21.8    -    -    -    -    290    -    -    -    -    -    21.8    -    15.9    13    -    -    280    -	
COV    22-Aug-89    A    1040    -    -    -    -    -    21.8    -    -    -    -    21.8    -    -    -    -    21.8    -    15.9    13    -    -    290    -    -    -    -    12.8    -    15.9    13    -    -    280    -    -    -    15.9    13    -    -    280    -    -    -    -    -    21.8    -    15.9    13    -    -    280    -    -    -    -    -    -    21.8    20.8    -    15.9    13    -    280    -    -    15.9    13    -	- 3.58
COV    22-Aug-89    B    1330    0.4    19.3    6.92    7.1    78.5%    0.7    130    8.1    20.8    -    15.9    13    -    280    -    -      BDLC    12-Sep-89    A    930    -    -    -    -    -    -    33.6    -	
BDLC    12-Sep-89    B    1110    0.0    12.2    6.76    6.3    59.7%    1.3    67    -    35.1    -    -    -    -    465    -    -      WTPEFF    12-Sep-89    A    -    -    -    7248    -    -    -    15440    -    -      WTPEFF    12-Sep-89    B    845    -    -    -    -    7248    -    -    -    16523    900    520      WTPEFF    12-Sep-89    B    845    -    -    -    -    7123    -    -    -    16253    900    520      WTPEFF    12-Sep-89    OM    845    -    -    -    6240    7423    -    37.4    13090    -    17995    -	
BDLC    12-Sep-89    B    1110    0.0    12.2    6.76    6.3    59.7%    1.3    67    -    35.1    -    -    -    -    465    -    -      WTPEFF    12-Sep-89    A    -    -    -    7248    -    -    -    15440    -    -      WTPEFF    12-Sep-89    B    845    -    -    -    -    7248    -    -    -    16253    900    520      WTPEFF    12-Sep-89    B    845    -    -    -    -    7123    -    -    -    16253    900    520      WTPEFF    12-Sep-89    OM    845    -    -    -    6240    7423    -    37.4    13090    -    17995    -	
WTPEFF    12-Sep-89    A    -    -    -    -    -    7248    -    -    -    15440    -    -      WTPEFF    12-Sep-89    B    845    -    -    -    -    7248    -    -    -    16253    900    520      WTPEFF    12-Sep-89    B    845    -    -    -    7123    -    -    -    16253    900    520      WTPEFF    12-Sep-89    OM    845    -    -    -    7423    -    37.4    13090    -    17995    - </td <td></td>	
WTPEFF    12-Sep-89    B    845    -    -    -    7123    -    -    -    16253    900    520      WTPEFF    12-Sep-89    OM    845    -    -    -    16    6240    7423    -    37.4    13090    -    17995    -    -      PS    12-Sep-89    A    940    -    -    -    46.6    -    -    -    1219    -    -      PS    12-Sep-89    B    1130    0.1    16.9    6.92    1.3    13.9%    1.1    1384    -    43.9    -    -    -    -    1268    -    -    -    -    1268    -    -    -    -    1268    -    -    -    -    1268    -    -    -    -    -    1268    -    -    -    -    -    1268    -    -    -    -    -    1268    -    -    -    -    -    1268    -    -    -    -    1268    -	
WTPEFF 12-Sep-89 OM    845    -    -    -    16    -    6240    7423    -    37.4    13090    -    17995    -    -      PS 12-Sep-89 A    940    -    -    -    -    46.6    -    -    -    1219    -    -      PS 12-Sep-89 B    1130    0.1    16.9    6.92    1.3    13.9%    1.1    1384    -    43.9    -    -    -    -    1268    -    -	
PS 12-Sep-89 A 940 46.6 1219 PS 12-Sep-89 B 1130 0.1 16.9 6.92 1.3 13.9% 1.1 1384 - 43.9 1268	- 5.77
PS 12-Sep-89 B 1130 0.1 16.9 6.92 1.3 13.9% 1.1 1384 - 43.9 1268	
RCIPS 12-Sep-89 A 912 0.2	
	- 7.1
GINUP 12-Sep-89 A 1000 0.0	- 26
RCMB 12-Sep-89 A 1010 110 259 - 17.5 10 - 479	
RCMB 12-Sep-89 B 1155 0.3 11.9 7.12 5.1 48.3% 3.5 395 120 253 - 18.9 9 - 460 284 245	- 21.8
RCLS 12-Sep-89 A 1035 136 546	07.5
RCLS 12-Sep-89 B 1255 0.0 15.9 7.04 4.4 45.7% 1.7 384 153 138 - 15.0 U 5 U - 538 11 163	
RAV 12-Sep-89 A 1023 16.6	
RAV 12-Sep-89 B 1240 2.1 12.5 7.29 10.2 97.7% 0.5 103 9.4 15.0 - 15.0 U 245 - 361 3 39	- 4.3
COV 12-Sep-89 A 1100	
COV 12-Sep-89 B 1315 0.3 18.3 7.24 8.4 90.8% 0.8 137 9.3 25.9 - 15.3 5 U - 319	
BDLC 03-Oct-89 A 945 0.0 23.4 457	

STN	DATE	REPL	TIME	FLOW	TEMP	pН	DO	DOSAT	TURB	COND	SRP	ТР	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL	тос
BDLC	03-Oct-89	в		-	-	-	-	-	-	-	_	-	-	-	-	-	-	-	-	-	-
	03-Oct-89			-	_	_	_	-	-	-	-	7498	-	-	-	-	16130	-	-	-	-
	03-Oct-89		920	-	-	-	_	-	-	_	-	10491	_	_	-	-	16130	12	16	-	-
	03-Oct-89		920	_	_	_	-	_	14	_	7110	7549	_	58.8	15300	_	16980	-	_	31.70	28.5
	03-Oct-89			-	_	_	_	_	_	_	_	38.6	_	_	_	-	1204	_	-	-	-
	03-Oct-89		1110	0.1	16.3	6.73	0.9	9.0%	2.4	1680	_	37.1	_	_	_	_	1173	_	_	0.30 U	46.4
	03-Oct-89		930	0.2		0.70	0.0	3.0 /0	<i>2.</i> 7	1000	_	-	_		_	_	-	_	_	-	_
	03-Oct-89		1000	0.2	-	-	-	-	-	-	- 13.9	- 34.0	_	- 24.4	- 15	_	424	_	_	_	_
			1000	-		-	-	-	-	-			-		6	-		- 76	- 168	2.55	10.
	03-Oct-89		1005	-	11.2	6.86	5.6	51.6%	6.0	158	14.5	34.8	-	22.9	0	-	427	70		2.00	10.
	03-Oct-89		1005	0.0	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
	03-Oct-89		1025	-	-	-	-	-	-	-	137	189	-	16.1	5 U	-	519	-	-	-	_
	03-Oct-89		1130	0.3	7.8	7.02	6.8	58.0%	1.8	435	136	196	-	15.0 U	5 U	-	519	127	446	11.10	16.
RCLS	03-Oct-89	Α	1040	0.0	-	-	-	-	-	-	-	299	-	-	-	-	652	-	-	-	-
RCLS	03-Oct-89	в	1215	0.0	11.0	6.57	2.6	23.9%	5.8	426	-	303	-	-	-	-	600	-	-	9.90	22.
RAV	03-Oct-89	Α	1035	-	-	-	-	-	-	-	-	8.8	-	-	-	-	356	-	-	-	-
RAV	03-Oct-89	в	1155	1.3	8.4	7.12	11.2	96.8%	1.3	106	9.9	8.0	-	15.0 U	257	-	345	2	45	2.70	2.6
cov	03-Oct-89	Α	1050	-	-	-	-	-	-	-	-	29.7	-	-	-	-	337		-	-	-
cov	03-Oct-89	в	1235	0.0	13.9	6.58	6.4	63.1%	1.8	143	-	30.0	-	_	-		334	-	-	-	-
BDLC	24-Oct-89	Α	935	_		_	-	_	-	_ '	_	26.0	-	-	_	-	448	_	-	-	-
	24-Oct-89		1100	0.0	9.2	6.74	-	_	0.9	94	_	24.7	_	_	-	_	474	-	-	-	_
	24-Oct-89		1325	_	-	-	_	_	-	-	-	7366	_	_	_	_	16175	-	_	_	-
	24-Oct-89		940		_	_	_	-	_	_	-	39.2	_	_	_	_	1183	_	_	_	-
				-	10.0		-	-	-	-	-		-	-	-	_	1175	-	_	0.30 U	61
	24-Oct-89		1110	0.1	16.8	7.13	-	-	1.2	1712	-	38.4	-	-	-	-				0.30 0	01
	24-Oct-89		1415	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	24-Oct-89		945	-	-	-	-	-	-	-	8.1	29.1	-	26.7	66	-	448	-	-	-	-
	24-Oct-89		1120	-	10.2	7.04	-	-	1.6	160	6.5	24.7	-	25.6	51	-	487	36	95	2.45	11.
	24-Oct-89		1140	0.1	- 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RCMB	24-Oct-89	Α	950	-	-	-	-	-	-	-	149	194	-	15.0 U	5 U	-	609	-	-	-	20
RCMB	24-Oct-89	в	1145	1.1	8.7	7.19	-	-	1.4	393	148	197	-	15.0 U	5 U	-	585	101	38	11.75	27
RCLS	24-Oct-89	Α	1105	-	-	-	-	-	-	-		198	-	-	-	-	604	-	-	-	-
RCLS	24Oct89	в	1240	0.0	9.5	7.17	-	-	0.9	358	165	210	-	-	-	-	610	42	184	11.35	25
RAV	24-Oct-89	Α	1000	-	-	-	-	-	-	-	-	6.9	-	-	-	-	369	-	-	-	-
RAV	24-Oct-89	в	1210	1.3	9.3	7.21	_	-	0.4	109	7.6	6.3	-	15.0 U	265	-	384	16	7	2.58	5.0
	24-Oct-89		1020	_	-	_	_	_	-	-	-	35.4	_	_	_	-	379	-	-	-	-
	24-Oct-89		1440	0.0	_	7.00	_	_	1.6	_	-	35.6	_	-	-	_	384	-	_	-	-
	24 000 00	5	1440	0.0		1.00															
BDLC	25-Oct-89	А	1135	-	10.4	6.50	7.5	68.0%	-	70	_	-	-	-	_	_	-	_	-	-	-
	25-Oct-89		1445	_	_		_	_	_	_	_	8261	_	-	-	_	16706	1776	356	-	_
	25-Oct-89		1445	_	_	_	_	-	_	- 1750	- 7136	7982	_	584	13140	_	16940	_	_	29.55	26
				-	-		-	- 10 70/	-	1730	100	7302	-	-	-	_	10040	_	_		
	25-Oct-89		1145	-	16.5	6.78	1.0	10.7%	0.0	-	-		-	-	-	_	-	_	-	_	_
	25-Oct-89		1150	-		6.77	6.5		-	167	-	-	-	-	-	-	-	-	-	-	-
	25-Oct-89		1200	-		6.91	6.9	61.2%		410	-	-	<del>.</del>	-	-	-	-	-	-	-	-
	25-Oct-89		1220	-		6.88	4.3	38.5%		392	-	-	-	-	-	-	-	-	-	-	-
	25-Oct-89		1210	-	9.6	6.97	10.5	93.6%	-	114	-	-	-	-	-	-	-	-	-	-	-
cov	25-Oct-89	Α	1240	-	11.6	6.42	5.6	52.2%	-	149	-	-	-	-	-	. –	-	-	-	-	-
												<i></i>									
	14-Nov-89		920	-	-	-	-	-	-	-	-	22.3	-	-	-	-	885	-	-	-	-
BDLC	14-Nov-89	в	1223	0.5	8.6	6.36	8.5	74.3%	0.7	74	-	20.5	-	-	-	-	823	-	-	-	-
TPEEE	14-Nov-89	Α		-	-	-	-	-	-	-	-	7355	-	-	-	-	17538	-	-	-	-

