SUMMARY STATS 2012 Lake Wingra, Dane County, WI:

Total number of sites visited	498
Total number of sites with vegetation	404
Total number of sites shallower than maximum depth of plants	498
Frequency of occurrence at sites shallower than maximum depth of plants	81.12
Simpson Diversity Index	0.66
Maximum depth of plants (ft)**	13.00
Number of sites sampled using rake on Rope (R)	0
Number of sites sampled using rake on Pole (P)	498
Average number of all species per site (shallower than max depth)	1.41
Average number of all species per site (veg. sites only)	1.73
Average number of native species per site (shallower than max depth)	0.67
Average number of native species per site (veg. sites only)	1.54
Species Richness	19
Species Richness (including visuals)	22

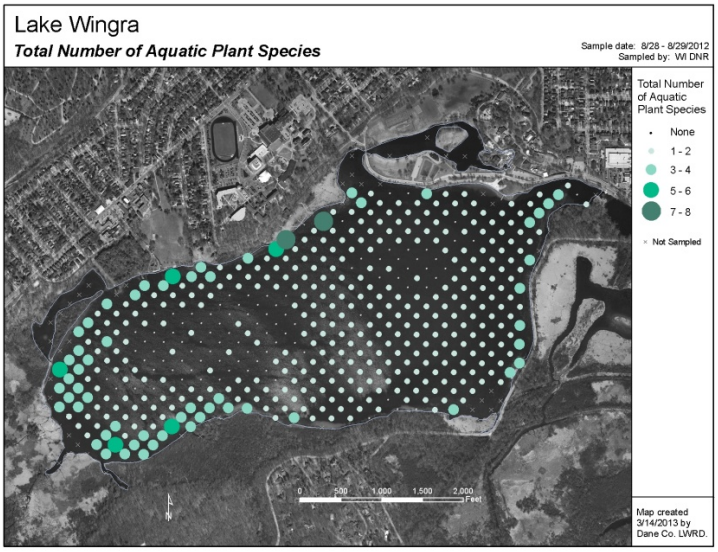
APPENDIX B - Lake Wingra Plant Survey Summary 2012

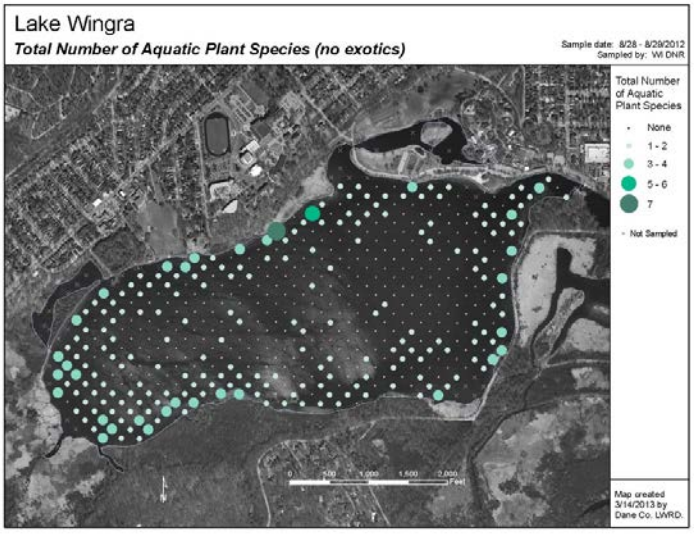
Specie	Frequency Occurrence (%)	Relative Frequency (%)	Sites Found	Average Rake Fullness
Eurasian watermilfoil*	73.1	52.0	364	1.6
Coontail	34.7	24.7	173	1.2
Wild celery	4.0	2.9	20	1.2
Muskgrasses	2.4	1.7	12	1.1
Water star-grass	0.6	0.4	3	1.0
Illinois pondweed	2.4	1.7	12	1.1
White-stem pondweed	6.4	4.6	32	1.3
Sago pondweed	3.6	2.6	18	1.0
Small duckweed	1.0	0.7	5	1.0
White water lily	5.2	3.7	26	1.7
Common waterweed	0.6	0.4	3	1.0
Northern watermilfoil	2.8	2.0	14	1.1
Flat-stem pondweed	0.2	0.1	1	1.0
Bushy pondweed				
Clasping-leaf pondweed	1.6	1.1	8	1.0
Curly-leaf pondweed *				
Common bladderwort				
Frie's pondweed				
Floating-leaf pondweed	0.2	0.1	1	1.0
Large Duckweed	0.4	0.3	2	1.0
Forked duckweed				
Spatterdock	0.6	0.4	3	1.0
Cattail				
Turion duckweed				
Common watermeal	0.2	0.1	1	1.0
Slender naiad				
Long-leaf pondweed				
Freshwater sponge				
American lotus				
Cattail				
Softstem bulrush				
Swamp loosestrife				
Common bladderwort				
Swamp loosestrife				
Softstem bulrush				
Purple loosestrife*				
Filamentous algae	7.8		39	1.0

