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Job Messages

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Job Messages

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Weight:	90.00
Type:	plain
Coating Type:	None
Output:	
Sides Imaged:	2 Sided
Stapling/Finishing:	No Finishing
Image Quality:	
Print As Grayscale:	Disabled
Image Adjustments:	
Lightness: -100 --- 0 --- +100	Cyan: -100 --- 0 --- +100 Red
Contrast: -100 --- 0 --- +100	Magenta: -100 --- 0 --- +100 Green
Saturation: -100 --- 0 --- +100	Yellow: -100 --- 0 --- +100 Blue
Options:	
Black Overprint:	Disabled
PostScript Overprint:	Enabled
Anti-aliasing:	Disabled
Trapping:	Disabled
Image Vector Trapping:	Disabled
User TRC:	None
Halftone:	System Specified
Input Color Setup	
RGB Color Space:	
Images Profile:	sRGB
Text and Graphics Profile:	sRGB
CMYK Color Space:	
Images Profile:	SWOP Coated CMYK
Text and Graphics Profile:	SWOP Coated CMYK
Gray Color Space:	
Images Profile:	gamma-1.8
Text and Graphics Profile:	DC8000 GRAY
Output Color Setup	
Destination Profile:	XEROX DC8000
Rendering for Specific Data:	
Images:	Relative Colorimetric
Text:	Pure
Graphics:	Saturation
Pantone Processing:	Enabled
Automatic Image Enhancement:	Disabled
Interpolation Method:	System Specified
Dynamic LUT Generation:	Enabled
PDL Settings:	
PostScript Resolution(dpi):	600x600
Process Images at Half Resolution:	Disabled

The online help contains information regarding the fields in this report.

APPENDIX A

I. 1983 Harris Lake Water Quality Data

II. 1983 Harris Lake Water Quality Summary Statistics

---------- LOCATION=SH1 DATE=12JAN83 TYPE=T ----------

DEPTH	D2*	BK2*	E2*	H2	P2	Z1*	V3	S2
_SUR	8.3	5.6	8.8	8.3	8.6	8.3	8.3	8.1
_1M	.	.	8.8	8.2	8.5	8.3	8.3	8.0
_2M	.	.	8.8	8.2	8.5	8.0	8.3	8.0
_3M	.	.	8.8	8.2	8.4	.	8.3	8.0
_4M	.	.	8.7	8.2	8.4	.	8.3	.
_5M	.	.	8.7	8.2	8.4	.	.	.
_6M	.	.	8.6	8.2	8.4	.	.	.
_7M	.	.	8.6	8.1	8.3	.	.	.
_8M	.	.	8.5	8.2	8.3	.	.	.
_9M	.	.	8.5	.	.	.	.	.
_10M	.	.	8.5	.	.	.	.	.
_11M	.	.	8.5	.	.	.	.	.
_12M	.	.	8.4	.	.	.	.	.
_13M	.	.	8.5	.	.	.	.	.

*COLLECTED ON JANUARY 13

---------- LOCATION=SH1 DATE=17FEB83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	4.7	5.5	5.7	6.5	5.9	5.3	7.1	6.0
_1M	.	.	5.5	6.5	5.8	5.2	7.2	5.8
_2M	.	.	5.5	6.4	5.8	4.9	7.1	5.8
_3M	.	.	5.5	5.8	5.7	4.8	5.3	5.5
_4M	.	.	5.5	5.2	5.7	.	4.7	.
_5M	.	.	5.5	5.0	5.7	.	4.5	.
_6M	.	.	5.4	5.0	5.7	.	4.5	.
_7M	.	.	5.4	5.0	5.6	.	4.7	.
_8M	.	.	5.4	5.0	.	.	.	.
_9M	.	.	5.4	.	.	.	.	.
_10M	.	.	5.4	.	.	.	.	.
_11M	.	.	5.4	.	.	.	.	.
_12M	.	.	5.4	.	.	.	.	.
_13M	.	.	5.3	.	.	.	.	.

---------- LOCATION=SH1 DATE=21MAR83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	13.3	12.4	11.0	13.1	11.9	13.9	13.9	13.2
_1M	.	.	10.9	13.1	11.8	13.6	13.7	13.1
_2M	.	.	10.7	13.1	11.8	13.2	13.2	13.1
_3M	.	.	10.6	13.1	11.8	12.9	13.0	13.1
_4M	.	.	10.6	12.9	11.8	12.4	12.9	12.9
_5M	.	.	10.5	12.0	11.7	.	12.7	.
_6M	.	.	10.3	11.3	11.7	.	11.1	.
_7M	.	.	10.2	10.8	11.6	.	10.8	.
_8M	.	.	10.2	10.6	11.5	.	10.6	.
_9M	.	.	10.2	10.2	.	.	.	.
_10M	.	.	10.1	.	.	.	.	.
_11M	.	.	10.1	.	.	.	.	.
_12M	.	.	10.0	.	.	.	.	.
_13M	.	.	9.7	.	.	.	.	.

---------- LOCATION=SH1 DATE=21APR83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	12.1	14.4	12.9	14.0	13.4	12.8	13.5	13.0
_1M	.	.	12.6	13.2	13.2	12.6	13.4	12.9
_2M	.	.	12.5	12.4	13.1	12.4	13.1	12.1
_3M	.	.	12.5	12.3	13.1	12.3	12.4	11.7
_4M	.	.	12.4	12.3	12.9	12.0	12.1	11.5
_5M	.	.	12.3	12.2	12.7	11.9	.	.
_6M	.	.	12.2	12.1	12.5	.	.	.
_7M	.	.	12.2	12.0	12.5	.	.	.
_8M	.	.	12.0	11.8	12.4	.	.	.
_9M	.	.	12.0	.	12.4	.	.	.
_10M	.	.	12.0	.	.	.	.	.
_11M	.	.	.	.	.	.	.	.
_12M	.	.	.	.	.	.	.	.
_13M	.	.	.	.	.	.	.	.

---------- LOCATION=SH1 DATE=24MAY83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	20	22	22.8	24.3	22.7	24.9	24.6	23.7
_1M	.	.	22.4	23.6	22.7	23.9	23.3	23.7
_2M	.	.	22.3	22.5	22.7	23.6	22.6	23.7
_3M	.	.	22.2	20.7	22.7	21.3	21.0	23.0
_4M	.	.	22.1	19.7	22.0	17.7	20.4	20.3
_5M	.	.	22.1	18.9	19.5	.	20.3	.
_6M	.	.	21.4	17.8	17.6	.	.	.
_7M	.	.	18.0	15.8	15.5	.	.	.
_8M	.	.	14.9	14.6	14.5	.	.	.
_9M	.	.	13.9	14.4	.	.	.	.
_10M	.	.	13.4	.	.	.	.	.
_11M	.	.	12.8	.	.	.	.	.
_12M	.	.	12.0	.	.	.	.	.
_13M	.	.	11.7	.	.	.	.	.

---------- LOCATION=SH1 DATE=20JUN83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	26	26	28.2	29.4	30.0	29.0	30.5	29.7
_1M	.	.	28.0	28.9	29.3	29.0	29.7	29.3
_2M	.	.	26.8	26.4	27.3	28.1	27.2	27.3
_3M	.	.	25.5	24.6	24.5	25.0	24.8	25.0
_4M	.	.	23.7	23.6	23.3	20.4	23.3	.
_5M	.	.	21.8	21.5	22.2	.	21.6	.
_6M	.	.	19.9	17.8	18.8	.	18.6	.
_7M	.	.	16.4	.	16.4	.	16.5	.
_8M	.	.	14.7	.	15.3	.	.	.
_9M	.	.	13.8	.	.	.	.	.
_10M	.	.	13.4	.	.	.	.	.
_11M	.	.	13.0	.	.	.	.	.
_12M	.	.	12.4	.	.	.	.	.
_13M	.	.	.	.	.	.	.	.

---------- LOCATION=SH1 DATE=27JUL83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	26.5	26.6	29.1	30.2	29.8	29.6	30.5	30.3
_1M	.	.	29.3	30.1	29.4	29.1	29.3	30.2
_2M	.	.	29.0	29.3	29.1	28.7	28.8	29.0
_3M	.	.	28.9	29.2	28.8	28.5	28.5	28.0
_4M	.	.	27.4	27.9	27.3	28.5	26.3	.
_5M	.	.	22.8	22.2	23.8	28.2	23.0	.
_6M	.	.	18.8	18.4	19.5	.	19.7	.
_7M	.	.	16.9	.	16.7	.	18.2	.
_8M	.	.	15.7	.	15.9	.	.	.
_9M	.	.	14.5	.	.	.	.	.
_10M	.	.	13.8	.	.	.	.	.
_11M	.	.	13.1	.	.	.	.	.
_12M	.	.	12.6	.	.	.	.	.
_13M	.	.	12.1	.	.	.	.	.

---------- LOCATION=SH1 DATE=24AUG83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	26.9	25.5	27.5	28.8	29.0	28.6	29.8	28.9
_1M	.	.	27.5	28.9	29.0	28.6	29.9	29.0
_2M	.	.	27.5	28.9	29.0	28.4	29.8	29.0
_3M	.	.	27.3	28.7	28.8	28.2	29.4	28.8
_4M	.	.	26.8	26.4	27.5	24.4	29.1	.
_5M	.	.	25.9	23.8	24.0	18.9	27.7	.
_6M	.	.	24.4	.	19.2	15.6	.	.
_7M	.	.	19.4	.	17.4	.	.	.
_8M	.	.	16.5	.	.	.	.	.
_9M	.	.	15.5	.	.	.	.	.
_10M	.	.	14.5	.	.	.	.	.
_11M	.	.	13.5	.	.	.	.	.
_12M	.	.	13.2	.	.	.	.	.
_13M	.	.	12.8	.	.	.	.	.

---------- LOCATION=SH1 DATE=19SEP83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	28.4	23	25.5	25.7	26.1	27.0	26.4	24.7
_1M	.	.	25.0	25.5	25.8	26.4	26.0	24.6
_2M	.	.	24.8	25.3	25.4	25.3	25.6	24.5
_3M	.	.	24.6	24.8	25.0	24.6	25.1	24.0
_4M	.	.	24.6	24.7	24.8	.	24.6	.
_5M	.	.	24.5	24.5	24.5	.	24.1	.
_6M	.	.	23.1	.	23.8	.	22.2	.
_7M	.	.	18.8	.	19.9	.	20.2	.
_8M	.	.	16.2	.	17.6	.	19.9	.
_9M	.	.	14.9	.	.	.	.	.
_10M	.	.	14.5	.	.	.	.	.
_11M	.	.	13.7	.	.	.	.	.
_12M	.	.	13.5	.	.	.	.	.
_13M	.	.	12.6	.	.	.	.	.

---------- LOCATION=SH1 DATE=24OCT83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	18.4	17	19.0	18.6	18.6	18.3	18.1	17.6
_1M	.	.	18.9	18.5	18.6	.	18.1	17.6
_2M	.	.	18.8	18.5	18.5	.	17.9	17.1
_3M	.	.	18.8	18.4	18.5	.	17.7	17.1
_4M	.	.	18.8	18.4	18.5	.	17.9	.
_5M	.	.	18.8	18.4	18.5	.	17.9	.
_6M	.	.	18.7	12.6	18.5	.	17.9	.
_7M	.	.	18.5	18.4	18.4	.	18.0	.
_8M	.	.	16.5	18.4	18.2	.	18.0	.
_9M	.	.	14.8	18.5	.	.	.	.
_10M	.	.	14.0	.	.	.	.	.
_11M	.	.	13.3	.	.	.	.	.
_12M	.	.	13.2	.	.	.	.	.
_13M	.	.	13.2	.	.	.	.	.

---------- LOCATION=SH1 DATE=22NOV83 TYPE=T ----------

DEPTH	D2*	BK2*	E2	H2	P2	Z1	V3	S2
_SUR	10.1	8.6	14.8	14.2	13.6	16.5	14.9	13.5
_1M	.	.	13.7	13.5	13.2	13.5	13.3	12.4
_2M	.	.	13.4	13.4	13.2	13.1	13.2	12.3
_3M	.	.	13.4	13.3	13.1	12.9	13.1	12.3
_4M	.	.	13.3	13.3	13.1	12.9	13.0	.
_5M	.	.	13.3	13.1	13.1	.	.	.
_6M	.	.	13.3	12.9	12.8	.	.	.
_7M	.	.	13.2	12.6	12.8	.	.	.
_8M	.	.	13.2	.	12.6	.	.	.
_9M	.	.	13.2	.	.	.	.	.
_10M	.	.	13.2	.	.	.	.	.
_11M	.	.	13.2	.	.	.	.	.
_12M	.	.	13.2	.	.	.	.	.
_13M	.	.	12.6	.	.	.	.	.

*COLLECTED ON NOVEMBER 23

---------- LOCATION=SH1 DATE=14DEC83 TYPE=T ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	10.6	10.1	11.6	11.9	11.8	11.8	12.0	11.2
_1M	.	.	11.6	11.9	11.8	11.7	11.7	11.1
_2M	.	.	11.5	11.8	11.7	11.5	11.4	11.0
_3M	.	.	11.5	11.7	11.7	11.3	11.3	10.7
_4M	.	.	11.5	11.7	11.7	.	11.3	10.6
_5M	.	.	11.4	11.6	11.6	.	11.4	10.6
_6M	.	.	11.4	11.6	11.6	.	11.3	.
_7M	.	.	11.3	.	11.6	.	.	.
_8M	.	.	11.2	.	11.6	.	.	.
_9M	.	.	11.2	.	11.6	.	.	.
_10M	.	.	11.2	.	.	.	.	.
_11M	.	.	11.2	.	.	.	.	.
_12M	.	.	11.2	.	.	.	.	.
_13M	.	.	11.2	.	.	.	.	.

---------- LOCATION=SH1 DATE=12JAN83 TYPE=DO ----------

DEPTH	D2*	BK2*	E2*	H2	P2	Z1*	V3	S2
_SUR	11.9	10.9	9.1	7.4	8.8	10	9.2	8.2
_1M	.	.	8.9	7.3	8.8	10	9.2	8.2
_2M	.	.	8.8	7.3	8.4	10	9.2	8.3
_3M	.	.	8.7	7.3	8.4	.	9.2	8.4
_4M	.	.	8.6	7.3	8.4	.	9.0	.
_5M	.	.	8.6	7.3	8.4	.	.	.
_6M	.	.	8.5	7.3	8.5	.	.	.
_7M	.	.	8.4	7.3	8.4	.	.	.
_8M	.	.	8.4	7.2	8.4	.	.	.
_9M	.	.	8.4	.	.	.	.	.
_10M	.	.	8.3	.	.	.	.	.
_11M	.	.	8.3	.	.	.	.	.
_12M	.	.	8.3	.	.	.	.	.
_13M	.	.	8.2	.	.	.	.	.

*COLLECTED ON JANUARY 13

---------- LOCATION=SH1 DATE=17FEB83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	11.8	11.7	10.1	10.2	10.4	11.1	10.3	10.3
_1M	.	.	10.2	10.3	10.4	11.1	10.6	10.3
_2M	.	.	10.3	10.3	10.5	10.8	10.6	10.2
_3M	.	.	10.3	9.8	10.4	10.8	10.7	9.9
_4M	.	.	10.3	9.4	10.4	.	9.6	.
_5M	.	.	10.3	9.4	10.4	.	9.6	.
_6M	.	.	10.3	9.5	10.4	.	9.9	.
_7M	.	.	10.3	9.5	10.3	.	9.2	.
_8M	.	.	10.3	9.5	.	.	.	.
_9M	.	.	10.3	.	.	.	.	.
_10M	.	.	10.3	.	.	.	.	.
_11M	.	.	10.3	.	.	.	.	.
_12M	.	.	10.3	.	.	.	.	.
_13M	.	.	10.2	.	.	.	.	.

---------- LOCATION=SH1 DATE=21MAR83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	10.1	10.6	9.9	10.0	10.1	10.3	10.0	8.5
_1M	.	.	9.8	9.9	10.0	10.1	9.9	8.4
_2M	.	.	9.8	9.9	9.9	10.0	9.8	8.4
_3M	.	.	9.7	9.8	9.9	9.8	9.8	8.3
_4M	.	.	9.7	9.6	9.8	9.4	9.7	8.1
_5M	.	.	9.6	9.2	9.7	.	9.7	.
_6M	.	.	9.5	8.3	9.7	.	7.0	.
_7M	.	.	9.4	7.8	9.6	.	7.0	.
_8M	.	.	9.3	7.5	9.5	.	7.0	.
_9M	.	.	9.3	5.6	.	.	.	.
_10M	.	.	9.3	.	.	.	.	.
_11M	.	.	9.2	.	.	.	.	.
_12M	.	.	9.0	.	.	.	.	.
_13M	.	.	8.6	.	.	.	.	.

---------- LOCATION=SH1 DATE=21APR83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	9.3	7	9.3	9.2	8.9	9.0	8.0	7.3
_1M	.	.	9.3	8.9	8.7	9.1	7.7	7.5
_2M	.	.	9.3	8.2	8.6	9.4	7.3	7.0
_3M	.	.	9.3	8.2	8.6	9.2	7.9	6.7
_4M	.	.	9.3	8.2	8.6	9.0	7.1	6.4
_5M	.	.	9.3	8.4	8.4	8.9	.	.
_6M	.	.	9.2	8.5	8.4	.	.	.
_7M	.	.	9.2	8.0	8.6	.	.	.
_8M	.	.	8.8	7.4	8.5	.	.	.
_9M	.	.	7.9	.	8.5	.	.	.
_10M	.	.	7.7	.	.	.	.	.
_11M	.	.	.	.	.	.	.	.
_12M	.	.	.	.	.	.	.	.
_13M	.	.	.	.	.	.	.	.

---------- LOCATION=SH1 DATE=24MAY83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	8.6	7.9	7.6	8.8	8.4	7.8	8.6	8.3
_1M	.	.	7.4	8.0	8.2	8.0	7.6	7.9
_2M	.	.	7.6	7.0	8.1	7.5	6.9	7.5
_3M	.	.	7.6	5.8	8.1	5.4	5.1	5.8
_4M	.	.	7.6	5.1	6.8	1.9	2.6	0.3
_5M	.	.	7.6	3.8	3.5	.	2.7	.
_6M	.	.	6.6	2.1	2.6	.	.	.
_7M	.	.	3.5	0.0	0.8	.	.	.
_8M	.	.	2.1	0.0	0.5	.	.	.
_9M	.	.	1.9	0.0	.	.	.	.
_10M	.	.	1.9	.	.	.	.	.
_11M	.	.	1.2	.	.	.	.	.
_12M	.	.	0.0	.	.	.	.	.
_13M	.	.	0.0	.	.	.	.	.