STN	DATE	REPL	TIME	FLOW	TEMP	рН	DO	DOSAT	TURB	COND	SRP	TP	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL	тос
WTPEFF	14-Nov-89	в	940	-	_	_	_	-	_	-	-	6692	_	_	-	_	17883	300	876	-	-
	14-Nov-89		940	-	-	-	_	-	8.9	-	6111	7255	· _	13325	3010	-	17705	-	-	26.35	30.2
	14-Nov-89			_	-	-	-	_	_	-	_	33.4	-	-	-	-	1206	_	-	-	-
	14-Nov-89		1235	0.2	15.7	6.74	2.2	22.5%	1.3	1378	-	35.4	-	-	-	-	1238	-	-	0.30 U	44.5
	14-Nov-89		955	5.4	-	_	-	-	_	-	-	40.2	-	-	-	-	1692	-	-	-	-
	14-Nov-89		1015	2.1	-	-	-	-	-	_	-	40.4	_	-	-	-	1568	_	-	-	-
	14-Nov-89		1025	3.2	-	_	<u>_</u>	-	-	-	-	34.4	-	-	-	-	1477	-	-	-	-
	14-Nov-89		950	_	_	_	_	_	_	_	14.0	41.5	-	20.6	1019	-	1456	-	-	-	-
	14-Nov-89		1245	-	8.3	6.44	8.0	69.3%	4.9	191	13.9	30.1	-	18.0	1000	-	1555	160	142	3.10	12.1
	14-Nov-89		1040	5.0	-	_	-	-	-	-	-	30.4	-	-	-	-	1711	-	-	-	-
	14-Nov-89			-	-	-	-	-	_	-	-	-	_	· _	_	_	-	-	-	-	-
	14-Nov-89		1055	0.2	_	-	_	_	-	-	-	37.4	-	-	-	-	2263	-	-	-	-
	14-Nov-89		1110	_	_	_	_		_	-	63.7	89.4	-	15.0 U	814	-	1445	_	-	-	15.2
	14-Nov-89		1255	12.9	7.9	6.64	7.8	67.0%		202	63.2	86.6	-	15.0 U	794	-	1325	144	82	4.50	15.4
	14-Nov-89		1140	-	_	_	_	_	_	_	-	129	-	-	-	-	1325	-	_	_	_
	14-Nov-89		1350	7.5	7.7	6.63	6.0	51.3%	3.7	196	89.8	124	_	-	716	_	1345	78	121	5.48	16.5
	14-Nov-89		1120	-	-	-	-	-	-	-	-	9.0	-	-	-	-	444	-	-	-	-
	14-Nov-89		1330	4.3	8.4	7.00	11.2	97.2%	0.6	105	5.4	5.9	_	15.0 U	337	-	409	3	21	2.40	3.54
	14-Nov-89		1145	-	-		_	-	-	-	-	22.1	_	-	-	-	445	-	_	-	_
	14-Nov-89		1417	0.0		6.67	73	62.9%	1.8	142	9.5	22.6	_	37.6	194	-	441	_	-	_	-
001	14-1107-03	D	1417	0.0	0.2	0.07	7.0	02.070	1.0	176	0.0	EL.O		0110							
BDLC	12-Dec-89	Α	840	-	-	-	-	-	-	-	-	28.7	-	-	-	-	930	-	-	-	-
BDLC	12-Dec-89	в	1045	1.1	4.3	6.08	7.7	60.2%	0.7	64	-	29.3	-	-	-	-	1237	-	-	-	-
WTPEFF	12-Dec-89	Α		-	-	-	-	-	-	-	-	3613	-	-	-	-	12779	-	-	-	-
WTPEFF	12-Dec-89	в	950	-	-	-	-	-	-	-	-	3618	-	-	-	-	17609	278	7 <del>9</del> 4	-	-
WTPEFF	12-Dec-89	ОМ	950	-	-	-	-	-	8.3	-	3168	3481		9404	827	-	13007	-	-	15.85	20.8
PS	12-Dec-89	A	850	-	-	-	-	-	-	-	-	28.6	-	-	-	-	905	-	-	-	-
PS	12-Dec-89	в	1100	0.2	14.8	6.69	2.4	24.3%	0.6	1045	-	28.1	-	-	-	-	447	-	-	0.30 U	18.3
RCIPS	12-Dec-89	Α	1000	5.3	-	-	-	-	-	-	-	26.7	-	-	-	-	1706	-	-	-	-
WTPIN	12-Dec-89	Α	1010	-	-	-	-	-	-	-	-	4203	-	-	-	-	17788	-	-	16.85	-
SCUA	12-Dec-89	Α	1115	1.3	-	-	-	-	-	-	-	20.6	-	-	-	-	1000	-	-	-	-
GINDN	12-Dec-89	Α	1130	4.2	-	-	-	-	-	-	-	20.9	-	-	-	-	1164	-	-	-	-
RCA	12-Dec-89	Α	855	-	-	-	-	-	-	-	12.6	27.1	-	30.1	959	-	1378	-	-	-	-
RCA	12-Dec-89	в	1105	-	3.6	6.56	9.6	73.4%	3.7	163	11.8	25.3	-	30.6	965	-	1261	20	18	2.70	10.4
GINUP	12-Dec-89	Α	1145	6.1	-	-	-	-	-	-	-	19.1	-	-	-	-	1474	-	-	-	-
ММ	12-Dec-89	в	1255	0.3	-	-	-	-	-	-	-	18.1	-	-	-	-	686	-	-	-	-
RCMB	12-Dec-89	Α	900	-	-	-	-	-	-	-	69.0	87.8	-	35.6	861	-	1248	-	-	-	11.1
	12-Dec-89		1305	15.3	3.0	6.59	9.9	74.7%	3.1	168	67.4	86.1	-	40.6	867	-	1163	18	13	3.23	13.4
	12-Dec-89				-	-	-	-	-	-	-	77.6	-	-	-	-	1211	-	-	-	-
	12-Dec-89		1350	10.9	4.3	6.44	8.0	62.4%	3.1	167	59.6	76.6	-	-	-	-	1191	18	1	3.35	11.1
	12-Dec-89		915	_	_	_	_	-	-	-	-	5.5	-	-	-	-	620	-	<b>-</b> ·	-	-
	12-Dec-89			25.9	5.8	6.74	11.5	93.9%	0.5	130	6.4	6.3	-	15.0 U	573	-	605	5	2	2.48	2.01
	12-Dec-89		935	_	_	_	-	_	_	_	-	30.3	-	_	-	-	360	-	-	-	-
	12-Dec-89			37.3	7.4	6.81	9.7	82.3%	1.4	141	16.0	29.8	_	20.3	97	-	323	-	-	-	-
BDLC	09–Jan–90	۵	1020	8.2	76	6.07	Q P	83.1%	-	40	_	46.5	_	_	_	-	1469	_	_	_	_
	09-Jan-90		1020	-	-	-	-	-	-	-+0	_	3003	-	_	_	_	19239	_	-	_	-
	09-Jan-90 09-Jan-90		945	_	-	-	-	-	-	-	-		-	-	-	-	16859	- 27000	- 13350	_	_
	09-Jan-90 09-Jan-90		945 945	-	-	-	-	-	- 12	-	- 4410	4617 4720	-	- 16004	- 23	-	17843	27000		- 15.00	- 44.3
· · · · CFF	00-0dii-30	O.M	<b>340</b>	-	-	-	-	-	13	-	4410	4/20	-	10004	23	-	17040	-	-	10.00	

STN	DATE	REPL	TIME	FLOW	TEMP	рН	DO	DOSAT	TURB	COND	SRP	TP	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL	тос
POIDO	00 1 00		1045	30.4	_						_	68.5		_	_	-	1410	_	_	_	_
	09-Jan-90					-	-	-	-	-	-		-	-	-	-	-	_	_	_	_
	09-Jan-90		1125	-	8.2	6.76	10.2	88.0%	-	75	-	-	-	-	-	-	- 1318	-	-	-	_
	09-Jan-90			-	-	-	-	-	-	-	18.2	120	-	17.2	982			-	TNITO		- 9.24
	09-Jan-90		1435	-	-	-	-	-	38	81	13.9	109	-	15.0 U	1143	-	1523	485	TNTC	1.75	9.24
GINUP	09-Jan-90				-	-	-	-	-	-	-	64.6	-	-	-	-	1405	-	-	-	-
MM	09-Jan-90		1140	4.2	-	-	-	<u></u>	-	-	-	83.1	-	-	-	-	853	-	-	-	-
RCMB	09–Jan–90		1150	-	7.8	6.45	9.5	81.6%	-	75	23.5	30.6	-	15.0 U	798	-	1057	-	-	-	9.66
RCMB			1500	250	-	-	-	-	19	-	47.6	42.6	-	15.0 U	635	-	1126	473	875	1.40	10.7
RCLS	09–Jan–90		1250	80.5	7.5	6.53	9.8	83.2%	-	95	-	36.2	-	-	-	-	1154	-	-	-	-
RCLS	09-Jan-90	) В	1530	-	-	-	-	-	4.8	-	-	106	-	-	-	-	1117	334	624	2.15	9.53
RAV	09-Jan-90	) A	1215	41.5	8.5	6.68	10.5	91.7%	35	91	-	12.3	_ '	-	-	-	710	-	-	1.65	-
RAV	09-Jan-90	) В	1520	-	-	-	-	-	58	-	11.9	39.9	-	15.0 U	599	-	731	42	86	1.98	6.1
cov	09-Jan-90	) A	1345	-	6.7	6.77	9.7	80.6%	-	126	-	-	-	-	-	-	-	-	-	-	-
COV	09-Jan-90	) В	1630	121	-	-	-	-	1.6	-	28.0	41.9	-	48.5	251	-	504	-	-	-	-
BDLC	06-Feb-90	) A	845	1.9	4.1	6.22	9.9	76.9%	_	46	-	24.6	-	-	-	-	698	-	-	-	-
WTPEFF	06-Feb-90	A		-	-	-	-	-	-	-	-	3621	-	-		-	15183	-	-	-	-
WTPEFF	06-Feb-90	в	940	_	_	-	_	-	-	-	-	3742	_	-	-	-	14440	2500	6400	-	-
WTPEFF	06-Feb-90	ом	940	-	-	-	-	_	13	-	3382	3694	-	13187	32	-	14793	-	-	15.30	33.6
PS	06-Feb-90	A	900	0.2	15.8	6.62	1.1	11.7%		1300	-	30.2	-	-	-	-	1016	-	-	0.30 U	-
	06-Feb-90		1220	_	-	-	-	_	-	-	-	32.4	-	-	-	-	1091	-	-	-	51.8
	06-Feb-90		1437	8.9	-	-	-	_	-	-	_	22.7	-	-	-		1408	-	-	-	-
	06-Feb-90		930	6.4	-	-	-	_	_	-	-	19.0	-	_	_	-	1125	-	-	-	-
	06-Feb-90		915	6.6	_	-	-	_	-	_	-	22.8	-	-	-	_	1309	-	_	-	-
	06-Feb-90		910	_	-	-	_	-	_	_	10.9	25.3	-	15.0 U	934	-	1208	-	_	-	7.52
	06-Feb-90		1225	_	4.0	6.36	11.7	90.7%	5.7	131	9.8	23.4	-	15.4	1029	-	1275	12	0	2.10	_
	06-Feb-90		1000	14.2	_	_	_	_	_	_	-	24.1	-	_	-	-	1246	-	_	-	_
	06-Feb-90		1030	0.8	_	_	_	_	_	_	-	12.9	_	_	_	_	699	_	-	-	_
	06-Feb-90		1045	-	_	_	_	_	_	_	57.1	68.5	_	22.6	912	_	1188	_	_	-	7.54
	06-Feb-90		1245		3.7	6.83	11.4	87.6%	3.9	131	49.6	64.7	_	27.3	900	_	1189	8	0	2.50	7.92
RCLS			1100	-	0.7	0.00		07.070	0.3	101	-	74.1	_		-	_	1163	_	_	_	_
	06-Feb-90		1330	- 20.1	-	- 6.66	- 10.1	- 79.1%	- 3.7	- 128	-	71.0	-	-	_	_	1146	56	12	2.40	10.1
				20.1	4.2	0.00	10.1	79.170	3.7	120	-		-	-	-	-	565	50	12	-	-
	06-Feb-90		1055	-		-	-	-		-	-	9.5	-	-	-	-		- 3	- 2	- 1.95	3.34
	06-Feb-90		1300	36.9	6.1	6.82	11.9	97.3%	0.7	121	5.5	8.1	-	15.0 U	567	-	569 645	3	-	-	-
	06-Feb-90		1130	-	-	-	-	-	-	-	-	32.2	-	-	- 509		650	-	-	_	_
COV	06-Feb-90	) В	1350	68.3	5.1	6.96	11.4	91.2%	1.5	122	22.4	34.1	-	15.0 U	909	-	000	-	-	-	-
BDLC	06-Mar-90	A	820	0.6	8.1	6.30	10.5	90.4%	-	51	-	31.9	-	-	-	-	1032	-	-	-	-
WTPEFF	06-Mar-90	A		-	-	-	-	-	-	-	-	4376	-	-	-	-	17188	-	-	-	-
WTPEFF	06-Mar-90	B	945	-	-	-	-	-	-	-	-	4449	-	-	-	-	16240	3080	1040	-	-
WTPEFF	06-Mar-90	MO (	945	-	-	-	-	-	17	-	3934	3832	-	12580	75		16519	-	-	17.54	37.1
PDRAIN	06-Mar-90	A		0.0	-	-	-	-	-	-	-	200	-	-	-	-	2879	660	270	-	-
PS	06-Mar-90	A	825	-	-	-	-	-	-	-	-	60.5	-	-	-	-	1152	-	-	-	-
PS	06-Mar-90	В	950	0.2	16.5	6.55	1.1	11.0%	1.3	1490	-	55.2	-	-	· -	-	1109	-	-	0.30 U	65.3
RCIPS	06Mar-90	A	910	3.1	-	-	-	-	-	-	-	23.9	-	-	-	-	1144	-	-	-	-
SCUA	06–Mar–90	A	1005	0.6	-	-	-	-	-	-	-	47.3	-	-	-	-	763	-	-	-	-
GINDN	06-Mar-90	A	1010	3.1	-	-	-	-	-	-	-	26.1	-		-	-	749	-	-	-	_
RCA	06-Mar-90	A	830	-		-	-	-	-	-	10.1	34.9	-	15.0 U	602	-	842	-	-	-	-
RCA	06-Mar-90	в	1000	-	8.1	6.77	10.5	90.5%	3.4	187	9.5	31.3	-	15.0 U	612	-	841	12	3	2.10	9.6
	06-Mar-90		1025	3.2	_	_					-	21.3	-	_	-	_	942			_	