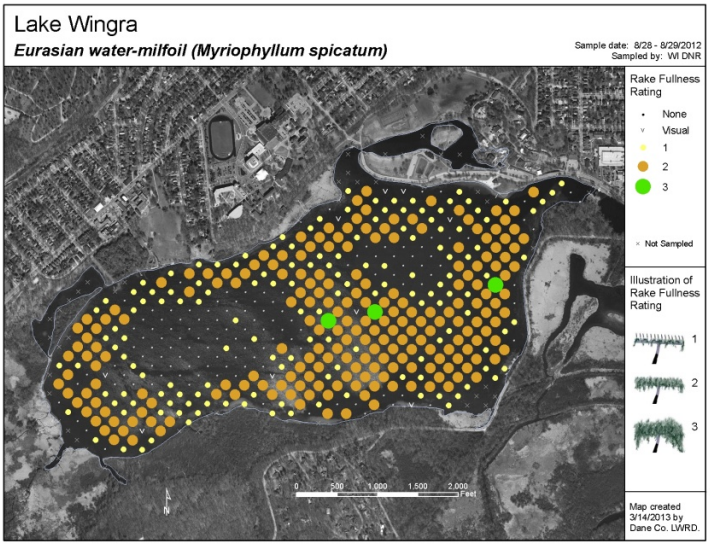
* = species non-native and potentially invasive in WI

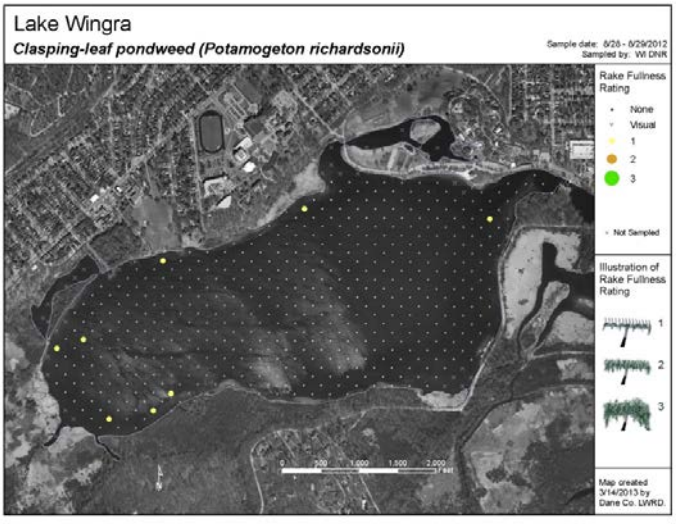
APPENDIX C – AQUATIC PLANT DISTRIBUTIONS (2012)