---------- LOCATION=SH1 DATE=20JUN83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	6	7	8.8	9.4	8.2	8.0	9.4	9.3
_1M	.	.	8.3	9.3	8.3	7.8	8.5	9.2
_2M	.	.	8.4	6.8	7.8	7.1	7.4	5.9
_3M	.	.	6.6	3.3	3.8	4.0	3.3	0.0
_4M	.	.	3.4	0.6	2.3	0.4	0.3	.
_5M	.	.	0.0	0.0	0.0	.	0.0	.
_6M	.	.	0.0	0.0	0.0	.	0.0	.
_7M	.	.	0.0	.	0.0	.	0.0	.
_8M	.	.	0.0	.	0.0	.	.	.
_9M	.	.	0.0	.	.	.	.	.
_10M	.	.	0.0	.	.	.	.	.
_11M	.	.	0.0	.	.	.	.	.
_12M	.	.	0.0	.	.	.	.	.
_13M	.	.	.	.	.	.	.	.

---------- LOCATION=SH1 DATE=27JUL83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	5.1	4.8	6.9	5.4	6.7	6.1	6.3	5.9
_1M	.	.	6.2	5.7	6.2	6.1	5.8	5.8
_2M	.	.	5.7	5.7	6.0	6.0	5.2	4.5
_3M	.	.	5.3	5.3	5.8	5.9	2.8	1.2
_4M	.	.	2.4	1.0	1.0	6.3	0.0	.
_5M	.	.	0.0	0.0	0.0	0.4	0.0	.
_6M	.	.	0.0	0.0	0.0	.	0.0	.
_7M	.	.	0.0	.	0.0	.	0.0	.
_8M	.	.	0.0	.	0.0	.	.	.
_9M	.	.	0.0	.	.	.	.	.
_10M	.	.	0.0	.	.	.	.	.
_11M	.	.	0.2	.	.	.	.	.
_12M	.	.	0.3	.	.	.	.	.
_13M	.	.	0.3	.	.	.	.	.

---------- LOCATION=SH1 DATE=24AUG83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	5.7	4.3	5.5	7.1	7.2	7.6	7.8	5.9
_1M	.	.	5.6	6.5	7.1	7.5	7.9	5.5
_2M	.	.	4.6	6.3	6.7	6.9	7.0	5.7
_3M	.	.	3.9	4.8	6.3	5.7	6.4	4.4
_4M	.	.	1.3	0.0	1.7	0.2	5.2	.
_5M	.	.	0.2	0.0	0.3	0.0	0.8	.
_6M	.	.	0.0	.	0.0	0.0	.	.
_7M	.	.	0.0	.	0.0	.	.	.
_8M	.	.	0.0	.	.	.	.	.
_9M	.	.	0.0	.	.	.	.	.
_10M	.	.	0.0	.	.	.	.	.
_11M	.	.	0.0	.	.	.	.	.
_12M	.	.	0.0	.	.	.	.	.
_13M	.	.	0.0	.	.	.	.	.

---------- LOCATION=SH1 DATE=19SEP83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	10.2	6	6.6	6.8	7.0	6.9	7.1	7.7
_1M	.	.	6.3	6.4	6.7	6.8	6.9	7.3
_2M	.	.	6.0	5.4	6.3	6.7	6.4	7.2
_3M	.	.	5.7	3.3	5.9	6.1	5.1	2.4
_4M	.	.	5.2	2.6	5.2	.	2.6	.
_5M	.	.	5.0	1.2	3.4	.	0.0	.
_6M	.	.	0.9	.	0.7	.	0.0	.
_7M	.	.	0.0	.	0.0	.	0.3	.
_8M	.	.	0.0	.	0.0	.	0.3	.
_9M	.	.	0.0	.	.	.	.	.
_10M	.	.	0.0	.	.	.	.	.
_11M	.	.	0.0	.	.	.	.	.
_12M	.	.	0.0	.	.	.	.	.
_13M	.	.	0.0	.	.	.	.	.

---------- LOCATION=SH1 DATE=24OCT83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	8.9	9.2	8.0	7.7	8.1	9	9.0	8.3
_1M	.	.	8.0	7.0	7.8	.	8.7	8.3
_2M	.	.	7.9	6.9	7.6	.	8.5	7.6
_3M	.	.	7.9	6.9	7.5	.	8.7	7.4
_4M	.	.	7.9	6.9	7.4	.	8.2	.
_5M	.	.	7.4	6.8	7.4	.	8.1	.
_6M	.	.	7.2	6.8	7.2	.	8.1	.
_7M	.	.	5.8	6.8	6.2	.	7.9	.
_8M	.	.	2.2	6.8	4.5	.	7.7	.
_9M	.	.	2.1	6.8	.	.	.	.
_10M	.	.	2.2	.	.	.	.	.
_11M	.	.	2.3	.	.	.	.	.
_12M	.	.	2.3	.	.	.	.	.
_13M	.	.	2.2	.	.	.	.	.

---------- LOCATION=SH1 DATE=22NOV83 TYPE=DO ----------

DEPTH	D2*	BK2*	E2	H2	P2	Z1	V3	S2
_SUR	10.7	9.1	7.5	7.8	9.0	9.1	9.6	9.6
_1M	.	.	6.4	7.7	8.7	9.2	8.6	8.5
_2M	.	.	6.1	7.7	8.7	9.0	8.6	8.5
_3M	.	.	5.9	7.6	8.7	8.7	8.7	7.3
_4M	.	.	5.5	7.6	8.7	7.5	8.4	.
_5M	.	.	5.4	7.6	8.6	.	.	.
_6M	.	.	5.4	7.3	8.6	.	.	.
_7M	.	.	5.2	7.3	6.3	.	.	.
_8M	.	.	5.1	.	6.2	.	.	.
_9M	.	.	4.9	.	.	.	.	.
_10M	.	.	4.9	.	.	.	.	.
_11M	.	.	4.7	.	.	.	.	.
_12M	.	.	4.7	.	.	.	.	.
_13M	.	.	4.1	.	.	.	.	.

*COLLECTED ON NOVEMBER 23

---------- LOCATION=SH1 DATE=14DEC83 TYPE=DO ----------

DEPTH	D2	BK2	E2	H2	P2	Z1	V3	S2
_SUR	9.8	9.9	7.4	8.2	7.1	7.6	7.3	6.9
_1M	.	.	7.8	8.1	7.0	7.6	7.4	6.8
_2M	.	.	7.1	8.1	7.0	7.6	7.4	6.8
_3M	.	.	7.0	8.1	7.0	7.5	7.4	6.8
_4M	.	.	7.0	8.1	7.0	.	7.4	6.3
_5M	.	.	6.9	8.1	7.0	.	7.2	5.8
_6M	.	.	6.7	7.9	7.0	.	7.0	.
_7M	.	.	6.1	.	7.1	.	.	.
_8M	.	.	6.1	.	7.1	.	.	.
_9M	.	.	5.8	.	7.0	.	.	.
_10M	.	.	5.8	.	.	.	.	.
_11M	.	.	5.7	.	.	.	.	.
_12M	.	.	5.7	.	.	.	.	.
_13M	.	.	5.7	.	.	.	.	.

1983 HARRIS LAKE FIELD pH DATA

Station	Depth	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
E2	SUR	6.2	7.1	6.8	6.1	7.2	7.6	7.1	6.6	6.5	6.7	7.0	7.2
E2	BOT	6.2	6.8	--	6.1	--	6.3	6.9	6.7	6.6	6.7	--	7.1
H2	SUR	7.2	6.5	6.8	6.1	7.3	8.3	7.0	6.7	6.5	6.7	6.0	7.1
H2	BOT	7.0	6.4	6.8	6.0	6.6	6.4	6.5	6.2	6.2	6.7	6.9	7.3
P2	SUR	7.2	6.3	6.9	6.1	7.2	7.9	7.0	6.7	6.7	6.7	7.0	7.1
P2	BOT	7.1	6.5	6.9	6.1	6.4	6.8	6.7	6.4	6.5	6.7	7.0	7.3
S2	SUR	7.2	5.7	6.6	5.7	6.8	8.2	6.8	6.5	7.0	6.7	6.8	7.2
S2	BOT	7.0	5.6	6.3	5.4	6.3	6.1	6.3	6.4	6.6	6.7	6.4	6.9
V3	SUR	7.4	6.4	7.0	6.0	7.1	7.6	6.9	6.6	6.5	6.7	7.0	7.0
V3	BOT	7.0	6.3	6.9	6.0	6.3	6.6	6.7	6.2	6.6	6.7	7.0	6.9
Z1	SUR	6.2	7.2	7.0	6.6	7.3	7.1	7.1	7.0	7.0	6.7	7.0	7.2
Z1	BOT	6.2	7.1	7.1	6.5	6.5	6.2	6.5	6.3	6.9	--	6.5	7.2
D2	SUR	6.7	6.5	6.4	6.2	7.1	6.6	6.6	6.5	8.1	6.7	7.0	6.8
BK2	SUR	6.0	6.9	7.0	6.2	7.0	7.0	6.9	6.7	6.8	6.7	7.0	7.4

SUR = surface
BOT = bottom

1983 HARRIS LAKE FIELD SPECIFIC CONDUCTANCE DATA (umhos/cm)

Station	Depth	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
E2	SUR	89	170	43	40	60	40	70	70	60	120	169	49
E2	BOT	83	150	--	50	--	70	110	130	100	234	--	48
H2	SUR	90	190	41	50	60	60	70	50	70	83	163	43
H2	BOT	90	170	45	50	90	70	120	80	70	110	153	45
P2	SUR	100	190	43	50	50	60	30	70	70	115	159	47
P2	BOT	90	170	50	50	80	120	150	130	190	129	158	44
S2	SUR	90	170	30	10	50	50	50	80	80	114	156	38
S2	BOT	90	160	30	30	70	60	60	80	80	115	156	38
V3	SUR	100	190	47	50	70	50	70	80	50	114	160	50
V3	BOT	90	180	30	50	70	100	150	90	210	103	159	45
Z1	SUR	104	190	55	90	90	70	90	80	90	149	208	60
Z1	BOT	104	190	60	90	80	70	90	100	90	--	215	60
D2	SUR	120	180	35	70	90	90	140	150	210	200	--	50
BK2	SUR	54	180	49	50	60	60	30	60	70	100	165	45

SUR = surface
BOT = bottom

SURFACE WATER QUALITY SUMMARY STATISTICS FOR HARRIS LAKE DURING 1983

Station	Temperature (°C)			Dissolved Oxygen (mg/liter)			pH			Conductivity (μmhos/cm)		
	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min
BK2	16.4	26.6	5.5	8.2	11.7	4.3	6.6	7.4	6.0	69	180	30
D2	17.1	28.4	4.7	9.0	11.9	5.1	6.6	8.1	6.2	125	210	35
E2	17.2	29.1	5.7	8.1	10.1	5.5	6.6	7.6	6.1	82	170	40
H2	17.7	30.2	5.5	8.2	10.2	5.4	6.6	8.3	6.0	82	190	41
P2	17.4	30.0	5.3	8.4	10.4	6.7	6.7	7.9	6.1	83	190	30
S2	17.3	30.3	4.3	8.1	10.3	5.9	6.4	8.2	5.7	78	170	10
V3	18.0	30.5	4.9	8.6	10.3	6.3	6.6	7.6	6.0	87	190	47
Z1	17.8	29.6	5.2	8.7	11.1	6.1	6.8	7.3	6.2	107	208	55

MONTHLY SUMMARY STATISTICS FOR SURFACE TEMPERATURE
AND DISSOLVED OXYGEN DATA FOR HARRIS LAKE DURING 1983

Type	Month	Mean	Max	Min
T	JAN	6.8	8.8	4.3
T	FEB	6.2	7.1	5.7
T	MAR	12.6	13.9	11.0
T	APR	13.4	14.0	12.9
T	MAY	23.6	24.6	22.7
T	JUN	29.6	30.5	28.2
T	JUL	30.0	3.05	29.1
T	AUG	28.8	29.8	27.5
T	SEP	25.7	26.4	24.7
T	OCT	18.4	19.0	17.6
T	NOV	14.2	14.9	13.5
T	DEC	11.7	12.0	11.2
DO	JAN	8.7	9.4	7.4
DO	FEB	10.3	10.4	10.1
DO	MAR	9.7	10.1	8.5
DO	APR	8.5	9.3	7.3
DO	MAY	8.3	8.8	7.6
DO	JUN	9.0	9.4	8.2
DO	JUL	6.2	6.9	5.4
DO	AUG	6.7	7.8	5.5
DO	SEP	7.0	7.7	6.6
DO	OCT	8.2	9.0	7.7
DO	NOV	8.7	9.6	7.5
DO	DEC	7.4	8.2	6.9

T = Temperature (°C)

DO = Dissolved Oxygen (mg/liter)

MONTHLY SUMMARY STATISTICS FOR SURFACE pH AND SPECIFIC CONDUCTANCE DATA FOR HARRIS LAKE DURING 1983

Type	Month	Mean	Max	Min
pH	JAN	6.7	7.4	6.2
pH	FEB	6.2	7.1	5.7
pH	MAR	6.8	7.0	6.6
pH	APR	6.0	6.1	5.7
pH	MAY	7.1	7.3	6.8
pH	JUN	7.8	8.3	7.6
pH	JUL	7.0	7.1	6.8
pH	AUG	6.6	6.7	6.5
pH	SEP	6.6	7.0	6.5
pH	OCT	6.7	6.7	6.7
pH	NOV	6.5	7.0	6.0
pH	DEC	7.1	7.2	7.0
C	JAN	93	100	89
C	FEB	182	190	170
C	MAR	41	47	30
C	APR	40	50	10
C	MAY	58	70	50
C	JUN	52	60	40
C	JUL	58	70	30
C	AUG	70	80	50
C	SEP	66	80	50
C	OCT	109	120	83
C	NOV	161	169	156
C	DEC	45	50	38

C = specific conductance (μmhos/cm)

