

Lyman Lakes

1986 Water Quality Data



interpoll

INTERPOLL INC.
4500 BALL ROAD N.E.
CIRCLE PINES, MINNESOTA 55014
612/786-6020

Schilling Environmental Consultants
2785 White Bear Avenue
Suite 210
Maplewood, Minnesota 55109

Attention: Joel Schilling

LABORATORY REPORT: #3312
SAMPLES COLLECTED: March 17-19, 1986
SAMPLES RECEIVED: March 20, 1986

March 31, 1986

Sample Identification:

Carleton	Carleton
College	College
Rainstorm	Rainstorm
Event	Event
Lower Drum <i>Dam</i>	Upper Drum <i>Dam</i>
<u>3312-01</u>	<u>3312-02</u>

Laboratory Log Number:

Parameter, mg/L

pH	7.5	7.7
Total suspended solids	9	19
Volatile suspended solids	LT 1	7
Total alkalinity as CaCO ₃	140	143
Total Kjeldahl nitrogen	1.1	1.2
Nitrate/nitrite nitrogen	3.8	5.8
Total phosphorus	0.34	0.45

Respectfully submitted,

Richard R. Dahl
Director of Analytical Services

RRD/kp
Invoice Enclosed

LT = less than



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Maplewood, Minnesota 55109

Attention: Joel Schilling

LABORATORY REPORT: #3336
SAMPLES RECEIVED: March 31, 1986

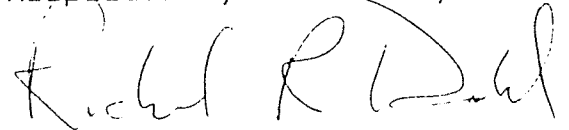
April 24, 1986

Sample Identification:	Upper Dam 3/22-23/86 Composite	Upper Dam 3/24-26/86 Composite
Laboratory Log Number:	<u>3336-01</u>	<u>3336-02</u>

<u>Parameter</u>	<u>Units</u>		
pH		7.9	7.8
Total suspended solids	mg/L	51	38
Suspended Volatile solids	mg/L	6	9
Total Alkalinity as CaCO ₃	mg/L	172	169
Kjeldahl Nitrogen	mg/L	2.0	1.8
Nitrate-Nitrite Nitrogen	mg/L	7.8	10.1
Total Phosphorus	mg/L	0.54	0.47

		Lower Dam 3/22-23/86 Composite <u>3336-04</u>	Lower Dam 3/24-26/86 Composite <u>3336-04</u>
pH		7.8	7.8
Total suspended solids	mg/L	< 1	< 1
Suspended Volatile solids	mg/L	< 1	< 1
Total Alkalinity as CaCO ₃	mg/L	201	176
Kjeldahl Nitrogen	mg/L	1.4	2.2
Nitrate-Nitrite Nitrogen	mg/L	8.8	8.5
Total Phosphorus	mg/L	0.66	0.80

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LABORATORY REPORT: #3407
SAMPLES COLLECTED: April 14-15, 1986
SAMPLES RECEIVED: April 23, 1986

June 17, 1986

Sample Identification	Lower Dam Composite	Upper Dam Composite
Laboratory Log Number:	<u>3407-01</u>	<u>3407-02</u>
<u>Parameter, mg/L</u>		
pH	8.2	8.2
Total suspended solids	32	6
Volatile suspended solids	15	6
Total alkalinity as CaCO ₃	229	195
Nitrate-Nitrite "N"	6.9	7.4
Kjeldahl nitrogen	0.95	2.0
Total phosphorus	3.4	3.1

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LABORATORY REPORT: #3490
SAMPLES COLLECTED: April 27-29, 1986
SAMPLES RECEIVED: May 12, 1986

June 17, 1986

Sample Identification

Lyman Lakes Lower Dam Composite	Lyman Lakes Upper Dam Composite
<u>3490-01</u>	<u>3490-02</u>

Laboratory Log Number:

Parameter, mg/L

pH	7.8	7.7
Total suspended solids	37	68
Volatile suspended solids	18	22
Total alkalinity as CaCO ₃	190	187
Nitrate-Nitrite "N"	5.6	7.7
Kjeldahl nitrogen	1.6	1.8
Total phosphorus	3.7	4.5

Respectfully submitted,

Richard R. Dahl
Director of Analytical Services

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