

## **SPRUCE CREEK WATER QUALITY ASSESSMENT**

**June 6 through September 26, 2006**

<http://www.sprucecreekassociation.org/monitoring.html>

### **READINGS**

Tidal water is classified as SA, SB, SC from best to worse. Spruce Creek is classified as SB (tidal sections) and B (non-tidal sections). In terms of DO, the minimum standard for SB is 85% saturation at any time. The minimum standard for B is 75% saturation or 7 mg/l whichever is greater.

The oxygen holding capacity of water is a function of temperature and salinity. It is possible for water to hold >100% capacity when the input of oxygen from algae or plants is greater than the transfer of oxygen to the air.

### **SITES**

Site 1 = Bond Road by Spruce & Barbers Creeks

Site 2 = Eagle Point in Admiralty Village

Site 3 = Above Roger's Park

Site 4 = Trading Post

Site 5 = Picot Road

Site 6 = Wilson Road/Route 101

### **Sponsors/Reviewers**

Malcom Burson

Maine Department of Environmental Protection

17 State House Station

Augusta, Me. 04333-0017

[Malcolm.c.burson@maine.gov](mailto:Malcolm.c.burson@maine.gov)

Phone (207) 287-7755

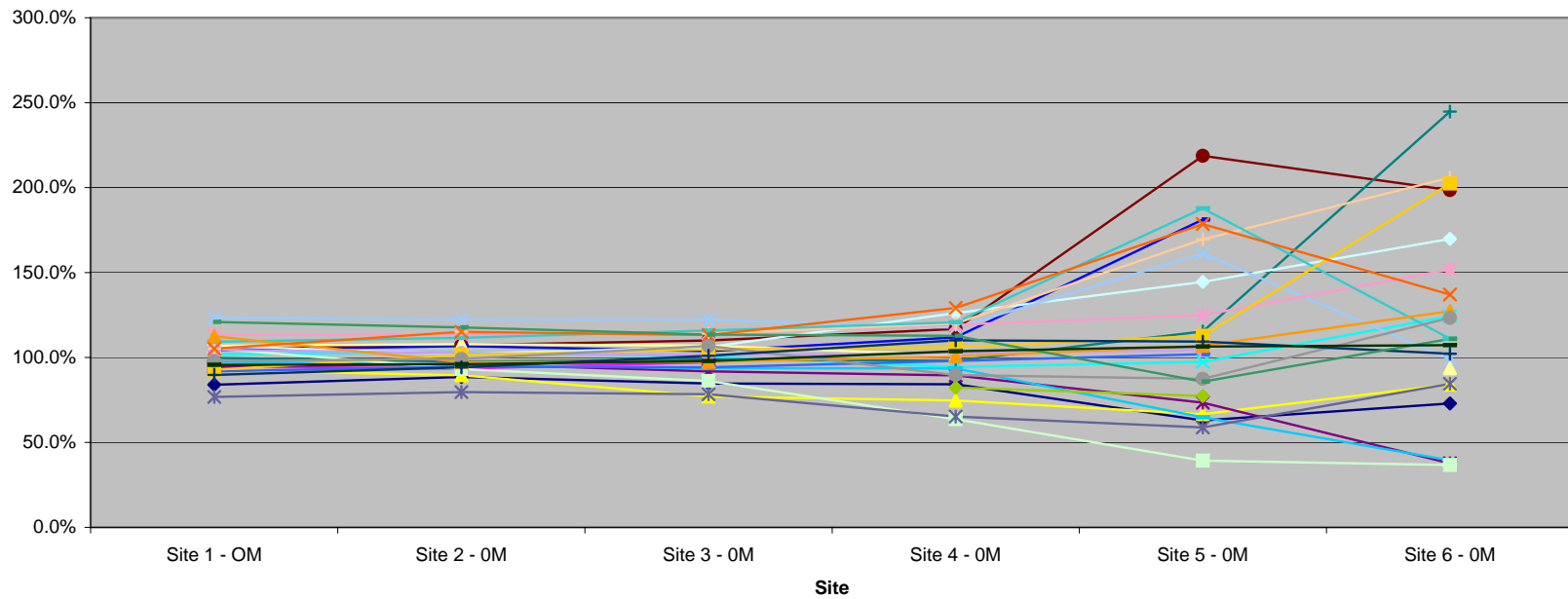
Fax (207) 287-2814

Dave Miller

[Dave.B.Miller@maine.gov](mailto:Dave.B.Miller@maine.gov)



**Spruce Creek Water Quality Assessment**  
**% DO Saturation (Summer 2006)**  
*OM Measurements Only*



- |               |               |               |               |               |               |               |
|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 06.06.06 am h | 06.06.06 pm l | 06.13.06 am l | 06.13.06 pm h | 06.20.06 am h | 06.20.06 pm l | 06.27.06 am h |
| 06.27.06 pm l | 07.05.06 am h | 07.05.06 pm l | 07.11.06 am l | 07.11.06 pm h | 07.18.06 am l | 07.18.06 pm h |
| 07.25.06 am h | 07.25.06 pm l | 08.08.06 am h | 08.08.06 pm l | 08.15.06 am l | 08.15.06 pm h | 08.22.06 am h |
| 08.22.06 pm l | 08.29.06 am l | 08.29.06 pm h | 09.05.06 pm l | 09.12.06 am l | 09.12.06 pm h |               |

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/06/06						
<b>Time</b>	0620						
<b>Monitors</b>	Marilyn & Marge						
<b>Weather Comments</b>	Calm, clear, SUNNY						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Calm						
<b>Wind Direction</b>	-						
<b>Waves</b>	Calm						
<b>Tide</b>	High - 07:34 / 7.7 ft						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	0728	DO (mg/L)	91.0	91.0	93.5	94.7	<b>** NOTE **</b> Measurements for DO taken in % air saturation. Used (%AirSat x 8.22)/100 to calculate mg/L.
		Temp (oC)	14.8	14.7	14.5	14.0	
		Salinity (ppt)	20.8	21.0	21.6	23.4	
Site 2: Eagle Pt	0718	DO (mg/L)	96.0	94.9	95.5	95.7	
		Temp (oC)	14.9	14.8	14.5	14.4	
		Salinity (ppt)	20.5	21.4	22.6	23.0	
Site 3: Moffat's Dock	0708	DO (mg/L)	93.0	94.0	94.5	92.0	Heavy surface pollen
		Temp (oC)	14.7	14.8	14.6	14.6	
		Salinity (ppt)	19.0	20.8	21.9	23.2	
Site 4: Trading Post	0801	DO (mg/L)	90.0				No float, still water, film on top
		Temp (oC)	15.9				
		Salinity (ppt)	19.5				
Site 5: Picott Rd	0753	DO (mg/L)	77.5	76.4			Moderate flow, pollen
		Temp (oC)	14.7	14.7			
		Salinity (ppt)	0.5	0.5			
Site 6: Wilson Rd	0747	DO (mg/L)	91.2				Rapid flow
		Temp (oC)	14.1				
		Salinity (ppt)	0.1				
Repeat Site: 3	0708	DO (mg/L)	94.0	93.0	93.7	92.0	
		Temp (oC)	14.8	14.8	14.6	14.6	
		Salinity (ppt)	20.0	20.8	21.9	22.9	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	14.8	20.8	7.5	83.9%	
		Site 1 - 1M	14.7	21.0	7.5	83.9%	
		Site 1 - 2M	14.5	21.6	7.7	86.1%	
		Site 1 - 3M	14.0	23.4	7.8	87.3%	
		Site 2 - OM	14.9	20.5	7.9	88.6%	
		Site 2 - 1M	14.8	21.4	7.8	87.8%	
		Site 2 - 2M	14.5	22.6	7.9	88.5%	
		Site 2 - 3M	14.4	23.0	7.9	88.7%	
		Site 3 - OM	14.7	19.0	7.6	84.7%	
		Site 3 - 1M	14.8	20.8	7.7	86.7%	
		Site 3 - 2M	14.6	21.9	7.8	87.4%	
		Site 3 - 3M	14.6	23.2	7.6	85.8%	
		Site 4 - OM	15.9	19.5	7.4	84.2%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	14.7	0.5	6.4	63.0%	
		Site 6 - OM	14.1	0.1	7.5	72.9%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/06/06						
<b>Time</b>	1213						
<b>Monitors</b>	Paula & Ron						
<b>Weather Comments</b>	Partly cloudy						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	-						
<b>Wind Direction</b>	-						
<b>Waves</b>	-						
<b>Tide</b>	Low - 13:48 / 1.6 ft						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1300	DO (mg/L)	8.1	8.1	8.0	8.0	Brown water, ripples
		Temp (oC)	16.8	16.7	16.4	16.1	
		Salinity (ppt)	20.7	20.9	20.8	21.2	
Site 2: Eagle Pt	1250	DO (mg/L)	7.9	8.3	8.4	8.4	Brown water, ripples
		Temp (oC)	17.7	16.5	16.1	15.9	
		Salinity (ppt)	20.0	20.8	21.1	21.3	
Site 3: Moffat's Dock	1220	DO (mg/L)	8.2	8.6	8.8		Brown water from hard rains previous days, small waves 3rd reading: 1.5M
		Temp (oC)	18.0	16.4	16.3		
		Salinity (ppt)	19.1	20.9	21.1		
Site 4: Trading Post	1313	DO (mg/L)					No float, brown water, out too far to reach DID NOT CALIBRATE FOR SALINITY
		Temp (oC)					
		Salinity (ppt)					
Site 5: Picott Rd	1306	DO (mg/L)	13.8				Good outward flow, green plant life on rocks DID NOT CALIBRATE FOR SALINITY
		Temp (oC)	19.8				
		Salinity (ppt)	0.2				
Site 6: Wilson Rd	1258	DO (mg/L)	9.0				Strong flow out, long green vegetation DID NOT CALIBRATE FOR SALINITY
		Temp (oC)	18.7				
		Salinity (ppt)	0.1				
Repeat Site: 2	1250	DO (mg/L)	8.0	8.4	8.5	8.5	
		Temp (oC)	17.7	16.5	16.1	15.8	
		Salinity (ppt)	20.1	20.8	21.0	21.2	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	16.8	20.7	8.1	94.6%	
		Site 1 - 1M	16.7	20.9	8.1	94.9%	
		Site 1 - 2M	16.4	20.8	8.0	92.7%	
		Site 1 - 3M	16.1	21.2	8.0	92.4%	
		Site 2 - OM	17.7	20.0	7.9	93.5%	
		Site 2 - 1M	16.5	20.8	8.3	96.4%	
		Site 2 - 2M	16.1	21.1	8.4	97.0%	
		Site 2 - 3M	15.9	21.3	8.4	96.7%	
		Site 3 - OM	18.0	19.1	8.2	97.1%	
		Site 3 - 1M	16.4	20.9	8.6	99.7%	
		Site 3 - 2M	16.3	21.1	8.8	102.0%	
		Site 3 - 3M					
		Site 4 - OM					
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM					
		Site 6 - OM					