APPENDIX B

1983 Harris Lake Water Chemistry Data

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<< MONTH=JANUARY YEAR=1983 <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.5	7.5	7.4	7.4	7.4	7.4	7.3	7.2
TOTAL ALKALINITY (AS CACO3)	20	19	17	18	19	19	12	12
SPECIFIC CONDUCTANCE (UMHOS/CM)	71	72	71	71	75	74	67	67
HARDNESS (CALCULATED)	16	19	21	20	18	19	16	15
AMMONIA	0.37	0.38	0.39	0.42	0.42	0.42	0.28	0.28
TOTAL NITROGEN (AS N)	0.7	0.83	0.81	0.81	0.84	0.54	0.65	0.8
NITRATE/NITRITE (AS N)	0.2	0.2	0.2	0.2	0.18	0.17	0.21	0.21
TOTAL ORGANIC CARBON	7.9	8	7.7	7.6	8.3	8.3	8.1	8.1
DISSOLVED ORGANIC CARBON	6.9	7.9	7.4	7.7	7.7	8.4	8	8.1
TOTAL PHOSPHATE (AS P)	0.01	0.01	0.013	0.013	0.012	0.011	0.015	0.017
TOTAL DISSOLVED PHOSPHATE (AS P)	0.005	0.004	0.004	0.008	0.002	0.005	0.006	0.004
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.003	0.003	0.003	0.003	0.003	0.003	0.003	0.005
TOTAL SOLIDS @130C	65	67	36	78	77	85	82	79
TOTAL SUSPENDED SOLIDS @103C	13	4	3	2	6	8	5	5
TOTAL DISSOLVED SOLIDS @103C	44		38	58	34	70	42	34
SULFATE	5.8	5.9	5.4	5.6	5.7	5.8	7.5	7.2
CHLORIDE	5.5	5.6	5.6	5.7	5.7	5.7	6.2	6.5
TURBIDITY (NTU)	4.6	6.8	4.2	4.8	6.6	7.5	5.6	7.2
TOTAL ALUMINUM	0.07	0.08	0.05	0.06	0.08	0.08	0.06	0.07
DISSOLVED ALUMINUM	0.06	0.1	0.02	0.02	0.03	0.07	0.09	0.06
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.4	5.3	4.8	4.8	5.3	5.3	4.1	4.1
DISSOLVED CALCIUM	3.8	4.8	5	4.9	4.5	4.5	3.6	3.5
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.003	<0.001	0.001	0.002	<0.001	<0.001	<0.001	0.004
DISSOLVED COPPER	0.002		0.002	0.002				0.002
TOTAL IRON	1.1	1.1	0.92	0.97	1.2	1.2	0.83	0.88
DISSOLVED IRON	0.72	0.33	0.15	0.19	0.24	0.38	0.09	0.09
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002
DISSOLVED LEAD								0.002
TOTAL MAGNESIUM	2.1	2.1	1.9	1.5	1.9	2	1.9	1.8
DISSOLVED MAGNESIUM	1.5	1.8	2	1.8	1.7	1.8	1.6	1.5
TOTAL MANGANESE	0.22	0.23	0.14	0.14	0.2	0.21	0.06	0.08
DISSOLVED MANGANESE	0.12	0.16	0.1	0.1	0.14	0.14	0.05	0.05
TOTAL MERCURY	<0.0001	0.0004	<0.0001	<0.0001	<0.0001	0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.01
DISSOLVED NICKEL							0.01	0.01
DISSLOVED POTASSIUM	2.1	2.3	2.4	2.5	2.3	2.4	1.9	1.9
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.5	4.4	4.6	4.6	4.6	5	5.1	5.2
DISSOLVED SODIUM	4.5	4.9	5.5	5.2	5.1	4.7	4.9	4.8
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.4	7.4	7.4	7.3	7.4	7.5
TOTAL ALKALINITY (AS CACO3)	19	19	20	20	18	26
SPECIFIC CONDUCTANCE (UMHOS/CM)	76	78	88	89	67	116
HARDNESS (CALCULATED)	17	18	16	17	18	27
AMMONIA	0.34	0.33	0.11	0.13	0.18	0.18
TOTAL NITROGEN (AS N)	0.61	0.82	0.6	0.55	0.47	0.65
NITRATE/NITRITE (AS N)	0.22	0.24	0.08	0.09	0.18	0.85
TOTAL ORGANIC CARBON	8.1	8.2	8.2	8.1	5.5	5.4
DISSOLVED ORGANIC CARBON	8.4	8	7.6		5.8	
TOTAL PHOSPHATE (AS P)	0.015	0.018	0.011	0.011	0.013	0.18
TOTAL DISSOLVED PHOSPHATE (AS P)	0.004	0.006	0.002	0.002	0.004	0.13
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.004	0.004	0.002	0.003	0.004	0.13
TOTAL SOLIDS @130C	64	85	81	101	69	109
TOTAL SUSPENDED SOLIDS @103C	9	22	6	9	7	8
TOTAL DISSOLVED SOLIDS @103C	47	34	70	97	56	79
SULFATE	6.3	6.9	9.3	9.3	6.1	13
CHLORIDE	5.8	6	7.6	7.7	5.2	10
TURBIDITY (NTU)	14	30	20	20	6.2	24
TOTAL ALUMINUM	0.09	0.3	0.19	0.18	0.04	0.09
DISSOLVED ALUMINUM	0.1	0.15	0.14	0.08	0.08	0.08
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.6	6	5.9	5.9	4.9	7
DISSOLVED CALCIUM	4.1	4.3	3.9	4.3	4.4	6.3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	<0.001	<0.001	0.006	0.005	0.001	0.026
DISSOLVED COPPER			0.005	0.004	0.003	0.006
TOTAL IRON	1	1.2	0.72	0.77	0.89	0.73
DISSOLVED IRON	0.22	0.35	0.17	0.18	0.47	0.23
TOTAL LEAD	0.002	0.002	0.002	<0.002	<0.002	<0.002
DISSOLVED LEAD	0.003	0.004	0.006			
TOTAL MAGNESIUM	2.2	2	1.7	2.3	2.9	3.2
DISSOLVED MAGNESIUM	1.6	1.7	1.6	1.6	1.7	2.7
TOTAL MANGANESE	0.11	0.34	0.04	0.04	0.06	0.1
DISSOLVED MANGANESE	0.06	0.04	<0.02	<0.02	0.05	0.04
TOTAL MERCURY	0.0007	<0.0001	<0.0001	<0.0001	<0.0001	0.0004
TOTAL NICKEL	<0.01	0.01	0.01	<0.01	0.01	0.01
DISSOLVED NICKEL		0.01	0.01		0.01	0.01
DISSLOVED POTASSIUM	2.2	2.2	1.8	1.4	1.8	2.2
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	5.2	5.3	7.6	8	5.1	11
DISSOLVED SODIUM	4.5	4.4	6.5	6.8	5.4	12
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.5	7.4	7.4	7.2	7.2	7.5	6.5	6.5
TOTAL ALKALINITY (AS CACO3)	17	17	12	14	15	14	3.2	3
SPECIFIC CONDUCTANCE (UMHOS/CM)	68	68	61	64	66	65	41	41
HARDNESS (CALCULATED)	20	21	16	17	14	15	8	8
AMMONIA	0.05	0.05	0.17	0.22	0.19	0.28	0.03	0.03
TOTAL NITROGEN (AS N)	0.93	0.97	0.72	0.72	0.72	0.78	0.47	0.52
NITRATE/NITRITE (AS N)	0.2	0.2	0.24	0.26	0.25	0.24	0.08	0.11
TOTAL ORGANIC CARBON	7.9	7.6	7.2	7.3	8	8.2	8.9	9
DISSOLVED ORGANIC CARBON	7.8	7.8	7	6.8	7.5	7.3	6.8	6.6
TOTAL PHOSPHATE (AS P)	0.016	0.014	0.018	0.016	0.015	0.013	0.025	0.022
TOTAL DISSOLVED PHOSPHATE (AS P)	0.004	0.002	0.002	0.003	0.003	0.002	0.004	0.007
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.002
TOTAL SOLIDS @130C	38	54	69	48	64	62	84	57
TOTAL SUSPENDED SOLIDS @103C	16	12	8	13	7	1	13	11
TOTAL DISSOLVED SOLIDS @103C	44	25	33	14	17	18	33	28
SULFATE	6.5	6.3	6.7	6.5	7	6.9	8.8	8.8
CHLORIDE	5.4	5.4	5.2	5.3	5.5	5.5	4.2	4.2
TURBIDITY (NTU)	25	27	23	17	23	22	70	70
TOTAL ALUMINUM	0.17	0.15	0.11	0.1	0.14	0.15	0.39	0.36
DISSOLVED ALUMINUM	0.08	0.09	0.07	0.07	0.06	0.06	0.09	0.09
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.9	5	4.2	4.4	4.6	4.7	2.4	2.4
DISSOLVED CALCIUM	4.9	5	3.8	4.1	3.2	3.5	1.7	1.7
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.002	0.001	0.001	0.001	0.002	0.001	0.003	0.002
DISSOLVED COPPER	0.003	0.003	0.004	0.004	0.003	0.005	0.005	0.004
TOTAL IRON	1.1	1.1	0.75	0.85	0.98	0.97	0.77	0.72
DISSOLVED IRON	0.44	0.48	0.37	0.46	0.31	0.31	0.07	0.06
TOTAL LEAD	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002
DISSOLVED LEAD	<0.002							<0.002
TOTAL MAGNESIUM	1.9	2	1.6	1.7	1.8	1.9	2.5	2.5
DISSOLVED MAGNESIUM	1.9	2	1.5	1.6	1.4	1.5	0.87	0.89
TOTAL MANGANESE	0.16	0.16	0.09	0.1	0.11	0.11	0.08	0.09
DISSOLVED MANGANESE	0.12	0.12	0.05	0.07	0.05	0.06	0.04	0.05
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DISSOLVED NICKEL		<0.01						
DISSLOVED POTASSIUM	2.5	2.3	2.6	2.2	2.2	2.5	1.2	0.65
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.9	4.9	4.9	5	4.8	4.8	3.6	3.8
DISSOLVED SODIUM	4.8	5	4.8	4.8	4.5	4.6	3.4	3.4
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.02	0.02
DISSOLVED ZINC							<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.3	7.2	7.4	7.4	7.3	7
TOTAL ALKALINITY (AS CACO3)	16	15	18	18	16	7.6
SPECIFIC CONDUCTANCE (UMHOS/CM)	70	75	82	81	67	56
HARDNESS (CALCULATED)	16	19	21	19	21	14
AMMONIA	0.25	0.14	0.1	0.11	0.28	0.09
TOTAL NITROGEN (AS N)	0.42	0.47	0.49	0.45	0.82	0.81
NITRATE/NITRITE (AS N)	0.24	0.22	0.1	0.1	0.23	0.36
TOTAL ORGANIC CARBON	8.1	8	7.8	7.7	7.6	7.7
DISSOLVED ORGANIC CARBON	7.4	6.9	7.5	7.8	7.3	7.7
TOTAL PHOSPHATE (AS P)	0.035	0.078	0.009	0.024	0.017	
TOTAL DISSOLVED PHOSPHATE (AS P)	0.002	0.004	0.003	0.009	0.001	0.048
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.004	0.002	0.002	0.002	0.041
TOTAL SOLIDS @130C	65	175	55	76	80	142
TOTAL SUSPENDED SOLIDS @103C	13	80	8	16	21	83
TOTAL DISSOLVED SOLIDS @103C	44	41	59	30	62	97
SULFATE	7.8	8.1	9.4	9.4	6.8	7.6
CHLORIDE	6.1	5.7	7.6	7.6	5.3	4.6
TURBIDITY (NTU)	96	450	79	90	40	410
TOTAL ALUMINUM	0.37	0.87	0.37	0.32	0.18	0.89
DISSOLVED ALUMINUM	0.06	0.03	0.13	0.11	0.09	0.18
TOTAL ARSENIC	<0.001	0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC		<0.001				<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.2	6	5.6	5.6	4.9	3.8
DISSOLVED CALCIUM	3.8	4.7	5.1	4.5	5.1	3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.002	0.003	0.003	0.003	0.002	0.005
DISSOLVED COPPER	0.005	0.005	0.004	0.005	0.003	0.008
TOTAL IRON	1.1	1.3	0.7	0.78	1.1	1.4
DISSOLVED IRON	0.2	<0.05	0.2	0.17	0.49	0.19
TOTAL LEAD	0.002	0.005	0.002	<0.002	0.004	0.004
DISSOLVED LEAD	<0.002	<0.002	<0.002		0.006	<0.002
TOTAL MAGNESIUM	2.1	2.6	2.2	2.3	1.9	2
DISSOLVED MAGNESIUM	1.6	1.7	2	1.8	2	1.5
TOTAL MANGANESE	0.11	0.15	0.03	0.03	0.15	0.13
DISSOLVED MANGANESE	0.05	0.05	<0.02	<0.02	0.1	0.05
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
DISSOLVED NICKEL		<0.01				
DISSLOVED POTASSIUM	2.1	1.7	1.8	1.6	2.6	1.8
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	5	5.5	7.8	7.9	5	4.4
DISSOLVED SODIUM	5.2	5.4	8	7.8	5	4.4
TOTAL ZINC	<0.02	0.02	<0.02	<0.02	<0.02	0.02
DISSOLVED ZINC		<0.02				<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.2	7.5	7.1	7.4	7.4	7.3	6.7	6.9
TOTAL ALKALINITY (AS CACO3)	14	15	12	14	12	14	5.4	5.3
SPECIFIC CONDUCTANCE (UMHOS/CM)	67	67	60	62	65	65	45	45
HARDNESS (CALCULATED)	17	17	15	17	16	16	11	9
AMMONIA	0.17	0.16	0.06	0.07	0.15	0.15	0.11	0.11
TOTAL NITROGEN (AS N)	0.63	0.54	0.64	0.68	0.84	0.73	0.87	0.76
NITRATE/NITRITE (AS N)	0.29	0.3	0.33	0.36	0.3	0.3	0.19	0.17
TOTAL ORGANIC CARBON	7.8	7.9	7.3	8.2	8.4	8.4	10	11
DISSOLVED ORGANIC CARBON	8.1	3.2	7.1	7.5	8.9	8.8	11	12
TOTAL PHOSPHATE (AS P)	0.016	0.017	0.02	0.017	0.018	0.017	0.038	0.04
TOTAL DISSOLVED PHOSPHATE (AS P)	<0.004	0.006	0.005	0.005	0.007	0.005	0.008	0.008
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.004	0.003	0.004	0.004	0.003	0.003	0.003
TOTAL SOLIDS @130C	58	60	58	36	63	71	84	89
TOTAL SUSPENDED SOLIDS @103C	8	11	10	8	11	10	26	25
TOTAL DISSOLVED SOLIDS @103C	40	24	41	21	68	39	29	36
SULFATE	6.4	6.7	6.5	6.4	6.7	6.6	7.9	7.4
CHLORIDE	5.3	5.3	5	5.1	5.3	5.3	4.5	4.3
TURBIDITY (NTU)	7.2	7.6	7.5	5.6	7.8	7.7	26	27
TOTAL ALUMINUM	0.15	0.2	0.11	0.05	0.14	0.14	0.4	0.41
DISSOLVED ALUMINUM	0.08	0.08	0.06	0.06	0.11	0.07	0.1	0.1
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.5	4.6	3.9	4.2	4.4	4.5	2.7	2.7
DISSOLVED CALCIUM	4	4	3.7	4	3.9	3.9	2.4	2.1
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.004	0.004	0.004	0.002	0.002	0.002	0.002	0.003
DISSOLVED COPPER	0.005	0.005	0.005	0.005	0.002	0.005	0.005	0.007
TOTAL IRON	0.9	1	0.72	0.84	0.89	0.99	0.93	0.96
DISSOLVED IRON	0.28	0.26	0.22	0.24	0.33	0.27	0.21	0.24
TOTAL LEAD	<0.002	0.004	<0.002	0.002	<0.002	0.002	0.002	0.002
DISSOLVED LEAD		0.002		<0.002		<0.002	<0.002	<0.002
TOTAL MAGNESIUM	1.8	1.8	1.6	1.7	1.7	1.8	1.4	1.3
DISSOLVED MAGNESIUM	1.6	1.6	1.4	1.6	1.6	1.6	1.1	0.97
TOTAL MANGANESE	0.09	0.15	0.13	0.15	0.12	0.12	0.21	0.21
DISSOLVED MANGANESE	0.04	0.06	0.05	0.05	0.03	0.03	0.12	0.11
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	0.01	0.01	0.01	0.01	0.01	<0.01
DISSOLVED NICKEL			<0.01	<0.01	<0.01	<0.01	<0.01	
DISSLOVED POTASSIUM	1.8	2	1.4	1.5	1.9	1.5	0.72	1
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.7	5	4.7	4.8	4.7	4.7	3.6	4
DISSOLVED SODIUM	4.7	4.6	4.3	4.4	4.5	5	3.3	3.2
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.06	<0.02
DISSOLVED ZINC							<0.02	

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.4	7.4	7.4	7.5	7.2	7
TOTAL ALKALINITY (AS CACO3)	14	13	17	17	14	11
SPECIFIC CONDUCTANCE (UMHOS/CM)	66	66	80	80	66	55
HARDNESS (CALCULATED)	17	17	19	19	15	13
AMMONIA	0.1	0.1	0.05	0.06	0.13	0.08
TOTAL NITROGEN (AS N)	0.93	0.75	0.47	0.49	0.57	0.79
NITRATE/NITRITE (AS N)	0.27	0.3	0.11	0.12	0.27	0.39
TOTAL ORGANIC CARBON	8.4	7.7	8.6	8.3	7.5	9.3
DISSOLVED ORGANIC CARBON	9.1		9.1	8.9	7.6	9
TOTAL PHOSPHATE (AS P)	0.035	0.082	0.023	0.048	0.018	0.17
TOTAL DISSOLVED PHOSPHATE (AS P)	0.006	0.007	0.008	0.008	<0.004	0.035
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.003	<0.005	0.003	0.005	0.002	0.036
TOTAL SOLIDS @130C	94	174	93	123	72	127
TOTAL SUSPENDED SOLIDS @103C	21	98	21	72	11	61
TOTAL DISSOLVED SOLIDS @103C	25	6	34	38	40	135
SULFATE	7.7	6.9	9.2	9.8	6.6	7.3
CHLORIDE	5.5	5	7	7.3	5.1	3.8
TURBIDITY (NTU)	25	137	27	62	8.8	73
TOTAL ALUMINUM	0.35	1.2	0.36	0.64	0.19	0.81
DISSOLVED ALUMINUM	0.06	0.06	0.06	0.08	0.09	0.12
TOTAL ARSENIC	0.001	0.001	<0.001	0.001	<0.001	0.001
DISSOLVED ARSENIC	0.001	0.001		0.001		<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.6	4.7	5.3	5.6	4.4	3.7
DISSOLVED CALCIUM	4.2	4.1	4.7	4.8	3.7	3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.004	0.004	0.002	0.003	0.004	0.007
DISSOLVED COPPER	0.005	0.006	0.006	0.005	0.006	0.01
TOTAL IRON	0.93	1.4	0.75	0.98	1	1.4
DISSOLVED IRON	0.19	0.17	0.13	0.21	0.3	0.24
TOTAL LEAD	0.002	0.002	<0.002	0.002	<0.002	0.004
DISSOLVED LEAD	<0.002	<0.002		<0.002		<0.002
TOTAL MAGNESIUM	2	2.4	2	2.2	1.8	1.9
DISSOLVED MAGNESIUM	1.7	1.6	1.8	1.8	1.5	1.4
TOTAL MANGANESE	0.13	0.2	0.05	0.12	0.1	0.11
DISSOLVED MANGANESE	0.03	0.05	<0.02	<0.02	0.03	0.02
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.01	0.01	0.01	0.01	<0.01	0.01
DISSOLVED NICKEL	<0.01	<0.01	<0.01	0.02		0.01
DISSLOVED POTASSIUM	2	1.7	1.9	1.7	1.6	1.5
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.8	4.9	7.2	7.2	4.8	3.8
DISSOLVED SODIUM	4.4	4.4	6.6	6.6	4.4	3.4
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.3	7.5	7.2	7.2	7.2	7.2	6.8	6.8
TOTAL ALKALINITY (AS CACO3)	14	13	12	12	12	12	6.2	5.8
SPECIFIC CONDUCTANCE (UMHOS/CM)	61	61	58	58	60	62	41	38
HARDNESS (CALCULATED)	15	15	15	13	14	15	10	9
AMMONIA	0.08	0.09	0.05	0.06	0.07	0.08	0.04	0.04
TOTAL NITROGEN (AS N)	0.51	0.63	0.3	0.55	0.48	0.46	0.41	0.44
NITRATE/NITRITE (AS N)	0.29	0.28	0.25	0.24	0.26	0.26	0.06	0.05
TOTAL ORGANIC CARBON	7.3	7.2	7	7	7.7	7.7	10	11
DISSOLVED ORGANIC CARBON	7.3	7.3	7	7	7.8	7.7	11	11
TOTAL PHOSPHATE (AS P)	0.015	0.024	0.019	0.03	0.024	0.025	0.038	0.045
TOTAL DISSOLVED PHOSPHATE (AS P)	0.006	0.006	0.006	0.005	0.01	0.009	0.004	0.009
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.003	0.004	0.003	0.003	0.002	0.004	0.004
TOTAL SOLIDS @130C	69	111	85	87	49	55	94	99
TOTAL SUSPENDED SOLIDS @103C	7	37	6	17	5	4	19	14
TOTAL DISSOLVED SOLIDS @103C	35	49	33	50	49	33	39	45
SULFATE	6.5	6	5.6	5.5	6	6.5	5.7	5.6
CHLORIDE	4.9	4.9	4.7	4.6	4.9	5	3.7	3.4
TURBIDITY (NTU)	4	15	6.2	13	5.8	6.8	23	33
TOTAL ALUMINUM	0.14	0.39	0.13	0.22	0.15	0.18	0.41	0.49
DISSOLVED ALUMINUM	0.12	0.12	0.12	0.1	0.12	0.13	0.17	0.18
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC								<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.6	4.8	4.2	4.1	4.4	4.4	2.9	2.8
DISSOLVED CALCIUM	3.6	3.6	3.5	3.1	3.4	3.5	2.3	2
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.001	0.002	0.001	0.035	0.001	0.001	0.002	0.002
DISSOLVED COPPER				0.005				
TOTAL IRON	0.84	1.4	0.83	1	0.9	0.94	1.4	1.6
DISSOLVED IRON	0.36	0.34	0.26	0.21	0.31	0.33	0.23	0.22
TOTAL LEAD	<0.002	<0.002	0.008	<0.002	<0.002	<0.002	0.002	<0.002
DISSOLVED LEAD			<0.002				<0.002	
TOTAL MAGNESIUM	1.8	1.9	1.6	1.6	1.7	1.7	1.2	1.2
DISSOLVED MAGNESIUM	1.4	1.4	1.4	1.3	1.4	1.5	1	0.88
TOTAL MANGANESE	0.17	0.37	0.26	0.63	0.28	0.26	0.44	0.54
DISSOLVED MANGANESE	0.1	0.12	0.17	0.2	0.19	0.18	0.3	0.25
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DISSLOVED POTASSIUM	1.8	1.8	1.7	1.6	1.7	1.7	0.99	0.9
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	5.2	5.2	5	5	5	5	3.9	3.6
DISSOLVED SODIUM	4.9	4.9	4.9	4.6	4.7	4.7	3.7	3.4
TOTAL ZINC	0.18	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
DISSOLVED ZINC	0.02							

