BS	HI	FS	ELEV	
			H_2O 675.7	
	675.7			
			6.20	681.9
			H_2O 675.7	
			5.50	681.2
BS 5.51	688.30			
		12.50	H_2O 675.8	
⇒		5.51	682.8	682.8

St. Croix OHWM
So side of Kinni Delta

Aug 2, 2006 sunny
X Lapak
12:00 III Lapak

Kinni Park Sn Bay

using water level transfer

1:30 pm

@ Site 6

BM @ Park - Top of culvert

H_2O 6:10 pm

BM

BS	HI	FS	ELEV	
5.93	681.65	~~0.00~~	H_2O 675.72	
		0.00	681.65	① 681.65
		0.00	681.65	② 681.65
6.75	682.47		H_2O 675.72	
		0.89	681.58	681.6
		6.75	close ✓	
8.98	684.71		675.73	
		2.97	681.74	681.7
		2.97	681.74	681.7
8.99			close ✓	

St. Croix OHWM Aug 2, 2006

Lepak
Lepak

2^{30}

H_2O

Free Water stain, change in bark
150 ft d/s Carpenter dock

H_2O 2^{35}

Water Stain on Rocks
200 ft d/s Carpenter dock

H_2O 2^{40}

H_2O 3^{00}

Stain on triple trunk 10 & 12"

Stain dble silver maple 18 & 24"

H_2O 3.06

BS	HI	FS	ELEV	
~~9.73~~				
		~~2.45~~		
5.47	688.24			
		12.48	H_2O 675.76	675.8
		5.47	682.77	682.8
5.55	688.31	12.79 ~~13.79~~	682.76 H_2O 675.52	682.8
		12.79 ~~13.79~~		
		Direct reading	H_2O 675.7	
		5.9	681.6	681.6

St. Croix OHWM

Aug 3, 2006 sunny 75°
x Lepak
Lepak

~~H_2O Aug 2 @ 1 55 (Hidden Lake)~~
Did not use site

Aug 3
BM. check w/ H_2O level.

H_2O @ 9 35 am

Aug 3
BM H_2O check
H_2O @ 8 05 pm

Aug 3 @ 10 55 am
Vertical Rock wall, No of Kinni St. Park

	BS	HI	FS	ELEV	
	10.03	685.73		H_2O 675.7	
TP1			3.99	681.74	681.7
			4.80	680.93	e elev 681.5
	~~9.94~~			"	
			4.33	681.40	681.4
			~~9.93~~		
			10.03	← Best	
TP1	3.81	685.55		681.74	
			2.30	683.25	683.3
			3.06	682.49	682.50
			4.60		e elev 681.5
			3.82	close ✓	

St. Croix O HWM — Aug 3, 2006 Breezy 85°

Tilton Property — ⊼ Lepak, ⊞ Lepak

H_2O 12:45 pm (w/ wave action) — 10.03, 4.4, 3.3

Base of erosion line

ID'd by Tilton survey - erosion is evident

H_2O 12:50 (waves) — 9.94, 4.80, 5.14

Stain on foundation Block just south of dock access

H_2O (waves)

H_2O 1:10 pm in stilling pond

Base of erosion line

Bare Debris line

Stain on Rock - change color

ID'd by Tilton survey - erosion is evident

TP1

BS	HI	FS	ELEV	
~~6.63~~ 8.19	684.00		H_2O 675.81	
		0.70	683.30	683.3
		2.02	681.98	682.0
		2.15	681.85	681.9
		2.78	681.22	681.2
		~~2.42~~ 2.35	681.65	681.7
		2.40	681.60	681.6
		0.85	683.15	683.2
		0.78	683.22	683.2
		8.22		

Note: Did not close
H_2O level had dropped

St. Croix OHWM — Aug 3, 2006 Breezy 85°
RR u/s of Swing Bridge M1 side — x Lepak, ‡ Lepak

H_2O ~~2.55~~ 3.05 pm (used small connected bay) (instrument reset)

Base of Debris line above erosion line

Base - Bottom edge of exposed Horiz root
Beach / grade intercept

Top of light
Stain on rock in front of intercept

erosion area near intercept (test)

Bottom
Top of undercut mat (ceiling)

Beach / RR grade "intercept"

