

Verso Paper/NewPage Corporation
2006 Gulf Island Pond Water Quality Study
Dissolved Oxygen and Temperature Profiles

Week 1 AM: 06/06/2006

River Flow (Jay, Maine): 9,437 cfs

Weather: Foggy, cloudy, cool

Air Temperature: 50 deg. F (10 deg. C)

Comments: Had to reset buoy @ Lower Narrows; had been moved (possibly by float plane attachment). Pond calm. No sign of algae at any locati

AM Meter Verification: Before Sampling					AM Meter Verification: After Sampling				
Model	Use	DO(mg/L)	Temp. (°C)	Calibrated	Model	Use	DO(mg/L)	Temp. (°C)	Calibrated
YSI 85	Primary	7.7	15.7	Y	YSI 85	Primary	9.2	20.1	Y
YSI 55	Comparison	7.7	15.6	Y	YSI 55	Comparison	9.1	20.1	Y

Depth (m)	Twin Bridges		Turner Bridge		Upper Narrows		Lower Narrows		Dup. -Lower Narrows		GIP 4		Deep Hole	
	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)
0			9.4	15.0	9.4	15.6	7.9	16.6	7.9	16.6	7.6	17.7	6.9	19.3
1			9.3	15.0	9.3	15.7	8.0	16.2	8.0	16.2	7.6	17.3	7.1	18.2
2			9.4	15.0	9.3	15.7	8.3	16.2	8.3	16.2	7.6	17.1	7.4	18.1
3			9.4	15.0	9.2	15.7	8.5	16.2	8.5	16.2	7.7	16.9	7.1	18.1
4			9.3	15.1	9.4	15.7	8.4	16.2	8.4	16.2	7.5	16.7	7.4	18.1
5			9.4	15.0	9.2	15.7	8.4	16.1	8.4	16.1	7.8	16.7	7.4	17.8
6			9.3	15.0	9.1	15.7	8.4	16.1	8.4	16.1	7.8	16.6	7.4	17.8
7			9.4	15.0	9.3	15.7	8.4	16.1	8.4	16.1	7.9	16.6	7.6	17.6
8			9.4	15.0	9.4	15.7	8.4	16.0	8.4	16.0	7.9	16.5	7.4	17.4
9			9.4	15.0	7.9	15.7	8.4	16.1	8.4	16.1	7.8	16.5	7.3	17.3
10			9.4	15.0	8.5	15.9	8.4	16.0	8.4	16.0	7.7	16.5	7.4	17.1
11			9.4	15.0			8.4	16.0	8.4	16.0	7.6	16.5	7.6	16.9
12							8.5	16.0	8.5	16.0	7.6	16.5	7.7	16.8
13							8.3	16.0	8.3	16.0	7.4	16.5	7.5	16.8
14							8.4	16.0	8.4	16.0	7.4	16.4	7.5	16.8
15							8.4	16.0	8.4	16.0	7.4	16.4	7.4	16.8
16							8.5	16.0	8.5	16.0	2.3	16.4	7.4	16.8
17							8.3	16.0	8.3	16.0			7.6	16.8
18													7.4	16.7
19													7.1	16.3
20													7.3	16.7
21													7.2	16.6
22													5.2	13.2
23													4.2	12.6
24													0.1	12.4
25													0.1	12.4

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2006 Gulf Island Pond Water Quality Study
Dissolved Oxygen and Temperature Profiles

Week 1 PM: 06/06/2006

River Flow (Jay, Maine): 9,437 cfs

Weather: Sunny, slight breeze

Air Temperature: 70 deg. F (21 deg. C)

Comments: Pond relatively calm. No sign of algae at any location

PM Meter Verification: Before Sampling					PM Meter Verification: After Sampling				
Model	Use	DO(mg/L)	Temp. (°C)	Calibrated	Model	Use	DO(mg/L)	Temp. (°C)	Calibrated
YSI 85	Primary	8.7	20.3	Y	YSI 85	Primary	9.6	16.8	Y
YSI 55	Comparison	8.7	20.1	Y	YSI 55	Comparison	9.6	16.8	Y

Depth (m)	Twin Bridges		Turner Bridge		Upper Narrows		Lower Narrows		GIP 4		Deep Hole	
	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)	DO (mg/L)	Temp. (°C)
0	9.6	16.7	10.3	16.0	9.8	16.7	8.3	21.3	8.2	21.4	7.9	21.0
1			10.2	15.9	9.8	16.4	8.1	20.7	8.0	19.8	7.6	18.4
2			10.3	15.8	10.0	16.2	8.7	18.1	8.4	17.0	7.7	18.1
3			10.3	15.8	10.0	16.1	9.0	17.2	8.2	16.9	7.9	17.9
4			10.3	15.8	9.9	15.6	9.2	16.8	8.4	16.7	7.8	17.8
5			10.3	15.8	10.0	15.7	9.3	16.1	8.4	16.7	7.8	17.6
6			10.2	15.8	10.0	15.4	9.4	16.0	8.3	16.7	8.0	17.1
7			10.2	15.8	9.8	15.4	9.5	16.0	8.4	16.6	8.3	17.0
8			10.2	15.8	9.9	15.4	9.4	16.0	8.3	16.5	8.3	16.9
9			10.1	15.8	7.8	15.4	9.5	15.9	8.4	16.5	8.4	16.9
10			10.1	15.8	8.1	15.4	9.4	15.9	8.4	16.5	8.0	16.8
11							9.6	15.9	8.4	16.5	8.0	16.8
12							9.7	15.7	8.4	16.4	8.0	16.7
13							9.7	15.7	8.6	16.3	8.1	16.7
14							9.6	15.7	8.5	16.2	8.2	16.7
15							9.7	15.7	8.5	16.2	7.9	16.7
16							9.6	15.6	8.5	16.1	8.2	16.6
17							9.7	15.6	0.1	16.1	8.2	16.6
18											8.1	16.5
19											8.5	16.5
20											8.5	16.5
21											8.2	16.5
22											8.2	16.4
23											7.5	15.8
24											4.6	12.6
25											0.1	12.4