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.2	7.1	7.3	7.3	7.3	7.3
TOTAL ALKALINITY (AS CACO3)	13	12	16	17	13	16
SPECIFIC CONDUCTANCE (UMHOS/CM)	64	63	75	78	58	72
HARDNESS (CALCULATED)	16	15	17	16	14	18
AMMONIA	0.07	0.08	0.03	0.03	0.07	0.1
TOTAL NITROGEN (AS N)	0.48	0.65	0.58	0.75	0.46	0.54
NITRATE/NITRITE (AS N)	0.24	0.24	0.1	0.1	0.29	0.4
TOTAL ORGANIC CARBON	7.3	7.7	7.7	7.6	7	5.6
DISSOLVED ORGANIC CARBON	7.8	8	8.2	8.3	7.3	6
TOTAL PHOSPHATE (AS P)	0.046	0.059	0.025	0.034	0.018	0.13
TOTAL DISSOLVED PHOSPHATE (AS P)	0.01	0.011	0.008	0.005	0.004	0.036
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.005	0.004	0.002	0.003	0.003	0.039
TOTAL SOLIDS @130C	78	83	65	262	73	135
TOTAL SUSPENDED SOLIDS @103C	26	35	10	242	8	32
TOTAL DISSOLVED SOLIDS @103C	44	43	43	16	56	76
SULFATE	6.4	6.3	8.8	10	6.3	8
CHLORIDE	5	4.9	6.6	6.3	4.8	4.9
TURBIDITY (NTU)	40	44	17	1.96	5.6	66
TOTAL ALUMINUM	0.45	0.47	0.27	1.9	0.13	0.7
DISSOLVED ALUMINUM	0.12	0.14	0.13	0.11	0.08	0.15
TOTAL ARSENIC	0.001	0.001	<0.001	0.002	<0.001	0.001
DISSOLVED ARSENIC	<0.001	<0.001		<0.001		<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.8	4.9	5.5	6.4	4.4	5.4
DISSOLVED CALCIUM	3.7	3.6	4.1	3.9	3.4	4.1
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.001	<0.001	<0.001	0.003	0.001	0.004
TOTAL IRON	1.2	1.4	0.85	3.4	0.85	1.5
DISSOLVED IRON	0.21	0.27	0.18	0.13	0.2	0.13
TOTAL LEAD	0.002	0.002	0.002	0.005	<0.002	0.002
DISSOLVED LEAD	<0.002	<0.002	0.005	<0.002		<0.002
TOTAL MAGNESIUM	1.9	1.9	2.1	3	1.7	2.3
DISSOLVED MAGNESIUM	1.6	1.5	1.7	1.6	1.4	1.8
TOTAL MANGANESE	0.26	0.42	0.04	0.67	0.14	0.08
DISSOLVED MANGANESE	0.16	0.18	<0.02	<0.02	0.06	0.02
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	0.02	<0.01	<0.01
DISSOLVED NICKEL				<0.01		
DISSLOVED POTASSIUM	1.7	1.7	1.6	1.7	1.7	1.7
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	5.2	5.1	7.3	7.4	5.1	6.1
DISSOLVED SODIUM	4.8	4.8	6.9	6.9	4.5	5.4
TOTAL ZINC	<0.02	<0.02	<0.02	0.13	<0.02	<0.02
DISSOLVED ZINC				<0.02		

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.2	7.3	7.3	7.2	7.3	7.2	7.2	7.1
TOTAL ALKALINITY (AS CACO3)	12	14	13	26	13	17	12	19
SPECIFIC CONDUCTANCE (UMHOS/CM)	55	59	57	71	58	66	55	64
HARDNESS (CALCULATED)	17	18	17	19	18	19	16	18
AMMONIA	0.04	0.06	<0.02	0.47	<0.02	0.15	0.03	0.26
TOTAL NITROGEN (AS N)	0.38	0.42	0.42	1.1	0.44	0.58	0.53	0.69
NITRATE/NITRITE (AS N)	0.29	0.24	0.18	0.05	0.24	0.27	0.13	0.05
TOTAL ORGANIC CARBON	8.7	9.5	8.8	9	7.8	8.5	8	9.3
DISSOLVED ORGANIC CARBON	7.8	8.1	8.2	8	8.1	8.5	8.6	
TOTAL PHOSPHATE (AS P)	0.009	0.01	0.011	0.045	0.012	0.025	0.022	0.024
TOTAL DISSOLVED PHOSPHATE (AS P)	0.008	0.009	0.005	0.021	0.009	0.01	0.011	0.01
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.003	0.002	0.002	0.002	0.003	0.002	0.002
TOTAL SOLIDS @130C	73	67	75	131	56	64	43	66
TOTAL SUSPENDED SOLIDS @103C	2	1	<1	57	<1	<1	<1	11
TOTAL DISSOLVED SOLIDS @103C	55	38	50	88	60	24	13	20
SULFATE	6.7	6.8	6.5	5	6.8	6.8	6.3	5.3
CHLORIDE	4.8	5.1	4.7	4.5	4.9	5	4.8	5
TURBIDITY (NTU)	2.3	5	2.8	8.6	1.9	3.6	3.4	6.5
TOTAL ALUMINUM	0.05	0.09	0.03	0.41	0.03	0.06	0.04	0.11
DISSOLVED ALUMINUM	0.05	0.04	0.02	0.02	0.04	0.09	0.06	0.03
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC								0.001
TOTAL CADMIUM	<0.001	0.001	<0.001	0.006	0.006	0.002	0.001	0.001
DISSOLVED CADMIUM		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.3	4.4	4.3	5.2	4.2	4.8	4	4.4
DISSOLVED CALCIUM	4.2	4.3	4.1	4.9	4.3	4.8	3.9	4.3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.002	0.002	0.003	0.009	0.005	0.002	0.003	0.003
DISSOLVED COPPER	0.004	0.002	0.002	0.004	0.002	0.004		
TOTAL IRON	0.57	0.85	0.53	4.5	0.58	0.96	0.91	2.4
DISSOLVED IRON	0.3	0.42	0.24	0.24	0.28	0.31	0.47	0.48
TOTAL LEAD	<0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	<0.002
DISSOLVED LEAD				<0.002				
TOTAL MAGNESIUM	1.7	1.7	1.7	1.8	1.6	1.8	1.6	1.7
DISSOLVED MAGNESIUM	1.6	1.7	1.6	1.7	1.7	1.8	1.6	1.7
TOTAL MANGANESE	0.07	0.41	0.09	4.1	0.09	1.3	0.16	2.6
DISSOLVED MANGANESE	<0.02	0.34	<0.02	3.8	<0.02	1.1	<0.02	2.3
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.01	0.01	0.02	<0.01	0.01	0.02	0.01	0.03
DISSOLVED NICKEL	0.01	0.01	0.01		0.01	0.01	0.01	0.01
DISSLOVED POTASSIUM	1.9	1.6	2.1	2.3	2.1	2	1.5	2
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.2	4.2	4.2	4.2	4.1	4.2	4	4.1
DISSOLVED SODIUM	4	4	4.3	4.4	4.3	4.2	4.1	4
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.3	7.1	7.5	7.3	7.4	7.5
TOTAL ALKALINITY (AS CACO3)	13	16	19	20	12	22
SPECIFIC CONDUCTANCE (UMHOS/CM)	60	65	79	80	59	93
HARDNESS (CALCULATED)	18	19	22	22	17	25
AMMONIA	<0.02	0.05	<0.02	<0.02	0.02	0.08
TOTAL NITROGEN (AS N)	0.39	0.34	0.31	0.46	0.39	0.81
NITRATE/NITRITE (AS N)	0.2	0.2	0.04	0.09	0.25	0.74
TOTAL ORGANIC CARBON	8.5	8	9.5	8.8	7.7	7
DISSOLVED ORGANIC CARBON	8.1	7.7	10		8.4	
TOTAL PHOSPHATE (AS P)	0.023	0.083	0.023	0.024	0.016	0.11
TOTAL DISSOLVED PHOSPHATE (AS P)	0.012	<0.002	0.006	0.004	0.006	0.061
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.003	0.003	0.003	<0.002	
TOTAL SOLIDS @130C	52	212	94	97	83	141
TOTAL SUSPENDED SOLIDS @103C	6	120	<1	10	<1	25
TOTAL DISSOLVED SOLIDS @103C	44	84	52	63	59	82
SULFATE	7.1	6.2	8.7	9.3	6.6	12
CHLORIDE	5.6	5.1	6.6	6.8	4.8	7.6
TURBIDITY (NTU)	12.7	141	10	22	3.7	44
TOTAL ALUMINUM	0.2	1.8	0.14	0.27	0.13	0.52
DISSOLVED ALUMINUM	0.05	0.05	0.05	0.07	0.07	0.24
TOTAL ARSENIC	<0.001	0.002	<0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC		0.001				<0.001
TOTAL CADMIUM	0.002	<0.001	<0.001	<0.001	0.001	<0.001
DISSOLVED CADMIUM	<0.001				<0.001	
TOTAL CALCIUM	4.5	5.6	5.6	5.9	4	6.2
DISSOLVED CALCIUM	4.4	4.7	5.4	5.6	4	5.9
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.004	0.004	0.001	<0.001	0.001	0.002
DISSOLVED COPPER	0.004	0.006	0.003			
TOTAL IRON	0.65	2.4	0.38	0.55	0.65	0.75
DISSOLVED IRON	0.21	0.17	0.14	0.19	0.31	0.18
TOTAL LEAD	0.002	0.004	<0.002	<0.002	0.002	0.002
DISSOLVED LEAD	<0.002	<0.002			<0.002	<0.002
TOTAL MAGNESIUM	1.7	2.4	2.1	2.1	1.6	2.7
DISSOLVED MAGNESIUM	1.7	1.8	2	2	1.6	2.5
TOTAL MANGANESE	0.09	0.71	0.04	0.18	0.1	0.19
DISSOLVED MANGANESE	<0.02	0.41	<0.02	0.11	0.05	0.07
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.01	0.01	<0.01	<0.01	<0.01	<0.01
DISSOLVED NICKEL	0.01	0.01				
DISSLOVED POTASSIUM	1.8	1.7	1.7	1.4	1.8	2.4
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.3	4.2	6.7	6.9	4	8.1
DISSOLVED SODIUM	4.2	4.4	6.4	6.5	4	8
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	0.02
DISSOLVED ZINC						<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.3	7.2	7.2	7.2	7.2	7.6	7.2	7.1
TOTAL ALKALINITY (AS CACO3)	14	2.1	14	30	14	32	14	18
SPECIFIC CONDUCTANCE (UMHOS/CM)	57	68	57	73	60	83	63	62
HARDNESS (CALCULATED)	18	19	18	18	18	21	17	18
AMMONIA	<0.02	0.05	<0.02	0.48	<0.02	0.31	<0.02	0.04
TOTAL NITROGEN (AS N)	0.51	1.06	0.39	0.79	0.38	0.79	0.52	0.56
NITRATE/NITRITE (AS N)	0.04	0.29	0.02	0.02	0.04	0.02	0.02	0.02
TOTAL ORGANIC CARBON	8.4	8.1	9.2	9.3	8.6	9.5	5	6.1
DISSOLVED ORGANIC CARBON		8.8	9.3	8.3	9.5	9.5		
TOTAL PHOSPHATE (AS P)	0.02	0.022	0.019	0.05	0.016	0.029	0.026	0.046
TOTAL DISSOLVED PHOSPHATE (AS P)	0.007	0.011	0.006	0.01	0.009	0.009	0.009	0.012
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.002	<0.002	<0.002	0.003	<0.002	<0.002	<0.002	<0.002
TOTAL SOLIDS @130C	60	61	58	102	51	76	58	65
TOTAL SUSPENDED SOLIDS @103C	<1	<1	3	28	4	11	2	2
TOTAL DISSOLVED SOLIDS @103C	65	61	55	61	47	58	64	52
SULFATE	6.1	6.4	6.1	5.6	6	7.3	5.9	5
CHLORIDE	5	5	5	5	5	5.3	5	5.1
TURBIDITY (NTU)	2.3	3.1	2	24	1.9	8	2.1	2.8
TOTAL ALUMINUM	0.03	0.08	0.03	0.18	0.05	0.07	0.01	0.04
DISSOLVED ALUMINUM	0.02		0.04	0.05	0.02	0.01	0.02	0.01
TOTAL ARSENIC	0.001	<0.001	<0.001	0.001	<0.001	0.001	<0.001	0.001
DISSOLVED ARSENIC	<0.001			0.001		<0.001		<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.2	5.1	4.5	5	4.5	5.6	4.4	4.6
DISSOLVED CALCIUM	4.4	4.8	4.6	4.7	4.4	5.3	4.3	4.4
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.003	0.002
DISSOLVED COPPER							0.001	0.001
TOTAL IRON	0.4	0.8	0.44	5.7	0.43	5	0.51	1
DISSOLVED IRON	0.19	0.43	0.19	0.52	0.17	0.37	0.27	0.14
TOTAL LEAD	0.002	<0.002	<0.002	0.002	<0.002	<0.002	<0.002	0.002
DISSOLVED LEAD	<0.002			0.002				<0.002
TOTAL MAGNESIUM	1.6	1.8	1.7	1.6	1.7	1.9	1.7	1.7
DISSOLVED MAGNESIUM	1.7	1.7	1.7	1.6	1.6	1.9	1.6	1.7
TOTAL MANGANESE	0.13	1.9	0.12	3.9	0.13	5.5	0.14	2
DISSOLVED MANGANESE	<0.02	1.8	<0.02	3.6	<0.02	5.3	<0.02	1.7
TOTAL MERCURY	0.0004	<0.0001	<0.0001	<0.0001	<0.0001	0.0003	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01
DISSOLVED NICKEL				<0.01				
DISSLOVED POTASSIUM	1.8	1.9	1.8	1.9	1.8	2	1.8	1.9
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.1	4.2	4.4	4.4	4.6	4.3	4.4	4.3
DISSOLVED SODIUM	4.1	4.3	4.2	4.2	4.4	4.5	4.4	4.4
TOTAL ZINC	0.02	0.02	<0.02	0.02	0.02	<0.02	0.02	<0.02
DISSOLVED ZINC	0.03			<0.02	<0.02		<0.02	

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.1	7.4	7.4	7.4	7.2	7.4
TOTAL ALKALINITY (AS CACO3)	15	34	20	22	15	31
SPECIFIC CONDUCTANCE (UMHOS/CM)	60	87	82	81	58	130
HARDNESS (CALCULATED)	17	29	23	23	16	29
AMMONIA	<0.02	0.13	0.03	<0.02	0.07	<0.02
TOTAL NITROGEN (AS N)	0.46	0.8	0.4	0.46	0.36	0.7
NITRATE/NITRITE (AS N)	0.03	0.02	0.03	0.03	0.09	0.97
TOTAL ORGANIC CARBON	8.2	5.9	7.9	9	7.4	4.8
TOTAL PHOSPHATE (AS P)	0.019	0.061	0.02	0.025	0.03	0.24
TOTAL DISSOLVED PHOSPHATE (AS P)	0.008	0.008	0.008	0.008	0.013	0.142
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.002	<0.002	<0.002	<0.002	0.006	0.12
TOTAL SOLIDS @130C	62	132	63	65	56	112
TOTAL SUSPENDED SOLIDS @103C	4	49	<1	1	3	7
TOTAL DISSOLVED SOLIDS @103C	64	87	69	53	57	101
SULFATE	6.1	4.8	8	8.2	5.9	13
CHLORIDE	5.1	5.4	6.6	6.6	4.8	13
TURBIDITY (NTU)	2.4	84	1.3	2.6	4.5	8.5
TOTAL ALUMINUM	0.03	0.5	0.06	0.05	0.13	0.15
DISSOLVED ALUMINUM	0.05	0.07	0.03	0.03	0.06	0.03
TOTAL ARSENIC	0.001	0.002	0.001	0.001	0.001	0.001
DISSOLVED ARSENIC	<0.001	0.001	<0.001	<0.001	<0.001	0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.9	8.2	6.7	6.3	4.2	7.5
DISSOLVED CALCIUM	4.3	7.4	5.8	5.8	3.8	6.8
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.002	0.004	0.002	0.001	0.003	0.003
DISSOLVED COPPER	0.001	0.003	0.001	0.003	0.001	0.003
TOTAL IRON	0.45	3.3	0.35	0.38	0.74	0.97
DISSOLVED IRON	0.29	0.15	0.25	0.18	0.37	0.22
TOTAL LEAD	0.002	0.002	<0.002	<0.002	<0.002	<0.002
DISSOLVED LEAD	<0.002	0.002				
TOTAL MAGNESIUM	1.8	2.8	2.3	2.2	1.8	3.2
DISSOLVED MAGNESIUM	1.6	2.5	2.1	2	1.7	2.9
TOTAL MANGANESE	0.11	4.2	0.04	0.36	0.22	0.42
DISSOLVED MANGANESE	<0.02	3.8	0.02	0.21	0.19	0.22
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
DISSOLVED NICKEL						0.01
DISSLOVED POTASSIUM	1.9	2	2	1.9	1.8	2.6
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.3	5.1	8.2	8.1	5.4	17
DISSOLVED SODIUM	4.5	4.8	8	8	5.5	17
TOTAL ZINC	<0.02	0.02	0.02	<0.02	0.02	<0.02
DISSOLVED ZINC		<0.02	0.02		0.02	