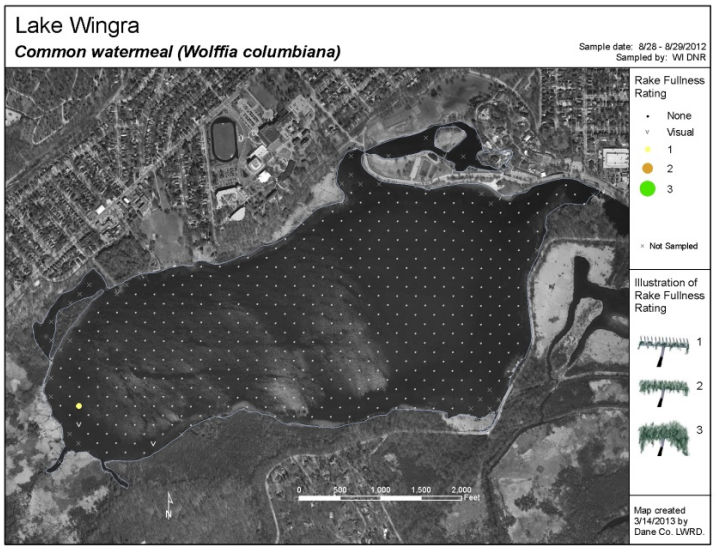
Lake Wingra

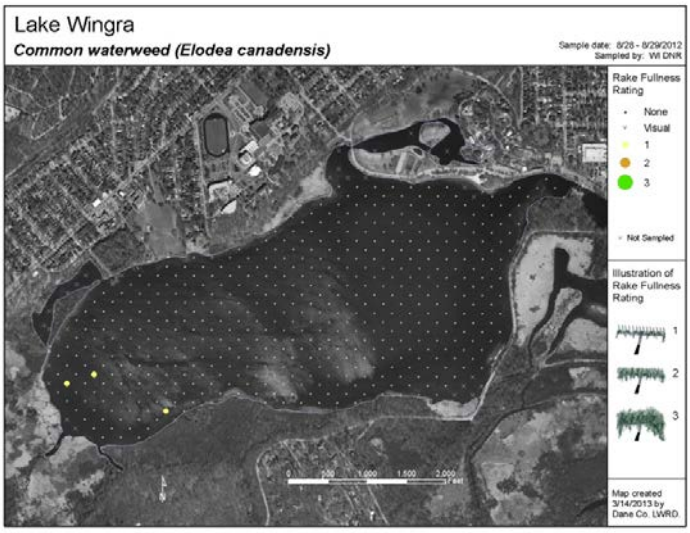









Lake Wingra
Common watermeal (Wolffia columbiana)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
Common waterweed (Elodea canadensis)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
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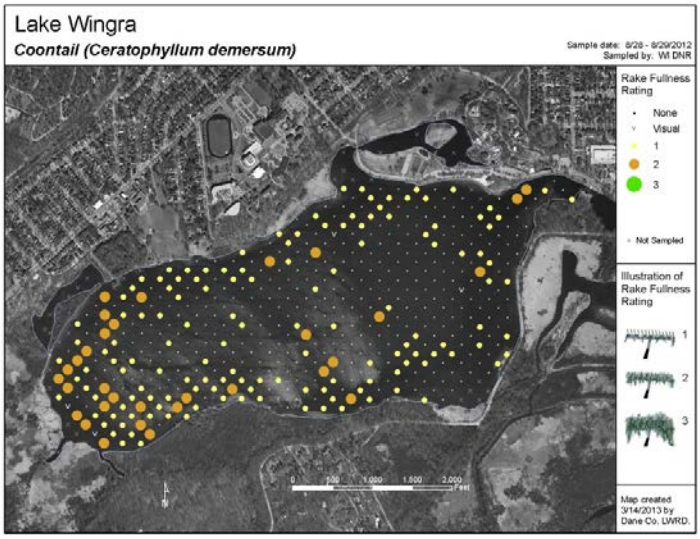
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