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/13/06						
<b>Time</b>	0603						
<b>Monitors</b>	Carolyn & Paula						
<b>Weather Comments</b>	Calm wind, sprinkles off & on						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Calm						
<b>Wind Direction</b>	-						
<b>Waves</b>	-						
<b>Tide</b>	Low - 06:55 / 0.4 ft						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	0716	DO (mg/L)	8.3	8.2	8.4	8.2	Slight current, calm, seagulls
		Temp (oC)	14.7	14.4	14.3	14.2	
		Salinity (ppt)	20.1	20.3	20.6	20.8	
Site 2: Eagle Pt	0654	DO (mg/L)	7.9	7.7	7.9	8.2	Slight current
		Temp (oC)	15.7	15.4	15.2	14.7	
		Salinity (ppt)	19.5	19.6	20.0	20.6	
Site 3: Moffat's Dock	0650	DO (mg/L)	6.8	7.1			Calm, no animals, low tide, no flow, sprinkles stopped
		Temp (oC)	16.0	15.8			
		Salinity (ppt)	18.4	19.1			
Site 4: Trading Post	0804	DO (mg/L)	6.5				Clams squirting. Water calm.
		Temp (oC)	17.5				
		Salinity (ppt)	15.6				
Site 5: Picott Rd	0750	DO (mg/L)	6.4				Good flow. Green growth on rocks.
		Temp (oC)	17.0				
		Salinity (ppt)	1.0				
Site 6: Wilson Rd	0737	DO (mg/L)	8.3				Good flow out. Pooled water is swirling slightly. Slight odor - garbage.
		Temp (oC)	16.0				
		Salinity (ppt)	0.1				
Repeat Site: 2	0654	DO (mg/L)	7.9	7.8	7.9	8.1	
		Temp (oC)	15.8	15.5	15.1	14.7	
		Salinity (ppt)	19.4	19.6	20.0	20.7	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	14.7	20.1	8.3	92.5%	
		Site 1 - 1M	14.4	20.3	8.2	91.0%	
		Site 1 - 2M	14.3	20.6	8.4	93.2%	
		Site 1 - 3M	14.2	20.8	8.2	90.9%	
		Site 2 - OM	15.7	19.5	7.9	89.6%	
		Site 2 - 1M	15.4	19.6	7.7	86.8%	
		Site 2 - 2M	15.2	20.0	7.9	88.9%	
		Site 2 - 3M	14.7	20.6	8.2	91.7%	
		Site 3 - OM	16.0	18.4	6.8	77.1%	
		Site 3 - 1M	15.8	19.1	7.1	80.5%	
		Site 3 - 2M					
		Site 3 - 3M					
		Site 4 - OM	17.5	15.6	6.5	74.6%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	17.0	1.0	6.4	66.6%	
		Site 6 - OM	16.0	0.1	8.3	84.1%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/13/06						
<b>Time</b>	1245						
<b>Monitors</b>	Phyllis & Steve Bos						
<b>Weather Comments</b>	Sunny, breezy, puffy clouds						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>	E						
<b>Waves</b>	Ripples						
<b>Tide</b>	High - 13:03 / 8.5 ft						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1345	DO (mg/L)	9.0	9.1	9.2	9.5	Still murky, Used 18.6 sal
		Temp (oC)	16.0	15.5	14.7	13.2	
		Salinity (ppt)	18.3	18.4	19.1	22.0	
Site 2: Eagle Pt	1337	DO (mg/L)	8.9	9.0	9.2	9.2	Used 18.6 sal
		Temp (oC)	17.1	15.2	14.7	13.3	
		Salinity (ppt)	18.6	18.6	19.3	21.8	
Site 3: Moffat's Dock	1330	DO (mg/L)	8.9	8.9	9.0	9.0	Windy w/ripples. Used 18.5 sal.
		Temp (oC)	15.8	15.6	13.8	13.7	
		Salinity (ppt)	18.6	19.1	20.5	20.7	
Site 4: Trading Post	1245	DO (mg/L)	8.0				DO still wavering from 7.8 to 8.4 after a few minutes. Water flowing in.
		Temp (oC)	18.0				
		Salinity (ppt)	18.5				
Site 5: Picott Rd	1300	DO (mg/L)	7.9				Very dirty water - like coffee or tea. Used 7.5 sal. Water flowing in.
		Temp (oC)	23.7				
		Salinity (ppt)	7.5				
Site 6: Wilson Rd	1307	DO (mg/L)	11.1				Water flowing out. Used 0.1 sal. Four 5-inch fish darting around.
		Temp (oC)	20.9				
		Salinity (ppt)	0.1				
Repeat Site: 3	1335	DO (mg/L)	8.9	8.9	8.9	8.9	
		Temp (oC)	15.6	14.3	13.5	13.2	
		Salinity (ppt)	18.6	20.0	21.4	22.2	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	16.0	18.3	9.0	101.9%	
		Site 1 - 1M	15.5	18.4	9.1	102.1%	
		Site 1 - 2M	14.7	19.1	9.2	101.9%	
		Site 1 - 3M	13.2	22.0	9.5	103.9%	
		Site 2 - OM	17.1	18.6	8.9	103.2%	
		Site 2 - 1M	15.2	18.6	9.0	100.5%	
		Site 2 - 2M	14.7	19.3	9.2	102.1%	
		Site 2 - 3M	13.3	21.8	9.2	100.7%	
		Site 3 - OM	15.8	18.6	8.9	100.6%	
		Site 3 - 1M	15.6	19.1	8.9	100.5%	
		Site 3 - 2M	13.8	20.5	9.0	98.7%	
		Site 3 - 3M	13.7	20.7	9.0	98.6%	
		Site 4 - OM	18.0	18.5	8.0	94.4%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	23.7	7.5	7.9	97.4%	
		Site 6 - OM	20.9	0.1	11.1	124.3%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/20/06						
<b>Time</b>	0713						
<b>Monitors</b>	Marge & Paula						
<b>Weather Comments</b>	Humid, still air						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>							
<b>Wind Direction</b>	W						
<b>Waves</b>							
<b>Tide</b>	High - 06:50 / 8.9 ft						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	0739	Salinity (ppt)	24.1	24.1	24.5	26.1	Slight flow out, clam. Sal 24.2
		Temp (oC)	16.4	16.2	15.9	14.4	
		DO (mg/L)	8.0	8.0	8.2	8.6	
Site 2: Eagle Pt	0728	Salinity (ppt)	24.2	24.2	25.0	25.3	Very slight breeze, small ripples. Sal 24.2
		Temp (oC)	16.6	16.4	15.5	15.2	
		DO (mg/L)	8.1	8.2	8.5	8.6	
Site 3: Moffat's Dock	0713	Salinity (ppt)	23.8	24.0	24.5	24.9	Calm, no wind or current. Sal 23.8
		Temp (oC)	16.9	16.1	15.7	15.6	
		DO (mg/L)	7.7	8.3	8.4	8.4	
Site 4: Trading Post	0830	Salinity (ppt)	23.5	23.4	23.5		Dock in - yea! Some oil globs floating. In sun, warm. 3rd reading: 1.5M. Sal 23.5
		Temp (oC)	19.1	18.9	18.9		
		DO (mg/L)	7.2	7.3	7.3		
Site 5: Picott Rd	0819	Salinity (ppt)	21.0				Brown water, strong flow out. Same blotches of oil on top of water as at Wilson Rd. Pollen on water. Sal 21
		Temp (oC)	20.9				
		DO (mg/L)	5.8				
Site 6: Wilson Rd	0805	Salinity (ppt)	3.4				Flow out. Looks like oil on top of water. Brown water. School fo fish 12" long swimming up creek through culvert. Little fish hanging out in rocks. Sal 3.4
		Temp (oC)	22.5				
		DO (mg/L)	3.2				
Repeat Site: 1	0739	Salinity (ppt)	24.2	24.2	24.5	25.8	fish hanging out in rocks. Sal 3.4
		Temp (oC)	16.3	16.2	15.7	14.6	
		DO (mg/L)	8.0	8.1	8.2	8.6	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
NOTE: DO & Salinity data order changed			<b>Temp</b>	<b>Salinity</b>	<b>DO</b>	<b>Saturation</b>	
			C	ppt	ppm	%	
		Site 1 - OM	16.4	24.1	8.0	94.6%	
		Site 1 - 1M	16.2	24.1	8.0	94.2%	
		Site 1 - 2M	15.9	24.5	8.2	96.2%	
		Site 1 - 3M	14.4	26.1	8.6	98.9%	
		Site 2 - OM	16.6	24.2	8.1	96.2%	
		Site 2 - 1M	16.4	24.2	8.2	97.0%	
		Site 2 - 2M	15.5	25.0	8.5	99.3%	
		Site 2 - 3M	15.2	25.3	8.6	100.0%	
		Site 3 - OM	16.9	23.8	7.7	91.8%	
		Site 3 - 1M	16.1	24.0	8.3	97.5%	
		Site 3 - 2M	15.7	24.5	8.4	98.2%	
		Site 3 - 3M	15.6	24.9	8.4	98.2%	
		Site 4 - OM	19.1	23.5	7.2	89.4%	
		Site 4 - 1M	18.9	23.4	7.3	90.3%	
		Site 4 - 2M	18.9	23.5	7.3	90.3%	
		Site 5 - OM	20.9	21.0	5.8	73.4%	
		Site 6 - OM	22.5	3.4	3.2	37.7%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/20/06
<b>Time</b>	1230
<b>Monitors</b>	Phyllis & Marilyn
<b>Weather Comments</b>	Breezy
<b>Cloud Cover</b>	Partly cloudy
<b>Wind Conditions</b>	Breezy
<b>Wind Direction</b>	E
<b>Waves</b>	Small waves
<b>Tide</b>	Low - 13:07 / 0.3 ft

RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	1305	Salinity (ppt)	24.1	24.0	24.0	24.2	Sal 24.1
		Temp (oC)	19.1	18.9	18.1	17.4	
		DO (mg/L)	8.5	8.9	9.0	8.8	
Site 2: Eagle Pt	1255	Salinity (ppt)	23.7	23.7	23.7	23.8	Sal 23.7
		Temp (oC)	20.5	19.8	19.4	19.2	
		DO (mg/L)	8.4	8.5	8.6	8.5	
Site 3: Moffat's Dock	1245	Salinity (ppt)	23.3	23.4	23.8		3rd reading at 1.5M. Sal 23.3
		Temp (oC)	22.0	21.8	21.5		
		DO (mg/L)	8.4	8.7	9.0		
Site 4: Trading Post	1330	Salinity (ppt)	20.4				Dogs just here playing in water and mud - very stirred up. Floats on mud flats. Sal 20.4
		Temp (oC)	26.3				
		DO (mg/L)	8.4				
Site 5: Picott Rd	1345	Salinity (ppt)	8.1				Very low flow. Large dead fish under bridge. Sal 8.1
		Temp (oC)	29.3				
		DO (mg/L)	16.0				
Site 6: Wilson Rd	1335	Salinity (ppt)	0.2		0.2		Coffee-colored water. Matted algae on top. Some out flow. Sal 0.2
		Temp (oC)	26.3		26.2		
		DO (mg/L)	16.0		16.0		
Repeat Site: 5	1347	Salinity (ppt)	8.1				
		Temp (oC)	29.3				
		DO (mg/L)	16.4				

