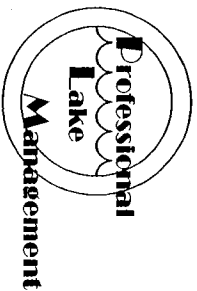


### Standard Aquatic Vegetation Summary Sheet

Code No	Plant Name	Total number of AVAS's for each Density Category				Calculations				Sum of Columns 5-8	Total No. of AVAS	Col 9 divided by Col 10
		A	B	C	D	A x 1	B x 10	C x 40	D x 80			
1	Eurasian watermilfoil	11	18	13		11	180	520		711	117	6.08
2	Curly leaf pondweed											
3	Chara	27	32	40	10	27	320	1600	800	2747	117	23.48
4	Thinleaf pondweed											
5	Flatstem pondweed	8	5			8	50			58	117	0.50
6	Robbins pondweed											
7	Variable pondweed	4	2			4	20			24	117	0.21
8	White stem pondweed											
9	Richardsons pondweed											
10	Jilinois pondweed											
11	Large leaf pondweed	16	8			16	80			96	117	0.82
12	American pondweed											
13	Floating leaf pondweed											
14	Water stargrass	7	15	2		7	150	80		237	117	2.03
15	Wild celery	13	38	4		13	380	160		553	117	4.73
16	Sagittaria (submersed)											
17	Northern watermilfoil											
18	Green watermilfoil											
19	Two-leaved watermilfoil											
20	Coontail	15	3			15	30			45	117	0.38
21	Elodea											
22	Bladderwort											
23	Mini Bladderwort											
24	Buttercup											
25	Naiad	35	52	9		35	520	360		915	117	7.82
26	Brittle naiad											
27	Sago Pondweed	19	26			19	260			279	117	2.38
28												
29												
30	Water Lily	7	4	13		7	40	520		567	117	4.85
31	Spatterdock	6	6			6	60			66	117	0.56
32	Water shield											
33	Lemna minor											
34	Greater duckweed											
35	Watermeal											
36	Arrowhead											
37	Pickereilweed											
38	Arrow arum											
39	Cattail	5	4	8	1	5	40	320	80	445	117	3.80
40	Burrush	4	1			4	10			14	117	0.12
41	Iris											
42	Swamp loosestrife											
43	Purple loosestrife											
44												
45												

Total cumulative cover

57.75



## Explanation of DEQ-Format Lake Vegetation Maps and Summary Sheets

The maps and/or vegetation summary sheets provided as part of your report are in a standard format as required by the Michigan Department of Environmental Quality (DEQ). The maps divide the parts of the lake capable of growing aquatic plants into subareas and record the cover of each aquatic plant species found in each area. Vegetation summary sheets summarize the information from the maps in a form that the DEQ uses to make decisions about permits.

Notations on the map are interpreted as follows:

Number (= plant species) Letter (=approximate cover of this plant)

For Example:

“1b” indicates plant species #1 at a density of b

Species are usually numbered according to a standardized numbering system (at right). We often reproduce the species number key and species name abbreviations on the map itself. The cover codes a, b, c and d are used to describe the approximate coverage of each plant within the map area, as described in the following table.

Cover Code	Approximate Cover Range
a	1-2%
b	3-20%
c	21-60%
d	61-100%

Thus the example “1b” refers to Eurasian watermilfoil covering between 3 and 20 percent of the area of the lake in which this code appears.

Shading on the map is used to identify areas of overall plant coverage, locations of problem exotic species or areas requiring management. A key on the map should indicate exactly what is indicated by shading.

No	Plant Name
1	Eurasian watermilfoil
2	Curly leaf pondweed
3	Chara
4	Thrinleaf pondweed
5	Flatstem pondweed
6	Robbins pondweed
7	Variable pondweed
8	White stem pondweed
9	Richardsons pondweed
10	Illinois pondweed
11	Large leaf pondweed
12	American pondweed
13	Floating leaf pondweed
14	Water stargrass
15	Wild celery
16	Sagittaria (submersed)
17	Northern watermilfoil
18	Green watermilfoil
19	Two-leaved watermilfoil
20	Coontail
21	Elodea
22	Bladderwort
23	Mini Bladderwort
24	Buttercup
25	Naiad
26	Brittle naiad
27	
28	
29	
30	Water Lily
31	Spatterdock
32	Water shield
33	Lemna minor
34	Greater duckweed
35	Watermeal
36	Arrowhead
37	Pickereelweed
38	Arrow arum
39	Cattail
40	Bulrush
41	Iris
42	Swamp loosestrife
43	Purple loosestrife