STN	DATE	REPL	TIME	FLOW	TEMP	pН	DO	DOSAT	TURB	COND	SRP	TP	TSP	NH3N	NO23N	TSN	TPN	FC	FS	CL	тос
мм	06-Mar-90	в	1035	0.1	_	-	_	_	_	_	-	24.8	-	_	_	_	_	-	_	_	-
	06-Mar-90		835	_	-	_	-	-	-	-	85.2	117	-	24.0	587	-	925	-	-	-	10
	06-Mar-90			11.4	8.1	6.75	9.7	83.9%	3.1	187	84.8	90.4	-	31.9	605	-	892	29	6	3.00	10
	06-Mar-90		840	_	_	_	_	_	_	_	_	83.9	-	-	-	-	767	-	-	-	-
	06-Mar-90		1155	8.7	8.2	6.46	8.2	70.8%	2.6	185	-	85.0	-	15.0 U	520	-	510	12	6	3.05	10.
	06-Mar-90		845	_	_	_	_	-	-	_	-	10.6	-	-	-	-	536	-	-	-	-
	06-Mar-90		1140	22.0	8.4	6.81	11.5	99.8%	0.7	109	6.3	7.7	-	15.0 U	487	-	522	0	1	2.00	2.68
cov	06-Mar-90	Α	855	-	-	-	-	-	-	-	-	22.0	-	-	-	-	-	-	-	-	-
cov	06–Mar–90	в	1220	34.1	8.0	7.31	13.3	114.2%	1.1	111	8.7	21.7	-	15.0 U	414	_	· –	-	-	-	-
BDLC	03-Apr-90	Α	840	0.4	9.2	6.29	9.9	87.3%	-	54	-	31.0	-	- ,	-	-	698	-	-	-	-
WTPEFF	03-Apr-90	Α		-	-	-	_	-	-	-	-	4881	-	-		-	16386	-	-	-	-
WTPEFF	03-Apr-90	в	950	-	-	-	_	_	-	-	-	5028	-	-	-	-	17617	20	30	-	-
WTPEFF	03-Apr-90	ом	950	-	-	-	-	-	5.3	-	4096	5253	-	13194	124	-	15387	-	-	18.45	29.
PS	03-Apr-90	Α	902	0.1	15.8	6.25	2.0	20.0%	1.1	1520	-	37.3	-	-	-	-	1167	-	-	0.30 U	-
RCIPS	03-Apr-90	Α	923	2.0	-	-	-	-	-	-	-	29.6	-	-	-	-	769	-	-	-	-
WTPIN	03-Apr-90	Α	945	-	-	-	-	-	-	-	-	7159	-	-	-	-	36216	-	-	23.75	-
GINDN	03-Apr-90	Α	1215		-	-	-	-	-	-	-	22.3	-	-	-	-	470	-	-	-	-
RCA	03-Apr-90	Α	930	-	-	-	-	-	-	-	10.0	26.2	-	30.0	400	-	684	-	-	-	-
RCA	03-Apr-90	в	1215	-	-	-	-	-	2.0	160	9.3	28.5	-	15.0 U	377	-	708	11	7	1.80	9.7
GINUP	03-Apr-90	Α	1027	0.7	-	-	-	-	-	-	-	17.1	-	-	-	-	531	-	-	-	-
мм	03-Apr-90	в	1040	0.0	-	-	-	-	-	-	-	26.3	-	-	-	-	825	-	-	-	-
RCMB	03-Apr-90	Α	1050	-	-	-	-	-	-	-	91.1	142	-	15.0 U	330	-	699	-	-	-	12.
RCMB	03-Apr-90	в	1230	5.4	10.4	6.60	9.5	86.7%	2.6	200	93.4	5.0 U	-	15.0 U	345	-	708	26	7	2.88	13.
RCLS	03-Apr-90	Α	1108	-	-	-	-	-	-	-	-	91.6	` <b>-</b>	-	-	-	552	-	-	-	-
RCLS	03-Apr-90	в	1315	4.8	10.8	6.68	8.4	76.9%	1.4	200	49.5	78.3	-	15.0 U	122	-	457	4	2	2.65	10.
RAV	03-Apr-90	Α	1130	-	-	-	-	-	-	-	-	5.9	-	-	-	-	489	-	-	-	-
RAV	03-Apr-90	в	1256	20.3	8.8	6.59	11.0	96.5%	0.5	105	7.2	5.4	-	15.0 U	442	-	485	0	0	1.73	3.5
cov	03-Apr-90	Α	1147	-	-	-	-	-	-	-	-	19.1	-	-	-	-	478	-	-	-	-
cov	03–Apr–90	в	1345	24.8	12.8	7.24	12.3	118.2%	1.5	123	5.0 U	23.3	-	15.0 U	288	-	464	-	-	-	-

# APPENDIX B

Lake Sawyer Phytoplankton This page is purposely left blank for duplex printing.

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GROUP	Species	Authority
D	Achnanthes exigua	Grun.
D	Achnanthes lanceolata	(Breb.) Grun.
D	Achnanthes linearis	(W.Sm.) Grun.
D	Achnanthes minutissima	Kutz.
B	Anabaena flos-aquae	(Lyngb.) DeBreb.
B	Anabaena planctonica	Brunn.
В	Anabaena sp.	Bory
В	Anacystis marina	(Hansg.) Dr.&Daily
В	Anacystis sp.	Menegh.
G	Ankistrodesmus falcatus	(Corda) Ralfs
В	Aphanizomenon flos-aquae	(Linn.) Ralfs.
D	Asterionella formosa	Hass.
G	Botryococcus braunii	Kuetzing
F	Ceratium hirundinella	(O.F. Muell.)Dujard.
G	Characium sp.	A. Braun
G	Chlamydomonas sp.	Ehr.
K	Chromulina sp.	Cienkowski
В	Chroococcus minimus	(Keissl.) Lemm.
K	Chrysochromulina sp.	Lackey
K	Chrysococcus rufescens	Klebs.
G	Closteriopsis longissima	Lemm.
D	Cocconeis placentula	Ehr.
G	Cosmarium sp.	Corda
G	Crucigenia quadrata	Morren
Y	Cryptomonas erosa	Ehr.
Y	Cryptomonas ovata	Ehr.
Y	Cryptomonas sp.	
D	Cyclotella atomus	Hust.
D	Cyclotella comta	(Ehr.) Kutz.
D	Cyclotella meneghiniana	Kutz.
D	Cyclotella stelligera	Cl. u. Grun.
D	Cymbella microcephala	Grun.
D	Cymbella minuta	Hilse ex Rabh.
D	Cymbella sinuata	Greg.
D	Diatoma tenue elongatum	Lyngb.
K	Dinobryon bavaricum	Imhoff
K	Dinobryon sertularia	Ehr.
G	Elakatothrix gelatinosa	Wille
D	Fragilaria construens	(Ehr.) Grun.
D	Fragilaria construens venter	(Ehr.) Grun.
D	Fragilaria crotonensis	Kitton
D	Fragilaria pinnata	Ehr.
D	Fragilaria vaucheriae	(Kutz.) Peters.
F	Glenodinium sp.	(Ehr.) Stein
D	Gomphonema angustatum	(Kutz.) Rabh.
D	Gomphonema sp.	Ehr.
F	Gymnodinium sp.	(Stein) Kof. & Swezy
K	Kephyrion-like	
K	Mallomonas sp.	Perty
D	Melosira ambigua	(Grun.) O. Mull.
D	Melosira distans	(Ehr.) Kutz.
D	Melosira granulata	(Ehr.) Ralfs.

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Lake Sawyer Phytoplankton Species List (1989-1990).

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GROUP	Species	Authority
D	Melosira italica	(Ehr.) Kutz.
D	Melosira varians	C. A. Agardh.
B	Microcystis aeruginosa	Kuetzing
D	Navicula cryptocephala	Kutz.
D	Navicula gregaria	Donk.
D	Navicula minima	Grun.
D	Navicula pupula	Kutz.
D	Navicula radiosa	Kutz.
D	Navicula sp.	Bory
D	Navicula tripunctata	(O.Mull.) Bory
D	Nitzschia acicularis	W. Sm.
D	Nitzschia amphibia	Grun.
D	Nitzschia frustulum	(Kutz.) Grun.
D	Nitzschia palea	(Kutz.) W. Sm.
D	Nitzschia sp.	Hassall
ĸ	Ochromonas sp.	Wystozki
G	Oocystis lacustris	Chodat
G	Oocystis pusilla	Hansg.
G	Pediastrum duplex	Meyen.
F	Peridinium cinctum	(Muell.) Ehr.
r G	Quadrigula closterioides	(Bohlin) Printz
D	Rhizosolenia eriensis	H.L. Smith
Y Y	Rhodomonas minuta	
D		Skuja (Kuta )Grup og Dabb
G	Rhoicosphenia curvata	(Kutz.)Grun. ex Rabh.
	Selenastrum minutum	(Naeg.) Collins
G	Sphaerocystis schroeteri	Chodat.
D	Stephanodiscus astraea	(Ehr.) Grun.
D	Stephanodiscus astraea minutula	(Kutz.) Grun.
D	Stephanodiscus hantzschii	Grun.
D	Synedra radians	Kutz.
D	Synedra rumpens	Kutz.
D	Synedra ulna	(Nitz.) Ehr.
D	Tabellaria fenestrata	(Lyngb.) Kutz.
E	Trachelomonas hispida	(Perty) Stein
E	Trachelomonas sp.	Kutz.
Е	Trachelomonas volvocina	Ehr.
K	Unident. chrysophyte	
Divis	ion Codes:	
	B = Bluegreen algae	
	D = Diatoms	
	E = Euglenophytes	
	F = Dinoflagellates	
	G = Green algae	
	K = Chrysophytes	
	Y = Cryptophytes	

Lake Sawyer Phytoplankton Species List (1989-1990).

