LAC NOTRE-DAME AND USHER LAKE WATER TESTING – CHEMISTRY RESULTS JULY 4 2005

Chemistry results	Testing sites						
	Usher Lake	#1	#2	#3	#5	#6	#7
Nutrients							
1) Total Phosphorus	9 ug/L	8 ug/L	7 ug/L	8 ug/L	7 ug/L	6 ug/L	6 ug/L
2) Total Nitrogen	360 ug/L	270 ug/L	270 ug/L	290 ug/L	240 ug/L	230 ug/L	250 ug/L
3) Dissolved organic carbon	5.2 mg/L	4.4 mg/L	4.3 mg/L	3. mg/L	4.3 mg/L	4.1 mg/L	4 mg/L
Salts (Cations)							
1) Calcium	25 mg/L	19.2 mg/L	19.2 mg/L	19.4 mg/L	18.9 mg/L	19.3 mg/L	19.5 mg/L
2) Sodium	1.54 mg/L	1.64 mg/L	1.46 mg/L	1.59 mg/L	1.65 mg/L	1.62 mg/L	1.59 mg/L
3) Magnesium	3.1 mg/L	2.8 mg/L	2.7 mg/L	2.8 mg/L	2.7 mg/L	2.7 mg/L	2. mg/L
4) Potassium	0.78 mg/L	0.66 mg/L	0.69 mg/L	0.71 mg/L	0.83 mg/L	0.67 mg/L	0.68 mg/L
Metals							
1) Aluminium	6 ug/L	3 ug/L	4 ug/L	7 ug/L	2 ug/L	3 ug/L	1 ug/L
2) Barium	11.1 ug/L	9.6 ug/L	9.1 ug/L	9.4 ug/L	9.5 ug/L	9.1 ug/L	9.1 ug/L
3) Chromium	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L	0.5 ug/L
4) Copper							
5) Iron	30 ug/L	81 ug/L	37 ug/L	47 ug/L	37 ug/L	36 ug/L	42 ug/L
6) Manganese	15.4 ug/L	12 ug/L	11.2 ug/L	15.7 ug/L	11.8 ug/L	10.9 ug/L	12.3 ug/L
7) Strontium	5.6 ug/L	5 ug/L	4. ug/L	5 ug/L	5.1 ug/L	4.9 ug/L	4.9 ug/L
8) Mercury not measured							
Alkalinity	72 mg/L	58 mg/L	57 mg/L	56 mg/L	58 mg/L	58 mg/L	57 mg/L
Chloride	0.6 mg/L	1.2 mg/L	1.3 mg/L	1.3 mg/L	1.3 mg/L	1.3 mg/L	1.3 mg/L
PH	8.38	8.13	8.38	8.17	8.27	8.32	8.30
Conductivity	150	126	125	125	126	125	125
Bacteria							
1) E. coli	2	2	2	4	2	2	2