Bark damage or may have been erosion of previous sediment
(Stain) on tree

Base of debris line d/s from 1st sight

H_2O 4.05 pm

BS	HI	FS	ELEV	
8.43	684.17		H_2O 675.74	
		0.97	683.20	683.2
		1.87	682.30	682.3

St. Croix OHWM Aug 3, 2006 Breezy 85°

Green Beach (Starr Wood) ⊼ Lapak ⊞ Lapak

4:30 - 5 pm

9.13

debris line & beach / Bluff slope Intercept

Top of light stain

BS	HI	FS	ELEV	
9.59	685.29		H_2O 675.7	
		3.05	682.24	682.2
		6.17	679.12	
		9.58	–	

St. Croix OHWM Richardson

Aug 3, 2006 Breezy 85
I Lepak
II Lepak

10.51
-.72
5.9
8

H_2O 6:20 pm

Beach / Bluff Intercept

Willow / Silver Maple vegetation line
Riverside

H_2O 6:30 pm

BS	HI	FS	ELEV	
9.10	684.41		675.31	675.3
		2.23	682.18	682.2
		1.43	682.98	683.0
		1.67	682.74	682.7
		2.53	681.88	681.9
		2.11	682.30	682.3
		0.91	683.50	683.5
		1.97	682.44	682.4
		1.14	683.27	683.3
		1.61	682.80	682.8
			681.81	681.8
			681.86	681.9
		9.13	H_2O Level changed	

ST. Croix OHWM Sept 25 2006 Sunny No. Breeze 70°

RR u/s of Swing Bridge · My side ⊼ Lepel ⊼ Lepel

24.5 m some well small connected bars

Stain on tree (Cottonwood)

Bank erosion } near path from RR

Bank erosion

Top of light stain on Rock

" " dark " "

Debris line

Bottom of Adventisome Root on ash

Koich's Debris Mark

Top of large (12" dia) horizontal root

Bottom

Note: Root is actually 0.95 ft

4 pm (16:00)

St Croix Ri Hourly Levels: August 2-3, 2006

Prescott PREW3

August 2 ELEV FT

TIME	DATE	ELEV FEET INST-VAL
0800	02AUG2006	675.69
0900	02AUG2006	675.71
1000	02AUG2006	675.68
1100	02AUG2006	675.73
1200	02AUG2006	675.71
1300	02AUG2006	675.70
1400	02AUG2006	675.71
1500	02AUG2006	675.73
1600	02AUG2006	675.74
1700	02AUG2006	675.74
1800	02AUG2006	675.74
1900	02AUG2006	675.77
2000	02AUG2006	675.80

Stillwater STLM5

August 2 ELEV FT

TIME	DATE	ELEV FEET INST-VAL
0800	02AUG2006	675.76
0900	02AUG2006	675.78
1000	02AUG2006	675.81
1100	02AUG2006	675.84
1200	02AUG2006	675.84
1300	02AUG2006	675.88
1400	02AUG2006	675.90
1500	02AUG2006	675.93
1600	02AUG2006	675.88
1700	02AUG2006	675.84
1800	02AUG2006	675.91
1900	02AUG2006	675.96
2000	02AUG2006	675.96

Prescott PREW3

August 3 ELEV FT

TIME	DATE	ELEV FEET INST-VAL
0800	03AUG2006	675.71
0900	03AUG2006	675.67
1000	03AUG2006	675.65
1100	03AUG2006	675.57
1200	03AUG2006	675.54
1300	03AUG2006	675.52
1400	03AUG2006	675.53
1500	03AUG2006	675.50
1600	03AUG2006	675.46
1700	03AUG2006	675.45
1800	03AUG2006	675.44
1900	03AUG2006	675.43
2000	03AUG2006	675.42

Stillwater STLM5

August 3 ELEV FT

TIME	DATE	ELEV FEET INST-VAL
0800	03AUG2006	676.01
0900	03AUG2006	676.01
1000	03AUG2006	675.97
1100	03AUG2006	675.93
1200	03AUG2006	675.90
1300	03AUG2006	675.85
1400	03AUG2006	675.84
1500	03AUG2006	675.81
1600	03AUG2006	675.73
1700	03AUG2006	675.74
1800	03AUG2006	675.76
1900	03AUG2006	675.62
2000	03AUG2006	675.71