Report of Analysis (Final)

City of Ottawa
Ottawa-Carleton Water Quality Laboratory
Transportation, Utilities and Public Works Department
Utility Services Branch
2731 Cassels St.
Ottawa, ON K2B 1A8

Report Date: 16-Jun-05 Report Number: L42893

Project ID: MUSEUM OF NATURE

Sampled by: ph

Site ID: LAKE NOTRE DAME

Submission Date: 31-May-05

Sample Results

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DATE	SAMPLE	CLIENT ID	COMMENTS	QUAL	ALUMINUM	Units	Flag	MDL	QUAL	ANTIMONY	Units	Flag	MDL	QUAL	BARIUM	Units	Flag
05-May-29	DC832	LAKE NOTRE DA	ME		0.004	mg/l		0.001	۸	0.002	mg/l	-	0.002		0.0096	mg/l	

05-May-29 DC832	LAKE NOTRE DAME	<	0.001 mg/l -	0.001	18.4 mg/l	0.008	2.7 mg/l
			5 · 5 · 5 · 1 · 1 · 1 · 1 · 1 · 1 · 1 ·	0.00		0.000	

General Comment:

- 1) The City of Ottawa laboratories are accredited for selected parameters by SCC/CAEAL and adhere to ISO17025 guidelines in the management and operation of it's laboratories
- 2) Results reported in this Report of Analysis relate to the samples as received at the laboratory; sampling procedure and equipment may significantly affect the quality of results.
- 3) Any information provided to the laboratory, and any results generated by the laboratory are accessible by the general public. Clients should not provide any confidential information to the lab.

Specific Comments:

Result Flag Legend

F: Calibration check failure; result suspect.

Q: Calibration check failure; investigated and results accepted.

D: Duplicate difference higher than desired. Possibly due to sample inhomogeneity.

Al: Spike recovery failure. Analytical interference suspected.

RM: Reference material result outside desired range.

HT: Analytical hold time exceeded.

B3: Analytical blank > 3 times and < 10 times MDL.

B10: Analytical blank > 10 times MDL.

TE: Toxicity effect observed for BOD test.

BL: Low background growth observed on test.

BM: Moderate background growth observed on test.

BH: High background growth observed on test.

SC: Test was sub-contracted to an external laboratory for analysis.

<: Result is less than the indicated concentration.

>: Result is greater than the indicated concentration.

Approved by: Michael Ziebell

Laboratory Services Supervisor Ottawa-Carleton Water Quality Laboratory (613)580-2424 ext 22836

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0.0005 <	0.0005	Flag	0.0005	^ QUAL	0.01	mg/l	Flag	МDГ 0.01	^ QUAL	CADMIUM CADMIOM CADMIOM	mg/l	Flag	0.0005	^ QUAL	CHROMIUM 0.0005	mg/l	Units	Flag	MD 0.0005	
	POTASSIUM			QUAL	SILICON	Units			QUAL	SODIUM	Units			QUAL	E.COLI		Units			QUAL

0.007	0.79 mg/l	0.001	2.1 mg/l	0.003	1.38 mg/l	0.07 E	2 CFU/100 mL	2	56
0.007	0.73 1119/1	0.001	2.111119/11	0.003	1.50[1119/1	0.07	2 01 0/100 IIIL		20

	mg/	
Units		Units
Flag		Flag
MDL	0.0005	
QUAL	5	QUAL
CHLORIDE	0.0025	COPPER
Units	mg/l	Units
Flag		Flag
MDL	0.0005	MDL
QUAL		QUAL
CONDUCTIVITY	0.026	IRON
Units	mg/l	Units
Flag		Flag
MDL	0.001	MDL
QUAL	<	QUAL
AMMONIA+AMMONIUM	0.001	LEAD
Units	mg/l	Units
Flag	-	Flag
MDL	0.001	МРЬ
QUAL		QUAL
NITRATE+NITRITE	0.0067	MANGANESE
Units	mg/l	Units
Flag		Flag
MDL	0.0005	MDL

//		4.6 //	~ 4	1 440 0/	_	0 0 4 4 1 11	0 000	0.000 //	
Img/L-CaCO3 I	1 1	1 6 ma/1 l	() 1	1 110 LuS/cm I	h	I 0.011Ima/II	0.003 <	I 0.0031ma/LI	0.003
IIIIu/L-Cacos I		1.011110/11	() (1 19103/6111		1 0.01111114/11	() () () ()	1 0 00311110/11	1 () ()(.)
g/ = 04000	•	1.019/.	V		_	0.0.1.1.1.9/.1	0.000	0.000 g/.	0.000

QUAL	^ QUAL
ЬН	MOLYBDENUM 200000
Units	mg/l
Flag	Flag
MDL	0.0005
QUAL	^ QUAL
REACTIVE PHOSPHORUS	NICKEL NICKEL
Units	mg/l // Units
Flag	Flag
MDL	MDL 0.001
QUAL	QUAL
SULPHATE	0.006
Units	mg/l / Units
Flag	Flag
MDL	0.002
QUAL	QUAL
TOTAL KJELDAHL NITROGE	STRONTIUM 0.048
Units	mg/l Units
Flag	Flag
MDL	0.0005
QUAL	^ QUAL
TOTAL PHOSPHORUS	N L 0.0005
Units	mg/l
Flag	Flag
MDL	MDL 0.0005

П	7 04 pH	0.01	0.002 mg/l	0.002	5.3 mg/l	0.1	0.26 mg/l	0.02	0.008	ma/l	0.005
	7.94[pH	0.01	0.003 mg/I	0.002	5.3[mg/i]	0.1	U.26 mg/i	0.02	0.000	mg/i	0.005

	MOIN					MOIN					NDIUM			
QUAL	TITAN	Units	Flag	MDL	QUAL	URAN	Units	Flag	MDL	QUAL	VANA	Units	Flag	MDL
<	0.0005	mg/l		0.0005	<	0.005	mg/l	-	0.005	<	0.0005	mg/l		0.0005