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SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-02-27

TOTAL DENSITY (#/ml): 1724

TOTAL BIOVOLUME (cu.uM/ml): 851833

TROPHIC STATE INDEX: 48.7

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	822	47.7	16448	1.9
2	Achnanthes minutissima	199	11.5	9949	1.2
<u>`</u> 3	Chrysococcus rufescens	159	9.2	13530	1.6
4	Stephanodiscus hantzschii	106	6.2	12734	1.5
5	Cryptomonas erosa	80	4.6	41386	4.9
6	Stephanodiscus astraea	53	3.1	426699	50.1
7	Aphanizomenon flos-aquae	53	3.1	31835	3.7
8	Melosira ambigua	53	3.1	85942	10.1
9	Nitzschia frustulum	27	1.5	3184	0.4
10	Melosira italica	27	1.5	149944	17.6
11	Melosira granulata	27	1.5	29182	3.4
12	Navicula gregaria	27	1.5	4643	0.5
13	Synedra radians	13	0.8	4775	0.6
14	Dinobryon sertularia	13	0.8	3184	0.4
15	Achnanthes linearis	13	0.8	1751	0.2
16	Navicula sp.	13	0.8	1990	0.2
17	Fragilaria pinnata	13	0.8	796	0.1
18	Diatoma tenue elongatum	13	0.8	9551	1.1
19	Navicula radiosa	13	0.8	4311	0.5

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-02-27

# TOTAL DENSITY (#/ml): 1478

TOTAL BIOVOLUME (cu.uM/ml): 592541

TROPHIC STATE INDEX: 46.1

	SPECIES	DENSITY	PCT	BIOVOL	PCT
 1 2 3 4 5 6 7 8	Rhodomonas minuta Chrysococcus rufescens Cryptomonas erosa Stephanodiscus hantzschii Melosira italica Asterionella formosa Achnanthes minutissima Cyclotella comta	952 138 100 75 75 25 25 25	64.4 9.3 6.8 5.1 5.1 1.7 1.7 1.7	19042 11713 52116 9020 271191 44098 1253 56876	3.2 2.0 8.8 1.5 45.8 7.4 0.2 9.6
9 10 11 12 13	Melosira ambigua Fragilaria construens venter Fragilaria vaucheria Aphanizomenon flos-aquae Stephanodiscus astraea	13 13 13 13 13	0.8 0.8 0.8 0.8 0.8	14758 601 3608 7517 100748	2.5 0.1 0.6 1.3 17.0

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-03-20

# TOTAL DENSITY (#/ml): 2819

# TOTAL BIOVOLUME (cu.uM/ml): 1787398

	SPECIES	DENSITY	PCT	BIOVOL	PCT
 1 2 3 4 5 6 7 8 9	Rhodomonas minuta Stephanodiscus astraea minutula Stephanodiscus hantzschii Cryptomonas erosa Ochromonas sp. Melosira granulata Stephanodiscus astraea Asterionella formosa Melosira ambigua	846 677 282 169 141 113 85 85 85 56	$\begin{array}{c} 30.0\\ 24.0\\ 10.0\\ 6.0\\ 5.0\\ 4.0\\ 3.0\\ 3.0\\ 2.0 \end{array}$	16913 246246 33825 87945 11980 310063 680052 130226 99615	0.9 13.8 1.9 4.9 0.7 17.3 38.0 7.3 5.6
10 11 12 13 14 15 16 17 18 19	Chromulina sp. Cyclotella comta Chrysococcus rufescens Chlamydomonas sp. Kephyrion-like Navicula gregaria Mallomonas sp. Dinobryon sertularia Achnanthes minutissima Gomphonema angustatum	56 56 28 28 28 28 28 28 28 28 28 28	2.0 2.0 1.0 1.0 1.0 1.0	1128 127971 4792 9161 1973 4933 10711 3383 1409 5074	7.2 0.3 0.5 0.1 0.3 0.6 0.2

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-03-20

# TOTAL DENSITY (#/ml): 3508

# TOTAL BIOVOLUME (cu.uM/ml): 2370456

### DIVERSITY INDEX: 2.81

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	1470	41.9		
2	Stephanodiscus astraea minutula	802	22.9	280622	
3	Cryptomonas erosa	267	7.6	138975	5.9
4	Stephanodiscus hantzschii	167	4.8	20044	0.8
5	Ochromonas sp.	167	4.8	14198	0.6
6	Stephanodiscus astraea	134	3.8	1074649	
7	Melosira granulata	67	1.9	220489	9.3
8	Cyclotella comta	67	1.9	151670	6.4
9	Aphanizomenon flos-aquae	33	1.0	20044	0.8
10	Mallomonas sp.	33	1.0	12695	0.5
11	Melosira italica	33	1.0	251758	10.6
12	Unident. chrysophyte	33	1.0	3341	0.1
13	Chrysococcus rufescens	33	1.0	2840	0.1
14	Melosira ambigua	33	1.0	98385	4.2
15	Ankistrodesmus falcatus	33	1.0	835	0.0
16	Dinobryon sertularia	33	1.0	4009	0.2
17	Asterionella formosa	33	1.0	29399	1.2
18	Cyclotella meneghiniana	33			
19	Achnanthes linearis	33	1.0	4410	0.2

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SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-04-10

# TOTAL DENSITY (#/ml): 1155

# TOTAL BIOVOLUME (cu.uM/ml): 1347311

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	313	27.1	6254	0.5
2	Cryptomonas erosa	120	10.4	62539	4.6
3	Melosira italica	120	10.4	566456	42.0
4	Stephanodiscus astraea minutula	84	7.3	29465	2.2
5	Cyclotella comta	72	6.3	163803	12.2
6	Asterionella formosa	72	6.3	31750	2.4
7	Ankistrodesmus falcatus	60	5.2	1804	0.1
8	Ochromonas sp.	48	4.2	4089	0.3
9	Stephanodiscus astraea	48	4.2	386874	28.7
10	Dinobryon sertularia	36	3.1	4330	0.3
11	Achnanthes minutissima	24	2.1	1203	0.1
12	Melosira distans	12	1.0	19050	1.4
13	Sphaerocystis schroeteri	12	1.0	3367	0.2
14	Melosira granulata	12	1.0	19844	1.5
15	Chromulina sp.	12	1.0	241	0.0
16	Synedra radians	12	1.0	4330	
17	Cymbella microcephala	12	1.0	637	0.0
18	Nitzschia sp.	12	1.0	1443	0.1
19	Rhizosolenia eriensis	12	1.0	1143	0.1
20	Aphanizomenon flos-aquae	12	1.0	7216	0.5
21	Melosira ambigua	12		21251	1.6
22	Cyclotella meneghiniana	12	1.0	4570	0.3
23	Cymbella minuta	12	1.0	4450	0.3
24	Unident. chrysophyte	12	1.0	1203	0.1

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-04-10

# TOTAL DENSITY (#/ml): 1283

# TOTAL BIOVOLUME (cu.uM/ml): 1648018

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	381	29.7	7623	0.5
2	Melosira italica	165	12.9	752988	45.7
3	Cryptomonas erosa	102	7.9	52850	3.2
4	Dinobryon sertularia	76	5.9	10702	0.6
5	Stephanodiscus astraea minutula	76	5.9	35483	2.2
6	Ankistrodesmus falcatus	76	5.9	1906	0.1
7	Cyclotella comta	64	5.0	144193	8.7
8 9	Stephanodiscus astraea	64	5.0	510837	
9	Asterionella formosa	51	4.0	39129	2.4
10	Synedra rumpens	25	2.0	3557	
11	Aphanizomenon flos-aquae	25	2.0	22868	
12	Achnanthes minutissima	25	2.0	1270	0.1
13	Melosira varians	13	1.0	8258	0.5
14	Closteriopsis longissima	13	1.0	4523	0.3
15	Sphaerocystis schroeteri	13	1.0	1779	0.1
16	Nitzschia palea	13		4574	
17	Stephanodiscus hantzschii	13		1525	0.1
18	Synedra ulna	13		25281	1.5
19	Navicula cryptocephala	13	1.0	2350	0.1
20	Unident. chrysophyte	13		1270	0.1
21	Nitzschia acicularis	13		3557	0.2
22	Gomphonema angustatum	13		2287	0.1
23	Cryptomonas sp.	13		5082	0.3
24	Chlamydomonas-like	13	1.0	4129	0.3

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-05-01

# TOTAL DENSITY (#/ml): 1480

# TOTAL BIOVOLUME (cu.uM/ml): 1315525

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	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	437	29.5	8738	0.7
2	Dinobryon sertularia	352	23.8	59194	4.5
3	Cryptomonas erosa	211	14.3	109931	8.4
4	Cyclotella comta	169	11.4	383914	29.2
5	Ankistrodesmus falcatus	169	11.4	4228	0.3
6	Aphanizomenon flos-aquae	28	1.9	16913	1.3
7	Synedra ulna	14	1.0	28047	2.1
8	Anabaena flos-aquae	14	1.0	28188	2.1
9	Fragilaria crotonensis	14	1.0	426195	32.4
10	Ochromonas sp.	14	1.0	1198	0.1
11	Tabellaria fenestrata	14	1.0	135300	10.3
12	Melosira italica	14	1.0	106211	8.1
13	Stephanodiscus astraea minutula	14	1.0	4933	0.4
14	Achnanthes lanceolata	14	1.0	2537	0.2

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-05-01

# TOTAL DENSITY (#/ml): 1938

# TOTAL BIOVOLUME (cu.uM/ml): 721980

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	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	787	40.6	15737	2.2
2	Dinobryon sertularia	403	20.8	59970	8.3
3	Cryptomonas erosa	326	16.8	169653	23.5
4	Ankistrodesmus falcatus	134	6.9	3359	0.5
5	Cyclotella comta	115	5.9	261388	36.2
6	Sphaerocystis schroeteri	38	2.0	13434	1.9
7	Fragilaria crotonensis	19	1.0	112846	15.6
8	Synedra rumpens	19	1.0	10747	1.5
9	Aphanizomenon flos-aquae	19	1.0	11515	1.6
10	Cryptomonas sp.	19	1.0	7677	1.1
11	Synedra radians	19	1.0	6909	1.0
12	Trachelomonas hispida	19	1.0	40302	5.6
13	Asterionella formosa	19	1.0	8444	1.2

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-05-22

TOTAL DENSITY (#/ml): 1837

TOTAL BIOVOLUME (cu.uM/ml): 5769999

TROPHIC STATE INDEX: 62.5

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Cyclotella comta	984	53.6	2233680	38.7
2	Rhodomonas minuta	394	21.4	7872	0.1
3	Fragilaria crotonensis	295	16.1	3402121	59.0
4	Asterionella formosa	49	2.7	57692	1.0
5	Anabaena flos-aquae	33	1.8	32800	0.6
6	Cryptomonas erosa	33	1.8	17056	0.3
7	Dinobryon sertularia	16	0.9	5904	0.1
8	Cocconeis placentula	16	0.9	7544	0.1
9	Chlamydomonas sp.	16	0.9	5330	0.1

