

Water Quality Data Sheet

Lake: Alice

Data Recorder: Roberto James Palma

Date: 22 JAN 2009

Group #: 1

Station 1: Deep Hole

Secchi (ft) 5.5 Ambient Temp. (°C) 12.2

Depth (m)	Temp. (°C)	Oxygen (mg/L)
⊙ (surface)	<u>12.2</u>	<u>9.78</u>
<u>0.5</u>	<u>10.8</u>	<u>9.96</u>
<u>1.0</u>	<u>10.2</u>	<u>9.72</u>
<u>1.5</u>	<u>10.1</u>	<u>9.71</u>
<u>2.0</u>	<u>10.1</u>	<u>9.69</u>
<u>2.5</u>	<u>9.7</u>	<u>8.65</u>
<u>3.0 (bottom)</u>	<u>9.7</u>	<u>8.60</u>

Station 2: By Pilings

Secchi (ft) 2.7 Ambient Temp. (°C) 13.0

Depth (m)	Temp. (°C)	Oxygen (mg/L)
Surface	<u>12.9</u>	<u>9.98</u>
1 (bottom)	<u>11.7</u>	<u>10.11</u>
Bottom		

Station 3: Marsh

Secchi (ft) 3' (bottom) Ambient Temp. (°C) 11.7

Depth (m)	Temp. (°C)	Oxygen (mg/L)
Under Plants	<u>11.9</u>	<u>9.43</u>
Surface outside plants	<u>11.8</u>	<u>9.25</u>
Bottom outside plants	<u>11.5</u>	<u>8.88</u>

Station 4: Bridge North South Drive

Secchi (ft) _____ Ambient Temp. (°C) _____

Depth (m)	Temp. (°C)	Oxygen (mg/L)
Surface	_____	_____
Bottom	_____	_____

Station 5: Hume Pond

Secchi (ft) _____ Ambient Temp. (°C) _____

Depth (m)	Temp. (°C)	Oxygen (mg/L)
Surface	_____	_____

Group # 1

Station	Depth	Date	pH	mg/L total alkalinity	mg/L total hardness	mg/L chloride	Conductivity µS @ 25°	µg/L chlorophyll	mg/L total phosphorus
1	Surface	01-22-09	8.2	81	134	40	375	0.91	0.612
	1 m		8.2	82	132	39.5	309	0.91	0.626
	2 m		8.2	81	132	40	374	1.25	0.603
2	Surface		8.3	81	134	40.5	374	1.02	0.619
	1 m		8.3	81	132	38.5	373	1.13	0.616
3	Surface		8.2	83	134	39	374	1.14	0.619
4	Surface								
5	Surface								

Sta 1 = deep hole
 Sta 2 = mid-lake
 Sta 3 = edge of marsh
 Sta 4 = storm water inflow
 Sta 5 = Hume Pond