**Entered by** PMF  
**Proofed by** PL

		Temp	Salinity	DO	Saturation
		C	ppt	ppm	%
	Site 1 - OM	19.1	24.1	8.5	105.9%
	Site 1 - 1M	18.9	24.0	8.9	110.4%
	Site 1 - 2M	18.1	24.0	9.0	110.0%
	Site 1 - 3M	17.4	24.2	8.8	106.2%
	Site 2 - OM	20.5	23.7	8.4	107.2%
	Site 2 - 1M	19.8	23.7	8.5	107.1%
	Site 2 - 2M	19.4	23.7	8.6	107.6%
	Site 2 - 3M	19.2	23.8	8.5	106.0%
	Site 3 - OM	22.0	23.3	8.4	110.0%
	Site 3 - 1M	21.8	23.4	8.7	113.6%
	Site 3 - 2M	21.5	23.8	9.0	117.1%
	Site 3 - 3M				
	Site 4 - OM	26.3	20.4	8.4	116.8%
	Site 4 - 1M				
	Site 4 - 2M				
	Site 5 - OM	29.3	8.1	16.0	218.7%
	Site 6 - OM	26.3	0.2	16.0	198.5%

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/27/06						
<b>Time</b>	1230						
<b>Monitors</b>	Paula, Ron & Will						
<b>Weather Comments</b>	Humid, breezy						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>	SW						
<b>Waves</b>	Small Waves						
<b>Tide</b>	High - 12:30 / 9.9 ft						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1312	Salinity (ppt)	25.4	25.9	26.3	26.7	Slight waves. Sal 25.9
		Temp (oC)	16.8	16.1	15.7	15.0	
		DO (mg/L)	8.3	8.3	8.4	8.5	
Site 2: Eagle Pt	1302	Salinity (ppt)	25.5	25.5	25.5	25.7	Protected from wind; slight waves; sunny. Sal 25.9
		Temp (oC)	18.2	17.2	16.5	16.4	
		DO (mg/L)	7.9	7.9	8.0	8.0	
Site 3: Moffat's Dock	1251	Salinity (ppt)	25.0	25.0	25.4	26.0	Clear, breezy, southwest, small waves. Sal 25.9
		Temp (oC)	17.7	17.6	16.7	16.3	
		DO (mg/L)	8.1	8.0	7.9	7.9	
Site 4: Trading Post	1400	Salinity (ppt)	24.5	24.5			Flow in, quite breezy, small waves. Sal 24.5
		Temp (oC)	20.8	20.6			
		DO (mg/L)	7.6	7.9			
Site 5: Picott Rd	1346	Salinity (ppt)	18.0				Brown water, swift flow in, school of minnows. Sal 18
		Temp (oC)	25.0				
		DO (mg/L)	8.6				
Site 6: Wilson Rd	1333	Salinity (ppt)	0.1				Lot of green weed on rocks. Outward flow. Sal .1
		Temp (oC)	15.5				
		DO (mg/L)	24.4				
Repeat Site: 5	1346	Salinity (ppt)	18.0				
		Temp (oC)	25.0				
		DO (mg/L)	8.7				
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	16.8	25.4	8.3	99.7%	
		Site 1 - 1M	16.1	25.9	8.3	98.6%	
		Site 1 - 2M	15.7	26.3	8.4	99.3%	
		Site 1 - 3M	15.0	26.7	8.5	99.3%	
		Site 2 - OM	18.2	25.5	7.9	97.6%	
		Site 2 - 1M	17.2	25.5	7.9	95.7%	
		Site 2 - 2M	16.5	25.5	8.0	95.6%	
		Site 2 - 3M	16.4	25.7	8.0	95.5%	
		Site 3 - OM	17.7	25.0	8.1	98.8%	
		Site 3 - 1M	17.6	25.0	8.0	97.4%	
		Site 3 - 2M	16.7	25.4	7.9	94.7%	
		Site 3 - 3M	16.3	26.0	7.9	94.3%	
		Site 4 - OM	20.8	24.5	7.6	98.0%	
		Site 4 - 1M	20.6	24.5	7.9	101.5%	
		Site 4 - 2M					
		Site 5 - OM	25.0	18.0	8.6	115.3%	
		Site 6 - OM	15.5	0.1	24.4	244.7%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	06/27/06						
<b>Time</b>	1800						
<b>Monitors</b>	Steve B, Lis						
<b>Weather Comments</b>	Clear skies, winds 24 mph from the east						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>							
<b>Waves</b>	Ripples						
<b>Tide</b>	Low - 19:09 / +1.1						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd		Salinity (ppt)	25.5	25.5	25.5	25.5	
		Temp (oC)	19.1	19.1	19.1	19.0	
		DO (mg/L)	8.3	8.4	8.5	8.5	
Site 2: Eagle Pt		Salinity (ppt)	25.0	25.1	25.2	25.2	
		Temp (oC)	21.1	21.0	20.5	20.3	
		DO (mg/L)	8.2	8.2	8.3	8.3	
Site 3: Moffat's Dock		Salinity (ppt)	24.5	24.5			
		Temp (oC)	21.8	21.8			
		DO (mg/L)	7.9	7.9			
Site 4: Trading Post		Salinity (ppt)	18.9				
		Temp (oC)	25.0				
		DO (mg/L)	8.3				
Site 5: Picott Rd		Salinity (ppt)	3.6				
		Temp (oC)	27.6				
		DO (mg/L)	14.0				
Site 6: Wilson Rd		Salinity (ppt)					
		Temp (oC)					
		DO (mg/L)					
Repeat Site: 1		Salinity (ppt)	25.5	25.5	25.5	25.5	
		Temp (oC)	19.1	19.1	19.0	19.0	
		DO (mg/L)	8.4	8.4	8.4	8.4	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
NOTE: DO & Salinity data order changed			<b>Temp</b>	<b>Salinity</b>	<b>DO</b>	<b>Saturation</b>	
			C	ppt	ppm	%	
		Site 1 - OM	19.1	25.5	8.3	104.3%	
		Site 1 - 1M	19.1	25.5	8.4	105.6%	
		Site 1 - 2M	19.1	25.5	8.5	106.8%	
		Site 1 - 3M	19.0	25.5	8.5	106.6%	
		Site 2 - OM	21.1	25.0	8.2	106.7%	
		Site 2 - 1M	21.0	25.1	8.2	106.5%	
		Site 2 - 2M	20.5	25.2	8.3	106.9%	
		Site 2 - 3M	20.3	25.2	8.3	106.5%	
		Site 3 - OM	21.8	24.5	7.9	103.8%	
		Site 3 - 1M	21.8	24.5	7.9	103.8%	
		Site 3 - 2M					
		Site 3 - 3M					
		Site 4 - OM	25.0	18.9	8.3	111.8%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	27.6	3.6	14.0	181.2%	
		Site 6 - OM					

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/05/06
<b>Time</b>	0645
<b>Monitors</b>	Steve H. Phyllis, Pat R.
<b>Weather Comments</b>	Partly cloudy
<b>Cloud Cover</b>	Partly cloudy
<b>Wind Conditions</b>	Calm
<b>Wind Direction</b>	None
<b>Waves</b>	Calm
<b>Tide</b>	High - 06:41 / 7.5

RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	0705	Salinity (ppt)	27.7	28.0	28.1	28.4	Very calm - water like glass. Sal 27.7
		Temp (oC)	14.4	13.7	13.3	13.0	
		DO (mg/L)	8.4	8.7	8.8	8.9	
Site 2: Eagle Pt	0650	Salinity (ppt)	27.4	27.6	27.9	28.1	Sal 27.7
		Temp (oC)	15.3	14.6	13.8	13.6	
		DO (mg/L)	8.1	8.4	8.6	8.7	
Site 3: Moffat's Dock	0645	Salinity (ppt)	27.4	27.5	27.9	28.3	Sal 27.7
		Temp (oC)	15.5	15.2	14.0	13.9	
		DO (mg/L)	7.9	8.0	8.5	8.5	
Site 4: Trading Post		Salinity (ppt)	27.1	27.2			Scary "root beer float" foam trapped in corners of floats. Sal 27.1
		Temp (oC)	18.2	18.2			
		DO (mg/L)	7.5	7.3			
Site 5: Picott Rd		Salinity (ppt)	23.3				Sal 23.3
		Temp (oC)	21.4				
		DO (mg/L)	5.0				
Site 6: Wilson Rd		Salinity (ppt)	0.2				Thick green algae on rocks. Sal 0.2
		Temp (oC)	19.8				
		DO (mg/L)	3.6				
Repeat Site: 2	0650	Salinity (ppt)	27.4	27.6	27.9	28.1	
		Temp (oC)	15.3	15.1	13.8	13.6	
		DO (mg/L)	8.2	8.3	8.6	8.6	

<b>Entered by</b>	PMF
<b>Proofed by</b>	PL

NOTE: DO & Salinity data order changed	Temp	Salinity	DO	Saturation
	C	ppt	ppm	%
Site 1 - OM	14.4	27.7	8.4	97.5%
Site 1 - 1M	13.7	28.0	8.7	99.8%
Site 1 - 2M	13.3	28.1	8.8	100.1%
Site 1 - 3M	13.0	28.4	8.9	100.8%
Site 2 - OM	15.3	27.4	8.1	95.6%
Site 2 - 1M	14.6	27.6	8.4	97.9%
Site 2 - 2M	13.8	27.9	8.6	98.8%
Site 2 - 3M	13.6	28.1	8.7	99.6%
Site 3 - OM	15.5	27.4	7.9	93.7%
Site 3 - 1M	15.2	27.5	8.0	94.3%
Site 3 - 2M	14.0	27.9	8.5	98.0%
Site 3 - 3M	13.9	28.3	8.5	98.1%
Site 4 - OM	18.2	27.1	7.5	93.5%
Site 4 - 1M	18.2	27.2	7.3	91.1%
Site 4 - 2M				
Site 5 - OM	21.4	23.3	5.0	64.8%
Site 6 - OM	19.8	0.2	3.6	39.5%