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-05-22

TOTAL DENSITY (#/ml): 2021

TOTAL BIOVOLUME (cu.uM/ml): 5587639

TROPHIC STATE INDEX: 62.3

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Cyclotella comta	1269	62.8	2881723	51.6
2	Fragilaria crotonensis	284	14.0	2540333	45.5
3	Cryptomonas erosa	200	9.9	104231	1.9
4	Rhodomonas minuta	167	8.3	3341	0.1
5	Oocystis lacustris	33	1.7	30868	0.6
6	Asterionella formosa	33	1.7	22049	0.4
7	Ankistrodesmus falcatus	17	0.8	418	0.0
8	Sphaerocystis schroeteri	17	0.8	4677	0.1

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-06-12

TOTAL DENSITY (#/ml): 1663

TOTAL BIOVOLUME (cu.uM/ml): 2365073

TROPHIC STATE INDEX: 56.1

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Cyclotella comta	930	55.9	2111526	89.3
2	Rhodomonas minuta	507	30.5	10148	0.4
3	Anabaena flos-aquae	56	3.4	56375	2.4
4	Cryptomonas erosa	42	2.5	21986	0.9
5	Ankistrodesmus falcatus	28	1.7	705	0.0
6	Sphaerocystis schroeteri	28	1.7	7893	0.3
7	Aphanizomenon flos-aquae	28	1.7	16913	0.7
8	Navicula minima	14	0.8	620	0.0
9	Fragilaria crotonensis	14	0.8	130226	5.5
10	Oocystis lacustris	14	0.8	8682	0.4

SAMPLE: Lake Sawyer, Sta 4

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SAMPLE DATE: 89-06-12

# TOTAL DENSITY (#/ml): 1862

TOTAL BIOVOLUME (cu.uM/ml): 2263569

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TROPHIC STATE INDEX: 55.7

	SPECIES	DENSITY	PCT	BIOVOL	PCT
l	Cyclotella comta	902	48.4	2047540	90.5
2	Rhodomonas minuta	582	31.3	11639	0.5
3	Aphanizomenon flos-aquae	116	6.3	69832	3.1
4	Cryptomonas erosa	116	6.3	60521	2.7
5	Ankistrodesmus falcatus	44	2.3	1091	0.0
6	Asterionella formosa	29	1.6	19204	0.8
7	Sphaerocystis schroeteri	15	0.8	8147	0.4
8	Chroococcus minimus	15	0.8	204	0.0
9	Anabaena sp.	15	0.8	29097	1.3
10	Anabaena flos-aquae	15	0.8	14548	0.6
11	Nitzschia sp.	15	0.8	1746	0.1

SAMPLE: Lake Saywer, Sta 3

SAMPLE DATE: 89-07-10

TOTAL DENSITY (#/ml): 1135

TOTAL BIOVOLUME (cu.uM/ml): 1172299

TROPHIC STATE INDEX: 51

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Cyclotella comta	398	35.0	902679	77.0
2	Rhodomonas minuta	204	17.9	4074	0.3
3	Cryptomonas erosa	155	13.7	80695	6.9
4	Ankistrodesmus falcatus	58	5.1	1455	0.1
5	Aphanizomenon flos-aquae	58	5.1	52374	4.5
6	Chroococcus minimus	48	4.3	2716	0.2
7	Anacystis marina	48	4.3	14548	1.2
8	Chrysochromulina sp.	39	3.4	776	0.1
9	Sphaerocystis schroeteri	29	2.6	8147	0.7
10	Asterionella formosa	19	1.7	17070	1.5
11	Pseudopedinella sp.	10	0.9	1455	0.1
12	Chlamydomonas sp.	10	0.9	3152	0.3
13	Oocystis pusilla	10	0.9	2095	0.2
14	Quadrigula closterioides	10	0.9	1862	0.2
15	Dinobryon sertularia	10	0.9	1164	0.1
16	Unidentified flagellate	10	0.9	194	0.0
17	Anabaena planctonica	10	0.9	48747	4.2
18	Anabaena flos-aquae	10	0.9	29097	2.5

SAMPLE: Lake Saywer, Sta 4

SAMPLE DATE: 89-07-10

TOTAL DENSITY (#/ml): 1049

TOTAL BIOVOLUME (cu.uM/ml): 991077

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TROPHIC STATE INDEX: 49.8

DIVERSITY INDEX: 2.90

	SPECIES	DENSITY	PCT	BIOVOL	PCT
	Cyclotella comta	350	33.3	793944	80.1
2	Rhodomonas minuta	276	26.3	5522	0.6
3	Ankistrodesmus falcatus	92	8.8	2301	0.2
4	Aphanizomenon flos-aquae	74	7.0	55224	5.6
5	Cryptomonas erosa	74	7.0	38289	3.9
6	Anacystis marina	37	3.5	11045	1.1
7	Chroococcus minimus	37	3.5	2577	0.3
8	Chlamydomonas sp.	18	1.8	5983	0.6
9	Sphaerocystis schroeteri	18	1.8	5154	0.5
10	Cosmarium sp.	9	0.9	1933	0.2
11	Gymnodinium sp.	9	0.9	24851	2.5
12	Cryptomonas ovata	9	0.9	15895	1.6
13	Ochromonas sp.	9	0.9	782	0.1
14	Chrysochromulina sp.	9	0.9	184	0.0
15	Asterionella formosa	9	0.9	16199	1.6
16	Oocystis pusilla	9	0.9	1988	0.2
17	Anabaena flos-aquae	9	0.9	9204	0.9

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SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-07-31

TOTAL DENSITY (#/ml): 1273

TOTAL BIOVOLUME (cu.uM/ml): 1079295

TROPHIC STATE INDEX: 50.4

	SPECIES	DENSITY	PCT	BIOVOL	PCT
	Cyclotella comta	281	22.0	637012	59.0
2	Ochromonas sp.	271	21.3	23001	2.1
3	Anacystis marina	231	18.1	69153	6.4
4	Rhodomonas minuta	130	10.2	2606	0.2
5	Chroococcus minimus	130	10.2	7862	0.7
6	Ankistrodesmus falcatus	60	4.7	1759	0.2
7	Chrysochromulina sp.	40	3.1	802	0.1
8	Cryptomonas erosa	30	2.4	15635	1.4
9	Anabaena planctonica	20	1.6	201487	18.7
10	Oocystis pusilla	10	0.8	1082	0.1
11	Dinobryon sertularia	10	0.8	1203	0.1
12	Chlamydomonas sp.	10	0.8	3257	0.3
13	Nitzschia sp.	10	0.8	1203	0.1
14	Asterionella formosa	10	0.8	2205	0.2
15	Achnanthes lanceolata	10	0.8	1804	0.2
16	Ceratium hirundinella	10	0.8	98000	9.1
17	Navicula tripunctata	10	0.8	11225	1.0

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-07-31

TOTAL DENSITY (#/ml): 946

TOTAL BIOVOLUME (cu.uM/ml): 659054

**TROPHIC STATE INDEX: 46.8** 

	SPECIES	DENSITY	PCT	BIOVOL	PCT
 1 2 3 4	Rhodomonas minuta Cyclotella comta Ankistrodesmus falcatus Anacystis marina	177 141 115 88	18.7 15.0 12.1 9.3	321183 2874	0.5 48.7 0.4 4.0
5 6 7	Chrysochromulina sp. Cryptomonas erosa Quadrigula closterioides	80 71 62	8.4 7.5	1592 36787	0.2 5.6
8 9	Ochromonas sp. Aphanizomenon flos-aquae	53 27	5.6 2.8	4510 15918	0.7 2.4
10 11 12	Chroococcus minimus Oocystis pusilla Chromulina sp.	27 18 18	1.9 1.9	5730 354	0.1
13 14 15	Dinobryon sertularia Anabaena planctonica Tabellaria fenestrata	18 9 9	1.9 0.9 0.9	4245 44446 148565	0.6 6.7 22.5
16 17 18 19	Anabaena flos-aquae Melosira varians Synedra rumpens Chlamydomonas sp.	9 9 9 9	0.9 0.9 1.0 0.9	26529 5748 1260 2874	4.0 0.9 0.2 0.4

SAMPLE: Lake Saywer, Sta 3

SAMPLE DATE: 89-08-21

### TOTAL DENSITY (#/ml): 1582

# TOTAL BIOVOLUME (cu.uM/ml): 748451

TROPHIC STATE INDEX: 47.8

	SPECIES	DENSITY	PCT	BIOVOL	PCT
	Ochromonas sp.	641	40.5	54447	7.3
Ť		288	18.2	5752	0.8
2	Rhodomonas minuta				
3	Cyclotella comta	209	13.2	474792	63.4
4	Anacystis marina	170	10.7	50983	6.8
5	Chrysochromulina sp.	65	4.1	1307	0.2
6	Cryptomonas erosa	52	3.3	27191	3.6
7	Ankistrodesmus falcatus	26	1.7	654	0.1
8	Chroococcus minimus	26	1.7	1464	0.2
9	Chlamydomonas sp.	13	0.8	4249	0.6
10	Chromulina sp.	13	0.8	261	0.0
11	Fragilaria crotonensis	13	0.8	87847	11.7
12	Aphanizomenon flos-aquae	13	0.8	7843	1.0
13	Sphaerocystis schroeteri	13	0.8	5490	0.7
14	Asterionella formosa	13	0.8	23008	3.1
15	Quadrigula closterioides	13	0.8	2510	0.3
16	Achnanthes minutissima	13	0.8	654	0.1

SAMPLE: Lake Saywer, Sta 4

SAMPLE DATE: 89-08-21

# TOTAL DENSITY (#/ml): 1068

# TOTAL BIOVOLUME (cu.uM/ml): 1643247

**TROPHIC STATE INDEX: 53.4** 

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Anacystis marina	290	27.2	87090	5.3
2	Cyclotella comta	187	17.5	423629	25.8
3	Ochromonas sp.	124	11.7		0.6
4	Rhodomonas minuta	93	8.7	1866	0.1
5	Chrysochromulina sp.	52	4.9	1037	0.1
6	Ankistrodesmus falcatus	41	3.9	1296	0.1
7	Anabaena planctonica	41	3.9	729521	44.4
8	Mallomonas sp.	41	3.9	15759	1.0
9	Cryptomonas erosa	31	2.9	16174	1.0
10	Anabaena sp.	31	2.9	31103	1.9
11	Sphaerocystis schroeteri	21	1.9	2903	0.2
12	Tabellaria fenestrata	21	1.9	199062	12.1
13	Achnanthes minutissima	10	1.0	518	0.0
14	Oocystis pusilla	10	1.0	1120	0.1
15	Microcystis aeruginosa	10	1.0	1037	0.1
16	Aphanizomenon flos-aquae	10	1.0	6221	0.4
17	Fragilaria construens venter	10	1.0	1991	0.1
18	Fragilaria crotonensis	10	1.0	69672	4.2
19	Anabaena flos-aquae	10	1.0	41471	2.5
20	Unidentified flagellate	10	1.0	207	0.0
21	Quadrigula closterioides	10	1.0	995	0.1

SAMPLE: Lake Saywer, Sta 3

SAMPLE DATE: 89-09-11

### TOTAL DENSITY (#/ml): 445

# TOTAL BIOVOLUME (cu.uM/ml): 354355

TROPHIC STATE INDEX: 42.4

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Cyclotella comta	75	17.0	171380	48.4
2	Rhodomonas minuta	48	10.7	954	0.3
3	Chrysochromulina sp.	44	9.8	874	0.2
4	Ochromonas sp.	36	8.0	3040	0.9
5	Aphanizomenon flos-aquae	36	8.0	21457	6.1
6	Ankistrodesmus falcatus	32	7.1	795	0.2
7	Pseudopedinella sp.	28	6.2	4172	1.2
8	Navicula minima	24	5.4	1049	0.3
9	Anabaena planctonica	20	4.5	119827	33.8
10	Anacystis marina	16	3.6	4768	1.3
11	Dinobryon sertularia	16	3.6	6199	1.7
12	Cryptomonas erosa	12	2.7	6199	1.7
13	Mallomonas sp.	12	2.7	4530	1.3
14	Unidentified flagellate	12	2.7	238	0.1
15	Chromulina sp.	8	1.8	159	0.0
16	Nitzschia amphibia	8	1.8	763	0.2
17	Oocystis pusilla	4	0.9	858	0.2
18	Selenastrum minutum	4	0.9	238	0.1
19	Cryptomonas sp.	4	0.9	1589	0.4
20	Chlamydomonas sp.	4	0.9	1291	0.4
21	Anabaena flos-aquae	4	0.9	3974	1.1

