

Curlyleaf Pondweed Assessment for Silver Lake on April 13, 2012

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A curlyleaf assessment was conducted using rake sampling on April 13, 2012 and 7 areas of pondweed colonization were delineated (Table 1 and Figure 1). Curlyleaf was found at low to moderate densities totaling about 10.6 acres.

Table 1. Aquatic plant densities based on rake sampling for April 13, 2012. Densities are based on a scale from 1 to 3 with 3 being the densest. Curlyleaf stems per rake sample were also noted. Areas with green shading are predicted to have light to moderate growth at the peak of the curlyleaf growth cycle. Areas with yellow shading are predicted to have moderate to heavy curlyleaf growth at it's peak.

Area	Point-Intercept Site	Depth (ft)	Curlyleaf pondweed	Curlyleaf stems on the rake sampler	Chara	Elodea	Watermilfoil	Stringy	White-stem	No plants
-	7	7			1					
	8	6.5	1	3						
	9	7			1					
	21	4	1	2	1	1				
	37	7					1			
	41	7								1
	50	9								1
	57	9								1
	60	8								
	68	9								1
	72	7			1			1		
	96	7	1	4						
111	6								1	
1	113	6	1	7						
	114	8	1	6						
	115	6	1	4			3			
	121	5	1	4						
2	94	7					3			
	97	8	2	8						
	107	5	2	20					1	
	108	6	3	25						
	109	6	1	5						
	110	6	2	12						
3	62	5	2	12						
	74	5	2							
	86	8	2	20						
4	63	7	1	6	1					
	65	8	1	2-4						
5	43	8	1	1						
6	11	6	2	15-16			1			
	13	6.5	2	14			1			
	23	8	2	7						
7	27	8	2	8						
	34	8	1-2	2-9						

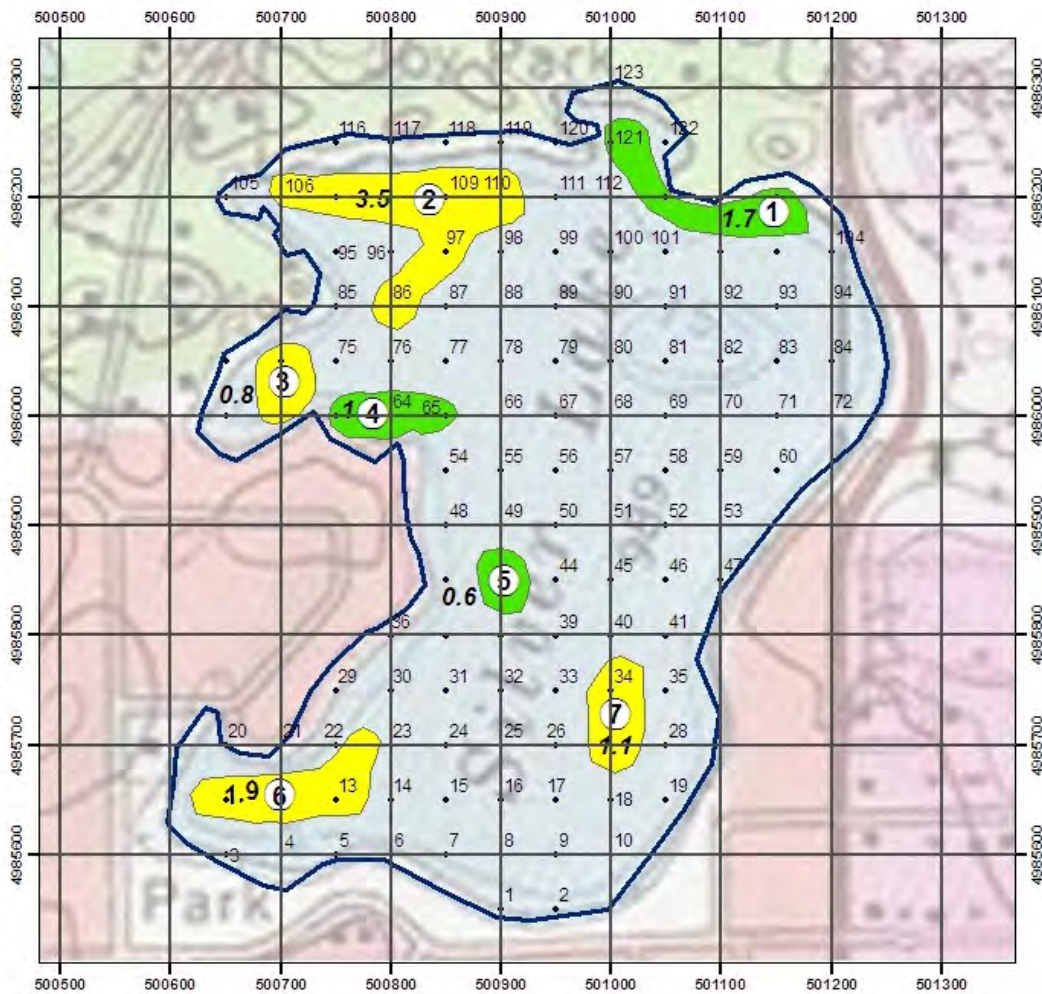


Curlyleaf pondweed density of 1.



Curlyleaf pondweed density of 2.

Curlyleaf Conditions in Silver Lake, April 13, 2012



Id	CLP Acres	CLP Density
1	1.7	1
2	3.5	2
3	0.8	2
4	1	1
5	0.6	1
6	1.9	2
7	1.1	2

Silver Lake, Ramsey Co. (62-0001-00)
 Lake Area: 72 acres
 Littoral Area: 71 acres

Water Temperature on April 13, 2012: 52 F



UTM NAD 1983
 Blue Water Science
 50m Grid

Figure 1. Curlyleaf delineation in Silver Lake on April 13, 2012 totaled 10.6 acres. Green shaded areas = 3.3 acres and yellow shaded areas = 7.3 acres.