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/05/06						
<b>Time</b>	1215						
<b>Monitors</b>	Paula & Ron						
<b>Weather Comments</b>	Hazy, humid, warm						
<b>Cloud Cover</b>	Fog / Haze						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>	SW						
<b>Waves</b>	Ripples						
<b>Tide</b>	Low - 12:49 / 1.7						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1245	Salinity (ppt)	27.4	27.5	27.5	27.6	Terns diving & feeding on schooling fish. Sal 27.4
		Temp (oC)	17.3	16.9	15.7	15.7	
		DO (mg/L)	8.7	8.6	8.5	8.5	
Site 2: Eagle Pt	1237	Salinity (ppt)	27.5	27.4	27.5	27.7	Sal 27.6
		Temp (oC)	18.0	17.5	16.9	16.1	
		DO (mg/L)	8.2	8.4	8.5	8.5	
Site 3: Moffat's Dock	1228	Salinity (ppt)	27.6	27.5	27.6		3rd reading: 1.5M; sal 27.6
		Temp (oC)	18.1	17.8	17.5		
		DO (mg/L)	8.5	8.6	8.6		
Site 4: Trading Post	1324	Salinity (ppt)	24.8				Some suspended solids and light material on surface of water. Slight outflow. Sal 24.8
		Temp (oC)	24.1				
		DO (mg/L)	9.2				
Site 5: Picott Rd	1312	Salinity (ppt)	12.7				Lots of minnows, lots of green weed; slight flow out. Water is dammed at low. Sal 12.7
		Temp (oC)	16.0				
		DO (mg/L)	13.2				
Site 6: Wilson Rd	1305	Salinity (ppt)	0.2				Slight flow out; lots of green stringy weed on rocks, clear water. Sal 0.2
		Temp (oC)	22.1				
		DO (mg/L)	14.8				
Repeat Site: 2	1237	Salinity (ppt)	27.4	27.4	27.5	27.6	
		Temp (oC)	18.1	17.5	16.9	16.1	
		DO (mg/L)	8.2	8.4	8.5	8.5	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
NOTE: DO & Salinity data order changed			<b>Temp</b>	<b>Salinity</b>	<b>DO</b>	<b>Saturation</b>	
			C	ppt	ppm	%	
		Site 1 - OM	17.3	27.4	8.7	106.8%	
		Site 1 - 1M	16.9	27.5	8.6	104.8%	
		Site 1 - 2M	15.7	27.5	8.5	101.2%	
		Site 1 - 3M	15.7	27.6	8.5	101.3%	
		Site 2 - OM	18.0	27.5	8.2	102.1%	
		Site 2 - 1M	17.5	27.4	8.4	103.6%	
		Site 2 - 2M	16.9	27.5	8.5	103.6%	
		Site 2 - 3M	16.1	27.7	8.5	102.1%	
		Site 3 - OM	18.1	27.6	8.5	106.1%	
		Site 3 - 1M	17.8	27.5	8.6	106.7%	
		Site 3 - 2M	17.5	27.6	8.6	106.1%	
		Site 3 - 3M					
		Site 4 - OM	24.1	24.8	9.2	126.2%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	16.0	12.7	13.2	144.5%	
		Site 6 - OM	22.1	0.2	14.8	169.8%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/11/06						
<b>Time</b>	0600						
<b>Monitors</b>	Phyllis & Dan						
<b>Weather Comments</b>	Hot, hazy, humid						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Slight breeze						
<b>Wind Direction</b>	E						
<b>Waves</b>	Calm						
<b>Tide</b>	Low - 05:49am/- .4						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd		Salinity (ppt)	28.6	28.7	28.7	29.4	Sal 28.3
		Temp (oC)	17.4	17.2	16.8	15.1	
		DO (mg/L)	8.5	8.6	8.6	9.3	
Site 2: Eagle Pt		Salinity (ppt)	28.5	28.5	28.6	28.6	See 1 meter deep in water. Sal 28.3
		Temp (oC)	19.0	18.7	18.1	17.7	
		DO (mg/L)	7.3	7.8	8.1	8.2	
Site 3: Moffat's Dock		Salinity (ppt)	28.3	28.4			Water foggy. Can see 17" deep in water column. Sal 28.3
		Temp (oC)	19.4	19.2			
		DO (mg/L)	6.7	6.9			
Site 4: Trading Post	0600	Salinity (ppt)	27.7	27.9			2nd reading .5M. Some scum on surface. Algae globs, slight flow out, little minnows. Sal 27.7
		Temp (oC)	21.3	21.2			
		DO (mg/L)	4.8	5.2			
Site 5: Picott Rd	0623	Salinity (ppt)	21.2				Slight outflow. Green "stringy" algae on rocks. Little foggy in water. Rocks still impeding flow. Side of culver is eroding. Sal 21.2
		Temp (oC)	22.7				
		DO (mg/L)	3.0				
Site 6: Wilson Rd		Salinity (ppt)	6.1				2 deer towards Picott - baby deer, white tail. Water foggy looking. Green slime & algae on rocks. Sal 6.1
		Temp (oC)	21.9				
		DO (mg/L)	3.1				
Repeat Site: 2		Salinity (ppt)	28.5	28.4	28.5	28.5	
		Temp (oC)	19.0	18.6	18.1	17.7	
		DO (mg/L)	7.6	7.8	8.1	8.2	
<b>Entered by</b>	PMF						
<b>Proofed by</b>							
<b>NOTE: DO &amp; Salinity data order changed</b>			<b>Temp</b>	<b>Salinity</b>	<b>DO</b>	<b>Saturation</b>	
			C	ppt	ppm	%	
		Site 1 - OM	17.4	28.6	8.5	105.3%	
		Site 1 - 1M	17.2	28.7	8.6	106.2%	
		Site 1 - 2M	16.8	28.7	8.6	105.4%	
		Site 1 - 3M	15.1	29.4	9.3	110.7%	
		Site 2 - OM	19.0	28.5	7.3	93.2%	
		Site 2 - 1M	18.7	28.5	7.8	99.0%	
		Site 2 - 2M	18.1	28.6	8.1	101.7%	
		Site 2 - 3M	17.7	28.6	8.2	102.2%	
		Site 3 - OM	19.4	28.3	6.7	86.1%	
		Site 3 - 1M	19.2	28.4	6.9	88.4%	
		Site 3 - 2M					
		Site 3 - 3M					
		Site 4 - OM	21.3	27.7	4.8	63.7%	
		Site 4 - 1M	21.2	27.9	5.2	68.9%	
		Site 4 - 2M					
		Site 5 - OM	22.7	21.2	3.0	39.3%	
		Site 6 - OM	21.9	6.1	3.1	36.7%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/11/06						
<b>Time</b>	1120						
<b>Monitors</b>	Marilyn & Steve H.						
<b>Weather Comments</b>	Just had passing thunderstorms with heavy rains						
<b>Cloud Cover</b>	Overcast						
<b>Wind Conditions</b>	Calm						
<b>Wind Direction</b>							
<b>Waves</b>	Calm						
<b>Tide</b>	High - 11:55am/8.5						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1205	Salinity (ppt)	28.3	28.8	29.1	29.3	Small ripples, now overcast, thunder in the distance. Sal 27.3
		Temp (oC)	15.9	14.4	13.8	13.3	
		DO (mg/L)	8.9	9.3	9.7	9.8	
Site 2: Eagle Pt	1155	Salinity (ppt)	28.4	28.3	28.3	28.4	Sal 27.3
		Temp (oC)	16.3	15.6	15.2	15.2	
		DO (mg/L)	8.9	9.1	9.2	9.1	
Site 3: Moffat's Dock	1145	Salinity (ppt)	27.3	28.0	28.3	28.7	Sal 27.3
		Temp (oC)	16.8	15.8	15.3	15.0	
		DO (mg/L)	8.8	9.3	9.4	9.4	
Site 4: Trading Post	1231	Salinity (ppt)	27.9	27.9	27.9		Rain - light. Sal 27.3
		Temp (oC)	19.4	19.4	19.3		
		DO (mg/L)	7.9	7.8	7.9		
Site 5: Picott Rd		Salinity (ppt)	24.2				Heavy rain. Salinity monitor reading "Low Batt". Reading is bad? Sal 10.
		Temp (oC)	22.8				
		DO (mg/L)					
Site 6: Wilson Rd	1230	Salinity (ppt)	11.1				Raining. Sal 10.7
		Temp (oC)	24.0				
		DO (mg/L)	7.4				
Repeat Site: 3	1145	Salinity (ppt)	27.2	27.8	28.4	28.5	
		Temp (oC)	16.9	16.2	15.2	15.0	
		DO (mg/L)	9.0	9.3	9.3	9.4	
<b>Entered by</b>	PMF						
<b>Proofed by</b>							
NOTE: DO & Salinity data order changed			<b>Temp</b>	<b>Salinity</b>	<b>DO</b>	<b>Saturation</b>	
			C	ppt	ppm	%	
		Site 1 - OM	15.9	28.3	8.9	106.9%	
		Site 1 - 1M	14.4	28.8	9.3	108.7%	
		Site 1 - 2M	13.8	29.1	9.7	112.2%	
		Site 1 - 3M	13.3	29.3	9.8	112.3%	
		Site 2 - OM	16.3	28.4	8.9	107.8%	
		Site 2 - 1M	15.6	28.3	9.1	108.7%	
		Site 2 - 2M	15.2	28.3	9.2	109.0%	
		Site 2 - 3M	15.2	28.4	9.1	107.9%	
		Site 3 - OM	16.8	27.3	8.8	106.9%	
		Site 3 - 1M	15.8	28.0	9.3	111.3%	
		Site 3 - 2M	15.3	28.3	9.4	111.6%	
		Site 3 - 3M	15.0	28.7	9.4	111.2%	
		Site 4 - OM	19.4	27.9	7.9	101.3%	
		Site 4 - 1M	19.4	27.9	7.8	100.0%	
		Site 4 - 2M	19.3	27.9	7.9	101.1%	
		Site 5 - OM					
		Site 6 - OM	24.0	11.1	7.4	93.7%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/18/06						
<b>Time</b>	1100						
<b>Monitors</b>	Paula & Ron						
<b>Weather Comments</b>	Hot, humid, slight breeze						
<b>Cloud Cover</b>	Hazy						
<b>Wind Conditions</b>	Slight Breeze						
<b>Wind Direction</b>							
<b>Waves</b>							
<b>Tide</b>	Low - 11:45am/0.2						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1259	Salinity (ppt)	26.6	26.7	26.8	27.2	Brownish water, slight NW breeze. Sal 26.2
		Temp (oC)	21.7	19.6	18.7	17.3	
		DO (mg/L)	9.3	9.5	9.5	9.6	
Site 2: Eagle Pt	1250	Salinity (ppt)	26.4	26.5	26.5	26.6	Light NW breeze, ripples, brownish water, gulls on mud flats. Sal 26.2
		Temp (oC)	21.3	20.1	19.6	19.0	
		DO (mg/L)	9.3	9.3	9.3	9.2	
Site 3: Moffat's Dock	1245	Salinity (ppt)	26.2	26.4			Calm, few ripples, brownish water, lots of terns and gulls. Sal 26.2
		Temp (oC)	21.3	20.5			
		DO (mg/L)	9.3	9.3			
Site 4: Trading Post	1200	Salinity (ppt)	25.2				Slight ripples, West breeze, brownish water. Sal 25.2
		Temp (oC)	26.5				
		DO (mg/L)	8.2				
Site 5: Picott Rd	1146	Salinity (ppt)	14.3				Nice breeze, flow outbound, little fish, dragon flies, green algae. Sal 14.3
		Temp (oC)	29.3				
		DO (mg/L)	11.4				
Site 6: Wilson Rd	1130	Salinity (ppt)	1.0				Doing road work, no protection put up, debris into stream bed, right side of creek bed now blocked at low/pooled, no flow, green algae. Sal 1.0
		Temp (oC)	25.3				
		DO (mg/L)	8.1				
Repeat Site: 2	1250	Salinity (ppt)	26.5	26.5	26.5	26.6	
		Temp (oC)	20.9	19.8	19.5	19.1	
		DO (mg/L)	9.4	9.3	9.2	9.2	
<b>Entered by</b>	PMF						
<b>Proofed by</b>							
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	21.7	26.6	9.3	123.5%	
		Site 1 - 1M	19.6	26.7	9.5	121.4%	
		Site 1 - 2M	18.7	26.8	9.5	119.4%	
		Site 1 - 3M	17.3	27.2	9.6	117.7%	
		Site 2 - OM	21.3	26.4	9.3	122.4%	
		Site 2 - 1M	20.1	26.5	9.3	119.8%	
		Site 2 - 2M	19.6	26.5	9.3	118.7%	
		Site 2 - 3M	19.0	26.6	9.2	116.2%	
		Site 3 - OM	21.3	26.2	9.3	122.3%	
		Site 3 - 1M	20.5	26.4	9.3	120.6%	
		Site 3 - 2M					
		Site 3 - 3M					
		Site 4 - OM	26.5	25.2	8.2	117.5%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	29.3	14.3	11.4	161.2%	
		Site 5 - 1M					
		Site 6 - OM	25.3	1.0	8.1	99.1%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/18/06						
<b>Time</b>	1750						
<b>Monitors</b>	Phyllis & Dan						
<b>Weather Comments</b>	Hot hazy humid, temp 27-29C						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Calm						
<b>Wind Direction</b>							
<b>Waves</b>	Calm / Ripples						
<b>Tide</b>	High - 1759/9.8						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1820	Salinity (ppt)	26.9	27.0	27.9	28.1	See to a depth of 2.3M, no scum on water, looks clear. Sal 26.7
		Temp (oC)	19.4	19.1	16.5	16.2	
		DO (mg/L)	8.9	9.0	9.4	9.6	
Site 2: Eagle Pt		Salinity (ppt)	26.7	26.8	27.0	27.3	Some film on top, water skiers, can see almost to 2M. Sal 26.7
		Temp (oC)	20.9	19.5	17.2	16.8	
		DO (mg/L)	8.7	8.9	9.2	9.2	
Site 3: Moffat's Dock	1800	Salinity (ppt)	26.6	26.6	26.9	27.3	Sal 26.7
		Temp (oC)	20.5	18.6	17.3	16.7	
		DO (mg/L)	8.8	9.0	9.0	9.1	
Site 4: Trading Post		Salinity (ppt)	26.7	26.8	26.8		Third reading at 1.5M. Sal 26.7
		Temp (oC)	22.2	21.9	21.7		
		DO (mg/L)	8.9	9.4	9.3		
Site 5: Picott Rd		Salinity (ppt)	25.9	26.1			Minnows in water. Second reading at .5M. Sal 25.9
		Temp (oC)	26.4	25.3			
		DO (mg/L)	8.7	8.9			
Site 6: Wilson Rd		Salinity (ppt)	19.1				High tide, crap from road in water, murky water, scum. Sal 19.1
		Temp (oC)	30.8				
		DO (mg/L)	10.2				
Repeat Site: 2		Salinity (ppt)	26.7	26.8	27.1	27.3	
		Temp (oC)	20.9	19.5	17.2	16.8	
		DO (mg/L)	8.9	9.1	9.3	9.2	
<b>Entered by</b>	PMF						
<b>Proofed by</b>							
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	19.4	26.9	8.9	113.4%	
		Site 1 - 1M	19.1	27.0	9.0	114.1%	
		Site 1 - 2M	16.5	27.9	9.4	114.0%	
		Site 1 - 3M	16.2	28.1	9.6	115.9%	
		Site 2 - OM	20.9	26.7	8.7	113.9%	
		Site 2 - 1M	19.5	26.8	8.9	113.6%	
		Site 2 - 2M	17.2	27.0	9.2	112.5%	
		Site 2 - 3M	16.8	27.3	9.2	111.8%	
		Site 3 - OM	20.5	26.6	8.8	114.3%	
		Site 3 - 1M	18.6	26.6	9.0	112.8%	
		Site 3 - 2M	17.3	26.9	9.0	110.2%	
		Site 3 - 3M	16.7	27.3	9.1	110.4%	
		Site 4 - OM	22.2	26.7	8.9	119.3%	
		Site 4 - 1M	21.9	26.8	9.4	125.4%	
		Site 4 - 2M	21.7	26.8	9.3	123.6%	
		Site 5 - OM	26.4	25.9	8.7	125.0%	
		Site 5 - 1M	25.3	26.1	8.9	125.6%	
		Site 6 - OM	30.8	19.1	10.2	151.9%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	07/25/06						
<b>Time</b>	1200						
<b>Monitors</b>	Steve B & Marge						
<b>Weather Comments</b>	Beautiful, sunny, 85oF						
<b>Cloud Cover</b>	None						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>	S						
<b>Waves</b>							
<b>Tide</b>	High - 1211/8.3						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1230	Salinity (ppt)	26.1	26.4	26.5	26.6	
		Temp (oC)	19.7	19.0	18.6	18.4	
		DO (mg/L)	8.2	8.3	8.4	8.5	
Site 2: Eagle Pt	1222	Salinity (ppt)	25.6	25.7	25.8	25.9	
		Temp (oC)	21.5	20.0	19.3	19.0	
		DO (mg/L)	7.8	8.0	8.1	8.1	
Site 3: Moffat's Dock	1213	Salinity (ppt)	25.0	25.1	25.5	25.7	
		Temp (oC)	20.4	19.7	19.3	19.1	
		DO (mg/L)	7.9	8.1	8.1	8.1	
Site 4: Trading Post	1250	Salinity (ppt)	26.3	26.3			Tiny fish - many; water moving.
		Temp (oC)	21.9	21.8			
		DO (mg/L)	7.7	7.8			
Site 5: Picott Rd	1305	Salinity (ppt)	24.1				Brownish ater, scum, algae
		Temp (oC)	25.2				
		DO (mg/L)	7.5				
Site 6: Wilson Rd		Salinity (ppt)					
		Temp (oC)					
		DO (mg/L)					
Repeat Site: 3	1213	Salinity (ppt)	25.1	25.1	25.6	25.8	
		Temp (oC)	20.6	19.8	19.3	19.1	
		DO (mg/L)	7.8	8.1	8.1	8.1	
<b>Entered by</b>	PMF						
<b>Proofed by</b>							
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	19.7	26.1	8.2	104.6%	
		Site 1 - 1M	19.0	26.4	8.3	104.7%	
		Site 1 - 2M	18.6	26.5	8.4	105.2%	
		Site 1 - 3M	18.4	26.6	8.5	106.1%	
		Site 2 - OM	21.5	25.6	7.8	102.6%	
		Site 2 - 1M	20.0	25.7	8.0	102.4%	
		Site 2 - 2M	19.3	25.8	8.1	102.4%	
		Site 2 - 3M	19.0	25.9	8.1	101.9%	
		Site 3 - OM	20.4	25.0	7.9	101.4%	
		Site 3 - 1M	19.7	25.1	8.1	102.7%	
		Site 3 - 2M	19.3	25.5	8.1	102.2%	
		Site 3 - 3M	19.1	25.7	8.1	101.9%	
		Site 4 - OM	21.9	26.3	7.7	102.4%	
		Site 4 - 1M	21.8	26.3	7.8	103.6%	
		Site 4 - 2M					
		Site 5 - OM	25.2	24.1	7.5	104.5%	
		Site 5 - 1M					
		Site 6 - OM					