SAMPLE: Lake Saywer, Sta 4

SAMPLE DATE: 89-09-11

# TOTAL DENSITY (#/ml): 335

# TOTAL BIOVOLUME (cu.uM/ml): 343961

TROPHIC STATE INDEX: 42.2

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Cyclotella comta	54	16.0	122134	35.5
2	Rhodomonas minuta	28	8.5	570	0.2
3	Ankistrodesmus falcatus	28	8.5	790	0.2
4	Anabaena planctonica	22	6.6	143639	41.8
5	Anacystis marina	22	6.6	6646	1.9
6	Unidentified flagellate	19	5.7	380	0.1
7	Aphanizomenon flos-aquae	19	5.7	13331	3.9
8	Ochromonas sp.	16	4.7	3497	1.0
9	Chrysochromulina sp.	16	4.7	316	0.1
10	Anabaena flos-aquae	16	4.7	25319	
11	Dinobryon sertularia	16	4.7	6456	1.9
12	Chlamydomonas sp.	13		4114	1.2
13	Pseudopedinella sp.	13	3.8	1899	0.6
14	Achnanthes minutissima	9	2.8	475	0.1
15	Cocconeis placentula	6	1.9	2912	0.8
16	Mallomonas sp.	6	1.9	2405	0.7
17	Cryptomonas erosa	6	1.9	3292	1.0
18	Synedra radians	3	0.9	1139	0.3
19	Nitzschia sp.	3	0.9	380	0.1
20	Asterionella formosa	3	0.9	2785	0.8
21	Nitzschia amphibia	3	0.9	304	0.1
22	Chromulina sp.	3	0.9	63	0.0
23	Dinobryon bavaricum	3	0.9	760	0.2
24	Chroococcus minimus	3	0.9	89	0.0
25	Elakatothrix gelatinosa	3	0.9	266	0.1

SAMPLE: Lake Saywer, Sta 3

SAMPLE DATE: 89-10-02

### TOTAL DENSITY (#/ml): 759

# TOTAL BIOVOLUME (cu.uM/ml): 248294

TROPHIC STATE INDEX: 39.8

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	261	34.4	5225	2.1
2	Ankistrodesmus falcatus	87	11.5	2177	0.9
3	Aphanizomenon flos-aquae	81	10.7	63563	25.6
4	Asterionella formosa	81	10.7	105324	42.4
5	Ochromonas sp.	68	9.0	5816	2.3
6	Unidentified flagellate	50	6.6	995	0.4
7	Navicula minima	25	3.3	1095	0.4
8	Cryptomonas erosa	25	3.3	12939	5.2
9	Mallomonas sp.	25	3.3	9455	3.8
10	Cryptomonas sp.	19	2.5	7465	3.0
11	Pseudopedinella sp.	6	0.8	933	0.4
12	Glenodinium sp.	6	0.8	18973	7.6
13	Dinobryon sertularia	6	0.8	746	0.3
14	Elakatothrix gelatinosa	6	0.8	523	0.2
15	Unident. chrysophyte	6	0.8	622	0.3
16	Anabaena flos-aquae	6	0.8	12441	5.0

SAMPLE: Lake Saywer, Sta 4

SAMPLE DATE: 89-10-02

# TOTAL DENSITY (#/ml): 714

# TOTAL BIOVOLUME (cu.uM/ml): 401356

TROPHIC STATE INDEX: 43.3

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	377	52.8	7536	1.9
2	Ankistrodesmus falcatus	63	8.8	1570	0.4
3	Ochromonas sp.	57	8.0	4853	1.2
4	Asterionella formosa	29	4.0	35167	8.8
5	Chrysochromulina sp.	23	3.2	457	0.1
6	Cryptomonas erosa	23	3.2	11874	3.0
7	Mallomonas sp.	23	3.2	8677	2.2
8	Aphanizomenon flos-aquae	17	2.4	13667	3.4
9	Unidentified flagellate	11	1.6	228	0.1
10	Fragilaria crotonensis	11	1.6	292522	72.9
11	Achnanthes lanceolata	11	1.6	2055	0.5
12	Chromulina sp.	6	0.8	114	0.0
13	Dinobryon sertularia	6	0.8	2055	0.5
14	Gomphonema sp.	6	0.8	1142	0.3
15	Unident. chrysophyte	6	0.8	571	0.1
16	Navicula minima	6	0.8	251	0.1
17	Pseudopedinella sp.	6	0.8	856	0.2
18	Cyclotella comta	6	0.8	12959	3.2
19	Chlamydomonas sp.	6	0.8	1855	0.5
20	Pediastrum duplex	6	0.8	1165	0.3
21	Rhoicosphenia curvata	6	0.8	668	0.2
22	Cyclotella stelligera	6	0.8	314	0.1
23	Sphaerocystis schroeteri	6	0.8	799	0.2

SAMPLE: Lake Saywer, Sta 3

SAMPLE DATE: 89-10-23

TOTAL DENSITY (#/ml): 805

# TOTAL BIOVOLUME (cu.uM/ml): 589886

TROPHIC STATE INDEX: 46

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	438	54.4	8762	1.5
2	Cryptomonas erosa	90	11.2	46904	8.0
3	Mallomonas sp.	64	8.0	24483	4.2
4	Ankistrodesmus falcatus	58	7.2	1450	0.2
5	Melosira granulata	26	3.2	77959	13.2
6	Aphanizomenon flos-aquae	19	2.4	11597	2.0
7	Fragilaria crotonensis	19	2.4	346314	58.7
8	Stephanodiscus astraea minutula	13	1.6	4510	0.8
9	Chrysochromulina sp.	13	1.6	258	0.0
10	Chlamydomonas sp.	13	1.6	4188	0.7
11	Asterionella formosa	13	1.6	22679	3.8
12	Dinobryon sertularia	13	1.6	2319	0.4
13	Melosira ambigua	6	0.8	18974	3.2
14	Trachelomonas volvocina	6	0.8	12145	2.1
15	Synedra rumpens	6	0.8	902	0.2
16	Anabaena flos-aquae	6	0.8	6443	1.1

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-10-23

TOTAL DENSITY (#/ml): 741

TOTAL BIOVOLUME (cu.uM/ml): 599348

**TROPHIC STATE INDEX: 46.2** 

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	354	47.8	7087	1.2
2	Aphanizomenon flos-aquae	71	9.6	50177	8.4
3	Cryptomonas erosa	64	8.7	33503	5.6
4	Ankistrodesmus falcatus	58	7.8	1450	0.2
5	Chrysochromulina sp.	32	4.3	644	0.1
6	Mallomonas sp.	32	4.3	12241	2.0
7	Anabaena flos-aquae	26	3.5	51543	8.6
8	Fragilaria crotonensis	19	2.6	319362	53.3
9	Dinobryon sertularia	19	2.6	3085	0.5
10	Chlamydomonas sp.	13	1.7	4188	0.7
11	Asterionella formosa	13	1.7	12757	2.1
12	Tabellaria fenestrata	6	0.9	77314	12.9
13	Stephanodiscus astraea minutula	6	0.9	2255	0.4
14	Ochromonas sp.	6	0.9	548	0.1
15	Melosira granulata	6	0.9	21261	3.5
16	Navicula sp.	6	0.9	966	0.2
17	Pseudopedinella sp.	6	0.9	966	0.2

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-11-13

TOTAL DENSITY (#/ml): 717

TOTAL BIOVOLUME (cu.uM/ml): 1405946

TROPHIC STATE INDEX: 52.3

	SPECIES	DENSITY	PCT	BIOVOL	PCT
	Asterionella formosa	260	36.3	297660	21.2
2	Rhodomonas minuta	139	19.4	2775	0.2
23		93	12.9		
-	Tabellaria fenestrata	52	7.3		
4	Ankistrodesmus falcatus				
5	Mallomonas sp.	40			
6	Cryptomonas erosa	35			1.3
7 -	Aphanizomenon flos-aquae	17	2.4	10408	0.7
8	Fragilaria crotonensis	12	1.6	131137	9.3
9	Stephanodiscus astraea	12	1.6	92999	6.6
10	Crucigenia quadrata	6	0.8	491	0.0
11	Melosira granulata	6	0.8	3180	0.2
12	Oocystis pusilla	6	0.8	1249	0.1
13	Navicula pupula	6	0.8	1561	0.1
14	Cyclotella comta	6	0.8	13125	0.9
15	Melosira italica	6	0.8	10893	0.8
16	Ochromonas sp.	6	0.8	491	0.0
17	Chromulina sp.	6	0.8	116	0.0
18	Characium sp.	6	0.8	1099	0.1
19	Achnanthes minutissima	6	0.8	289	0.0

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-11-13

TOTAL DENSITY (#/ml): 894

TOTAL BIOVOLUME (cu.uM/ml): 2388764

TROPHIC STATE INDEX: 56.1

	SPECIES	DENSITY	PCT	BIOVOL	PCT
l	Asterionella formosa	355	39.7	420523	17.6
2	Rhodomonas minuta	146	16.4	2930	0.1
3	Tabellaria fenestrata	93	10.3	1387692	58.1
4	Mallomonas sp.	85	9.5	32225	1.3
5	Ankistrodesmus falcatus	69	7.8	1735	0.1
6	Aphanizomenon flos-aquae	23	2.6	13877	0.6
7	Cryptomonas erosa	23	2.6	12027	0.5
8	Stephanodiscus astraea	23	2.6	185997	7.8
9	Cyclotella comta	15	1.7	35001	1.5
10	Fragilaria crotonensis	15	1.7	271988	11.4
11	Stephanodiscus astraea minutula	15	1.7	5397	0.2
12	Melosira granulata	8	0.9	12721	0.5
13	Fragilaria construens	8	0.9	3454	0.1
14	Chlamydomonas sp.	8	0.9	2506	0.1
15	Botryococcus braunii	8	0.9	694	0.0

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 89-12-11

TOTAL DENSITY (#/ml): 902

TOTAL BIOVOLUME (cu.uM/ml): 858543

TROPHIC STATE INDEX: 48.7

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	333	36.9	6654	0.8
2	Cryptomonas erosa	288	32.0	149939	17.5
3	Ankistrodesmus falcatus	74	8.2	1848	0.2
4	Tabellaria fenestrata	67	7.4	372097	43.3
5	Mallomonas sp.	37	4.1	14048	1.6
6	Asterionella formosa	22	2.5	52066	6.1
7	Stephanodiscus astraea	22	2.5	178374	20.8
8	Chlamydomonas sp.	15	1.6	4806	0.6
9	Achnanthes linearis	7	0.8	976	0.1
10	Cyclotella atomus	7	0.8	148	0.0
11	Cocconeis placentula	7	0.8	3401	0.4
12	Fragilaria crotonensis	7	0.8	43473	5.1
13	Cyclotella comta	7	0.8	16783	2.0
14	Melosira italica	7	0.8	13929	1.6