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.4	7.8	7.3	7.5	7.3	7.7	7.3	7.3
TOTAL ALKALINITY (AS CACO3)	16	57	15	30	16	45	16	17
SPECIFIC CONDUCTANCE (UMHOS/CM)	61	103	59	75	62	100	63	63
HARDNESS (CALCULATED)	21	35	21	24	21	31	21	21
TOTAL NITROGEN (AS N)	0.71	1.9	0.52	0.87	0.49	1.3	0.29	0.46
NITRATE/NITRITE (AS N)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.01	0.02
TOTAL ORGANIC CARBON	8	10	8	7.8	8.1	11	8.6	8.3
DISSOLVED ORGANIC CARBON	7.6	11	7.7	7	7.7	9.4		
TOTAL PHOSPHATE (AS P)	0.017	0.08	0.023	0.032	0.019	0.033	0.03	0.037
TOTAL DISSOLVED PHOSPHATE (AS P)	0.003	0.019	0.005	0.007	0.005	0.005	0.003	0.004
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	0.015	<0.001	0.001	<0.001	0.002	<0.001	<0.001
TOTAL SOLIDS @130C	49	147	70	81	62	112	75	81
TOTAL SUSPENDED SOLIDS @103C	1	26	8	20	9	50	11	21
TOTAL DISSOLVED SOLIDS @103C	48	76	71	48	41	64	54	51
SULFATE	5.2	2.5	5	3.7	5	1.9	4.7	4.9
CHLORIDE	5	5.4	4.9	5	5	5.6	5.2	5.1
TURBIDITY (NTU)	1.9	15.5	1.6	10.2	2.5	20	4.6	4
TOTAL ALUMINUM	0.04	0.16	0.04	0.12	0.04	0.05	0.04	0.05
DISSOLVED ALUMINUM	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01
TOTAL ARSENIC	<0.001	0.003	<0.001	0.001	<0.001	0.004	<0.001	<0.001
DISSOLVED ARSENIC		0.001		<0.001		0.001		
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.4	10	5.3	6.9	5.2	7.3	5.5	5.6
DISSOLVED CALCIUM	5.4	9.2	5	6.4	5.2	8.3	5.2	5.2
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.004	0.004	0.003	0.004	0.003	0.001	0.003	0.002
DISSOLVED COPPER	0.002	0.001	0.002	0.001	0.001	0.001	0.001	0.004
TOTAL IRON	0.24	11	0.2	4.7	0.25	8	0.43	0.48
DISSOLVED IRON	0.16	3.8	0.13	0.72	0.12	3.3	0.12	0.1
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
TOTAL MAGNESIUM	1.2	3.1	2	2.1	2	2.4	2.1	2.1
DISSOLVED MAGNESIUM	1.9	2.9	2	2	1.9	2.6	2	2
TOTAL MANGANESE	0.09	12	0.04	4.7	0.11	<0.02	0.23	1.1
DISSOLVED MANGANESE	0.02	11	<0.02	4.2	<0.02		0.03	0.84
TOTAL MERCURY	0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.02	0.03	0.02	0.01	0.01	0.01	0.02	0.01
DISSOLVED NICKEL	0.01	0.01	0.02	0.01	0.01	0.01	0.01	<0.01
DISSLOVED POTASSIUM	2.2	2.9	2.2	2.3	2.2	2.8	2.2	2.2
TOTAL SELENIUM	<0.001	<0.001	<0.001	0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED SELENIUM				<0.001				
TOTAL SODIUM	5.4	5.8	5.2	5.3	5.3	5.3	5.5	5.2
DISSOLVED SODIUM	5.1	5.6	5.1	5.2	5.1	5.4	5.3	5.1
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.3	7.7	7.5	7.5	7.5	7.7
TOTAL ALKALINITY (AS CACO3)	15	47	22	22	24	38
SPECIFIC CONDUCTANCE (UMHOS/CM)	63	105	85	85	63	120
HARDNESS (CALCULATED)	18	37	27	28	21	35
TOTAL NITROGEN (AS N)	0.45	0.54			0.26	3.7
NITRATE/NITRITE (AS N)	<0.01	0.01	0.02	0.03	0.08	0.26
TOTAL ORGANIC CARBON	7.8	9.6	9.2	9.2	4	6.2
DISSOLVED ORGANIC CARBON			9.4	9.4	4.1	6.4
TOTAL PHOSPHATE (AS P)	0.018	0.039	0.012	0.014	0.03	0.28
TOTAL DISSOLVED PHOSPHATE (AS P)	0.004	0.004	0.002	0.003	0.013	0.13
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	<0.001	<0.001	<0.001	0.01	0.11
TOTAL SOLIDS @130C	66	138	72	68	91	130
TOTAL SUSPENDED SOLIDS @103C	9	52	8	2	2	27
TOTAL DISSOLVED SOLIDS @103C	57	75	59	66	82	103
SULFATE	5.2	3.6	7.2	7.5	3.8	13
CHLORIDE	5	5.5	6.8	6.8	4.2	9
TURBIDITY (NTU)	4.4	80	1.7	2.2	5	34
TOTAL ALUMINUM	0.05	0.58	0.04	0.04	0.04	0.46
DISSOLVED ALUMINUM	0.01	0.01	0.01	0.01	0.01	0.02
TOTAL ARSENIC	<0.001	0.003	0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC		0.001	<0.001			0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.4	10	7	6.9	5.1	9.4
DISSOLVED CALCIUM	5.2	9.6	6.7	7	4.8	8.5
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.003	0.003	0.004	0.003	<0.001	0.004
DISSOLVED COPPER	0.002	0.001	0.001	0.001		0.005
TOTAL IRON	0.25	7.6	0.32	0.34	1.1	3.9
DISSOLVED IRON	0.13	1.4	0.09	<0.05	0.24	0.68
TOTAL LEAD	<0.002	<0.002	<0.002	0.002	<0.002	0.005
DISSOLVED LEAD				0.003		0.004
TOTAL MAGNESIUM	2	3.3	2.5	2.5	2.3	3.6
DISSOLVED MAGNESIUM	1.2	3.1	2.4	2.5	2.2	3.3
TOTAL MANGANESE	0.1	6	0.05	0.06	0.36	2.1
DISSOLVED MANGANESE	<0.02	5.5	<0.02	<0.02	0.3	1.6
TOTAL MERCURY	0.0001	<0.0001	<0.0001	<0.0001	0.0001	0.0002
TOTAL NICKEL	0.01	0.01	<0.01	<0.01	0.02	<0.01
DISSOLVED NICKEL	<0.01	0.01			0.01	
DISSLOVED POTASSIUM	2.2	2.5	2.3	2.4	1.8	3.2
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	5.1	5.8	7.8	7.8	6.9	14
DISSOLVED SODIUM	5.1	5.6	7.8	7.9	6.8	13
TOTAL ZINC	<0.02	0.03	<0.02	<0.02	<0.02	<0.02
DISSOLVED ZINC		<0.02				

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH			7.2	7.2	7.3	7.6	7.4	7.5
TOTAL ALKALINITY (AS CACO3)			36	17	16	33	17	17
SPECIFIC CONDUCTANCE (UMHOS/CM)	59	68	59	61	60	83	61	61
HARDNESS (CALCULATED)	22	28	22	22	20	28	24	24
AMMONIA	<0.02	0.54	<0.02	<0.02	<0.02	0.26	<0.02	<0.02
TOTAL NITROGEN (AS N)	0.15	0.64	0.15	0.1	0.06	0.22	0.17	0.17
NITRATE/NITRITE (AS N)	0.04	0.02	0.03	0.03	0.04	0.03	0.03	0.03
TOTAL ORGANIC CARBON	6.3	9.9	7.7	7.7	7.9	8.6	8.1	8
DISSOLVED ORGANIC CARBON		8.3	7.5	6.8	7.4	8.9	7.4	
TOTAL PHOSPHATE (AS P)	0.006	0.011	0.008	0.009	0.007	0.01	0.008	0.011
TOTAL DISSOLVED PHOSPHATE (AS P)	0.003	0.005	0.003	0.001	<0.001	0.002	0.007	0.006
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	0.004	<0.001	<0.001	<0.001	0.001	0.006	<0.001
TOTAL SOLIDS @130C	95	109	69	58	60	108	92	114
TOTAL SUSPENDED SOLIDS @103C	4	10	2	24	6	14	7	5
TOTAL DISSOLVED SOLIDS @103C	77	98	38	18	67	98	75	58
SULFATE	4.3	6.8	2.4	3.9	4.4	4.4	3.2	4
CHLORIDE	5	5.4	5.4	5	5.1	5.2	5.2	5.2
TURBIDITY (NTU)	8	12	2.9	2.7	2.6	5	4	4.7
TOTAL ALUMINUM	0.03	0.09	0.01	0.01	0.01	0.04	0.02	0.02
DISSOLVED ALUMINUM	0.03	0.05	0.01	0.02	0.03	0.05	0.04	
TOTAL ARSENIC	<0.001	0.002	<0.001	<0.001	<0.001	0.001	<0.001	<0.001
DISSOLVED ARSENIC		0.001				<0.001		
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.9	6.5	4.6	5.6	5.4	7.5	5.3	5.1
DISSOLVED CALCIUM	5.3	7.4	5.4	5.4	4.9	7.4	5.8	5.9
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.001	0.004	0.002	0.002	0.002	0.002	0.001	0.001
DISSOLVED COPPER	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001
TOTAL IRON	0.14	6	0.18	0.21	0.16	3.3	0.45	0.37
DISSOLVED IRON	0.05	2.7	<0.05	<0.05	<0.05	2.6	0.05	0.08
TOTAL LEAD	0.002	0.002	0.002	<0.002	0.002	<0.002	<0.002	0.002
DISSOLVED LEAD	0.003	0.003	0.002		0.002			0.002
TOTAL MAGNESIUM	1.9	2.2	1.8	2.1	2.1	2.3	2.1	2
DISSOLVED MAGNESIUM	2.1	2.4	2.1	2.1	2	2.3	2.2	2.2
TOTAL MANGANESE	0.1	5.6	0.08	1	0.15	6.8	0.41	0.27
DISSOLVED MANGANESE	<0.02	5.9	<0.02	0.93	<0.02	6.7	0.11	<0.02
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DISSLOVED POTASSIUM	2.4	2.5	2.4	2.4	2.3	2.5	2.5	2.5
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.9	4.9	4.9	4.9	5.2	4.9	5	5
DISSOLVED SODIUM	4.9	4.9	5	5.1	5.1	4.8	5.1	5
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.3	7.5	7.5	7.6	7.5	7.5
TOTAL ALKALINITY (AS CACO3)	16	17	24	30	25	45
SPECIFIC CONDUCTANCE (UMHOS/CM)	60	60	73	78	56	125
HARDNESS (CALCULATED)	23	23	33	32	22	38
AMMONIA	<0.02	<0.02	<0.02	<0.02	<0.02	0.62
TOTAL NITROGEN (AS N)	0.16	0.14	0.03	0.17	0.05	0.67
NITRATE/NITRITE (AS N)	0.03	0.04		0.03	0.06	0.18
TOTAL ORGANIC CARBON	7.6	7.7	9.3	8.8	3.6	6.6
DISSOLVED ORGANIC CARBON	7.1	8.3	9.2	7.7	4.1	6.8
TOTAL PHOSPHATE (AS P)	0.01	0.008	0.003	0.012	0.013	0.155
TOTAL DISSOLVED PHOSPHATE (AS P)	0.003	0.002	0.001	0.001	0.011	0.098
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	<0.001	<0.001	<0.001	0.009	0.075
TOTAL SOLIDS @130C	95	83	68	86	87	161
TOTAL SUSPENDED SOLIDS @103C	6	6	6	7	8	26
TOTAL DISSOLVED SOLIDS @103C	63	50	64	83	92	120
SULFATE	4.5	4	5.2	5.2	3.5	11
CHLORIDE	5.2	5.2	7	6.6	3.6	12
TURBIDITY (NTU)	11	7.2	2.6	4.6	4.6	29
TOTAL ALUMINUM	0.1	0.06	0.04	0.03	0.04	0.26
DISSOLVED ALUMINUM	0.01	0.01	0.01	0.03	0.06	0.01
TOTAL ARSENIC	<0.001	<0.001	<0.001	0.001	0.001	0.001
DISSOLVED ARSENIC				<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED CADMIUM						<0.001
TOTAL CALCIUM	5.2	5	8.1	8.4	4.3	9.7
DISSOLVED CALCIUM	5.6	5.7	8.4	8.3	5	9.2
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.002	0.001	0.001	<0.001	0.001	0.002
DISSOLVED COPPER			0.002		0.002	0.002
TOTAL IRON	0.44	0.36	0.27	1	1.1	4.3
DISSOLVED IRON	0.07	0.06	0.06	0.27	0.47	0.08
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	0.002	0.003
DISSOLVED LEAD					0.004	0.003
TOTAL MAGNESIUM	2.1	2	2.8	2.8	2.1	3.7
DISSOLVED MAGNESIUM	2.2	2.2	2.8	2.8	2.3	3.6
TOTAL MANGANESE	0.1	0.18	0.07	3	0.55	2.2
DISSOLVED MANGANESE	<0.02	<0.02	<0.02	2.8	0.54	0.02
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	0.01	<0.01	<0.01	<0.01	0.01
DISSOLVED NICKEL		<0.01				<0.01
DISSLOVED POTASSIUM	2.5	2.5	2.6	2.4	1.8	3.8
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	5.1	5	7.9	7.6	6.2	17
DISSOLVED SODIUM	5.1	5.1	8	7.5	6.3	18
TOTAL ZINC	<0.02	<0.02	<0.02	0.11	0.02	0.02
DISSOLVED ZINC				<0.02	<0.02	<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7	7.4	7.1	7	7.1	7.4	7.1	7.1
TOTAL ALKALINITY (AS CACO3)	15	52	18	20	20	48	20	21
SPECIFIC CONDUCTANCE (UMHOS/CM)	56	97	58	60	59	94	61	62
HARDNESS (CALCULATED)	19	28	19	20	19	27	20	20
AMMONIA	<0.02	0.91	0.02	0.05	<0.02	0.41	0.04	0.08
TOTAL NITROGEN (AS N)	0.26	1.6	0.26	0.28	0.22	0.8	0.29	0.41
NITRATE/NITRITE (AS N)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
TOTAL ORGANIC CARBON	7.7	11	8.1	7.9	7.9	9.9	8.4	8.7
DISSOLVED ORGANIC CARBON	7.4	8.5	7.2	7.2	7.3	8.1	7.9	8
TOTAL PHOSPHATE (AS P)	0.007	0.024	0.012	0.012	0.017	0.009	0.009	0.019
TOTAL DISSOLVED PHOSPHATE (AS P)	0.005		0.008	0.008	0.013	0.008	0.006	0.006
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.015	<0.001	0.001	0.002	0.003	0.002	0.001
TOTAL SOLIDS @130C	59	122	58	70	72	98	61	77
TOTAL SUSPENDED SOLIDS @103C	9	18	3	4	6	20	4	8
TOTAL DISSOLVED SOLIDS @103C	39	56	20	28	22	92	60	71
SULFATE	5.2	0.57	5.9	5.7	5.8	2.3	5.7	6
CHLORIDE	5.2	6	5.1	5.1	5.2	5.6	5.2	5.3
TURBIDITY (NTU)	2.8	13	1.7	1.5	1.4	11	2.7	4
TOTAL ALUMINUM	0.03	0.2	0.01	0.02	<0.01	0.05	0.02	0.03
DISSOLVED ALUMINUM	<0.01	<0.01	<0.01	<0.01		<0.01	<0.01	<0.01
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.4	7	4.5	4.7	4.5	6.8	4.7	4.7
DISSOLVED CALCIUM	4.6	7.1	4.6	4.8	4.7	7	4.9	4.8
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.005	0.002	0.002	0.002	0.001	0.002	0.004	0.003
DISSOLVED COPPER	<0.001	<0.001	<0.001	<0.001		0.002	0.002	0.002
TOTAL IRON	0.08	13	0.14	0.3	0.11	6.7	0.27	0.72
DISSOLVED IRON	<0.05	1.9	<0.05	0.07	<0.05	1.9	<0.05	<0.05
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
TOTAL MAGNESIUM	1.7	2.3	1.8	1.8	1.7	2	1.8	1.8
DISSOLVED MAGNESIUM	1.8	2.4	1.8	1.9	1.8	2.2	1.9	1.9
TOTAL MANGANESE	0.27	7.3	0.31	0.78	0.54	7.2	0.56	0.66
DISSOLVED MANGANESE	0.08	7.2	0.08	0.47	0.44	7.3	0.3	0.3
TOTAL MERCURY	0.0003	0.0004	0.0001	0.0001	0.0001	0.0004	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DISSLOVED POTASSIUM	1.9	2.5	1.8	2.5	1.8	1.8	1.7	1.9
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.4	4.4	4.5	4.3	4.4	4.4	4.5	4.7
DISSOLVED SODIUM	4.5	4.6	4.3	4.4	4.5	4.5	4.5	4.7
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	0.03
DISSOLVED ZINC								0.03

