

## **Implementation Strategies**

### **Abbreviations**

- WWP: Waste Water Management Plan
- SWP: Stormwater Management Plan
- TSI: Trophic Status Index testing (total phosphorus, chlorophyll and secchi)
- Winter: Sampling of the epilimnion and hypolimnion
- Overflight Conducting an environmental assessment of the lake from an aircraft and recording illegal activities, environmental concerns and permit documentation.
- Werring / TMDL: A procedure by which the land use is mathematically modeled to determine the nutrient loading to the lake. TMDL (total maximum daily load) is the amount of nutrients the lakes watershed can transfer to the lake in order to stay at or below the lake's TSI goal
- TSI Goal: The level of eutrophication which is acceptable to the fisheries and public use of the lake.
- Struc. M: Flow structure monitoring such as ditches and control structures.
- Lake Chg: Requesting the Minnesota Department of Natural Resources to change the classification of the lake.
- Aquatic Plant MP: Aquatic Plant Management Plan

# TSI Testing

X = DONE

O = TO DO

	Lake Name	Lake #	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
1	Bass Lake	18-256, RD				X	X	X		X			X	X	X				O	O	O
2	Bass Lake	18-402, RD							X	X			X	X	X				O	O	O
3	Bonnie Lake	18-259, NE				X	X	X	X	X				X	X	O				O	O
4	Clark Lake	18-374, GD				X	X	X	X	X				X	X	O				O	O
5	Crystal Lake	18-341, RD											X	X	X						
6	Douglas Lake	18-350W, NE	X	X	X	X	X	X	X	X		X		X	X	O				O	O
7	East Twin Lake	18-257W, NE	X									X	X	X				O	O	O	
8	Garden Lake	18-329, NE				X	X	X	X	X					X	O	O			O	O
9	Gladstone	18-338, GD				X	X	X	X	X			X	X	X						
10	Guida Lake	18-332, NE	X													O	O	O			
11	Hartley Lake	18-392, RD				X	X	X	X	X		X		X	X	O				O	O
12	Horseshoe Lake	18-251, Rd				X	X	X	X	X		X		X	X	O				O	O
13	James Lake	18-337P											X								
14	Johnson Lake	18-328P, NE	X																		
15	Lake Edward	18-305, GD				X	X	X	X	X		X		X	X	O				O	O
16	Lake Hubert	18-375, GD				X	X	X	X	X		X		X	X	O				O	O
17	Little Douglas Lake	18-748W	X	X	X	X	X	X	X	X						O	O	O			
18	Little Lake Hubert	18-340, RD				X	X	X	X	X							O	O	O		
19	Little Markee Lake	18-324P, NE										X	X	X			O	O	O		
20	Little Pelican Lake	18-351, GD				X	X	X	X	X							O	O	O		
21	Lougee Lake	18-342, RD				X	X	X	X	X		X					O	O	O		
22	Lynch Lake	18-347, NE	X	X	X	X	X	X	X	X		X					O	O	O		
23	Mallard Lake	18-334P, NE		X																	
24	Markee Lake	18-343, GD				X	X	X	X	X							O	O	O		
25	Moberg Lake	18-389W, NE		X								X	X	X				O	O	O	
26	Mollie Lake	18-335, NE				X	X	X	X	X							O	O	O		
27	Moody Lake	18-339W, NE		X																	
28	Mud Lake	18-326P, NE											X								
29	North Long Lake	18-372, GD				X		X	X	X							O	O	O		
30	Pelican Lake	18-308, GD				X	X	X	X	X	X	X					O	O	O		
31	Perch Lake	18-304, NE				X	X	X	X	X							O	O	O		
32	Rice Lake	18-327, NE											X	X	X						
33	Shaffer Lake	18-348, NE				X	X	X	X	X		X					O	O	O		
34	Sorenson Lake	18-323, RD				X	X	X	X	X					X	O	O				

	Lake Name	Lake #	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
35	Stevens Lake	18-325W, NE	X																		
36	Twin Lake	18-336P, RD											X								
37	West Twin Lake	18-258W, NE	X									X	X	X				O	O	O	
38	Young Lake	18-252, NE				X	X	X	X	X		X			X	O	O			O	O
39	18-250W	18-250W		X																	
40	18-330W	18-330W											X								
41	18-331	18-331W			X																
42	18-333P	18-333P																			
43	18-390W	18-390W			X																
44	18-449W	18-449W																			
45	18-451W	18-451W																			
46	18-555P	18-555P											X								
47	18-556W	18-556W																			
48	18-557W	18-557W			X																
49	18-558W	18-558W																			
50	18-571W	18-571W																			
51	18-593W	18-593W																			
52	18-594W	18-594W																			
53	18-596W	18-596W																			
	TOTAL NUMBER OF LAKES		8	7	6	23	22	23	23	24	1	14	14	16	15	12	16	16	16	14	11