

Standard Aquatic Vegetation Summary Sheet

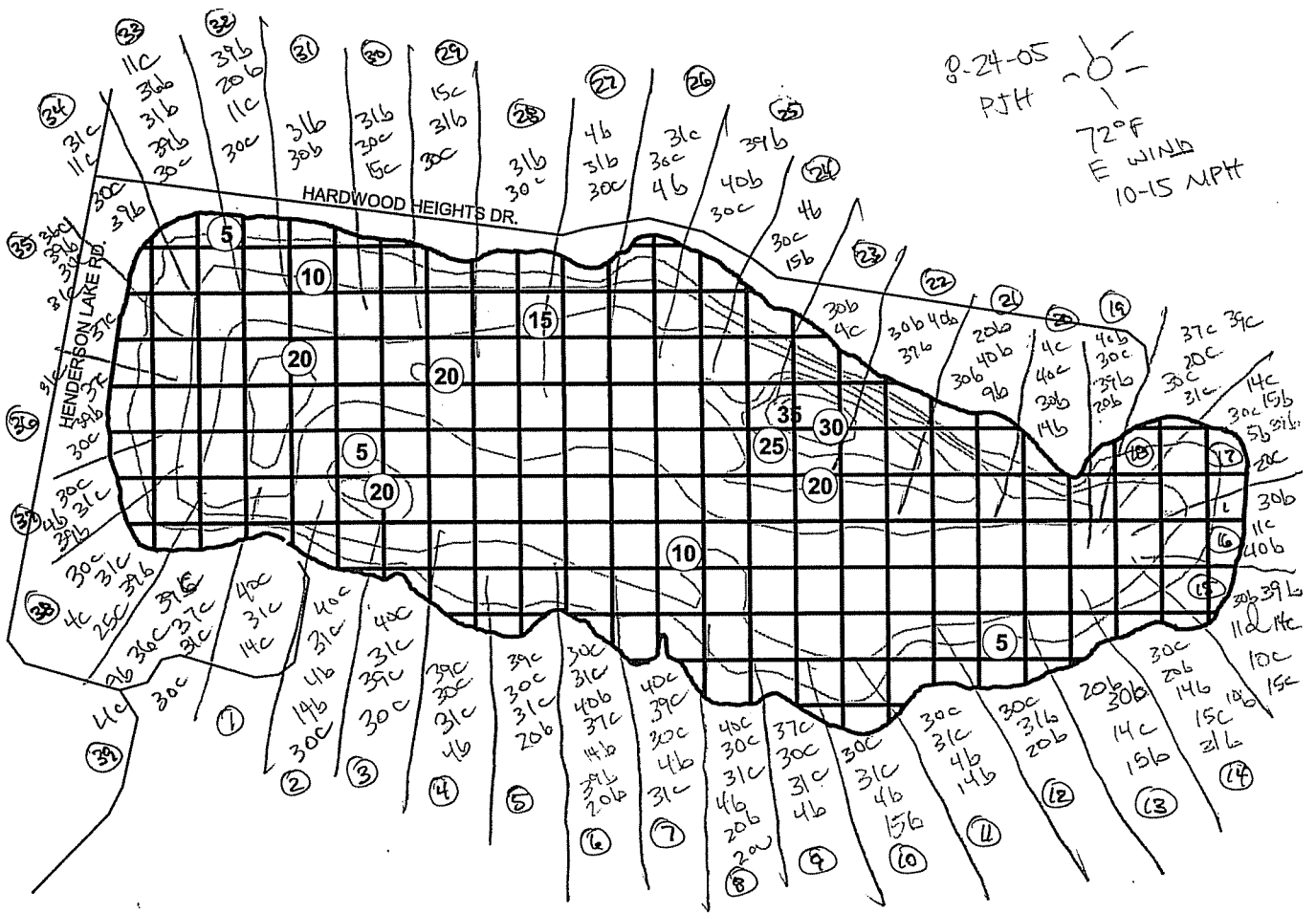
Lake Name: **Hardwood Lake**
 Survey Date: **24-Aug-05**
 Surveyors: **Paul Hausler**