SPRUCE CREEK ASSOCIATION - Water Quality Data							
Date	07/25/06						
Time	1730						
Monitors	Paula, Ron & Will						
Weather Comments	Windy, hot, humid, threat of thunderstorms, 77oF						
Cloud Cover	Slight Haze						
Wind Conditions	Breezy						
Wind Direction	SW						
Waves							
Tide	Low - 1808/1.0						
RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	1753	Salinity (ppt)	26.4	26.4	26.4	26.4	Breeze from SW. Sal 26.4
		Temp (oC)	21.9	21.8	21.7	21.6	
		DO (mg/L)	7.9	8.0	8.0	8.4	
Site 2: Eagle Pt	1743	Salinity (ppt)	26.4	26.4	26.4	26.4	Calm, humid. Sal 26.4
		Temp (oC)	22.9	22.7	22.6	22.3	
		DO (mg/L)	8.5	8.5	8.6	8.6	
Site 3: Moffat's Dock	1733	Salinity (ppt)	26.3	26.6	26.6		Calm, terns feeding. 3rd reading at 1-2/3M. Sal 26.4
		Temp (oC)	23.7	22.8	22.6		
		DO (mg/L)	8.3	8.5	8.5		
Site 4: Trading Post	1843	Salinity (ppt)	21.9	24.3			89oF at KTP, nice breeze. 2nd reading at .5M. Did measurement twice and salinity readnig was accurate. Sal 21.9
		Temp (oC)	27.4	27.1			
		DO (mg/L)	8.4	8.8			
Site 5: Picott Rd	1830	Salinity (ppt)	9.5				Breezy, flow out, algae. Sal 9.6
		Temp (oC)	28.4				
		DO (mg/L)	12.5				
Site 6: Wilson Rd	1820	Salinity (ppt)	0.2				Stream flow outward, lots of green algae. Sal .2
		Temp (oC)	27.3				
		DO (mg/L)	16.3				
Repeat Site: 1	1753	Salinity (ppt)	26.3	26.4	26.4	26.5	
		Temp (oC)	21.8	21.6	21.6	21.6	
		DO (mg/L)	8.2	8.5	8.3	8.4	
Entered by	PMF						
Proofed by							
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	21.9	26.4	7.9	105.1%	
		Site 1 - 1M	21.8	26.4	8.0	106.3%	
		Site 1 - 2M	21.7	26.4	8.0	106.1%	
		Site 1 - 3M	21.6	26.4	8.4	111.2%	
		Site 2 - OM	22.9	26.4	8.5	115.2%	
		Site 2 - 1M	22.7	26.4	8.5	114.8%	
		Site 2 - 2M	22.6	26.4	8.6	115.9%	
		Site 2 - 3M	22.3	26.4	8.6	115.3%	
		Site 3 - OM	23.7	26.3	8.3	114.0%	
		Site 3 - 1M	22.8	26.6	8.5	115.1%	
		Site 3 - 2M	22.6	26.6	8.5	114.7%	
		Site 3 - 3M					
		Site 4 - OM	27.4	21.9	8.4	120.0%	
		Site 4 - 1M	27.1	24.3	8.8	126.8%	
		Site 4 - 2M					
		Site 5 - OM	28.4	9.5	12.5	169.5%	
		Site 5 - 1M					
		Site 6 - OM	27.3	0.2	16.3	205.9%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	08/08/06
<b>Time</b>	1000
<b>Monitors</b>	Pat Rodgers & Steve Bos
<b>Weather Comments</b>	Sunny, clear
<b>Cloud Cover</b>	Partly cloudy
<b>Wind Conditions</b>	Breezy
<b>Wind Direction</b>	W
<b>Waves</b>	Ripples
<b>Tide</b>	High - 1040/8.5

RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd		Salinity (ppt)	28.2	28.2	28.3	28.7	
		Temp (oC)	18.3	17.8	17.5	16.5	
		DO (mg/L)	7.3	7.6	7.7	7.9	
Site 2: Eagle Pt		Salinity (ppt)	28.0	28.0	28.2	28.3	
		Temp (oC)	18.5	18.5	17.4	17.0	
		DO (mg/L)	7.5	7.5	7.5	5.6	
Site 3: Moffat's Dock		Salinity (ppt)	28.0	28.0	28.0	28.3	
		Temp (oC)	19.0	19.0	18.2	17.5	
		DO (mg/L)	7.4	7.5	7.6	7.6	
Site 4: Trading Post		Salinity (ppt)	28.0				
		Temp (oC)	21.1				
		DO (mg/L)	7.4				
Site 5: Picott Rd		Salinity (ppt)	24.0				
		Temp (oC)	25.4				
		DO (mg/L)	7.3				
Site 6: Wilson Rd		Salinity (ppt)					Not enough water for measuring.
		Temp (oC)					
		DO (mg/L)					
Repeat Site: 2		Salinity (ppt)		28.0	28.2	28.0	
		Temp (oC)		18.3	17.5	18.6	
		DO (mg/L)		7.5	7.6	7.5	

<b>Entered by</b>	PMF
<b>Proofed by</b>	PL

*Note: Meters not functioning on 8/1/06*

		Temp	Salinity	DO	Saturation
		C	ppt	ppm	%
	Site 1 - OM	18.3	28.2	7.3	91.8%
	Site 1 - 1M	17.8	28.2	7.6	94.7%
	Site 1 - 2M	17.5	28.3	7.7	95.4%
	Site 1 - 3M	16.5	28.7	7.9	96.3%
	Site 2 - OM	18.5	28.0	7.5	94.6%
	Site 2 - 1M	18.5	28.0	7.5	94.6%
	Site 2 - 2M	17.4	28.2	7.5	92.7%
	Site 2 - 3M	17.0	28.3	5.6	68.7%
	Site 3 - OM	19.0	28.0	7.4	94.2%
	Site 3 - 1M	19.0	28.0	7.5	95.5%
	Site 3 - 2M	18.2	28.0	7.6	95.3%
	Site 3 - 3M	17.5	28.3	7.6	94.2%
	Site 4 - OM	21.1	28.0	7.4	98.0%
	Site 4 - 1M				
	Site 4 - 2M				
	Site 5 - OM	25.4	24.0	7.3	102.0%
	Site 5 - 1M				
	Site 6 - OM				

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	08/08/06						
<b>Time</b>	1600						
<b>Monitors</b>	Paula & Ron Ledgett						
<b>Weather Comments</b>	Partly cloudy with fair-weather clouds						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Slight breeze						
<b>Wind Direction</b>	NW						
<b>Waves</b>							
<b>Tide</b>	Low - 1639/0.5						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1625	Salinity (ppt)	28.1	28.1	28.1		Sal 28.2
		Temp (oC)	20.1	20.1	19.8		
		DO (mg/L)	8.4	8.5	8.4		
Site 2: Eagle Pt	1616	Salinity (ppt)	28.2	28.2	28.2	28.2	Bouy out of position. Anchor was fouled. Ripples. NW 10 kts. Sal 28.2
		Temp (oC)	21.2	20.9	20.8	20.8	
		DO (mg/L)	8.4	8.4	8.5	8.4	
Site 3: Moffat's Dock	1605	Salinity (ppt)	28.2	28.2	28.2		NW wind 10-15, small waves, light rain/sprinkle. Sal 28.2. 3rd reading at 1.5M.
		Temp (oC)	22.0	21.8	21.3		
		DO (mg/L)	8.6	8.8	8.9		
Site 4: Trading Post	1714	Salinity (ppt)	27.2				Flow is out. Several inches above falshboard sill. Water is murky. Sal 27.2
		Temp (oC)	25.3				
		DO (mg/L)	8.5				
Site 5: Picott Rd	1705	Salinity (ppt)	18.5				Flow is out. Some green stringy algae. Salt tolerant salt grass starting to grow on mudflat. Sal 18.5
		Temp (oC)	27.4				
		DO (mg/L)	13.4				
Site 6: Wilson Rd	1655	Salinity (ppt)	2.3				Heavy algae starting to die, brown not bright green. Flow is out. Very low water. Sal 2.3
		Temp (oC)	26.6				
		DO (mg/L)	17.3				
Repeat Site: 3	1605	Salinity (ppt)	28.2	28.2	28.2		
		Temp (oC)	29.9	21.7	21.4		
		DO (mg/L)	8.8	8.9	8.9		
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	20.1	28.1	8.4	109.2%	
		Site 1 - 1M	20.1	28.1	8.5	110.5%	
		Site 1 - 2M	19.8	28.1	8.4	108.6%	
		Site 1 - 3M					
		Site 2 - OM	21.2	28.2	8.4	111.5%	
		Site 2 - 1M	20.9	28.2	8.4	110.9%	
		Site 2 - 2M	20.8	28.2	8.5	112.0%	
		Site 2 - 3M	20.8	28.2	8.4	110.7%	
		Site 3 - OM	22.0	28.2	8.6	115.9%	
		Site 3 - 1M	21.8	28.2	8.8	118.1%	
		Site 3 - 2M	21.3	28.2	8.9	118.4%	
		Site 3 - 3M					
		Site 4 - OM	25.3	27.2	8.5	120.7%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	27.4	18.5	13.4	187.8%	
		Site 5 - 1M					
		Site 6 - OM	26.6	2.3	8.8	111.1%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	08/15/06
<b>Time</b>	1005
<b>Monitors</b>	Marilyn Ecker
<b>Weather Comments</b>	Early morning rain, overcast now, 70o
<b>Cloud Cover</b>	Overcast
<b>Wind Conditions</b>	Calm
<b>Wind Direction</b>	
<b>Waves</b>	

**Tide** Low - 1024/0.0

RESULTS		Time	OM	1M	2M	3M	Comments
Site 1: Bond Rd		Salinity (ppt) Temp (oC) DO (mg/L)					
Site 2: Eagle Pt		Salinity (ppt) Temp (oC) DO (mg/L)					
Site 3: Moffat's Dock		Salinity (ppt) Temp (oC) DO (mg/L)					
Site 4: Trading Post	1025	Salinity (ppt) Temp (oC) DO (mg/L)	27.9 20.4 6.3				Water surface very streaked. Sal 27.9
Site 5: Picott Rd	1020	Salinity (ppt) Temp (oC) DO (mg/L)	23.7 21.9 5.9				3 sea ducks. Breeze picked up. Sal 23.7
Site 6: Wilson Rd	1005	Salinity (ppt) Temp (oC) DO (mg/L)	8.5 21.0 5.5				White foam, very low. Sal 8.5
Repeat Sites: 4 & 6	1025	Salinity (ppt) Temp (oC) DO (mg/L)	27.4 20.3 5.9		8.5 21.0 5.3		

**Entered by** PMF  
**Proofed by** PL

*Note: Partner did not show. Only land readings.*

		Temp C	Salinity ppt	DO ppm	Saturation %
	Site 1 - OM				
	Site 1 - 1M				
	Site 1 - 2M				
	Site 1 - 3M				
	Site 2 - OM				
	Site 2 - 1M				
	Site 2 - 2M				
	Site 2 - 3M				
	Site 3 - OM				
	Site 3 - 1M				
	Site 3 - 2M				
	Site 3 - 3M				
	Site 4 - OM	20.4	27.9	6.3	82.3%
	Site 4 - 1M				
	Site 4 - 2M				
	Site 5 - OM	21.9	23.7	5.9	77.3%
	Site 5 - 1M				
	Site 6 - OM				

SPRUCE CREEK ASSOCIATION - Water Quality Data							
Date	08/15/06						
Time	1540						
Monitors	Paula Ledgett & Marge Pelletier						
Weather Comments	Sunny, Breezy 84o						
Cloud Cover	Partly cloudy						
Wind Conditions							
Wind Direction							
Waves							
Tide	High - 1636/10.0						
RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	1605	Salinity (ppt)	30.0	30.0	30.0	30.1	Beautiful water, no pollen. Sal 30.0
		Temp (oC)	14.9	14.7	14.8	14.5	
		DO (mg/L)	7.8	8.2	8.2	8.2	
Site 2: Eagle Pt	1555	Salinity (ppt)	29.3	29.3	29.4	29.4	Breeze, clear water, no surface film. Sal 29.2
		Temp (oC)	17.1	16.7	16.5	16.5	
		DO (mg/L)	8.2	8.3	8.3	8.3	
Site 3: Moffat's Dock	1540	Salinity (ppt)	29.2	29.4	29.3	29.4	Calm, hot, pollen on water. Slight current, pollen. Sal 29.2
		Temp (oC)	18.8	17.0	16.9	16.6	
		DO (mg/L)	8.2	8.2	8.0	8.2	
Site 4: Trading Post	1650	Salinity (ppt)	29.0	29.0	29.1		Water high, clear, water coming in. Sal 28.4. 3rd measured at 1.5M.
		Temp (oC)	19.5	19.5	19.4		
		DO (mg/L)	8.2	8.2	8.1		
Site 5: Picott Rd	1640	Salinity (ppt)	28.4				Sal 28.4
		Temp (oC)	22.4				
		DO (mg/L)	8.3				
Site 6: Wilson Rd	1629	Salinity (ppt)	13.6				Strong current in, breeze. Sal 13.6
		Temp (oC)	25.3				
		DO (mg/L)	15.4				
Repeat Site: 3	1540	Salinity (ppt)	29.3	29.2	29.3	29.4	
		Temp (oC)	18.7	17.0	16.9	16.6	
		DO (mg/L)	8.2	8.2	8.2	8.2	
Entered by	PMF						
Proofed by	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	14.9	30.0	7.8	92.8%	
		Site 1 - 1M	14.7	30.0	8.2	97.2%	
		Site 1 - 2M	14.8	30.0	8.2	97.4%	
		Site 1 - 3M	14.5	30.1	8.2	96.8%	
		Site 2 - OM	17.1	29.3	8.2	101.5%	
		Site 2 - 1M	16.7	29.3	8.3	102.0%	
		Site 2 - 2M	16.5	29.4	8.3	101.6%	
		Site 2 - 3M	16.5	29.4	8.3	101.6%	
		Site 3 - OM	18.8	29.2	8.2	104.8%	
		Site 3 - 1M	17.0	29.4	8.2	101.3%	
		Site 3 - 2M	16.9	29.3	8.0	98.6%	
		Site 3 - 3M	16.6	29.4	8.2	100.5%	
		Site 4 - OM	19.5	29.0	8.2	106.0%	
		Site 4 - 1M	19.5	29.0	8.2	106.0%	
		Site 4 - 2M	19.4	29.1	8.1	104.6%	
		Site 5 - OM	22.4	28.4	8.3	112.8%	
		Site 5 - 1M					
		Site 6 - OM	25.3	13.6	15.4	202.4%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	08/22/06						
<b>Time</b>	1106						
<b>Monitors</b>	Phyllis Ford, Dan Ford & Steve Bos						
<b>Weather Comments</b>	Awesome! 79o						
<b>Cloud Cover</b>	None						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>	W - 5mph						
<b>Waves</b>	Ripples						
<b>Tide</b>	High - 1107/8.3						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1135	Salinity (ppt)	28.9	29.1	29.2	29.4	Sal 29.1
		Temp (oC)	16.6	15.4	15.0	14.5	
		DO (mg/L)	9.2	8.3	8.3	8.5	
Site 2: Eagle Pt	1125	Salinity (ppt)	29.0	29.1	29.0	29.1	Sal 29.1
		Temp (oC)	16.3	15.8	15.4	15.3	
		DO (mg/L)	8.0	8.2	8.2	8.1	
Site 3: Moffat's Dock	1115	Salinity (ppt)	29.0	29.1	29.2	29.5	16 cormorants, Can see 2M (turbidity). Sal 29.1
		Temp (oC)	16.4	16.1	15.8	14.9	
		DO (mg/L)	8.0	8.1	8.1	8.3	
Site 4: Trading Post	1210	Salinity (ppt)	28.1	28.2	28.3		Lots o' minnows. "Thousands!" Sal 28.1. 3rd reading at 1.5M
		Temp (oC)	17.7	17.2	17.2		
		DO (mg/L)	8.1	8.1	8.0		
Site 5: Picott Rd		Salinity (ppt)	19.1				Water not very clear. Silt galore. Slight out tide. 1 dead crab floating. Sal 19.1
		Temp (oC)	22.4				
		DO (mg/L)	8.3				
Site 6: Wilson Rd		Salinity (ppt)	0.2				Some minnows. Slight flow out. Water looking clear. Algae bloom dying. Rust color - natural looking. Sal .2
		Temp (oC)	19.8				
		DO (mg/L)	11.6				
Repeat Site: 3	1115	Salinity (ppt)	29.0	29.1	29.1	29.4	
		Temp (oC)	16.3	16.1	15.8	14.9	
		DO (mg/L)	8.1	8.1	8.2	8.3	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	16.6	28.9	9.2	112.5%	
		Site 1 - 1M	15.4	29.1	8.3	99.2%	
		Site 1 - 2M	15.0	29.2	8.3	98.5%	
		Site 1 - 3M	14.5	29.4	8.5	99.9%	
		Site 2 - OM	16.3	29.0	8.0	97.3%	
		Site 2 - 1M	15.8	29.1	8.2	98.8%	
		Site 2 - 2M	15.4	29.0	8.2	97.9%	
		Site 2 - 3M	15.3	29.1	8.1	96.6%	
		Site 3 - OM	16.4	29.0	8.0	97.5%	
		Site 3 - 1M	16.1	29.1	8.1	98.2%	
		Site 3 - 2M	15.8	29.2	8.1	97.6%	
		Site 3 - 3M	14.9	29.5	8.3	98.4%	
		Site 4 - OM	17.7	28.1	8.1	100.7%	
		Site 4 - 1M	17.2	28.2	8.1	99.8%	
		Site 4 - 2M	17.2	28.3	8.0	98.6%	
		Site 5 - OM	22.4	19.1	8.3	106.9%	
		Site 5 - 1M					
		Site 6 - OM	19.8	0.2	11.6	127.2%	

