

8	0.094	22.60	7.87	7.35	10	16	1.6	24	2.40
8	0.128	24.64	8.03	12.03	10	20	2.0	20	2.00
9	0.094	22.61	7.82	7.45	10	17	1.7	46	4.60
9	0.132	25.13	8.12	4.16	8	32	4.0	2	0.25
10	0.093	22.73	7.75	7.41	10	14	1.4	24	1.90
10	0.129	25.49	8.30	7.58	10	28	2.8	1	0.10
11	0.083	22.66	7.80	7.46	10	13	1.3	22	2.20
11	0.130	25.69	8.29	7.35	10	29	2.9	2	0.20
12	0.093	22.67	7.78	7.20	10	15	1.5	4	0.40
13	0.096	22.44	8.02	8.14	10	39	3.9	30	3.00
13	0.108	19.23	7.73	9.80	10	24	2.4	12	1.20
13	0.127	25.12	8.16	7.56	9	28	3.1	20	2.22
14	0.092	22.44	8.01	8.15	10	22	2.2	11	1.10
15	0.095	22.44	7.85	7.93	10	28	2.8	12	1.20
15	0.137	25.76	8.15	7.49	10	21	2.1	6	0.60
16	0.092	21.44	7.11	8.53	10	28	2.8	6	0.60
16	0.136	25.64	8.17	7.46	10	19	1.9	3	0.30
17	0.091	21.67	7.35	7.91	10	32	2.8	36	0.60
18	0.089	21.18	7.43	6.97	10	25	2.5	12	1.20
18	0.108	20.08	7.59	8.75	10	13	1.3	2	0.20
18	0.129	25.82	8.19	7.36	10	32	3.2	7	0.70
19	0.091	21.53	7.39	7.31	10	31	3.1	18	1.80
19	0.127	25.24	7.92	6.53	10	25	2.5	0	0.00
20	0.090	21.70	7.44	7.78	10	22	2.2	19	1.90
21	0.094	21.52	7.70	7.57	10	16	1.6	16	1.60
21	0.139	26.65	8.18	7.35	9	27	3.0	2	0.22
22	0.092	21.72	7.79	7.52	10	20	2.0	27	2.70
23	0.091	21.79	7.76	7.71	9	17	1.9	15	1.67
24	0.091	21.93	7.71	8.06	10	17	1.7	13	1.30
25	0.091	21.44	7.60	8.07	10	30	3.0	20	2.00
26	0.092	21.80	7.66	7.53	10	22	2.2	15	1.50
26	0.098	26.93	8.27	7.03	10	17	1.7	3	0.30
27	0.091	21.15	7.70	7.93	10	43	4.3	75	7.40
28	0.090	21.46	7.59	7.55	10	13	1.3	15	1.50
28	0.133	26.78	8.29	7.51	10	21	2.1	5	0.50

29	0.097	22.27	7.72	8.16	8	19	2.38	36	4.50
29	0.149	25.39	7.89	6.49	10	24	2.4	0	0.00
30	0.095	22.43	7.80	8.40	10	24	2.4	21	2.10
31	0.108	19.88	7.60	9.60	10	24	2.4	40	4.00
31	0.126	26.30	8.33	7.76	10	25	2.5	7	0.70
32	0.108	20.42	7.70	8.23	10	21	4.1	28	2.80
33	0.110	20.48	7.64	7.97	10	41	4.1	28	2.80
33	0.133	27.13	8.47	8.08	10	19	1.9	1	0.10
34	0.112	20.90	7.90	6.01	10	11	1.1	9	0.90
2008 TOTAL					296	686	2.3	656	2.23
2009 TOTAL					60	134	2.2	107	1.78
2010 TOTAL					156	385	2.5	79	0.52

1.1.5 White Rapids Reservoir

White Rapids Reservoir was surveyed July 8, 2008, and July 7, 2010. One hundred stems were collected from 10 locations within the reservoir both years (Figure 1-5). The number of weevils found doubled from 2008 for a total of 3.15 weevils/stem (Table 1-5). The highest population was found in a sparse bed of EWM along T6 and T7 along the northern shore of the island. The lowest weevil population was found in the western bay along T3, where the EWM was noted as dense and covered in algae. The conductivity and temperature in 2010 was very similar to that in 2008, the DO and pH was significantly higher.