Coontail (Ceratophyllum demersum)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
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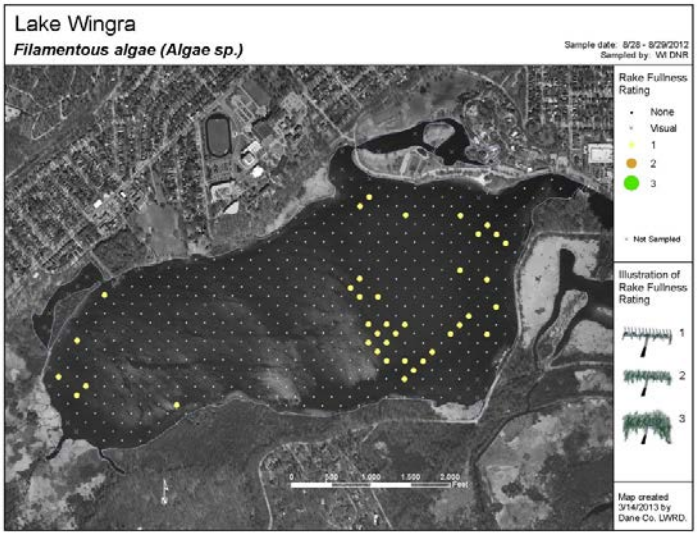
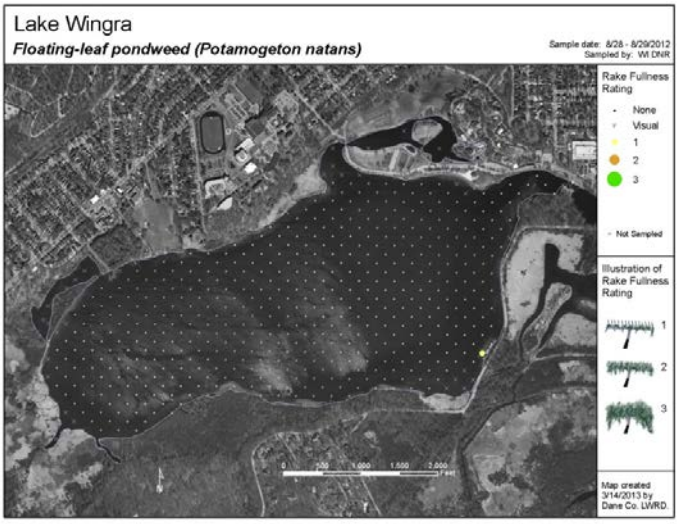
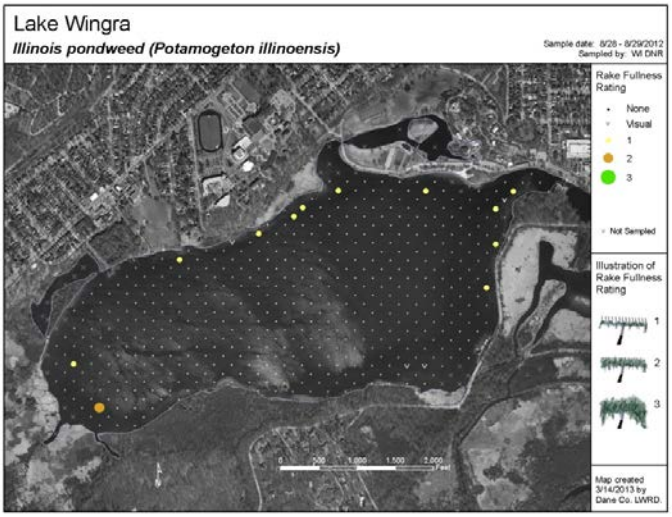
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.

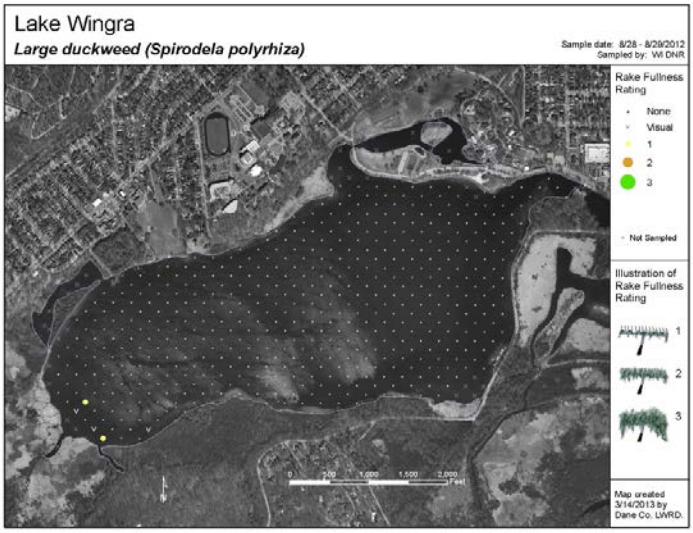

Lake Wingra
Filamentous algae (Algae sp.)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.

