

Sample #	Location	Date	Base or Hydro	Nitrogen, Total - Persulfate mg/L	Phosphorus - Digested ug P/L	Turbidity NTU LaRosa	Turbidity NTU Norwich
090512-01	WIN 70.7	8/18/2009		0.27	14.70		2.11
090512-02	WIN 70.7	8/19/2009		0.25	15.20	1.88	
090659-01	WIN 70.7	8/28/2009	Base	0.33	44.40		2.44
090512-03	WIN 71.3	8/18/2009			13.90		2.15
090659-03	WIN 71.3	8/28/2009	Base	0.29	15.60		2.18
090512-05	WIN 71.3 BLANK	8/18/2009		0.10	5.00		
090512-04	WIN 71.3 DUP	8/18/2009		0.30	13.50		
090512-06	WIN 72.8	8/18/2009		0.25	13.10		2.57
090659-04	WIN 72.8	8/28/2009	Base	0.20	14.60		1.72
090659-06	WIN 72.8 BLANK	8/28/2009		0.10	5.00		
090659-05	WIN 72.8 DUP	8/28/2009		0.21	14.30		
090512-07	WIN 81.6	8/18/2009		0.25	14.00		1.47
090512-08	WIN 81.6	8/19/2009		0.35	32.00	5.17	
090659-07	WIN 81.6	8/28/2009	Base	0.27	15.40		0.89
090659-08	WIN 81.6	8/28/2009	Hydro	0.33	28.40		6.70
090512-09	WIN 81.8	8/18/2009		0.24	9.53		1.64
090659-09	WIN 81.8	8/28/2009	Base	0.26	9.73		0.90
090512-10	WIN 82.6	8/18/2009		0.28	10.90		2.00
090512-11	WIN 82.6	8/19/2009		0.35	20.90	4.22	
090659-10	WIN 82.6	8/28/2009	Base	0.28	9.05		0.84
090659-11	WIN 82.6	8/28/2009	Hydro	0.28	37.80		5.87
090512-12	WIN 83.8	8/18/2009		0.29	11.30		1.30
090512-13	WIN 83.8	8/19/2009		0.47	14.20	0.46	
090659-12	WIN 83.8	8/28/2009	Base	0.49	9.91		1.14
090512-14	WIN 84.1	8/18/2009		0.25	9.25		1.02
090659-14	WIN 84.1	8/28/2009	Base	0.22	8.41		0.84

George's Comments on the 8/18 run

Note: repeated readings on samples from Stations 81.6 and 81.8 and got substantially the same readings Attached is the spreadsheet of data from the samples Steve collected today (turbidity and conductivity). It We've seen that before but I think this is a stronger effect than we've seen at higher flows. Trends are no

George's Comments on the 8/28 run

I'm attaching the spreadsheet showing results of both of the sampling efforts. Note two worksheets. Clear

Steve's Comments on 8/28 run

Lucked out with a good second base flow and Hydro flow combo yesterday. Immediately after I finished sampling sites in Marshfield

I stopped at generating station and watched it begin generateing power at 4:10.							
Got some good pics and video of it. So I proceeded to sample cabot sites							
Then came back to Marshfield and sampled the Hydro flow in Marshfield.							
Waited three hours then went to Plainfield but flow was still not up at 7:30, not even at Twinfield yet							
So I dropped off Turb bottles with George, without the palinfield sample.							
As a result I have some spre bottles and may pick up a high flow event today, we'll see.							
When results come in I will report out to grp							
Back in the rain							
steve							

Conductivity uS/cm	Time	24 Hr rainfall	48 Hr rainfall	72 Hr rainfall	96 Hr rainfall	Stage (ft)	Flow	Tendency
30								
147								
151								
148								
191								
128								
300								
226								
254								
256								
250								
256								
254								
241								
301								
292								
297								
288								

3. : appears the conductivity at Station 70.7 is dramatically lowered by influx of water from Great Brook upstr
t so clear in the turbidity data. Perhaps less turbid in the upper two stations, but basically fluctuates up an

r increase in turbidity during the passage of the dam release.