Table 1-5 2008 (Gray) and 2010 (Yellow) Stem Analysis and Water Quality Data at Each Transect in White Rapids Reservoir

	Water Quality				Stem Counts			Weevil Count	
Transect	Cond	Temp	pH	DO	Stems	Meristems	Ave. Meristems/ Stem	Total Weevils	Ave. Weevils/ Stem
1	0.231	24.85	8.26	6.97	10	21	2.1	9	0.80
1	0.246	25.29	7.98	11.50	10	14	1.4	11	1.10
2	0.237	24.82	8.16	7.80	10	10	1.0	7	0.70
2	0.255	25.23	7.78	9.10	10	14	1.4	27	2.70
3	0.254	25.66	8.05	5.38	8	8	1.0	3	0.38
3	0.252	25.46	7.59	6.30	10	16	1.6	1	0.10
4	0.235	24.66	8.10	8.39	10	26	2.6	13	1.30
4	0.252	24.87	7.75	10.17	10	11	1.1	16	1.60

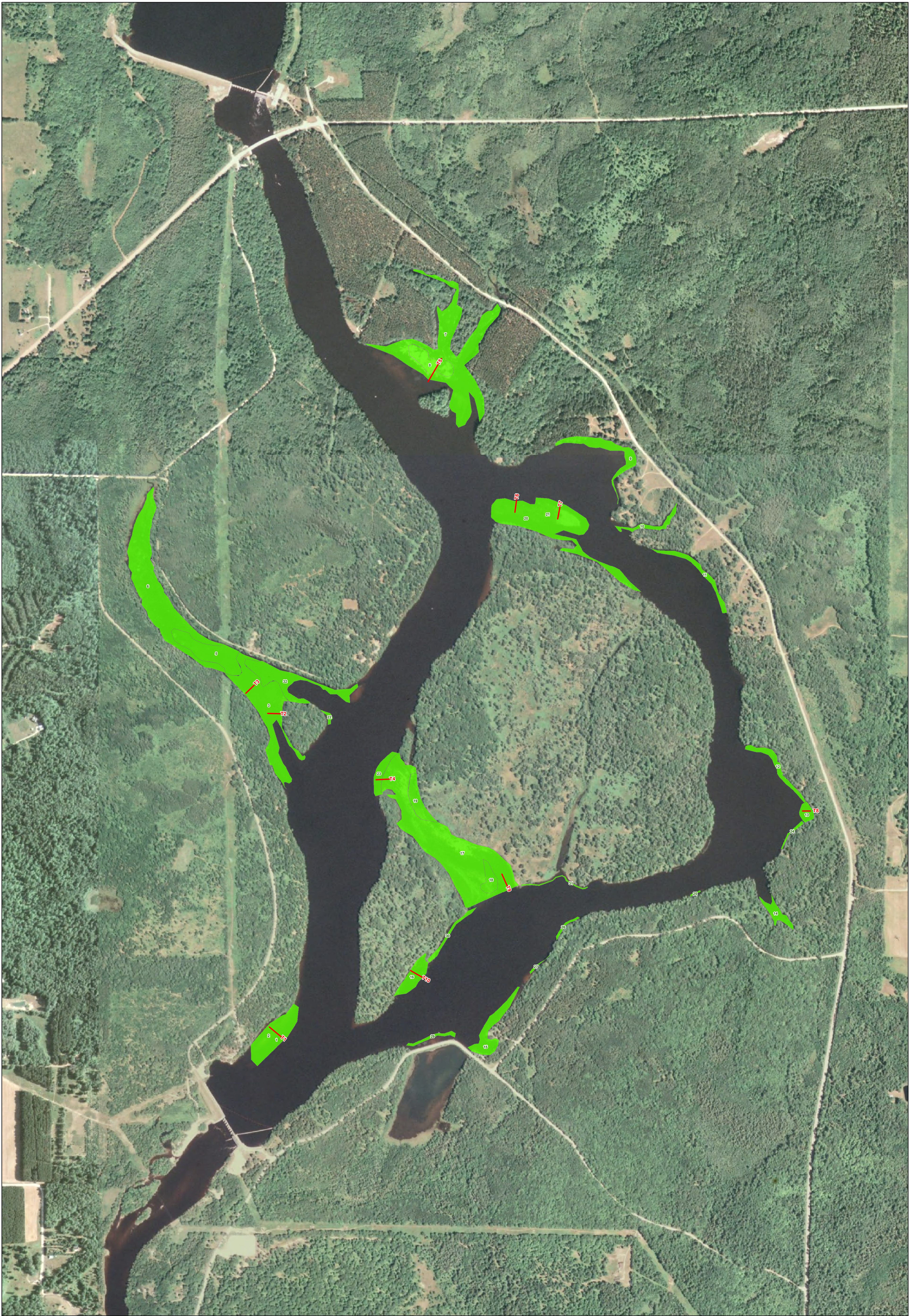


Figure 2-03. WE Energies White Rapids Hydro Project. 2008 & 2010 Weevil Distribution Survey.

- Survey Transect
- WHR_poly (WE Energies)