Lake Wingra
Flat-stem pondweed (Potamogeton zosteriformis)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.

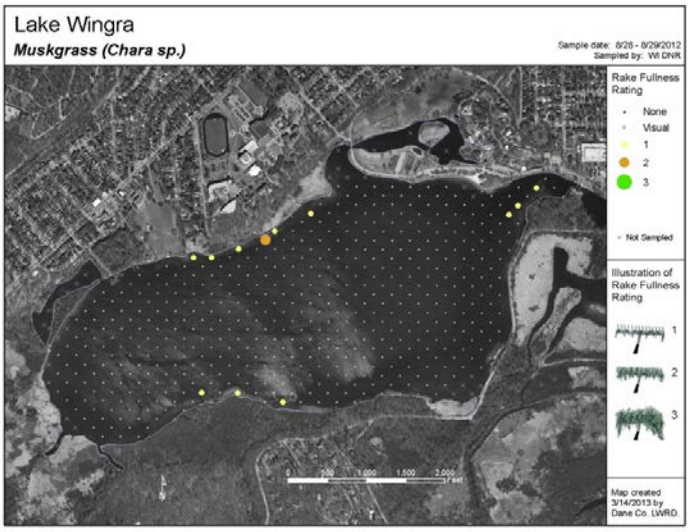

Lake Wingra
Floating-leaf pondweed (Potamogeton natans)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.

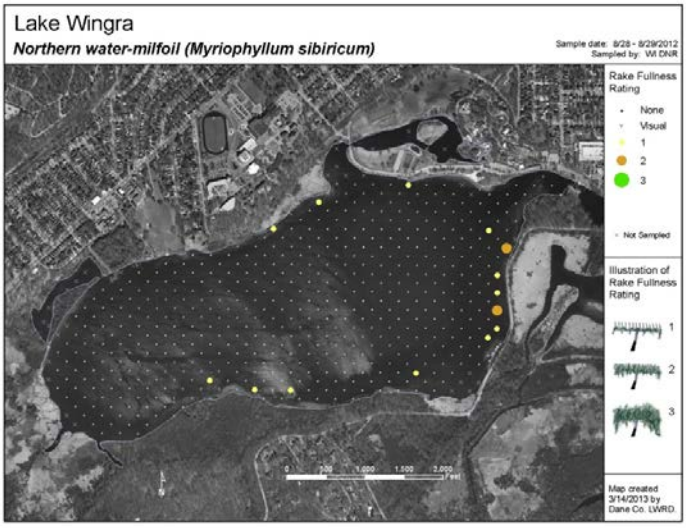
Lake Wingra
Fries' pondweed (Potamogeton friesii)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
Map created 3/14/2013 by Dane Co. LWRD.

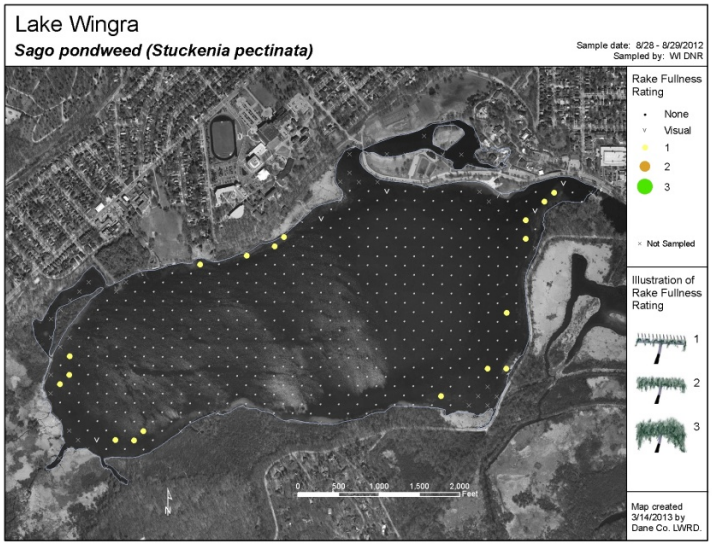

Lake Wingra
Illinois pondweed (Potamogeton illinoensis)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
Map created 3/14/2013 by Dane Co. LWRD.

