

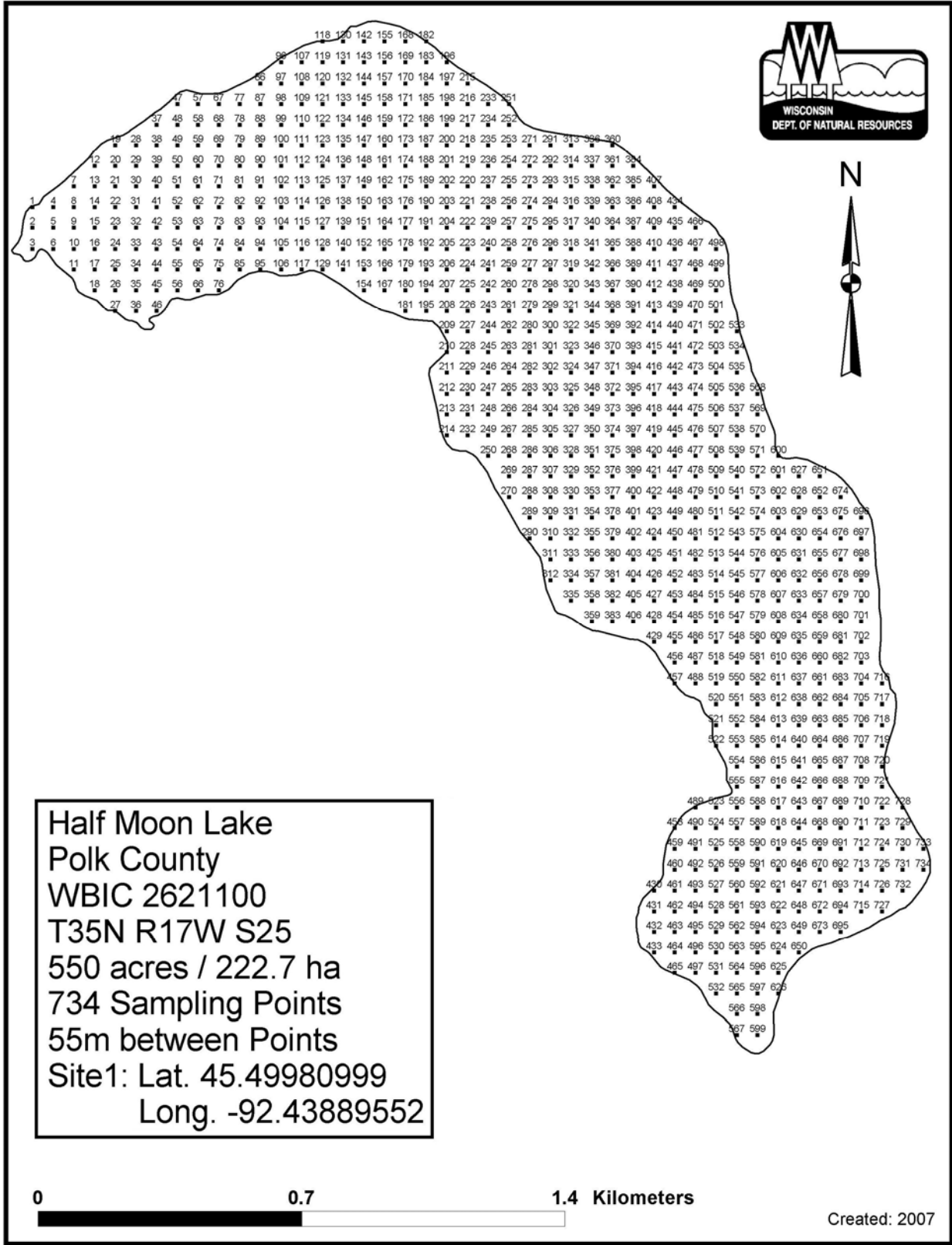
Half Moon Lake, Polk County

Total number of sample points	734
Total number of points sampled	372
Total number of sites with vegetation	203
Total number of sites shallower than maximum depth of plants	285
Frequency of occurrence at sites shallower than maximum depth of plants	71.23
Simpson Diversity Index	0.93
Maximum depth of plants (ft)	25.00
Number of sites sampled using rake on Rope (R)	76
Number of sites sampled using rake on Pole (P)	194
Average number of all species per site (shallower than max depth)	2.87
Average number of all species per site (veg. sites only)	4.03
Average number of native species per site (shallower than max depth)	2.86
Average number of native species per site (veg. sites only)	4.02
Species Richness	33
Species Richness (including visuals)	36

Species richness includes filamentous algae

<u>Species</u>	<u>Littoral frequency of occurrence</u>	<u># Sites where present</u>	<u>Average rake fullness</u>	<u># Visual sightings</u>
Brasenia schreberi, Watershield	0.70	2	1.5	6
Ceratophyllum demersum, Coontail	29.47	84	1.54	1
Chara, Muskgrasses	15.44	44	1.02	7
Eleocharis acicularis, Needle spikerush	4.91	14	1	
Eleocharis palustris, Creeping spikerush				2
Elodea sp. or spp., Waterweed	22.81	65	1.42	
filamentous algae	15.44	44	1.02	
Heteranthera dubia, Water star-grass	5.96	17	1	1
Lemna minor, Small duckweed	0.35	1	1.00	8
Lemna trisulca, Forked duckweed	5.61	16	1.00	
Megalodonta beckii, Water marigold	3.86	11	1.09	
Myriophyllum sibiricum, Northern water milfoil	10.53	30	1.30	1
Myriophyllum tenellum, Dwarf water milfoil	4.56	13	1	2
Najas flexilis, Bushy pondweed	5.61	16	1	4
Nitella sp., Nitella	1.40	4	1	
Nuphar variegata, Spatterdock	3.86	11	2.36	13
Nymphaea odorata, White water lily	3.86	11	2.55	14
Pontederia cordata, Pickerelweed	0.35	1	1	11
Potamogeton amplifolius, Large-leaf pondweed	8.42	24	1.13	6
Potamogeton crispus, Curly-leaf pondweed	1.05	3	1.00	
Potamogeton gramineus, Variable pondweed	15.44	44	1.02	13
Potamogeton illinoensis, Illinois pondweed	0.35	1	1	
Potamogeton natans, Floating-leaf pondweed	0.35	1	1	2

Potamogeton pusillus, Small pondweed	23.16	66	1.50	3
Potamogeton richardsonii, Claspingleaf pondweed	9.82	28	1.07	
Potamogeton robbinsii, Robbins pondweed	25.61	73	1.36	5
Potamogeton zosteriformis, Flat-stem pondweed	29.47	84	1.33	
Ranunculus aquatilis, Stiff water crowfoot	7.02	20	1	1
Sagittaria sp.	0.35	1	1	7
Schoenoplectus tabernaemontani, Softstem bulrush				4
Spirodela polyrhiza, Large Duckweed	0.70	2	1	5
Stuckenia pectinata, Sago pondweed	0.70	2	1	4
Typha sp., Cattail				1
Unknown TL pondweed (too disintegrated to id)	2.46	7	1	
Vallisneria americana, Wild celery	27.37	78	1.23	20
Wolffia columbiana, Common watermeal	0.35	1	1	5



Half Moon Lake
 Polk County
 WBIC 2621100
 T35N R17W S25
 550 acres / 222.7 ha
 734 Sampling Points
 55m between Points
 Site 1: Lat. 45.49980999
 Long. -92.43889552

0 0.7 1.4 Kilometers

Created: 2007