SPRUCE CREEK ASSOCIATION - Water Quality Data							
Date	08/22/06						
Time	1635						
Monitors	Phyllis Ford & Marge Pelletier						
Weather Comments	Beautiful! Big rain on Monday, 70o						
Cloud Cover	Partly cloudy						
Wind Conditions	Breezy						
Wind Direction	W						
Waves	Ripples						
Tide	Low - 1708/1.0						
RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	1705	Salinity (ppt)	28.8	28.9	29.0	29.0	Sal 28.5
		Temp (oC)	19.1	18.6	18.2	18.0	
		DO (mg/L)	8.2	9.3	9.3	9.2	
Site 2: Eagle Pt	1645	Salinity (ppt)	28.5	28.6	28.8	28.9	1 dog at water's edge. Sal 28.5
		Temp (oC)	19.1	18.5	18.4	17.8	
		DO (mg/L)	9.0	9.4	9.4	9.4	
Site 3: Moffat's Dock	1635	Salinity (ppt)	28.8	28.9			Sal 29.2
		Temp (oC)	19.3	19.1			
		DO (mg/L)	8.8	9.5			
Site 4: Trading Post	1750	Salinity (ppt)	22.0				Very murky, some smell. Sal 22.1
		Temp (oC)	24.5				
		DO (mg/L)	9.5				
Site 5: Picott Rd	1740	Salinity (ppt)	4.5				Wee little grasses on mud flats with little birds eating something. Slight flow out. Sal 4.5
		Temp (oC)	25.7				
		DO (mg/L)	14.2				
Site 6: Wilson Rd	1730	Salinity (ppt)	0.2				Homeowner came to warn us of black widow spider bites. Sal 0.2
		Temp (oC)	22.3				
		DO (mg/L)	11.9				
Repeat Site: 2		Salinity (ppt)	28.5	28.6	28.8	28.9	
		Temp (oC)	19.1	18.5	18.4	17.9	
		DO (mg/L)	9.2	9.3	9.4	9.3	
Entered by	PMF						
Proofed by	PL						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	19.1	28.8	8.2	105.1%	
		Site 1 - 1M	18.6	28.9	9.3	118.1%	
		Site 1 - 2M	18.2	29.0	9.3	117.3%	
		Site 1 - 3M	18.0	29.0	9.2	115.6%	
		Site 2 - OM	19.1	28.5	9.0	115.1%	
		Site 2 - 1M	18.5	28.6	9.4	119.0%	
		Site 2 - 2M	18.4	28.8	9.4	118.9%	
		Site 2 - 3M	17.8	28.9	9.4	117.6%	
		Site 3 - OM	19.3	28.8	8.8	113.2%	
		Site 3 - 1M	19.1	28.9	9.5	121.8%	
		Site 3 - 2M					
		Site 3 - 3M					
		Site 4 - OM	24.5	22.0	9.5	129.1%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	25.7	4.5	14.2	178.5%	
		Site 5 - 1M					
		Site 6 - OM	22.3	0.2	11.9	137.0%	

SPRUCE CREEK ASSOCIATION - Water Quality Data							
Date	08/29/06						
Time	0800						
Monitors	Will Brewster & Steve Hall						
Weather Comments	Misty, 19oC						
Cloud Cover	Overcast						
Wind Conditions	Slight breeze						
Wind Direction	SE						
Waves	Small waves						
Tide	Low - 9:04 +1.2						
RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd		Salinity (ppt)	29.5	29.6	29.8	29.8	Rain. Sal 29.5
		Temp (oC)	16.3	16.2	16.2	16.1	
		DO (mg/L)	6.3	7.3	7.4	7.4	
Site 2: Eagle Pt	1050	Salinity (ppt)	28.9				Rain. Sal 28.9
		Temp (oC)	16.7	16.7	16.5	16.5	
		DO (mg/L)	6.5	6.9	6.8	6.8	
Site 3: Moffat's Dock	1040	Salinity (ppt)	28.6	28.8	28.9		Light rain. Sal 28.6. Salinity meter reading "batt low"
		Temp (oC)	16.8	16.8	16.8		
		DO (mg/L)	6.4	6.5	6.5		
Site 4: Trading Post	0955	Salinity (ppt)	23.7				Heavy mist - beginning to rain. Sal 22.7
		Temp (oC)	16.7				
		DO (mg/L)	5.5				
Site 5: Picott Rd	0933	Salinity (ppt)	4.5				Heavy mist. Sal 4.5
		Temp (oC)	16.4				
		DO (mg/L)	5.6				
Site 6: Wilson Rd	0941	Salinity (ppt)	0.2				Heavy mist. Sal 0.2
		Temp (oC)	15.6				
		DO (mg/L)	8.4				
Repeat Site:		Salinity (ppt)					
		Temp (oC)					
		DO (mg/L)					
Entered by	PMF						
Proofed by	CH						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	16.3	29.5	6.3	76.8%	
		Site 1 - 1M	16.2	29.6	7.3	88.9%	
		Site 1 - 2M	16.2	29.8	7.4	90.2%	
		Site 1 - 3M	16.1	29.8	7.4	90.1%	
		Site 2 - OM	16.7	28.9	6.5	79.6%	
		Site 2 - 1M					
		Site 2 - 2M					
		Site 2 - 3M					
		Site 3 - OM	16.8	28.6	6.4	78.4%	
		Site 3 - 1M	16.8	28.8	6.5	79.7%	
		Site 3 - 2M	16.8	28.9	6.5	79.8%	
		Site 3 - 3M					
		Site 4 - OM	16.7	23.7	5.5	65.3%	
		Site 4 - 1M					
		Site 4 - 2M					
		Site 5 - OM	16.4	4.5	5.6	58.8%	
		Site 5 - 1M					
		Site 6 - OM	15.6	0.2	8.4	84.5%	

SPRUCE CREEK ASSOCIATION - Water Quality Data							
Date	08/29/06						
Time	1540						
Monitors	Ron & Paula Ledgett						
Weather Comments	Rainy 68oF						
Cloud Cover	Rain / Overcast						
Wind Conditions	Calm						
Wind Direction	NE						
Waves	Calm / Small Ripples						
Tide	High - 15:10 +8.6						
RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	1530	Salinity (ppt)	29.4	29.6	29.9	30.0	Calm, overcast, slight outward flow of tidal current. Sal 29.4
		Temp (oC)	16.5	16.4	16.2	16.2	
		DO (mg/L)	8.0	7.9	8.0	8.0	
Site 2: Eagle Pt	1522	Salinity (ppt)	29.2	29.3	29.3	29.4	Calm, overcast. Sal 29.3
		Temp (oC)	16.6	16.6	16.5	16.4	
		DO (mg/L)	8.1	8.1	8.1	8.1	
Site 3: Moffat's Dock	1515	Salinity (ppt)	29.2	29.2	29.3	29.5	Small ripples, <4 knots NE, overcast - not raining, large group of comorants on water. Sal 29.3
		Temp (oC)	16.7	16.6	16.6	16.3	
		DO (mg/L)	8.7	8.5	8.4	8.2	
Site 4: Trading Post	1610	Salinity (ppt)	28.4	28.5	28.5		Slight outward flow, calm, healthy salt grass. Sal 28.4
		Temp (oC)	17.0	17.0	17.0		
		DO (mg/L)	7.3	7.2	7.2		
Site 5: Picott Rd	1600	Salinity (ppt)	26.9				Current is flowing in, ducks upstream, kingfisher feeding, healthy salt grass. Sal 26.9
		Temp (oC)	17.6				
		DO (mg/L)	7.1				
Site 6: Wilson Rd	1553	Salinity (ppt)	2.4				Current flowing in, overcast, algae die off. Sal 2.1
		Temp (oC)	17.2				
		DO (mg/L)	11.7				
Repeat Site: 3	1515	Salinity (ppt)	29.2	29.2	29.3	29.5	
		Temp (oC)	16.7	16.6	16.5	16.3	
		DO (mg/L)	8.3	8.2	8.2	8.1	
Entered by	PMF						
Proofed by	CH						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	16.5	29.4	8.0	97.9%	
		Site 1 - 1M	16.4	29.6	7.9	96.6%	
		Site 1 - 2M	16.2	29.9	8.0	97.6%	
		Site 1 - 3M	16.2	30.0	8.0	97.7%	
		Site 2 - OM	16.6	29.2	8.1	99.2%	
		Site 2 - 1M	16.6	29.3	8.1	99.2%	
		Site 2 - 2M	16.5	29.3	8.1	99.1%	
		Site 2 - 3M	16.4	29.4	8.1	98.9%	
		Site 3 - OM	16.7	29.2	8.7	106.7%	
		Site 3 - 1M	16.6	29.2	8.5	104.1%	
		Site 3 - 2M	16.6	29.3	8.4	102.9%	
		Site 3 - 3M	16.3	29.5	8.2	100.0%	
		Site 4 - OM	17.0	28.4	7.3	89.7%	
		Site 4 - 1M	17.0	28.5	7.2	88.5%	
		Site 4 - 2M	17.0	28.5	7.2	88.5%	
		Site 5 - OM	17.6	26.9	7.1	87.4%	
		Site 5 - 1M					
		Site 6 - OM	17.2	2.4	11.7	123.3%	