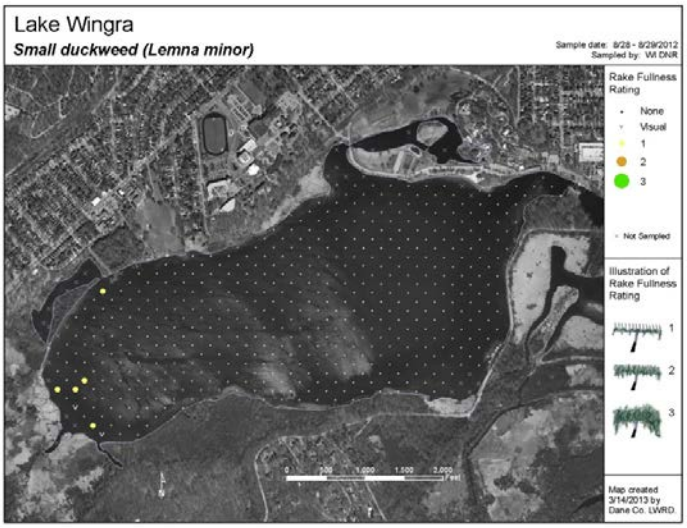

Lake Wingra
Large duckweed (Spirodela polyrhiza)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
Map created 3/14/2013 by Dane Co. LWRD.

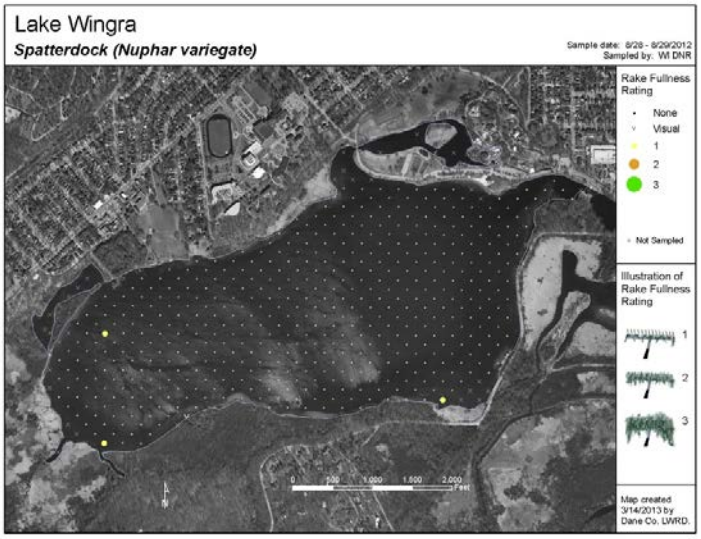
Lake Wingra
Milfoil (Myriophyllum sp.)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
Muskgrass (Chara sp.)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
Map created 3/14/2013 by Dane Co. LWRD.