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.1	7.6	7.3	7.2	7.2	7.5
TOTAL ALKALINITY (AS CACO3)	22	56	28	28	24	50
SPECIFIC CONDUCTANCE (UMHOS/CM)	62	108	83	83	58	185
HARDNESS (CALCULATED)	20	35	24	24	17	29
AMMONIA	<0.02	0.87	<0.02	<0.02	<0.02	<0.02
TOTAL NITROGEN (AS N)	0.24	1	0.25	0.22	0.07	0.61
NITRATE/NITRITE (AS N)	<0.01	<0.01	<0.01	<0.01	<0.01	0.59
TOTAL ORGANIC CARBON	7.9	11	10	9.5	4.2	6.7
DISSOLVED ORGANIC CARBON	7.8	9.2	10	9.9		7
TOTAL PHOSPHATE (AS P)	0.014	0.016	0.008	0.012	0.023	0.107
TOTAL DISSOLVED PHOSPHATE (AS P)	0.008	0.006	0.007	0.01	0.016	0.01
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.002	0.001	0.001	0.002	0.01	0.019
TOTAL SOLIDS @130C	66	111	80	81	70	156
TOTAL SUSPENDED SOLIDS @103C	7	24	7	8	3	14
TOTAL DISSOLVED SOLIDS @103C	55	94	58	52	40	121
SULFATE	5.8	1.9	7.3	7.6	4	31
CHLORIDE	5.2	6	7.2	7.2	3.7	21
TURBIDITY (NTU)	2.9	35	1.2	3.9	3.4	16
TOTAL ALUMINUM	0.03	0.12	0.02	0.04	0.05	0.14
DISSOLVED ALUMINUM	<0.01	<0.01	0.01	0.01	0.01	0.01
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.8	9.3	6.5	6.4	3.8	6.7
DISSOLVED CALCIUM	5	9.2	6.1	6	3.9	6.3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.007	0.018	0.002	<0.001	0.002	0.003
DISSOLVED COPPER	0.002	0.002	0.003		0.002	0.004
TOTAL IRON	0.19	7.4	0.15	0.24	0.76	0.91
DISSOLVED IRON	<0.05	1.8	<0.05	<0.05	0.16	<0.05
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	0.002	<0.002
DISSOLVED LEAD					<0.002	
TOTAL MAGNESIUM	1.8	2.9	2.3	2.2	1.8	3.3
DISSOLVED MAGNESIUM	1.9	2.9	2.1	2.1	1.8	3.2
TOTAL MANGANESE	0.69	5.8	0.15	0.23	0.23	0.57
DISSOLVED MANGANESE	0.52	5.7	0.06	0.02	0.19	0.41
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
DISSOLVED NICKEL						<0.01
DISSLOVED POTASSIUM	2.3	1.8	1.1	1.3	1.6	4
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.8	5.2	7.5	7.5	5.8	28
DISSOLVED SODIUM	4.5	4.8	7.4	7.4	5.3	26
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	7.4	7.3	7.3	7.3	7.3	7.3	7.3	6.9
TOTAL ALKALINITY (AS CACO3)	20	21	19	19	20	21	18	17
SPECIFIC CONDUCTANCE (UMHOS/CM)	67	70	68	69	72	72	68	68
HARDNESS (CALCULATED)	20	20	19	19	20	20	19	19
AMMONIA	0.1	0.12	0.14	0.16	0.13	0.13	0.19	0.14
TOTAL NITROGEN (AS N)	0.27	0.26	0.27	0.27	0.22	0.15	0.36	0.33
NITRATE/NITRITE (AS N)	0.01	0.02	0.03	0.02	0.01	0.01	0.03	0.04
TOTAL ORGANIC CARBON	7.1	7.2	7.1	6.9	7.4	7.3	7.5	7.3
DISSOLVED ORGANIC CARBON	6.7	6.9	6.7	6.5	7	2.7	7.2	7.3
TOTAL PHOSPHATE (AS P)	0.011	0.011	0.009	0.011	0.009	0.013	0.019	0.02
TOTAL DISSOLVED PHOSPHATE (AS P)	0.005	0.007	0.007	0.007	0.004	0.006	0.006	0.008
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	0.002	<0.001	<0.001	0.001	<0.001	<0.001	<0.001
TOTAL SOLIDS @130C	53	58	57	45	53	59	56	55
TOTAL SUSPENDED SOLIDS @103C	<1	3	5	<1	3	<1	3	3
TOTAL DISSOLVED SOLIDS @103C	48	60	22	33	41	51	57	61
SULFATE	4.4	4.2	4.4	4.4	4.3	4.2	4.8	4.9
CHLORIDE	4.5	5.1	4.5	4.6	4.9	5	4.8	4.8
TURBIDITY (NTU)	2.3	2.5	3.4	5.6	2.9	3.4	7.6	4.7
TOTAL ALUMINUM	0.01	0.01	<0.01	<0.01	0.01	0.01	0.05	0.04
DISSOLVED ALUMINUM	<0.01	0.01			<0.01	<0.01	<0.01	<0.01
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5	5	4.8	4.8	5	5	4.8	4.9
DISSOLVED CALCIUM	5	5	4.8	4.8	4.9	4.9	4.6	4.7
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	<0.001	0.002	<0.001	<0.001	<0.001	<0.001	0.002	0.001
DISSOLVED COPPER		0.003					0.003	0.002
TOTAL IRON	0.44	0.72	0.51	0.6	0.76	0.76	0.76	0.54
DISSOLVED IRON	0.19	0.3	0.13	0.11	0.31	0.3	0.14	0.17
TOTAL LEAD	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	0.002	<0.002
DISSOLVED LEAD	0.004						0.004	
TOTAL MAGNESIUM	1.9	1.9	1.8	1.8	1.9	1.8	1.9	1.9
DISSOLVED MAGNESIUM	1.9	1.9	1.8	1.8	1.9	1.9	1.8	1.8
TOTAL MANGANESE	0.85	1.1	0.68	0.64	1.2	1.1	0.5	0.49
DISSOLVED MANGANESE	0.68	0.93	0.53	0.49	1.1	0.99	0.37	0.39
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DISSLOVED POTASSIUM	2.8	2.1	2.5	2.4	2.6	2.4	2.2	1.9
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.4	4.3	4.2	4.2	4.4	4.2	4.3	4.4
DISSOLVED SODIUM	4.3	4.2	4.2	4.3	4.2	4.2	4.6	4.3
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.2	7.2	7.4		6.8	7.5
TOTAL ALKALINITY (AS CACO3)	19	17	27		10	25
SPECIFIC CONDUCTANCE (UMHOS/CM)	68	64	95		53	200
HARDNESS (CALCULATED)	20	17	28		14	29
AMMONIA	0.12	0.1	0.03		0.04	0.08
TOTAL NITROGEN (AS N)	0.15	0.17	0.22		0.14	0.31
NITRATE/NITRITE (AS N)	0.01	0.02	0.01		0.03	0.61
TOTAL ORGANIC CARBON	7	6.2	9.1		12	6.5
DISSOLVED ORGANIC CARBON	6.8		9.3		12	7
TOTAL PHOSPHATE (AS P)	0.09	0.09	0.07		0.07	0.09
TOTAL DISSOLVED PHOSPHATE (AS P)	0.046	0.005	0.05		0.042	0.069
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	<0.001	0.002		0.035	0.038
TOTAL SOLIDS @130C	71	252	105		94	136
TOTAL SUSPENDED SOLIDS @103C	7	211	43		44	11
TOTAL DISSOLVED SOLIDS @103C	58	65	68		59	128
SULFATE	4.3	2.8	6.5		5.7	24
CHLORIDE	4.8	5	7.2		3.8	17
TURBIDITY (NTU)	13.2	266	50		43	10.5
TOTAL ALUMINUM	0.09	2.5	0.68		0.68	0.25
DISSOLVED ALUMINUM	<0.01	<0.01	<0.01		0.04	<0.01
TOTAL ARSENIC	<0.001	0.003	<0.001		0.001	<0.001
DISSOLVED ARSENIC	<0.001	<0.001	<0.001		<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001		<0.001	<0.001
TOTAL CALCIUM	4.9	5.4	7.5		3.6	6.5
DISSOLVED CALCIUM	4.9	4.1	7.1		3.3	6.7
TOTAL CHROMIUM	<0.005	<0.005	<0.005		<0.005	<0.005
TOTAL COPPER	0.001	0.003	0.006		0.002	0.003
DISSOLVED COPPER	0.002	0.002	0.004		0.005	0.004
TOTAL IRON	0.61	2.3	0.79		1.8	0.53
DISSOLVED IRON	0.2	0.07	0.12		0.26	<0.05
TOTAL LEAD	<0.002	<0.002	<0.002		<0.002	<0.002
TOTAL MAGNESIUM	1.8	2.4	2.6		1.5	3
DISSOLVED MAGNESIUM	1.9	1.6	2.4		1.4	3.1
TOTAL MANGANESE	0.62	0.46	0.27		0.1	0.16
DISSOLVED MANGANESE	0.52	0.19	0.19		0.07	0.06
TOTAL MERCURY	<0.0001	<0.0001	<0.0001		<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	<0.01		<0.01	0.01
DISSOLVED NICKEL						0.01
DISSLOVED POTASSIUM	2.7	1.4	2.2		2.2	4.7
TOTAL SELENIUM	<0.001	<0.001	<0.001		<0.001	<0.001
TOTAL SODIUM	4.2	4.3	7.1		3.9	25
DISSOLVED SODIUM	4.2	4.4	7		4.1	27
TOTAL ZINC	<0.02	0.02	0.02		<0.02	<0.02
DISSOLVED ZINC		<0.02	<0.02			

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	6.9	6.6	6.9	6.9	6.9	6.8	6.9	6.9
TOTAL ALKALINITY (AS CACO3)	22	75	20	14	19	17	17	16
SPECIFIC CONDUCTANCE (UMHOS/CM)	70	150	69	65	69	69	68	67
HARDNESS (CALCULATED)	20	37	19	18	19	19	19	18
AMMONIA	0.25	3.5	0.23	0.22	0.18	0.21	0.2	0.32
TOTAL NITROGEN (AS N)	0.95	6.8	0.68	0.65	0.62	0.58	0.62	0.68
NITRATE/NITRITE (AS N)	0.02	0.01	0.02	0.1	0.04	0.07	0.09	0.09
TOTAL ORGANIC CARBON	7.1	14	7.1	6.9	7.1	7	7.1	7.2
DISSOLVED ORGANIC CARBON		14	7.3		7.5	7.3		6.2
TOTAL PHOSPHATE (AS P)	0.014	0.05	0.065	0.012	0.009	0.011	0.014	0.042
TOTAL DISSOLVED PHOSPHATE (AS P)	0.004	0.023	0.027	0.003	0.003	0.003	0.009	0.023
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	0.01	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SOLIDS @130C	75	238	71	75	68	62	76	79
TOTAL SUSPENDED SOLIDS @103C	10	99	8	9	7	4	12	31
TOTAL DISSOLVED SOLIDS @103C	46	160	42	53	34	44	42	55
SULFATE	4.4	0.19	4.5	4.9	4.8	5.2	5.2	5.7
CHLORIDE	4.7	5	4.6	4.8	4.6	4.6	4.6	4.9
TURBIDITY (NTU)	6.5	66	3.8	4.8	3.9	6.6	3.8	13
TOTAL ALUMINUM	0.02	0.16	0.02	0.03	0.02	0.05	0.03	0.09
DISSOLVED ALUMINUM	0.01	0.01	0.01	0.01	0.01	0.02	0.01	0.01
TOTAL ARSENIC	<0.001	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.3	11	5	4.7	5	4.8	4.7	4.4
DISSOLVED CALCIUM	5	9.7	4.5	4.3	4.6	4.6	4.7	4.3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	<0.001	0.004	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED COPPER		0.005						
TOTAL IRON	2	50	1.1	0.62	0.71	0.76	0.49	0.75
DISSOLVED IRON	1	20	0.55	0.21	0.22	0.22	0.11	0.19
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
TOTAL MAGNESIUM	2	3.3	1.9	1.8	1.9	1.8	1.8	1.8
DISSOLVED MAGNESIUM	1.9	3	1.8	1.7	1.8	1.8	1.8	1.7
TOTAL MANGANESE	1.5	12	0.96	0.41	0.68	0.63	0.4	0.42
DISSOLVED MANGANESE	1.3	10	0.71	0.35	0.5	0.47	0.29	0.29
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02
DISSOLVED NICKEL	0.01	0.01	0.01	<0.01	<0.01	0.01	0.01	0.01
DISSLOVED POTASSIUM	2.2	2.8	2.2	2.1	2.2	2.2	2.2	2.1
TOTAL SELENIUM	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001	<0.001
DISSOLVED SELENIUM	<0.001						<0.001	
TOTAL SODIUM	4.4	5.1	4.2	4.2	4.1	4.2	4.2	4.2
DISSOLVED SODIUM	4.5	5.3	4.3	4.4	4.4	4.4	4.6	4.5
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7	6.9	7.2	7	6.9	6.8
TOTAL ALKALINITY (AS CACO3)	18	18	26	26	18	21
SPECIFIC CONDUCTANCE (UMHOS/CM)	69	71	96	95	70	134
HARDNESS (CALCULATED)	20	18	27	27	17	
AMMONIA	0.18	0.17	0.12	0.07	0.02	0.24
TOTAL NITROGEN (AS N)	0.6	0.62	0.57	0.56	0.11	1.1
NITRATE/NITRITE (AS N)	0.06	0.06	0.02	0.03		
TOTAL ORGANIC CARBON	7.3	6.8	8.7	8.6	3.9	11
DISSOLVED ORGANIC CARBON	2.6	6	7.4	7.4	3.1	9.3
TOTAL PHOSPHATE (AS P)	0.019	0.017	0.013	0.05	0.018	0.206
TOTAL DISSOLVED PHOSPHATE (AS P)	0.004	0.003	0.004	0.022	0.009	
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.001	<0.001	<0.001	<0.001	0.007	0.2
TOTAL SOLIDS @130C	93	173	92	144	74	171
TOTAL SUSPENDED SOLIDS @103C	22	103	<1	34	<1	16
TOTAL DISSOLVED SOLIDS @103C	48	4	51	53	55	83
SULFATE	5	5.5	6.4	7		
CHLORIDE	5	5	7.3	7.2		
TURBIDITY (NTU)	16	111	6.4	66	8.3	61
TOTAL ALUMINUM	0.09	0.68	0.05	0.36	0.08	0.51
DISSOLVED ALUMINUM	0.01	0.01	0.01	0.02	0.01	0.01
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
DISSOLVED ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	4.9	5.5	6.5	7.2	4.1	6.4
DISSOLVED CALCIUM	5	4.4	6.7	6.9	3.8	
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	<0.001	<0.001	0.003	0.003	0.003	0.006
DISSOLVED COPPER			0.003	0.004	0.004	0.003
TOTAL IRON	0.56	0.9	0.9	1	0.68	2
DISSOLVED IRON	0.18	0.1	0.51	0.47	0.09	<0.05
TOTAL LEAD	<0.002	<0.002	<0.002	0.002	<0.002	0.002
DISSOLVED LEAD				0.003		<0.002
TOTAL MAGNESIUM	1.9	2.1	2.4	2.5	1.8	2.8
DISSOLVED MAGNESIUM	1.9	1.8	2.4	2.4	1.8	
TOTAL MANGANESE	0.36	0.41	0.22	0.25	0.09	0.08
DISSOLVED MANGANESE	0.22	0.18	0.18	0.14	0.08	<0.02
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.02	0.02	<0.01	<0.01	<0.01	0.01
DISSOLVED NICKEL	<0.01	<0.01				<0.01
DISSLOVED POTASSIUM	2.2	2.1	2.2	2.2	1.5	0.48
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.4	4.4	7	7	5.5	13
DISSOLVED SODIUM	4.5	4.6	7	7.1	5.6	
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_E2SUR	_E2BOT	_H2SUR	_H2BOT	_P2SUR	_P2BOT	_S2SUR	_S2BOT
LAB PH	8.6	8.1	7.2	7.3	8.2	7.4	7.1	6.8
TOTAL ALKALINITY (AS CACO3)	19	20	16	14	18	14	11	0.9
SPECIFIC CONDUCTANCE (UMHOS/CM)	71	74	66	64	69	69	58	56
HARDNESS (CALCULATED)	21	21	19	17	20	20	16	14
AMMONIA	0.29	0.27	0.17	0.14	0.21	0.25	0.18	0.23
TOTAL NITROGEN (AS N)	0.57	0.61	0.54	0.47	0.56	0.49	0.6	0.6
NITRATE/NITRITE (AS N)	0.09	0.07	0.11	0.15	0.09	0.1	0.07	0.09
TOTAL ORGANIC CARBON	7	7.1	7	7.3	6.6	6.9	9.7	12
DISSOLVED ORGANIC CARBON	5	7.6	7.6	7.8			11	9.7
TOTAL PHOSPHATE (AS P)	0.008	0.026	0.011	0.02	0.01	0.015	0.019	0.025
TOTAL DISSOLVED PHOSPHATE (AS P)	<0.005		0.006				0.014	<0.005
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	<0.002	0.017	0.004	0.008	0.005	0.007	0.006	0.008
TOTAL SOLIDS @130C	45	40	26	50	42	60	92	83
TOTAL SUSPENDED SOLIDS @103C	<1	<1	2	<1	5	<1	2	8
TOTAL DISSOLVED SOLIDS @103C	36	12	18	23	4	12	34	14
SULFATE	4.7	4.9	4.8	4.7	4.8	5.1	5.4	5.7
CHLORIDE	5.7	9.6	5.8	5.5	5.8	5.8	5.5	4
TURBIDITY (NTU)	4.5	6	6.9	12.3	7.7	7.6	20	30
TOTAL ALUMINUM	0.04	0.08	0.07	0.12	0.07	0.07	0.27	0.23
DISSOLVED ALUMINUM	0.02	0.03	0.03	0.03	0.01	0.01	0.05	0.09
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC								<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED CADMIUM								<0.001
TOTAL CALCIUM	5.1	5.1	4.5	4.3	4.9	4.8	3.8	3.6
DISSOLVED CALCIUM	5.1	5.3	4.5	4.1	4.7	4.7	3.7	3.3
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.002
DISSOLVED COPPER	<0.001	<0.001	<0.001	<0.001	0.002	0.001	0.001	0.001
TOTAL IRON	1	1.2	0.81	0.81	0.77	0.72	0.71	0.95
DISSOLVED IRON	0.08	0.18	0.18	0.14	0.18	0.17	0.15	0.23
TOTAL LEAD	<0.002	<0.002	<0.002	<0.002	0.002	0.003	0.004	0.008
DISSOLVED LEAD					<0.002	0.002	0.002	0.003
TOTAL MAGNESIUM	2	2	1.8	1.8	2	1.9	1.6	1.5
DISSOLVED MAGNESIUM	2	2	1.8	1.7	1.9	1.9	1.6	1.4
TOTAL MANGANESE	0.66	0.73	0.38	0.29	0.43	0.41	0.24	0.33
DISSOLVED MANGANESE	0.55	0.61	0.33	0.23	0.33	0.33	0.2	0.24
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	<0.01	<0.01	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
DISSOLVED NICKEL			0.01					
DISSLOVED POTASSIUM	2.5	2.6	2.1	2.1	2.2	2.1	2.1	1.7
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.8	4.8	4.5	4.4	4.6	4.6	4.1	3.8
DISSOLVED SODIUM	5	5.1	4.7	4.5	4.8	4.8	4.4	4
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