Ogemaw County
 # AVAS **39**



Code #	Plant Name	Occurrence per Density Category				Relative Density Calculations				Relative Density for Entire Littoral Zone		Code #	Plant Name
		a	b	c	d	(a x 1)	(b x 10)	(c x 40)	(d x 80)	Sum	%		
1	E. Milfoil					0	0	0	0	0	0.0	1	E. Milfoil
2	Curlyleaf pndwd	1				1	0	0	0	1	0.0	2	Curlyleaf pndwd
3	Chara					0	0	0	0	0	0.0	3	Chara
4	Thinleaf pndwd		11	4		0	110	160	0	270	6.9	4	Thinleaf pndwd
5	Flatstem pndwd		1			0	10	0	0	10	0.3	5	Flatstem pndwd
						0	0	0	0	0	0.0		
6	Robbins pndwd					0	0	0	0	0	0.0	6	Robbins pndwd
7	Variable pndwd					0	0	0	0	0	0.0	7	Variable pndwd
8	Whitestem pndwd					0	0	0	0	0	0.0	8	Whitestem pndwd
9	Richardsons pndwd		2			0	20	0	0	20	0.5	9	Richardsons pndwd
10	Illinois pndwd		1	1		0	10	40	0	50	1.3	10	Illinois pndwd
						0	0	0	0	0	0.0		
11	Largeleaf pndwd			4	1	0	0	160	80	240	6.2	11	Largeleaf pndwd
12	American pndwd					0	0	0	0	0	0.0	12	American pndwd
13	Floating leaf pndwd					0	0	0	0	0	0.0	13	Floating leaf pndwd
14	Water stargrass		5	4		0	50	160	0	210	5.4	14	Water stargrass
15	Wild celery		4	4		0	40	160	0	200	5.1	15	Wild celery
						0	0	0	0	0	0.0		
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. heterophyllum
20	Coontail		9	2		0	90	80	0	170	4.4	20	Coontail
						0	0	0	0	0	0.0		
21	Elodea					0	0	0	0	0	0.0	21	Elodea
22	Utricularia vulgaris					0	0	0	0	0	0.0	22	Utricularia vulgaris
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	Southern naiad			1		0	0	40	0	40	1.0	25	Southern naiad
						0	0	0	0	0	0.0		
26	Brittle naiad					0	0	0	0	0	0.0	26	Brittle naiad
27	Polygonum sp.					0	0	0	0	0	0.0	27	Polygonum sp.
28						0	0	0	0	0	0.0	28	
29						0	0	0	0	0	0.0	29	
30	Nymphaea		8	30		0	80	1200	0	1280	32.8	30	Nymphaea
						0	0	0	0	0	0.0		
31	Nuphar		8	19		0	80	760	0	840	21.5	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
						0	0	0	0	0	0.0		
36	Arrowhead		1	2		0	10	80	0	90	2.3	36	Arrowhead
37	Pickereelweed			6		0	0	240	0	240	6.2	37	Pickereelweed
38	Arrow arum					0	0	0	0	0	0.0	38	Arrow arum
39	Cattail		14	6		0	140	240	0	380	9.7	39	Cattail
40	Bulrush		6	6		0	60	240	0	300	7.7	40	Bulrush
						0	0	0	0	0	0.0		
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						0	0	0	0	0	0.0	44	
45						0	0	0	0	0	0.0	45	

Total 111.3



Plant Names

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

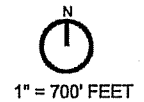
Density

- a Found
- b Sparse
- c Common
- d Dense

☐ = 1 ACRE

**HARDWOOD LAKE
AQUATIC PLANT SURVEY MAP**
OGEMAW COUNTY, MICHIGAN

DEPTH CONTOURS GIVEN IN FEET



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