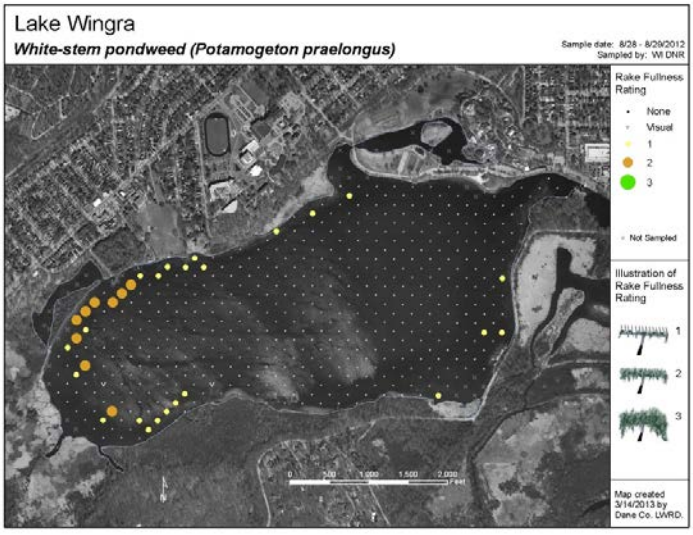

Lake Wingra
Northern water-milfoil (Myriophyllum sibiricum)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
Map created 3/14/2013 by Dane Co. LWRD.

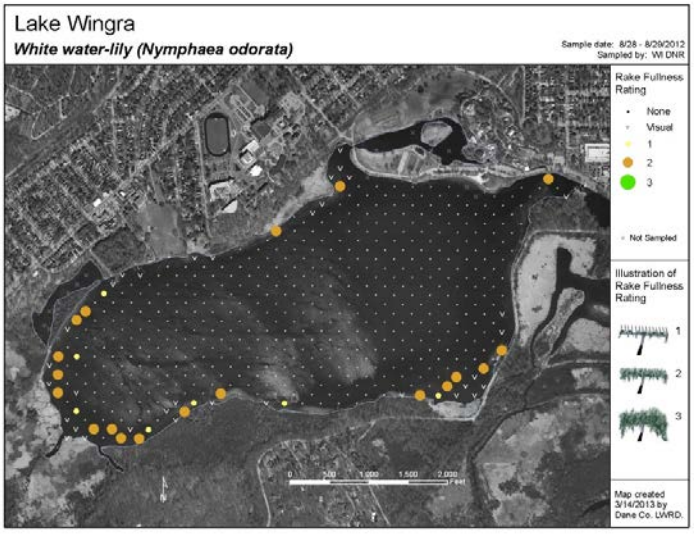

Lake Wingra
Sago pondweed (Stuckenia pectinata)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.

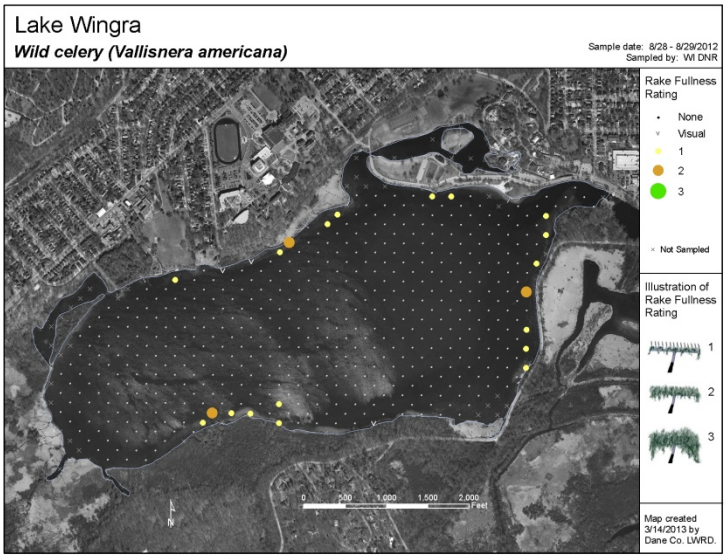

Lake Wingra
Small duckweed (Lemna minor)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
Spatterdock (Nuphar variegate)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.

Lake Wingra
Water star-grass (Heteranthera dubia)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
White-stem pondweed (Potamogeton praelongus)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
White water-lily (Nymphaea odorata)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
Map created 3/14/2013 by Dane Co. LWRD.


Lake Wingra
Wild celery (Vallisnera americana)
Sample date: 8/28 - 8/29/2012
Sampled by: WI DNR
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0
500
1,000
1,500
2,000
Feet
N
Map created 3/14/2013 by Dane Co. LWRD.