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	09/05/06
<b>Time</b>	1430
<b>Monitors</b>	Steve Hall & Will Brewster
<b>Weather Comments</b>	Overcast, 21oC
<b>Cloud Cover</b>	Overcast
<b>Wind Conditions</b>	Calm / Small Ripples
<b>Wind Direction</b>	
<b>Waves</b>	Calm / Small Ripples
<b>Tide</b>	Low - 15:24 +0.6

RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	1648	Salinity (ppt)	28.7	28.7	28.9	29.1	Sal 28.9
		Temp (oC)	18.4	18.5	18.1	18.0	
		DO (mg/L)	7.1	7.1	6.8	6.8	
Site 2: Eagle Pt	1638	Salinity (ppt)	28.4	28.5	28.5	28.6	Sal 28.9
		Temp (oC)	18.9	18.6	18.7	18.6	
		DO (mg/L)	7.4	7.3	7.2	7.2	
Site 3: Moffat's Dock	1629	Salinity (ppt)	28.0	28.1			Sal 28.9
		Temp (oC)	19.2	17.3			
		DO (mg/L)	7.9	8.0			
Site 4: Trading Post	1510	Salinity (ppt)	22.5				Sal 28.9
		Temp (oC)	20.4				
		DO (mg/L)	8.7				
Site 5: Picott Rd	1521	Salinity (ppt)	4.1				Sal 28.9
		Temp (oC)	19.5				
		DO (mg/L)	9.8				
Site 6: Wilson Rd	1535	Salinity (ppt)	0.2				Sal 28.9
		Temp (oC)	17.8				
		DO (mg/L)	9.7				
Repeat Site: 2	1638	Salinity (ppt)	28.5	28.5	28.5	28.6	
		Temp (oC)	18.9	18.6	18.6	18.6	
		DO (mg/L)	7.3	7.3	7.2	7.2	

**Entered by** PMF  
**Proofed by** CH

*Note: No readings in morning (high tide)*

		Temp	Salinity	DO	Saturation
		C	ppt	ppm	%
	Site 1 - OM	18.4	28.7	7.1	89.7%
	Site 1 - 1M	18.5	28.7	7.1	89.9%
	Site 1 - 2M	18.1	28.9	6.8	85.6%
	Site 1 - 3M	18.0	29.1	6.8	84.9%
	Site 2 - OM	18.9	28.4	7.4	94.3%
	Site 2 - 1M	18.6	28.5	7.3	92.5%
	Site 2 - 2M	18.7	28.5	7.2	91.4%
	Site 2 - 3M	18.6	28.6	7.2	91.3%
	Site 3 - OM	19.2	28.0	7.9	101.0%
	Site 3 - 1M	17.3	28.1	8.0	98.7%
	Site 3 - 2M				
	Site 3 - 3M				
	Site 4 - OM	20.4	22.5	8.7	110.1%
	Site 4 - 1M				
	Site 4 - 2M				
	Site 5 - OM	19.5	4.1	9.8	109.3%
	Site 5 - 1M				
	Site 6 - OM	17.8	0.2	9.7	102.2%

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	09/12/06
<b>Time</b>	0800
<b>Monitors</b>	Marilyn Ecker & Marge Pelletier
<b>Weather Comments</b>	Clear, breezy, cool, 50oF
<b>Cloud Cover</b>	None
<b>Wind Conditions</b>	Breezy
<b>Wind Direction</b>	E
<b>Waves</b>	Calm
<b>Tide</b>	Low - 9:04 -0.2

RESULTS	Time		OM	1M	2M	3M	Comments
Site 1: Bond Rd	0900	Salinity (ppt)	29.8	29.8	29.8	29.8	Sal 29.8
		Temp (oC)	16.3	16.3	16.3	16.3	
		DO (mg/L)	9.9	9.8	9.8	9.8	
Site 2: Eagle Pt	0847	Salinity (ppt)	29.6	29.6	29.6		Sal 29.4
		Temp (oC)	16.0	16.0	16.1		
		DO (mg/L)	9.7	9.6	9.5		
Site 3: Moffat's Dock	0840	Salinity (ppt)	29.4	29.4			Sal 29.4
		Temp (oC)	15.8	15.7			
		DO (mg/L)	9.4	9.5			
Site 4: Trading Post	0925	Salinity (ppt)	29.0				Sal 29.1
		Temp (oC)	15.6				
		DO (mg/L)	9.4				
Site 5: Picott Rd	0935	Salinity (ppt)	21.4				sal 21.4
		Temp (oC)	14.3				
		DO (mg/L)	7.7				
Site 6: Wilson Rd	0945	Salinity (ppt)	7.5				Extremely low with mod flow over side of rail to measure. Sal 7.5
		Temp (oC)	12.0				
		DO (mg/L)	11.4				
Repeat Site: 2	0847	Salinity (ppt)	29.6	29.6	29.6		
		Temp (oC)	16.0	16.0	16.0		
		DO (mg/L)	9.0	9.3	9.3		

**Entered by** PMF  
**Proofed by** CH

		Temp	Salinity	DO	Saturation
		C	ppt	ppm	%
	Site 1 - OM	16.3	29.8	9.9	121.0%
	Site 1 - 1M	16.3	29.8	9.8	119.7%
	Site 1 - 2M	16.3	29.8	9.8	119.7%
	Site 1 - 3M	16.3	29.8	9.8	119.7%
	Site 2 - OM	16.0	29.6	9.7	117.7%
	Site 2 - 1M	16.0	29.6	9.6	116.5%
	Site 2 - 2M	16.1	29.6	9.5	115.5%
	Site 2 - 3M				
	Site 3 - OM	15.8	29.4	9.4	113.4%
	Site 3 - 1M	15.7	29.4	9.5	114.4%
	Site 3 - 2M				
	Site 3 - 3M				
	Site 4 - OM	15.6	29.0	9.4	112.7%
	Site 4 - 1M				
	Site 4 - 2M				
	Site 5 - OM	14.3	21.4	7.7	85.8%
	Site 5 - 1M				
	Site 6 - OM	12.0	7.5	11.4	110.9%

**SPRUCE CREEK ASSOCIATION - Water Quality Data**

<b>Date</b>	09/12/06						
<b>Time</b>	1445						
<b>Monitors</b>	Steve Hall & Phyllis Ford						
<b>Weather Comments</b>	Light breeze, blue sky, 74oF						
<b>Cloud Cover</b>	Partly cloudy						
<b>Wind Conditions</b>	Breezy						
<b>Wind Direction</b>	SE						
<b>Waves</b>	Ripples						
<b>Tide</b>	High - 15:12 +10.3						
<b>RESULTS</b>	<b>Time</b>		<b>OM</b>	<b>1M</b>	<b>2M</b>	<b>3M</b>	<b>Comments</b>
Site 1: Bond Rd	1503	Salinity (ppt)	30.3	30.3	30.3	30.3	Wind causing small waves. Flock of comorants. Sal 30.2
		Temp (oC)	17.0	17.0	17.0	17.0	
		DO (mg/L)	7.7	7.8	7.8	7.9	
Site 2: Eagle Pt	1455	Salinity (ppt)	29.7	29.8	29.8	29.7	Sal 29.4
		Temp (oC)	17.4	17.4	17.3	17.3	
		DO (mg/L)	7.7	7.8	7.8	7.8	
Site 3: Moffat's Dock	1445	Salinity (ppt)	29.8	29.8	29.8	29.8	Sal 29.4
		Temp (oC)	17.7	17.5	17.5	17.5	
		DO (mg/L)	7.8	7.9	7.9	7.9	
Site 4: Trading Post	1535	Salinity (ppt)	29.6	29.6	29.6		Tide still coming in. <b>VERY</b> high tide. Sal 29.6
		Temp (oC)	17.5	17.5	17.5		
		DO (mg/L)	8.3	8.3	8.3		
Site 5: Picott Rd	1549	Salinity (ppt)	29.4	29.4			Tide coming in strong - very high! Sal 29.6
		Temp (oC)	18.3	18.3			
		DO (mg/L)	8.4	8.5			
Site 6: Wilson Rd	1600	Salinity (ppt)	28.2	28.3			Tide coming in, good flow but not rushing as at Picott. Very high. 2nd reading taken at .5M. Sal 28.0
		Temp (oC)	19.7	19.6			
		DO (mg/L)	8.3	8.4			
Repeat Site: 2	1455	Salinity (ppt)	29.8	29.8	29.7	29.8	
		Temp (oC)	17.4	17.4	17.3	17.3	
		DO (mg/L)	7.8	7.8	7.9	7.8	
<b>Entered by</b>	PMF						
<b>Proofed by</b>	CH						
			Temp	Salinity	DO	Saturation	
			C	ppt	ppm	%	
		Site 1 - OM	17.0	30.3	7.7	95.7%	
		Site 1 - 1M	17.0	30.3	7.8	96.9%	
		Site 1 - 2M	17.0	30.3	7.8	96.9%	
		Site 1 - 3M	17.0	30.3	7.9	98.1%	
		Site 2 - OM	17.4	29.7	7.7	96.1%	
		Site 2 - 1M	17.4	29.8	7.8	97.4%	
		Site 2 - 2M	17.3	29.8	7.8	97.2%	
		Site 2 - 3M	17.3	29.7	7.8	97.1%	
		Site 3 - OM	17.7	29.8	7.8	97.9%	
		Site 3 - 1M	17.5	29.8	7.9	98.8%	
		Site 3 - 2M	17.5	29.8	7.9	98.8%	
		Site 3 - 3M	17.5	29.8	7.9	98.8%	
		Site 4 - OM	17.5	29.6	8.3	103.7%	
		Site 4 - 1M	17.5	29.6	8.3	103.7%	
		Site 4 - 2M	17.5	29.6	8.3	103.7%	
		Site 5 - OM	18.3	29.4	8.4	106.4%	
		Site 5 - 1M					
		Site 6 - OM	19.7	28.2	8.3	107.2%	