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 89-12-11

TOTAL DENSITY (#/ml): 880

TOTAL BIOVOLUME (cu.uM/ml): 589413

TROPHIC STATE INDEX: 46

	SPECIES	DENSITY	PCT	BIOVOL	PCT
			~ ~ ~ ~		
1	Rhodomonas minuta	421	47.9	8429	1.4
2	Cryptomonas erosa	177	20.2	92270	15.7
3	Ankistrodesmus falcatus	67	7.6	1664	0.3
4	Mallomonas sp.	59	6.7	22476	3.8
5	Tabellaria fenestrata	52	5.9	336609	57.1
6	Asterionella formosa	30	3.4	22772	3.9
7	Melosira ambigua	15	1.7	74031	12.6
8	Stephanodiscus astraea minutula	7	0.8	2588	0.4
9	Anacystis sp.	7	0.8	2218	0.4
10	Aphanizomenon flos-aquae	7	0.8	4436	0.8
11	Chlamydomonas sp.	7	0.8	2403	0.4
12	Unident. chrysophyte	7	0.8	739	0.1
13	Cyclotella comta	7	0.8	16783	2.8
14	Stephanodiscus hantzschii	7	0.8	887	0.2
15	Pseudopedinella sp.	7	0.8	1109	0.2

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 90-01-08

TOTAL DENSITY (#/ml): 669

TOTAL BIOVOLUME (cu.uM/ml): 805935

**TROPHIC STATE INDEX: 48.3** 

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	233	34.9	4663	0.6
2	Cryptomonas erosa	123	18.3	63815	7.9
3	Asterionella formosa	104	15.6	118875	14.7
4	Cyclotella comta	49	7.3	111431	13.8
5	Ankistrodesmus falcatus	43	6.4	1074	0.1
6	Tabellaria fenestrata	37	5.5	382595	47.5
7	Cocconeis placentula	18	2.8	8468	1.1
8	Mallomonas sp.	12	1.8	4663	0.6
9	Trachelomonas volvocina	12	1.8	23133	2.9
10	Stephanodiscus astraea minutula	12	1.8	4295	0.5
11	Stephanodiscus astraea	6	0.9	49346	6.1
12	Fragilaria construens	6	0.9	4123	0.5
13	Gymnodinium sp.	6	0.9	16567	2.1
14	Trachelomonas hispida	6	0.9	12886	1.6

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 90-01-08

TOTAL DENSITY (#/ml): 1238

TOTAL BIOVOLUME (cu.uM/ml): 594154

TROPHIC STATE INDEX: 46.1

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	503	40.7	10069	1.7
2	Cryptomonas erosa	472	38.1	245428	41.3
3	Asterionella formosa	126	10.2	156998	26.4
4	Mallomonas sp.	31	2.5	11957	2.0
5	Cyclotella comta	21	1.7	47617	8.0
6	Ankistrodesmus falcatus	21	1.7	524	0.1
7	Trachelomonas hispida	10	0.8	22026	3.7
8	Aphanizomenon flos-aquae	10	0.8	6293	1.1
9	Trachelomonas sp.	10	0.8	20977	3.5
10	Chrysochromulina sp.	10	0.8	210	0.0
11	Pseudopedinella sp.	10	0.8	1573	0.3
12	Fragilaria crotonensis	10	0.8	70482	11.9

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 90-02-05

TOTAL DENSITY (#/ml): 472

# TOTAL BIOVOLUME (cu.uM/ml): 455479

TROPHIC STATE INDEX: 44.2

DIVERSITY INDEX: 2.67

	SPECIES	DENSITY	PCT	BIOVOL	PCT
	Diedemense minute	197	41.7	3936	0.9
T	Rhodomonas minuta				
2	Asterionella formosa	107	22.6	84896	18.6
3	Cryptomonas erosa	53	11.3	27716	6.1
4	Tabellaria fenestrata	25	5.2	187157	41.1
5	Mallomonas sp.	21	4.3	7790	1.7
6	Stephanodiscus astraea	12	2.6	98917	21.7
7	Stephanodiscus astraea minutula	12	2.6	4305	0.9
8	Ankistrodesmus falcatus	12	2.6	308	0.1
9	Cyclotella comta	4	0.9	9307	2.0
10	Navicula cryptocephala	4	0.9	759	0.2
11	Unident. chrysophyte	4	0.9	410	0.1
12	Achnanthes minutissima	4	0.9	205	0.0
13	Chlamydomonas sp.	4	0.9	1333	0.3
14	Ochromonas sp.	4	0.9	349	0.1
15	Achnanthes linearis	4	0.9	541	0.1
16	Fragilaria crotonensis	4	0.9	27552	6.0

1

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 90-02-05

TOTAL DENSITY (#/ml): 578

# TOTAL BIOVOLUME (cu.uM/ml): 546956

TROPHIC STATE INDEX: 45.5

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	171	29.6		
2	Cryptomonas erosa	147	25.5	76641	14.0
3	Asterionella formosa	106	18.4	103656	19.0
4	Cyclotella comta	24	4.1	53530	9.8
5	Chlamydomonas sp.	18			1.1
6	Tabellaria fenestrata	18	3.1	141349	25.8
7	Melosira italica	12	2.0	16660	3.0
8	Stephanodiscus astraea	12			
9	Achnanthes exigua	6	1.0	660	
10	Closteriopsis longissima	6	1.0	2099	
11	Melosira ambigua	6	1.0		
12	Gomphonema angustatum	6	1.0	1061	
13	Ochromonas sp.	6	1.0	501	
		6	1.0	147	0.0
14	Ankistrodesmus falcatus				
15	Stephanodiscus astraea minutula	6	1.0	2063	0.4
16	Synedra rumpens	6	1.0	825	0.2
17	Cymbella sinuata	6	1.0	825	
18	Mallomonas sp.	6	1.0	2240	0.4
19	Fragilaria crotonensis	6	1.0	19809	3.6
20	Aphanizomenon flos-aquae	6	1.0	3537	0.6

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 90-03-05

TOTAL DENSITY (#/ml): 2998

### TOTAL BIOVOLUME (cu.uM/ml): 1126969

**TROPHIC STATE INDEX: 50.7** 

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	1380	46.0	27591	2.4
2	Cryptomonas erosa	531	17.7	275906	24.5
3	Stephanodiscus astraea minutula	424	14.2	148565	13.2
4	Mallomonas sp.	371	12.4	141136	12.5
5	Ankistrodesmus falcatus	133	4.4	3316	0.3
6	Melosira italica	53	1.8	224916	20.0
7	Chlamydomonas sp.	27	0.9	8622	0.8
8	Asterionella formosa	27	0.9	23346	2.1
9	Cyclotella comta	27	0.9	60222	5.3
10	Stephanodiscus astraea	27	0.9	213350	18.9

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 90-03-05

TOTAL DENSITY (#/ml): 3969

TOTAL BIOVOLUME (cu.uM/ml): 1843941

TROPHIC STATE INDEX: 54.3

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	1624	40.9	32472	1.8
2	Mallomonas sp.	902	22.7	342760	18.6
3	Achnanthes minutissima	433	10.9	21648	1.2
4	Stephanodiscus hantzschii	289	7.3	34637	1.9
5	Cryptomonas erosa	253	6.4	131331	7.1
6	Ankistrodesmus falcatus	144	3.6	3608	0.2
7	Stephanodiscus astraea minutula	108	2.7	37884	2.1
8	Stephanodiscus astraea	72	1.8	580311	31.5
9	Cyclotella atomus	36	0.9	722	0.0
10	Melosira italica	36	0.9	135949	7.4
11	Tabellaria fenestrata	36	0.9	519552	28.2
12	Ochromonas sp.	36	0.9	3067	0.2

SAMPLE: Lake Sawyer, Sta 3

SAMPLE DATE: 90-04-02

TOTAL DENSITY (#/ml): 851

## TOTAL BIOVOLUME (cu.uM/ml): 1021916

TROPHIC STATE INDEX: 50

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	411	48.3	8226	0.8
2	Cryptomonas erosa	166	19.5	86303	8.4
3	Tabellaria fenestrata	65	7.6	572027	56.0
4	Cyclotella comta	65	7.6	147423	14.4
5	Ankistrodesmus falcatus	58	6.8	1443	0.1
6	Mallomonas sp.	36	4.2	13710	1.3
7	Sphaerocystis schroeteri	14	1.7	6061	0.6
8	Stephanodiscus astraea minutula	7	0.8	2526	0.2
9	Melosira italica	7	0.8	20392	2.0
10	Chrysochromulina sp.	7	0.8	144	0.0
11	Peridinium cinctum	7	0.8	30307	3.0
12	Fragilaria crotonensis	7	0.8	133352	13.0

SAMPLE: Lake Sawyer, Sta 4

SAMPLE DATE: 90-04-02

TOTAL DENSITY (#/ml): 1275

TOTAL BIOVOLUME (cu.uM/ml): 1465074

TROPHIC STATE INDEX: 52.6

	SPECIES	DENSITY	PCT	BIOVOL	PCT
1	Rhodomonas minuta	618	48.5	12353	0.8
2	Cryptomonas erosa	284	22.3	147850	10.1
3	Tabellaria fenestrata	108	8.5	1012044	69.1
4	Ankistrodesmus falcatus	88	6.9	2206	0.2
5	Cyclotella comta	69	5.4	155791	10.6
6	Oocystis pusilla	20	1.5	8471	0.6
7	Mallomonas sp.	20	1.5	7451	0.5
8	Melosira italica	10	0.8	27707	1.9
9	Ochromonas sp.	10	0.8	833	0.1
10	Stephanodiscus astraea	10	0.8	78847	5.4
11	Achnanthes minutissima	10	0.8	490	0.0
12	Chlamydomonas sp.	10	0.8	3186	0.2
13	Sphaerocystis schroeteri	10	0.8	5490	0.4
14	Nitzschia frustulum	10	0.8	2353	0.2

	CB40	CB41	BS39	BS40	BS41	BS42	BS43	BS44	CB42	CB43	CB44	CB45
CB40	<b>n</b> q <sup>.</sup> <b>n</b> n	9	10	11	10	8	5	5	3	2	З	З
CB41	72		9	10	9	9	5	5	4	4	4	5
BS39	52	49		13	12	10	6	5	6	4	З	4
BS40	61	61	80		15	12	9	7	5	5	5	6
BS41	43	47	58	61		13	9	9	5	6	6	8
BS42	45	49	54	56	78	15 50 00 40	9	10	5	6	6	7
BS43	38	40	40	45	56	59		7	6	5	7	6
BS44	48	51	40	54	56	59	79		6	7	7	7
CB42	24	27	30	27	33	32	37	32		5	5	5
CB43	13	18	18	20	28	24	31	28	79		7	6
CB44	35	36	35	37	40	42	49	44	79	70		7
CB45	39	42	40	42	46	48	52	49	74	66	86	

CODE SAMPLE CB40 Lake Sawyer, Sta 3, 89-02-27 CB41 Lake Sawyer, Sta 4, 89-02-27 BS39 Lake Sawyer, Sta 3, 89-03-20

CC-4-1			~	r 9	
BS39	Lake	Sawyer,	Sta	З,	89-03-20
BS40	Lake	Sawyer,	Sta	4,	89-03-20
BS41	Lake	Sawyer,	Sta	З,	89-04-10
BS42	Lake	Sawyer,	Sta	4,	89-04-10
BS43	Lake	Sawyer,	Sta	З,	89-05-01
BS44	Lake	Sawyer,	Sta	4,	89-05-01
CB42	Lake	Sawyer,	Sta	З,	89-05-22
CB43	Lake	Sawyer,	Sta	4,	89-05-22
CB44	Lake	Sawyer,	Sta	З,	89-06-12
CB45	Lake	Sawyer,	Sta	4,	89-06-12

	BS59	BS60	BS57	BS58	BS61	BS62	BS63	BS64	BS65	BS66	BS67	BS68	
BS59		13	12	14	12	13	14	15	9	12	9	10	
BS60	82		11	12	12	11	11	12	7	10	8	9	
BS57	55	51		12	10	9	11	13	6	10	7	8	
BS58	64	63	56		12	13	14	14	7	10	9	10	
BS61	50	47	66	60		12	10	13	6	12	8	9	
BS62	48	43	68	56	57		13	13	8	11	8	10	
BS63	54	52	53	63	46	59		17	12	14	9	11	
BS64	51	50	51	59	46	56	72		12	14	10	12	
BS65	37	48	28	43	34	31	49	41		12	8	10	
BS66	38	46	32	45	40	34	43	38	69		10	12	
BS67	42	47	21	41	28	24	31	28	54	75		13	
BS68	45	53	24	47	31	28	42	41	63	74	82		

