

**Standard Aquatic Vegetation Summary Sheet**



Hardwood Lake, Ogemaw County

Survey Date: 8-Aug-08

Surveyors: Paul Hausler

Total Number of AVAS Sites: 39


Code No	Plant Name	Occurrence per				Relative Density Calculations				Relative Density		Code No	Plant Name
		A	B	C	D	A x 1	B x 10	C x 40	D x 80	Sum	%		
1	Eurasian milfoil					0	0	0	0	0	0.0	1	Eurasian milfoil
2	Curly leaf pondweed					0	0	0	0	0	0.0	2	Curly leaf pondweed
3	Chara					0	0	0	0	0	0.0	3	Chara
4	Thinleaf pondweed		1			0	10	0	0	10	0.3	4	Thinleaf pondweed
5	Flatstem pondweed					0	0	0	0	0	0.0	5	Flatstem pondweed
6	Robbins pondweed					0	0	0	0	0	0.0	6	Robbins pondweed
7	Variable pondweed					0	0	0	0	0	0.0	7	Variable pondweed
8	Whitestem pondweed					0	0	0	0	0	0.0	8	Whitestem pondweed
9	Richardsons pondweed					0	0	0	0	0	0.0	9	Richardsons pondweed
10	Illinois pondweed					0	0	0	0	0	0.0	10	Illinois pondweed
11	Large leaf pondweed		5	2		0	50	80	0	130	3.3	11	Large leaf pondweed
12	American pondweed					0	0	0	0	0	0.0	12	American pondweed
13	Floating leaf pondweed					0	0	0	0	0	0.0	13	Floating leaf pondweed
14	Water stargrass	1	8	1		1	80	40	0	121	3.1	14	Water stargrass
15	Wild celery	2	14	2		2	140	80	0	222	5.7	15	Wild Celery
16	Sagittaria					0	0	0	0	0	0.0	16	Sagittaria
17	Northern milfoil					0	0	0	0	0	0.0	17	Northern milfoil
18	M. verticillatum					0	0	0	0	0	0.0	18	M. verticillatum
19	M. heterophyllum					0	0	0	0	0	0.0	19	M. herterophyllum
20	Coontail		1			0	10	0	0	10	0.3	20	Coontail
21	Elodea					0	0	0	0	0	0.0	21	Elodea
22	Utricularia spp.					0	0	0	0	0	0.0	22	Utricularia spp.
23	Bladderwort-mini					0	0	0	0	0	0.0	23	Bladderwort-mini
24	Buttercup					0	0	0	0	0	0.0	24	Buttercup
25	Najas spp.					0	0	0	0	0	0.0	25	Najas spp.
26	Brittle naiad					0	0	0	0	0	0.0	26	Brittle naiad
27	Carex Lacustris		11	7		0	110	280	0	390	10.0	27	Carex Lacustris
28						0	0	0	0	0	0.0	28	
29						0	0	0	0	0	0.0	29	
30	Nymphaea		17	15		0	170	600	0	770	19.7	30	Nymphaea
31	Nuphar		8	16		0	80	640	0	720	18.5	31	Nuphar
32	Brasenia					0	0	0	0	0	0.0	32	Brasenia
33	Lemna minor					0	0	0	0	0	0.0	33	Lemna minor
34	Spirodella					0	0	0	0	0	0.0	34	Spirodella
35	Watermeal					0	0	0	0	0	0.0	35	Watermeal
36	Arrowhead					0	0	0	0	0	0.0	36	Arrowhead
37	Pickerelweed		9	5		0	90	200	0	290	7.4	37	Pickerelweed
38	Arrow arum					0	0	0	0	0	0.0	38	Arrow Arum
39	Cattails		13	5		0	130	200	0	330	8.5	39	Cattails
40	Bulrushes	1	5	10		1	50	400	0	451	11.6	40	Bulrushes
41	Iris					0	0	0	0	0	0.0	41	Iris
42	Swamp loosestrife					0	0	0	0	0	0.0	42	Swamp Loosestrife
43	Purple loosestrife					0	0	0	0	0	0.0	43	Purple Loosestrife
44	Phragmites Austraus					0	0	0	0	0	0.0	44	
45						0	0	0	0	0	0.0	45	

DATE: 8-8-08

CREW: PTH

WEATHER: PTLY CLDY 72°F H<sub>2</sub>O = 76°F

# HARDWOOD LAKE PLANT SURVEY MAP 172 ACRES

 = 1 ACRE

27. CAREX LACUSTRIS

Plant Names		Density
1	E. Milfoil	a Found
2	Curlyleaf pndwd	b Sparse
3	Chara	c Common
4	Thinleaf pndwd	d Dense
5	Flatstem pndwd	
6	Robbins pndwd	
7	Variable pndwd	
8	Whitestem pndwd	
9	Richardson pndwd	
10	Illinois pndwd	
11	Largeleaf pndwd	
12	American pndwd	
13	Float leaf pndwd	
14	Water stargrass	
15	Wild celery	
16	Sagittaria	
17	Northern milfoil	
18	M. verticillatum	
19	M. heterophyllum	
20	Coontail	
21	Elodea	
22	Utricularia vulgaris	
23	Bladderwort-mini	
24	Buttercup	
25	Southern naiad	
26	Brittle naiad	
30	Nymphaea	
31	Nuphar	
32	Brasenia	
33	Lemna minor	
34	Spirodella	
35	Watermeal	
36	Arrowhead	
37	Pickereelweed	
38	Arrow arum	
39	Cattails	
40	Bulrushes	
41	Iris	
42	Swamp loosestrife	
43	Purple loosestrife	

27. CAREX LACUSTRIS