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ANALYSIS	_V3SUR	_V3BOT	_Z1SUR	_Z1BOT	_BK2SUR	_D2SUR
LAB PH	7.8	7.8	8.7	8.7	7.4	7.3
TOTAL ALKALINITY (AS CACO3)	18	18	26	24	18	12
SPECIFIC CONDUCTANCE (UMHOS/CM)	71	72	90	91	69	71
HARDNESS (CALCULATED)	20	20	26	26	20	21
AMMONIA	0.13	0.15	0.12	0.1	0.18	0.06
TOTAL NITROGEN (AS N)	0.41	0.5	0.44	0.6	0.5	0.6
NITRATE/NITRITE (AS N)	0.06	0.09	0.02	0.01	0.05	0.49
TOTAL ORGANIC CARBON	7	7	8.4	8.7	6.6	8.7
DISSOLVED ORGANIC CARBON				8.9	5.3	
TOTAL PHOSPHATE (AS P)	0.022	0.032	0.017	0.017	0.01	
TOTAL DISSOLVED PHOSPHATE (AS P)	0.016		0.008	0.011	<0.005	
DISSOLVED MOLYBDATE REACTIVE PHOSPHATE	0.01	0.01	0.008	0.007	0.003	
TOTAL SOLIDS @130C	93	99	76	67	40	128
TOTAL SUSPENDED SOLIDS @103C	25	34	9	1	<1	45
TOTAL DISSOLVED SOLIDS @103C	<1	6	<1	8	30	51
SULFATE	5.2	5.4	6.2	6.6	4.9	8.8
CHLORIDE	5.8	5.5	8.4	7.7	5.6	5
TURBIDITY (NTU)	47	59	19	16	7.4	80
TOTAL ALUMINUM	0.18	0.33	0.15	0.14	0.11	0.35
DISSOLVED ALUMINUM	0.02	0.03	0.02	0.02	0.04	0.07
TOTAL ARSENIC	<0.001	<0.001	<0.001	<0.001	<0.001	0.001
DISSOLVED ARSENIC						<0.001
TOTAL CADMIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL CALCIUM	5.3	5.5	6.6	6.5	5	4.8
DISSOLVED CALCIUM	4.9	5	6.4	6.4	4.9	4.8
TOTAL CHROMIUM	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
TOTAL COPPER	<0.001	0.003	<0.001	<0.001	0.001	0.005
DISSOLVED COPPER		<0.001			<0.001	0.001
TOTAL IRON	0.69	0.82	0.79	0.83	1.1	1
DISSOLVED IRON	0.14	0.14	0.39	0.36	0.13	0.08
TOTAL LEAD	0.008	0.008	0.011	0.006	<0.002	0.006
DISSOLVED LEAD	0.002	<0.002	0.004	0.003		<0.002
TOTAL MAGNESIUM	2	2.1	2.4	2.4	2	2.2
DISSOLVED MAGNESIUM	1.9	1.9	2.4	2.4	1.9	2.1
TOTAL MANGANESE	0.23	0.24	0.08	0.08	0.5	0.09
DISSOLVED MANGANESE	0.1	0.09	<0.02	<0.02	0.37	0.02
TOTAL MERCURY	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001
TOTAL NICKEL	0.01	0.01	0.01	0.01	<0.01	0.01
DISSOLVED NICKEL	0.01	<0.01	<0.01	<0.01		0.02
DISSLOVED POTASSIUM	2	2.3	1.8	1.9	2.5	2.8
TOTAL SELENIUM	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
TOTAL SODIUM	4.9	4.9	7.5	7.4	4.7	5.6
DISSOLVED SODIUM	4.9	5	7.6	7.7	4.8	5.9
TOTAL ZINC	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02

APPENDIX C

1983 Harris Lake Water Chemistry Summary Statistics

KEYS TO SYMBOLS USED IN APPENDIX C

Note: Results of all chemical analyses are reported in mg/liter unless otherwise indicated.

AMMONIA	Ammonia (as N)
CHLORIDE	Chloride
CONDUCT	Specific conductance (μmhos/cm)
DIS_AL	Dissolved aluminum
DIS_AS	Dissolved arsenic
DIS_CA	Dissolved calcium
DIS_CU	Dissolved copper
DIS_FE	Dissolved iron
DIS_K	Dissolved potassium
DIS_MG	Dissolved magnesium
DIS_MN	Dissolved manganese
DIS_NA	Dissolved sodium
DIS_NI	Dissolved nickel
DIS_PB	Dissolved lead
DIS_SE	Dissolved selenium
DIS_ZN	Dissolved zinc
DMRP	Dissolved molybdate reactive phosphorus
DORGC	Dissolved organic carbon
HARDCALC	Calculated hardness
LAB_PH	Laboratory pH (standard units)
NITANITI	Nitrate/nitrite
SULFATE	Sulfate
TDIS PHOS	Total dissolved phosphate (as P)
TD SOLIDS	Total dissolved solids @ 180°c
TOC	Total organic carbon
TOT_ALK	Total alkalinity (as $CaCO_3$)
TOT_AL	Total aluminum
TOT_AS	Total arsenic
TOT_CA	Total calcium
TOT_CD	Total cadmium
TOT_CR	Total chromium

TOT_CU	Total copper
TOT_FE	Total iron
TOT_HG	Total mercury
TOT_MG	Total magnesium
TOT_MN	Total manganese
TOT_N	Total Kjeldahl nitrogen (as N)
TOT_NA	Total sodium
TOT_NI	Total nickel
TOT_PB	Total lead
TOT_PHOS	Total phosphate (as P)
TOT_SE	Total selenium
TOT_ZN	Total zinc
TSOLIDS	Total solids @ 103°c
TSSOLIDS	Total suspended solids @ 103°c
TURBIDITY	Turbidity (NTU)

LOCATION=SH1 YR_SAM=83 STATION=BK2 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.2	6.8	7.5
TOT_ALK=	12	17	10	25
CONDUCT=	12	62	53	70
HARDCALC=	12	18	14	22
AMMONIA=	11	0.09	<0.02	0.28
TOT_N=	12	0.35	0.05	0.82
NITANITI=	11	0.14	<0.01	0.29
TOC=	12	6.4	3.6	12
DORGC=	10	6.5	3.1	12
TOT_PHOS=	12	0.023	0.01	0.07
TDISPHOS=	12	0.010	0.001	0.042
DMRP=	12	0.008	<0.002	0.035
TSOLIDS=	12	74	40	94
TSSOLIDS=	12	9	<1	44
TDSOLIDS=	12	57	30	92
SULFATE=	11	5	3.5	6.8
CHLORIDE=	11	4.6	3.6	5.6
TURBIDTY=	12	12	3.4	43
TOT_AL=	12	0.15	0.04	0.68
DIS_AL=	12	0.05	0.01	0.09
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	0.001
TOT_CA=	12	4.4	3.6	5.1
DIS_CA=	12	4.2	3.3	5.1
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.004
DIS_CU=	9	0.003	<0.001	0.006
TOT_FE=	12	0.98	0.65	1.8
DIS_FE=	12	0.29	0.09	0.49
TOT_PB=	12	<0.002	<0.002	0.004
DIS_PB=	4	0.003	<0.002	0.006
TOT_MN=	12	0.22	0.06	0.55
DIS_MN=	12	0.17	0.03	0.54
TOT_MG=	12	1.9	1.5	2.9
DIS_MG=	12	1.8	1.4	2.3
TOT_HG=	12	<0.0001	<0.0001	0.0001
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	2	0.01	0.01	0.01
DIS_K=	12	1.9	1.5	2.6
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	5.2	3.9	6.9
DIS_NA=	12	5.1	4	6.8
TOT_ZN=	12	<0.02	<0.02	0.02
DIS_ZN=	2	<0.02	<0.02	0.02

LOCATION=SH1 YR_SAM=83 STATION=D2 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.2	6.8	7.7
TOT_ALK=	12	25	7.6	50
CONDUCT=	12	113	55	200
HARDCALC=	11	25	13	38
AMMONIA=	11	0.14	<0.02	0.62
TOT_N=	12	0.94	0.31	3.7
NITANITI=	11	0.53	0.18	0.97
TOC=	12	7.1	4.8	11
DORGC=	8	7.4	6	9.3
TOT_PHOS=	10	0.167	0.09	0.28
TDISPHOS=	10	0.076	0.01	0.142
DMRP=	10	0.081	0.019	0.2
TSOLIDS=	12	137	109	171
TSSOLIDS=	12	30	7	83
TDSOLIDS=	12	98	51	135
SULFATE=	11	14	7.3	31
CHLORIDE=	11	9.8	3.8	21
TURBIDTY=	12	71	8.5	410
TOT_AL=	12	0.43	0.09	0.89
DIS_AL=	12	0.08	<0.01	0.24
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	0.001
TOT_CA=	12	6.4	3.7	9.7
DIS_CA=	11	5.9	3	9.2
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.006	0.002	0.026
DIS_CU=	10	0.005	0.001	0.01
TOT_FE=	12	1.62	0.53	4.3
DIS_FE=	12	0.18	<0.05	0.68
TOT_PB=	12	0.003	<0.002	0.006
DIS_PB=	8	<0.002	<0.002	0.004
TOT_MN=	12	0.52	0.08	2.2
DIS_MN=	12	0.21	<0.02	1.6
TOT_MG=	12	2.8	1.9	3.7
DIS_MG=	11	2.6	1.4	3.6
TOT_HG=	12	<0.0001	<0.0001	0.0004
TOT_NI=	12	<0.01	<0.01	0.01
DIS_NI=	8	<0.01	<0.01	0.02
DIS_K=	12	2.6	0.48	4.7
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	12.7	3.8	28
DIS_NA=	11	12.7	3.4	27
TOT_ZN=	12	<0.02	<0.02	0.02
DIS_ZN=	3	<0.02	<0.02	<0.02

LOCATION=SH1 YR_SAM=83 STATION=E2 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	11	7.3	6.9	8.6
TOT_ALK=	11	17	12	22
CONDUCT=	12	64	55	71
HARDCALC=	12	19	15	22
AMMONIA=	11	0.13	<0.02	0.37
TOT_N=	12	0.55	0.15	0.95
NITANITI=	12	0.12	<0.01	0.29
TOC=	12	7.6	6.3	8.7
DORGC=	9	7.2	5	8.1
TOT_PHOS=	12	0.012	0.006	0.02
TDISPHOS=	12	<0.005	0.003	0.008
DMRP=	12	<0.002	<0.001	0.003
TSOLIDS=	12	62	38	95
TSSOLIDS=	12	6	<1	16
TDSOLIDS=	12	48	35	77
SULFATE=	12	6	4.3	6.7
CHLORIDE=	12	5.1	4.5	5.7
TURBIDTY=	12	6	1.9	25
TOT_AL=	12	0.06	0.01	0.17
DIS_AL=	12	0.04	<0.01	0.12
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	<0.001
TOT_CA=	12	4.8	4.2	5.4
DIS_CA=	12	4.6	3.6	5.4
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.005
DIS_CU=	8	0.002	<0.001	0.005
TOT_FE=	12	0.73	0.08	2
DIS_FE=	12	0.32	<0.05	1
TOT_PB=	12	<0.002	<0.002	0.002
DIS_PB=	4	0.002	<0.002	0.004
TOT_MN=	12	0.36	0.07	1.5
DIS_MN=	12	0.25	<0.02	1.3
TOT_MG=	12	1.8	1.2	2.1
DIS_MG=	12	1.8	1.4	2.1
TOT_HG=	12	0.0001	<0.0001	0.0004
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	3	0.01	0.01	0.01
DIS_K=	12	2.2	1.8	2.8
TOT_SE=	12	<0.001	<0.001	0.001
DIS_SE=	1	<0.001	<0.001	<0.001
TOT_NA=	12	4.7	4.1	5.4
DIS_NA=	12	4.6	4	5.1
TOT_ZN=	12	0.02	<0.02	0.18
DIS_ZN=	2	0.02	0.02	0.03

LOCATION=SH1 YR_SAM=83 STATION=E2 DEPTH=BOT

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	11	7.3	6.6	8.1
TOT_ALK=	11	28	2.1	75
CONDUCT=	12	80	59	150
HARDCALC=	12	23	15	37
AMMONIA=	11	0.56	0.05	3.5
TOT_N=	12	1.35	0.26	6.8
NITANITI=	12	0.14	<0.01	0.3
TOC=	12	9.0	7.1	14
DORGC=	12	8.3	3.2	14
TOT_PHOS=	12	0.025	0.01	0.08
TDISPHOS=	10	0.009	0.002	0.023
DMRP=	12	0.007	<0.002	0.017
TSOLIDS=	12	95	40	238
TSSOLIDS=	12	19	<1	99
TDSOLIDS=	11	60	12	160
SULFATE=	12	5	0.19	6.8
CHLORIDE=	12	5.6	4.9	9.6
TURBIDTY=	12	15	2.5	66
TOT_AL=	12	0.14	0.01	0.39
DIS_AL=	11	0.05	<0.01	0.12
TOT_AS=	12	<0.001	<0.001	0.003
TOT_CD=	12	<0.001	<0.001	0.001
TOT_CA=	12	6.1	4.4	11
DIS_CA=	12	5.8	3.6	9.7
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.004
DIS_CU=	9	0.002	<0.001	0.005
TOT_FE=	12	7.35	0.72	50
DIS_FE=	12	2.59	0.18	20
TOT_PB=	12	<0.002	<0.002	0.004
DIS_PB=	2	0.002	0.002	0.003
TOT_MN=	12	3.50	0.15	12
DIS_MN=	12	3.19	0.06	11
TOT_MG=	12	2.2	1.7	3.3
DIS_MG=	12	2.1	1.4	3
TOT_HG=	12	0.0001	<0.0001	0.0004
TOT_NI=	12	<0.01	<0.01	0.03
DIS_NI=	4	<0.01	<0.01	0.01
DIS_K=	12	2.3	1.6	2.9
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	4.8	4.2	5.8
DIS_NA=	12	4.8	4	5.6
TOT_ZN=	12	<0.02	<0.02	0.02
DIS_ZN=				

LOCATION=SH1 YR_SAM=83 STATION=H2 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.2	6.9	7.4
TOT_ALK=	12	17	12	36
CONDUCT=	12	62	57	71
HARDCALC=	12	18	15	22
AMMONIA=	11	0.11	<0.02	0.39
TOT_N=	12	0.47	0.15	0.81
NITANITI=	12	0.12	<0.01	0.33
TOC=	12	7.7	7	9.2
DORGC=	12	7.5	6.7	9.3
TOT_PHOS=	12	0.019	0.008	0.065
TDISPHOS=	12	0.007	0.002	0.027
DMRP=	12	<0.002	<0.001	0.004
TSOLIDS=	12	61	26	85
TSSOLIDS=	12	5	<1	10
TDSOLIDS=	12	38	18	71
SULFATE=	12	5	2.4	6.7
CHLORIDE=	12	5.0	4.5	5.8
TURBIDTY=	12	5	1.6	23
TOT_AL=	12	0.05	<0.01	0.13
DIS_AL=	11	0.04	<0.01	0.12
TOT_AS=	12	<0.001	<0.001	<0.001
TOT_CD=	12	<0.001	<0.001	<0.001
TOT_CA=	12	4.5	3.9	5.3
DIS_CA=	12	4.5	3.5	5.4
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.004
DIS_CU=	8	0.002	<0.001	0.005
TOT_FE=	12	0.59	0.14	1.1
DIS_FE=	12	0.21	<0.05	0.55
TOT_PB=	12	<0.002	<0.002	0.008
DIS_PB=	2	<0.002	<0.002	0.002
TOT_MN=	12	0.27	0.04	0.96
DIS_MN=	12	0.17	<0.02	0.71
TOT_MG=	12	1.8	1.6	2
DIS_MG=	12	1.7	1.4	2.1
TOT_HG=	12	<0.0001	<0.0001	0.0001
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	5	0.01	<0.01	0.02
DIS_K=	12	2.1	1.4	2.6
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	4.6	4.2	5.2
DIS_NA=	12	4.6	4.2	5.5
TOT_ZN=	12	<0.02	<0.02	<0.02
DIS_ZN=				

LOCATION=SH1 YR_SAM=83 STATION=H2 DEPTH=BOT

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.2	6.9	7.5
TOT_ALK=	12	19	12	30
CONDUCT=	12	66	58	75
HARDCALC=	12	19	13	24
AMMONIA=	11	0.21	<0.02	0.48
TOT_N=	12	0.61	0.1	1.1
NITANITI=	12	0.12	<0.01	0.36
TOC=	12	7.7	6.9	9.3
DORGC=	11	7.3	6.5	8.3
TOT_PHOS=	12	0.022	0.009	0.05
TDISPHOS=	11	0.007	0.001	0.021
DMRP=	12	0.002	<0.001	0.008
TSOLIDS=	12	72	36	131
TSSOLIDS=	12	15	<1	57
TDSOLIDS=	12	41	14	88
SULFATE=	12	5	3.7	6.5
CHLORIDE=	12	5.0	4.5	5.7
TURBIDTY=	12	9	1.5	24
TOT_AL=	12	0.11	<0.01	0.41
DIS_AL=	11	0.04	<0.01	0.1
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	0.006
TOT_CA=	12	4.9	4.1	6.9
DIS_CA=	12	4.6	3.1	6.4
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.005	<0.001	0.035
DIS_CU=	9	0.003	<0.001	0.005
TOT_FE=	12	1.76	0.21	5.7
DIS_FE=	12	0.26	<0.05	0.72
TOT_PB=	12	<0.002	<0.002	0.002
DIS_PB=	3	<0.002	<0.002	0.002
TOT_MN=	12	1.40	0.1	4.7
DIS_MN=	12	1.21	0.05	4.2
TOT_MG=	12	1.8	1.5	2.1
DIS_MG=	12	1.7	1.3	2.1
TOT_HG=	12	<0.0001	<0.0001	0.0001
TOT_NI=	12	<0.01	<0.01	0.01
DIS_NI=	4	<0.01	<0.01	0.01
DIS_K=	12	2.1	1.5	2.5
TOT_SE=	12	<0.001	<0.001	0.001
DIS_SE=	1	<0.001	<0.001	<0.001
TOT_NA=	12	4.6	4.2	5.3
DIS_NA=	12	4.6	4.2	5.2
TOT_ZN=	12	<0.02	<0.02	0.02
DIS_ZN=	1	<0.02	<0.02	<0.02