CODE	SAMPLE
BS59	Lake Saywer, Sta 3, 89-07-10
BS60	Lake Saywer, Sta 4, 89-07-10
BS57	Lake Sawyer, Sta 3, 89-07-31
BS58	Lake Sawyer, Sta 4, 89-07-31
BS61	Lake Saywer, Sta 3, 89-08-21
BS62	Lake Saywer, Sta 4, 89-08-21
BS63	Lake Saywer, Sta 3, 89-09-11
BS64	Lake Saywer, Sta 4, 89-09-11
BS65	Lake Saywer, Sta 3, 89-10-02
BS66	Lake Saywer, Sta 4, 89-10-02
BS67	Lake Saywer, Sta 3, 89-10-23
BS68	Lake Sawyer, Sta 4, 89-10-23

	BS69	BS70	BS75	BS76	BS77	BS78	BS79	BS80	BS81	BS82	BS83	BS84
BS69		11	10	8	8	8	11	12	8	9	8	11
BS70	86		10	10	10	8	11	12	9	7	8	8
BS75	49	46		8	9	7	11	11	9	8	8	9
BS76	48	46	79		8	8	10	11	8	7	7	7
BS77	55	54	72	72		. 7	9	9	8	7	7	7
BS78	41	37	77	71	69		7	8	6	4	7	5
BS79	64	61	68	72	75	68		12	9	9	8	10
BS80	54	50	69	63	75	71	71		10	9	9	10
BS81	38	38	67	78	63	64	66	56		7	7	8
BS82	38	37	55	60	50	51	61	44	68		7	9
BS83	45	41	77	86	75	68	68	61	75	58		8
BS84	46	39	78	84	73	68	66	64	73	56	91	

CODE SAMPLE

BS69	Lake	Sawyer,	Sta	З,	89-11-13
BS70	Lake	Sawyer,	Sta	4,	89-11-13
BS75	Lake	Sawyer,	Sta	З,	89-12-11
BS76	Lake	Sawyer,	Sta	4,	89-12-11
BS77	Lake	Sawyer,	Sta	З,	90-01-08
BS78	Lake	Sawyer,	Sta	4,	90-01-08
BS79	Lake	Sawyer,	Sta	З,	90-02-05
BS80	Lake	Sawyer,	Sta	4,	90-02-05
BS81	Lake	Sawyer,	Sta	З,	90-03-05
BS82	Lake	Sawyer,	Sta	4,	90-03-05
BS83	Lake	Sawyer,	Sta	З,	90-04-02
BS84	Lake	Sawyer,	Sta	4,	90-04-02

	CB40	BS39	BS41	BS43	CB42	CB44	BS59	BS57	BS61	BS63	BS65	BS67
CB40		10	10	5	З	3	4	3	4	4	4	6
BS39	52		12	6	6	3	6	7	8	8	6	9
BS41	43	58		9	5	6	8	8	10	8	8	9
BS43	38	40	56		6	7	7	7	7	8	7	8
CB42	24	30	33	37		5	7	6	6	6	5	7
CB44	35	35	40	49	79		7	4	7	7	6	6
BS59	26	29	44	52	59	61		12	12	14	9	9
BS57	13	22	30	31	36	36	55		10	11	6	7
BS61	23	32	38	37	36	38	50	66		10	6	8
BS63	17	25	34	39	32	35	54	53	46		12	9
BS65	42	43	49	49	28	38	37	28	34	49		8
BS67	58	46	50	54	30	38	42	21	28	31	54	N 11 11 17

CODE SAMPLE

CB40	Lake	Sawyer,	Sta	З,	89-02-27
BS39	Lake	Sawyer,	Sta	З,	89-03-20
BS41	Lake	Sawyer,	Sta	З,	89-04-10
BS43	Lake	Sawyer,	Sta	З,	89-05-01
CB42	Lake	Sawyer,	Sta	З,	89-05-22
CB44	Lake	Sawyer,	Sta	З,	89-06-12
BS59	Lake	Saywer,	Sta	З,	89-07-10
BS57	Lake	Sawyer,	Sta	З,	89-07-31
BS61	Lake	Saywer,	Sta	З,	89-08-21
BS63	Lake	Saywer,	Sta	З,	89-09-11
BS65	Lake	Saywer,	Sta	З,	89-10-02
BS67	Lake	Saywer,	Sta	З,	89-10-23

Similarity indices are given at the lower left. Number of species common between samples are at upper right.

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	BS59	BS57	BS61	BS63	BS65	BS67	BS69	BS75	BS77	BS79	BS81	BS83
BS59		12	12	14	9	9	7	6	5	6	6	6
BS57	55		10	11	6	7	7	6	5	7	6	5
BS61	50	66		10	6	8	10	7	5	9	6	7
BS63	54	53	46		12	9	9	6	5	7	6	6
BS65	.37	28	34	49		8	7	5	5	7	5	4
BS67	42	21	28	31	54		8	7	7	8	7	7
BS69	34	21	29	29	47	43		10	8	11	8	8
BS75	40	20	26	25	52	63	49		9	11	9	8
<b>BS77</b>	46	25	31	29	57	58	55	72		9	8	7
BS79	35	19	28	21	56	65	64	68	75		9	8
BS81	39	19	26	22	46	73	38	67	63	66		7
BS83	47	26	33	31	48	73	45	77	75	- 68	75	* * * *

CODE	SAMPL	_E			
BS59	Lake	Saywer,	Sta	З,	89-07-10
BS57	Lake	Sawyer,	Sta	З,	89-07-31
BS61	Lake	Saywer,	Sta	З,	89-08-21
BS63	Lake	Saywer,	Sta	З,	89-09-11
BS65	Lake	Saywer,	Sta	З,	89-10-02
BS67	Lake	Saywer,	Sta	З,	89-10-23
BS69	Lake	Sawyer,	Sta	З,	89-11-13
BS75	Lake	Sawyer,	Sta	з,	89-12-11
BS77	Lake	Sawyer,	Sta	З,	90-01-08
BS79	Lake	Sawyer,	Sta	З,	90-02-05
BS81	Lake	Sawyer,	Sta	З,	90-03-05
BS83	Lake	Sawyer,	Sta	З,	90-04-02

				:		*						
	CB41	BS40	BS42	BS44	CB43	CB45	BS60	BS58	BS62	BS64	BS66	BS68
CB41		10	9	5	4	5	5	4	6	6	5	4
BS40	61		12	7	5	6	7	7	7	9	10	10
BS42	49	56		10	6	7	7	8	7	8	9	7
BS44	51	54	59		7	7	7	7	. 7	8	9	7
CB43	18	20	24	28		6	6	4	- 6	5	7	5
CB45	42	42	48	49	- 66		9	7	8	9	7	6
BS60	37	39	48	50	51	78	* * * * *	12	11	12	10	9
BS58	28	36	43	43	32	47	63		13	14	10	10
BS62	16	21	23	25	31	35	43	56		13	11	10
BS64	16	22	31	31	28	38	50	59	56		14	12
BS66	59	56	48	56	17	42	46	45	34	38		12
BS68	57	57	51	62	22	48	53	47	28	41	74	

CODE SAMPLE

CB41	Lake	Sawyer,	Sta	4,	89-02-27
BS40	Lake	Sawyer,	Sta	4,	89-03-20
BS42	Lake	Sawyer,	Sta	4,	89-04-10
BS44	Lake	Sawyer,	Sta	4,	89-05-01
CB43	Lake	Sawyer,	Sta	4,	89-05-22
CB45	Lake	Sawyer,	Sta	4,	89-06-12
BS60	Lake	Saywer,	Sta	4,	89-07-10
BS58	Lake	Sawyer,	Sta	4,	89-07-31
BS62	Lake	Saywer,	Sta	4,	89-08-21
BS64	Lake	Saywer,	Sta	4,	89-09-11
BS66	Lake	Saywer,	Sta	4,	89-10-02
BS68	Lake	Sawyer,	Sta	4,	89-10-23

	BS60	BS58	BS62	BS64	BS66	BS68	BS70	BS76	BS78	BS80	BS82	BS84
BS60		12	11	12	10	9	7	7	7	8	4	8
BS58	63		13	14	10	10	7	7	6	9	5	8
BS62	43	56	* * * * *	13	11	10	8	7	8	9	7	10
BS64	50	59	56		14	12	8	9	9	9	6	8
BS66	46	45	34	38		12	9	10	10	10	5	8
BS68	53	47	28	41	74		11	10	9	11	7	7
BS70	33	33	25	26	40	41		10	8	12	7	8
BS76	44	37	23	24	69	74	46		8	11	7	7
BS78	39	31	20	19	56	59	37	71		8	4	5
BS80	43	36	23	23	43	48	50	63	71		9	10
BS82	37	31	22	20	52	58	37	60	51	44		9
BS84	49	42	28	27	63	67	39	84	68	64	56	

CODE SAMPLE

BS60	Lake	Saywer,	Sta	4,	89-07-10
BS58	Lake	Sawyer,	Sta	4,	89-07-31
BS62	Lake	Saywer,	Sta	4,	89-08-21
BS64	Lake	Saywer,	Sta	4,	89-09-11
BS66	Lake	Saywer,	Sta	4,	89-10-02
BS68	Lake	Sawyer,	Sta	4,	89-10-23
BS70	Lake	Sawyer,	Sta	4,	89-11-13
BS76	Lake	Sawyer,	Sta	4,	89-12-11
BS78	Lake	Sawyer,	Sta	4,	90-01-08
BS80	Lake	Sawyer,	Sta	4,	90-02-05
BS82	Lake	Sawyer,	Sta	4,	90-03-05
BS84	Lake	Sawyer,	Sta	4,	90-04-02

	CB40	CB41	BS79	BS80	BS39	BS40	BS81	BS82	BS41	BS42	BS83	BS84	
CB40	0	9	5	6	10	11	4	6	10	8	3	6	
CB4	1 72		6	8	9	10	6	6	9	9	4	6	
BS7	9 51	53		12	10	11	9	9	10	10	8	10	
BS8	0 40	44	71		11	12	10	9	11	12	9	10	
BS3	9 52	49	49	49		13	8	8	12	10	5	8	
BS4	0 61	61	61	49	80		9	9	15	12	7	8	
BS8	1 53	57	66	56	55	69		7	8	8	7	8	
BS8	2 65	56	61	44	51	60	68		8	8	7	9	
BS4	1 43	47	55	57	58	61	54	46		13	7	9	
BS4	2 45	49	53	56	54	56	52	48	78		7	8	
BS8	3 53	58	68	61	40	55	75	58	52	51		8	
BS8	4 55	59	66	64	42	56	73	56	52	52	91		

CODE SAMPLE

CB40	Lake	Sawyer,	Sta	З,	89-02-27
CB41	Lake	Sawyer,	Sta	4,	89-02-27
BS79	Lake	Sawyer,	Sta	З,	90-02-05
BS80	Lake	Sawyer,	Sta	4,	90-02-05
BS39	Lake	Sawyer,	Sta	З,	89-03-20
BS40	Lake	Sawyer,	Sta	4,	89-03-20
BS81	Lake	Sawyer,	Sta	З,	90-03-05
BS82	Lake	Sawyer,	Sta	4,	90-03-05
BS41	Lake	Sawyer,	Sta	З,	89-04-10
BS42	Lake	Sawyer,	Sta	4,	89-04-10
BS83	Lake	Sawyer,	Sta	З,	90-04-02
BS84	Lake	Sawyer,	Sta	4,	90-04-02