

Table 1: Taxa Detected During 2009 Aquatic Plant Survey, Wilke Lake, Manitowoc County, Wisconsin

Genus	Species	ID	Common Name	Category
<i>Ceratophyllum</i>	<i>demersum</i>	1	Coontail	Submersed
<i>Chara</i>	<i>sp.</i>	2	Muskgrass	Submersed
<i>Myriophyllum</i>	<i>spicatum</i>	3	Eurasian water-milfoil	Submersed
<i>Potamogeton</i>	<i>crispus</i>	4	Curly-leaf pondweed	Submersed
<i>Potamogeton</i>	<i>gramineus</i>	5	Variable pondweed	Submersed
<i>Potamogeton</i>	<i>illinoensis</i>	6	Illinois pondweed	Submersed
<i>Potamogeton</i>	<i>praelongus</i>	7	White-stem pondweed	Submersed
<i>Sagittaria</i>	<i>sp.</i>	8	Arrowhead	Emergent
<i>Utricularia</i>	<i>vulgaris</i>	9	Common bladderwort	Submersed

Table 2: 2009 Aquatic Plant Community Statistics, WilkeLake, Manitowoc County, Wisconsin

Aquatic Plant Community Statistics	2007
Frequency of occurrence at sites shallower than maximum depth of plants	89.64%
Simpson Diversity Index	0.72
Maximum Depth of Plants (Feet)	16
Taxonomic Richness (Number Taxa)	9
Average Number of Species per Site (sites less than max depth of plant growth)	1.32
Average Number of Species per Site (sites with vegetation)	1.48
Average Number of NATIVE Species per Site (sites less than max depth of plant growth)	0.91
Average Number of NATIVE Species per Site (sites with vegetation)	1.28

Table 3: 2009 Aquatic Plant Taxa-Specific Statistics, Wilke Lake, Manitowoc County, Wisconsin

Genus	Species	Common Name	Percent Frequency of Occurrence within vegetated areas	Percent Frequency of Occurrence at sites shallower than max depth of plants	Percent Relative Frequency of Occurrence	Number of Intercept Points Where Detected	Average Density
<i>Ceratophyllum</i>	<i>demersum</i>	Coontail	0.50	0.45	0.34	1	1
<i>Chara</i>	<i>sp.</i>	Muskgrass	76.38	68.47	51.70	152	2
<i>Myriophyllum</i>	<i>spicatum</i>	Eurasian water-milfoil	36.68	32.88	24.83	73	2
<i>Potamogeton</i>	<i>crispus</i>	Curly-leaf pondweed	9.05	8.11	6.12	18	1
<i>Potamogeton</i>	<i>gramineus</i>	Variable pondweed	12.06	10.81	8.16	24	1
<i>Potamogeton</i>	<i>illinoensis</i>	Illinois pondweed	7.54	6.76	5.10	15	1
<i>Potamogeton</i>	<i>praelongus</i>	White-stem pondweed	0.50	0.45	0.34	1	1
<i>Sagittaria</i>	<i>sp.</i>	Arrowhead	0.50	0.45	0.34	1	1
<i>Utricularia</i>	<i>vulgaris</i>	Common bladderwort	4.52	4.05	3.06	9	1

Table 4: 2009 Floristic Quality Index, Wilke Lake, Manitowoc County, Wisconsin

Genus	Species	Common Name	Coefficient of Conservatism C	Present
<i>Ceratophyllum</i>	<i>demersum</i>	Coontail	3	1
<i>Chara</i>	<i>sp.</i>	Muskgrass	7	1
<i>Potamogeton</i>	<i>gramineus</i>	Variable pondweed	7	1
<i>Potamogeton</i>	<i>illinoensis</i>	Illinois pondweed	6	1
<i>Potamogeton</i>	<i>praelongus</i>	White-stem pondweed	8	1
<i>Sagittaria</i>	<i>sp.</i>	Arrowhead	7	1
<i>Utricularia</i>	<i>vulgaris</i>	Common bladderwort	7	1

N 7.00
 Mean C 6.43
Floristic Quality Index (FQI) 17.01

Please note: There is no Coefficient of Conservatism for exotic species such as Eurasian Water-Milfoil.

Coefficient of Conservatism C

- 0-3 taxa found in wide variety of plant communities and very tolerant of disturbance.
- 4-6 taxa typically associated with specific plant communities and tolerate moderate disturbance.
- 7-8 taxa found in narrow range of plant communities and tolerate minor disturbance.
- 9-10 taxa restricted to a narrow range of synecological conditions, with low tolerance of disturbance.

Table 5: Historical Plant Communities Observed in Wilke Lake

Genus	Species	Common Name	1992	2003	2009
<i>Ceratophyllum</i>	<i>demersum</i>	Coontail	x		x
<i>Chara</i>	<i>sp.</i>	Muskgrass	x	x	x
<i>Lemna</i>	<i>minor</i>	Duckweed	x		
<i>Myriophyllum</i>	<i>sibiricum</i>	Nortern water-milfoil	x	x	
<i>Myriophyllum</i>	<i>spicatum</i>	Eurasian water-milfoil	x	x	x
<i>Najas</i>	<i>flexilis</i>	Bushy pondweed	x	x	*
<i>Nuphar</i>	<i>variegata</i>	Spatterdock	x	x	*
<i>Nymphaea</i>	<i>odorata</i>	White water lily	x	x	*
<i>Potamogeton</i>	<i>amplifolius</i>	Large-leaf pondweed	x	x	
<i>Potamogeton</i>	<i>crispus</i>	Curly-leaf pondweed	x	x	x
<i>Potamogeton</i>	<i>diversifolius</i>	Water-thread pondweed		x	
<i>Potamogeton</i>	<i>foliosus</i>	Leafy pondweed		x	
<i>Potamogeton</i>	<i>gramineus</i>	Variable pondweed		x	x
<i>Potamogeton</i>	<i>illinoensis</i>	Illinois pondweed		x	x
<i>Potamogeton</i>	<i>natan</i>	Floating-leaf pondweed		x	
<i>Potamogeton</i>	<i>praelongus</i>	White-stem pondweed			x
<i>Sagittaria</i>	<i>sp.</i>	Arrowhead		x	x
<i>Scirpus</i>	<i>sp.</i>	Bullrushes	x	x	*
<i>Stuckenia</i>	<i>pectinata</i>	Sago pondweed	x	x	
<i>Typha</i>	<i>latifolia</i>	Broad-leaved cattail	x	x	*
<i>Utricularia</i>	<i>vulgaris</i>	Common bladderwort			x

x - indicates species was sampled

* - indicates species was observed, but not sampled