LOCATION=SH1 YR_SAM=83 STATION=P2 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.2	6.9	8.2
TOT_ALK=	12	16	12	20
CONDUCT=	12	65	58	75
HARDCALC=	12	18	14	21
AMMONIA=	11	0.13	<0.02	0.42
TOT_N=	12	0.49	0.06	0.84
NITANITI=	12	0.12	<0.01	0.3
TOC=	12	7.8	6.6	8.6
DORGC=	11	7.9	7	9.5
TOT_PHOS=	12	0.014	0.007	0.024
TDISPHOS=	11	0.006	<0.001	0.013
DMRP=	12	<0.002	<0.001	0.005
TSOLIDS=	12	60	42	77
TSSOLIDS=	12	6	<1	11
TDSOLIDS=	12	40	4	68
SULFATE=	12	6	4.3	7
CHLORIDE=	12	5.2	4.6	5.8
TURBIDTY=	12	6	1.4	23
TOT_AL=	12	0.06	<0.01	0.15
DIS_AL=	11	0.04	<0.01	0.12
TOT_AS=	12	<0.001	<0.001	<0.001
TOT_CD=	12	<0.001	<0.001	0.006
TOT_CA=	12	4.8	4.2	5.4
DIS_CA=	12	4.4	3.2	5.2
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.005
DIS_CU=	6	0.002	0.001	0.003
TOT_FE=	12	0.64	0.11	1.2
DIS_FE=	12	0.21	<0.05	0.33
TOT_PB=	12	<0.002	<0.002	0.002
DIS_PB=	2	<0.002	<0.002	0.002
TOT_MN=	12	0.34	0.09	1.2
DIS_MN=	12	0.23	<0.02	1.1
TOT_MG=	12	1.8	1.6	2.1
DIS_MG=	12	1.7	1.4	2
TOT_HG=	12	<0.0001	<0.0001	0.0001
TOT_NI=	12	<0.01	<0.01	0.01
DIS_NI=	4	<0.01	<0.01	0.01
DIS_K=	12	2.1	1.7	2.6
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	4.6	4.1	5.3
DIS_NA=	12	4.6	4.2	5.1
TOT_ZN=	12	<0.02	<0.02	0.02
DIS_ZN=	1	<0.02	<0.02	<0.02

LOCATION=SH1 YR_SAM=83 STATION=P2 DEPTH=BOT

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.3	6.8	7.7
TOT_ALK=	12	24	12	48
CONDUCT=	12	75	62	100
HARDCALC=	12	21	15	31
AMMONIA=	11	0.24	0.08	0.42
TOT_N=	12	0.62	0.15	1.3
NITANITI=	12	0.12	<0.01	0.3
TOC=	12	8.4	6.9	11
DORGC=	11	7.9	2.7	9.5
TOT_PHOS=	12	0.018	0.009	0.033
TDISPHOS=	11	0.006	0.002	0.01
DMRP=	12	0.002	<0.001	0.007
TSOLIDS=	12	76	55	112
TSSOLIDS=	12	10	<1	50
TDSOLIDS=	12	50	12	98
SULFATE=	12	5	1.9	7.3
CHLORIDE=	12	5.3	4.6	5.8
TURBIDTY=	12	9	3.4	22
TOT_AL=	12	0.08	0.01	0.18
DIS_AL=	12	0.04	<0.01	0.13
TOT_AS=	12	<0.001	<0.001	0.004
TOT_CD=	12	<0.001	<0.001	0.002
TOT_CA=	12	5.5	4.4	7.5
DIS_CA=	12	5.2	3.5	8.3
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.001	<0.001	0.002
DIS_CU=	7	0.003	0.001	0.005
TOT_FE=	12	2.52	0.72	8
DIS_FE=	12	0.87	0.17	3.3
TOT_PB=	12	<0.002	<0.002	0.003
DIS_PB=	2	<0.002	<0.002	0.002
TOT_MN=	12	1.97	<0.02	7.2
DIS_MN=	11	2.05	0.03	7.3
TOT_MG=	12	1.9	1.7	2.4
DIS_MG=	12	1.9	1.5	2.6
TOT_HG=	12	0.0001	<0.0001	0.0004
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	4	<0.01	<0.01	0.01
DIS_K=	12	2.2	1.5	2.8
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	4.6	4.2	5.3
DIS_NA=	12	4.6	4.2	5.4
TOT_ZN=	12	<0.02	<0.02	<0.02
DIS_ZN=				

LOCATION=SH1 YR_SAM=83 STATION=S2 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.0	6.5	7.4
TOT_ALK=	12	13	3.2	20
CONDUCT=	12	58	41	68
HARDCALC=	12	16	7.8	24
AMMONIA=	11	0.10	<0.02	0.28
TOT_N=	12	0.48	0.17	0.87
NITANITI=	12	0.08	<0.01	0.21
TOC=	12	8.3	5	10
DORGC=	9	8.8	6.8	11
TOT_PHOS=	12	0.022	0.008	0.038
TDISPHOS=	12	0.007	0.003	0.014
DMRP=	12	0.003	<0.001	0.006
TSOLIDS=	12	75	43	94
TSSOLIDS=	12	9	<1	26
TDSOLIDS=	12	45	13	75
SULFATE=	12	6	3.2	8.8
CHLORIDE=	12	4.9	3.7	6.2
TURBIDTY=	12	14	2.1	70
TOT_AL=	12	0.14	0.01	0.41
DIS_AL=	12	0.05	<0.01	0.17
TOT_AS=	12	<0.001	<0.001	<0.001
TOT_CD=	12	<0.001	<0.001	0.001
TOT_CA=	12	4.1	2.4	5.5
DIS_CA=	12	3.9	1.7	5.8
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.004
DIS_CU=	8	0.002	0.001	0.005
TOT_FE=	12	0.70	0.27	1.4
DIS_FE=	12	0.16	<0.05	0.47
TOT_PB=	12	<0.002	<0.002	0.004
DIS_PB=	4	<0.002	<0.002	0.004
TOT_MN=	12	0.29	0.06	0.56
DIS_MN=	12	0.15	<0.02	0.37
TOT_MG=	12	1.8	1.2	2.5
DIS_MG=	12	1.6	0.87	2.2
TOT_HG=	12	<0.0001	<0.0001	<0.0001
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	5	<0.01	<0.01	0.01
DIS_K=	12	1.8	0.72	2.5
TOT_SE=	12	<0.001	<0.001	0.001
DIS_SE=	1	<0.001	<0.001	<0.001
TOT_NA=	12	4.3	3.6	5.5
DIS_NA=	12	4.4	3.3	5.3
TOT_ZN=	12	<0.02	<0.02	0.06
DIS_ZN=	3	<0.02	<0.02	<0.02

LOCATION=SH1 YR_SAM=83 STATION=S2 DEPTH=BOT

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	6.9	6.5	7.5
TOT_ALK=	12	13	0.9	21
CONDUCT=	12	58	38	68
HARDCALC=	12	16	7.9	24
AMMONIA=	11	0.14	<0.02	0.32
TOT_N=	12	0.53	0.17	0.8
NITANITI=	12	0.07	<0.01	0.21
TOC=	12	8.8	6.1	12
DORGC=	8	8.6	6.2	12
TOT_PHOS=	12	0.029	0.011	0.046
TDISPHOS=	12	0.008	0.004	0.023
DMRP=	12	0.002	<0.001	0.008
TSOLIDS=	12	79	55	114
TSSOLIDS=	12	12	2	31
TDSOLIDS=	12	44	14	71
SULFATE=	12	6	4	8.8
CHLORIDE=	12	4.8	3.4	6.5
TURBIDTY=	12	17	2.8	70
TOT_AL=	12	0.16	0.02	0.49
DIS_AL=	11	0.05	<0.01	0.18
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	0.001
TOT_CA=	12	4.1	2.4	5.6
DIS_CA=	12	3.8	1.7	5.9
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.004
DIS_CU=	9	0.003	0.001	0.007
TOT_FE=	12	0.95	0.37	2.4
DIS_FE=	12	0.17	<0.05	0.48
TOT_PB=	12	<0.002	<0.002	0.008
DIS_PB=	6	<0.002	<0.002	0.003
TOT_MN=	12	0.73	0.08	2.6
DIS_MN=	12	0.54	<0.02	2.3
TOT_MG=	12	1.8	1.2	2.5
DIS_MG=	12	1.6	0.88	2.2
TOT_HG=	12	<0.0001	<0.0001	0.0001
TOT_NI=	12	<0.01	<0.01	0.03
DIS_NI=	4	<0.01	<0.01	0.01
DIS_K=	12	1.7	0.65	2.5
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	4.4	3.6	5.2
DIS_NA=	12	4.2	3.2	5.1
TOT_ZN=	12	<0.02	<0.02	0.03
DIS_ZN=	2	0.02	<0.02	0.03

LOCATION=SH1 YR_SAM=83 STATION=V3 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.2	7	7.8
TOT_ALK=	12	17	13	22
CONDUCT=	12	66	60	76
HARDCALC=	12	19	16	23
AMMONIA=	11	0.11	<0.02	0.34
TOT_N=	12	0.44	0.15	0.93
NITANITI=	12	0.11	<0.01	0.27
TOC=	12	7.8	7	8.5
DORGC=	9	7.2	2.6	9.1
TOT_PHOS=	12	0.029	0.01	0.09
TDISPHOS=	12	0.010	0.002	0.046
DMRP=	12	0.003	<0.001	0.01
TSOLIDS=	12	75	52	95
TSSOLIDS=	12	13	4	26
TDSOLIDS=	12	46	<1	64
SULFATE=	12	6	4.3	7.8
CHLORIDE=	12	5.3	4.8	6.1
TURBIDTY=	12	24	2.4	96
TOT_AL=	12	0.17	0.03	0.45
DIS_AL=	12	0.04	<0.01	0.12
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	0.002
TOT_CA=	12	5.0	4.5	5.6
DIS_CA=	12	4.6	3.7	5.6
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.002	<0.001	0.007
DIS_CU=	7	0.003	0.001	0.005
TOT_FE=	12	0.67	0.19	1.2
DIS_FE=	12	0.17	<0.05	0.29
TOT_PB=	12	0.002	<0.002	0.008
DIS_PB=	7	<0.002	<0.002	0.003
TOT_MN=	12	0.24	0.09	0.69
DIS_MN=	12	0.14	<0.02	0.52
TOT_MG=	12	1.9	1.7	2.2
DIS_MG=	12	1.7	1.2	2.2
TOT_HG=	12	0.0001	<0.0001	0.0007
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	5	<0.01	<0.01	0.01
DIS_K=	12	2.1	1.7	2.7
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	4.8	4.2	5.2
DIS_NA=	12	4.7	4.2	5.2
TOT_ZN=	12	<0.02	<0.02	<0.02
DIS_ZN=				

LOCATION=SH1 YR_SAM=83 STATION=V3 DEPTH=BOT

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.3	6.9	7.8
TOT_ALK=	12	24	12	56
CONDUCT=	12	76	60	108
HARDCALC=	12	22	15	37
AMMONIA=	11	0.19	<0.02	0.87
TOT_N=	12	0.57	0.14	1
NITANITI=	12	0.12	<0.01	0.3
TOC=	12	7.8	5.9	11
DORGC=	7	7.7	6	9.2
TOT_PHOS=	12	0.049	0.008	0.09
TDISPHOS=	11	0.005	<0.002	0.011
DMRP=	12	<0.005	<0.001	0.01
TSOLIDS=	12	143	83	252
TSSOLIDS=	12	70	6	211
TDSOLIDS=	12	49	4	94
SULFATE=	12	5	1.9	8.1
CHLORIDE=	12	5.4	4.9	6
TURBIDTY=	12	120	7.2	450
TOT_AL=	12	0.78	0.06	2.5
DIS_AL=	12	0.05	<0.01	0.15
TOT_AS=	12	0.001	<0.001	0.003
TOT_CD=	12	<0.001	<0.001	<0.001
TOT_CA=	12	6.3	4.7	10
DIS_CA=	12	5.6	3.6	9.6
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.004	<0.001	0.018
DIS_CU=	8	0.003	<0.001	0.006
TOT_FE=	12	2.53	0.36	7.6
DIS_FE=	12	0.39	<0.05	1.8
TOT_PB=	12	0.002	<0.002	0.008
DIS_PB=	7	<0.002	<0.002	0.004
TOT_MN=	12	1.59	0.15	6
DIS_MN=	12	1.35	<0.02	5.7
TOT_MG=	12	2.4	1.9	3.3
DIS_MG=	12	2.0	1.5	3.1
TOT_HG=	12	<0.0001	<0.0001	<0.0001
TOT_NI=	12	<0.01	<0.01	0.02
DIS_NI=	8	<0.01	<0.01	0.01
DIS_K=	12	2.0	1.4	2.5
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	5.0	4.2	5.8
DIS_NA=	12	4.8	4.4	5.6
TOT_ZN=	12	<0.02	<0.02	0.03
DIS_ZN=	4	<0.02	<0.02	<0.02

LOCATION=SH1 YR_SAM=83 STATION=Z1 DEPTH=SUR

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	12	7.4	7.2	8.7
TOT_ALK=	12	22	16	28
CONDUCT=	12	84	73	96
HARDCALC=	12	24	16	33
AMMONIA=	11	0.06	<0.02	0.12
TOT_N=	11	0.40	0.03	0.6
NITANITI=	11	0.05	<0.01	0.11
TOC=	12	8.7	7.7	10
DORGC=	10	8.8	7.4	10
TOT_PHOS=	12	0.019	0.003	0.07
TDISPHOS=	12	0.009	0.001	0.05
DMRP=	12	0.002	<0.001	0.008
TSOLIDS=	12	79	55	105
TSSOLIDS=	12	10	<1	43
TDSOLIDS=	12	52	<1	70
SULFATE=	12	8	5.2	9.4
CHLORIDE=	12	7.2	6.6	8.4
TURBIDTY=	12	20	1.2	79
TOT_AL=	12	0.20	0.02	0.68
DIS_AL=	12	0.05	<0.01	0.14
TOT_AS=	12	<0.001	<0.001	0.001
TOT_CD=	12	<0.001	<0.001	<0.001
TOT_CA=	12	6.4	5.3	8.1
DIS_CA=	12	5.9	3.9	8.4
TOT_CR=	12	<0.005	<0.005	<0.005
TOT_CU=	12	0.003	<0.001	0.006
DIS_CU=	10	0.003	0.001	0.006
TOT_FE=	12	0.58	0.15	0.9
DIS_FE=	12	0.19	<0.05	0.51
TOT_PB=	12	0.002	<0.002	0.011
DIS_PB=	4	0.004	<0.002	0.006
TOT_MN=	12	0.09	0.03	0.27
DIS_MN=	12	0.04	<0.02	0.19
TOT_MG=	12	2.3	1.7	2.8
DIS_MG=	12	2.1	1.6	2.8
TOT_HG=	12	<0.0001	<0.0001	<0.0001
TOT_NI=	12	<0.01	<0.01	0.01
DIS_NI=	3	<0.01	<0.01	0.01
DIS_K=	12	1.9	1.1	2.6
TOT_SE=	12	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	12	7.5	6.7	8.2
DIS_NA=	12	7.3	6.4	8
TOT_ZN=	12	<0.02	<0.02	0.02
DIS_ZN=	2	<0.02	<0.02	0.02

LOCATION=SH1 YR_SAM=83 STATION=Z1 DEPTH=BOT

CHEMICAL	N	MEAN	MIN	MAX
LAB_PH=	11	7.4	7	8.7
TOT_ALK=	11	22	17	30
CONDUCT=	11	84	78	95
HARDCALC=	11	23	16	32
AMMONIA=	10	0.05	<0.02	0.13
TOT_N=	10	0.47	0.17	0.75
NITANITI=	11	0.06	<0.01	0.12
TOC=	11	8.6	7.6	9.5
DORGC=	8	8.5	7.4	9.9
TOT_PHOS=	11	0.025	0.011	0.05
TDISPHOS=	11	0.008	0.001	0.022
DMRP=	11	0.002	<0.001	0.007
TSOLIDS=	11	106	65	262
TSSOLIDS=	11	37	1	242
TDSOLIDS=	11	51	8	97
SULFATE=	11	8	5.2	10
CHLORIDE=	11	7.1	6.3	7.7
TURBIDTY=	11	26	1.96	90
TOT_AL=	11	0.36	0.03	1.9
DIS_AL=	11	0.05	0.01	0.11
TOT_AS=	11	<0.001	<0.001	0.002
TOT_CD=	11	<0.001	<0.001	<0.001
TOT_CA=	11	6.5	5.6	8.4
DIS_CA=	11	5.8	3.9	8.3
TOT_CR=	11	<0.005	<0.005	<0.005
TOT_CU=	11	0.002	<0.001	0.005
DIS_CU=	6	0.004	0.001	0.005
TOT_FE=	11	0.93	0.24	3.4
DIS_FE=	11	0.20	<0.05	0.47
TOT_PB=	11	0.002	<0.002	0.006
DIS_PB=	5	0.002	<0.002	0.003
TOT_MN=	11	0.46	0.03	3
DIS_MN=	11	0.30	<0.02	2.8
TOT_MG=	11	2.4	2.1	3
DIS_MG=	11	2.1	1.6	2.8
TOT_HG=	11	<0.0001	<0.0001	<0.0001
TOT_NI=	11	<0.01	<0.01	0.02
DIS_NI=	3	0.01	<0.01	0.02
DIS_K=	11	1.8	1.3	2.4
TOT_SE=	11	<0.001	<0.001	<0.001
DIS_SE=				
TOT_NA=	11	7.5	6.9	8.1
DIS_NA=	11	7.3	6.5	8
TOT_ZN=	11	0.03	<0.02	0.13
DIS_ZN=	2	<0.02	<0.02	<0.02