

Permit # 2082

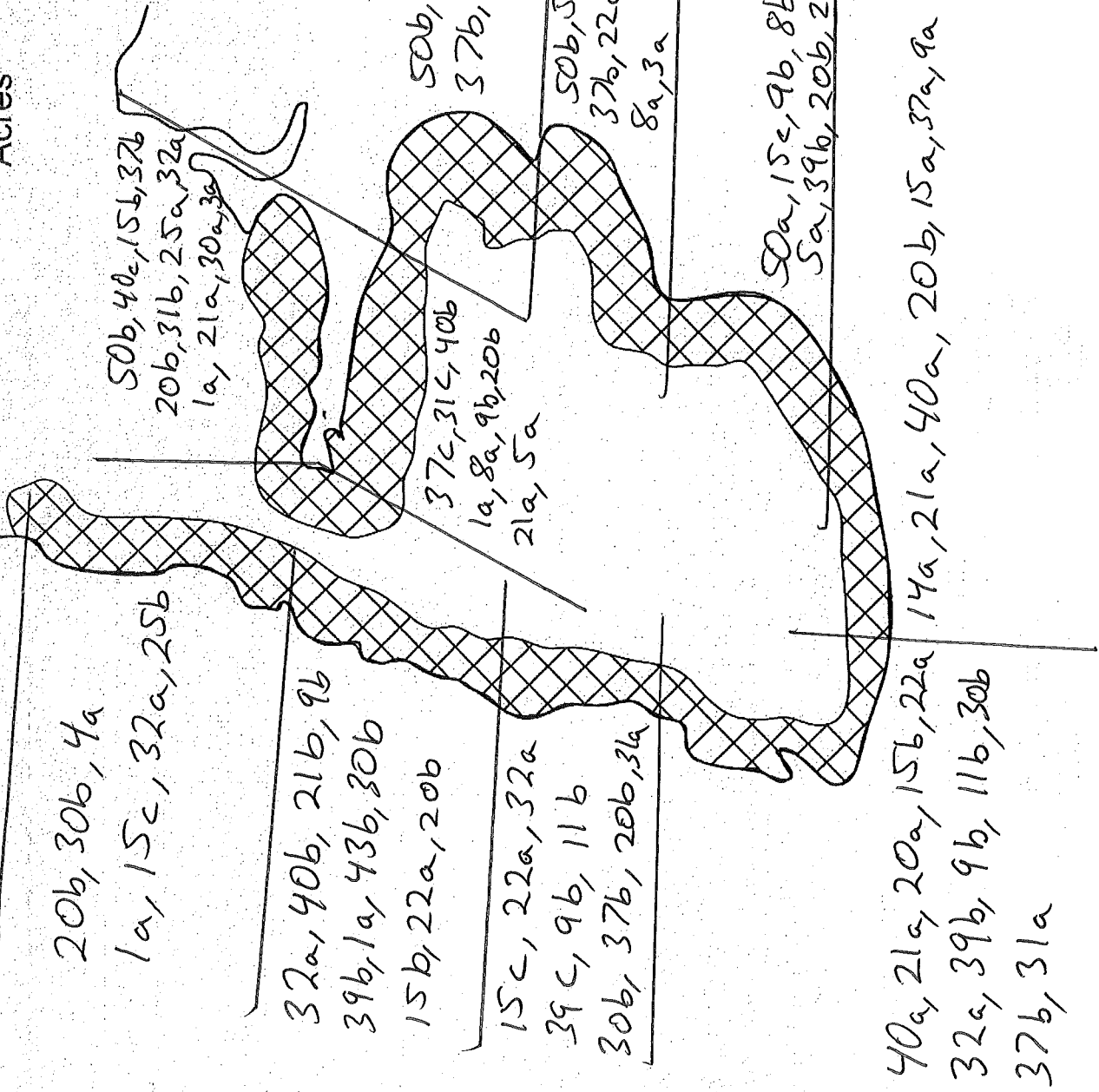
Jason - Sunny 73° - H₂O 77°

8-11-16

Exotic Treatment Area = 307

Acres

Vasey = #50



N

4 Miles

PIKE BAY
~450 Surface Acres (as shown)
Houghton County
Chassell Township



Explanation of DEQ-Format Lake Vegetation Maps and Summary Sheets

The maps are in a standard format as required by the Michigan Department of Environment 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.

1	Eurasian watermilfoil
2	Curlyleaf pondweed
3	Chara
4	Thinleaf pondweed
5	Flatstem pondweed
6	Robbins pondweed
7	Variable pondweed
8	Whitestem pondweed
9	Richarsons pondweed
10	Illinois pondweed
11	Largeleaf pondweed
12	American pondweed
13	Floating leaf pondweed
14	Water stargrass
15	Wild celery
16	Sagittaris (submersed)
17	Northern milfoil
18	Green watermilfoil
19	Two-leaved milfoil
20	Coontail
21	Elodea
22	Bladderwort
23	Mini Bladderwort
24	Buttercup
25	Naiad
26	Brittle Naiad
27	Sago pondweed
28	Cabomba
29	Starry stonewort
30	Water lily
31	Spatterdock
32	Water shield
33	Lemna minor
34	Greater duckweed
35	Watermeal
36	Arrowhead
37	Pickerelweed
38	Arrow arum
39	Cattail
40	Buirush
41	Iris
42	Swamp loosestrife
43	Purple loosestrife
44	Phragmites
45	Variable leaf milfoil
46	Slender spikerush
47	Smartweed
48	Water marigold
49	American lotus
50	