APPENDIX A JENNI & KYLE PRESERVE PONDS PLANT STATISTICS (2011)

The data entry file was corrupted, yielding only the following summary statistics.

JENNI & KYLE PRESERVE PONDS 2011 SUMMARY STATS:

Total number of sites visited	17
Total number of sites with vegetation	16
Species Richness	7

APPENDIX B TENNEY POND PLANT STATISTICS (2011)

TENNEY POND 2011 SUMMARY STATS:

Total number of sites visited	55
Total number of sites with vegetation	48
Total number of sites shallower than maximum depth of plants	53
Frequency of occurrence at sites shallower than maximum depth of plants	90.57
Simpson Diversity Index	0.56
Maximum depth of plants (ft.)	6.5
Number of sites sampled using rake on Rope (R)	0
Number of sites sampled using rake on Pole (P)	55
Average number of all species per site (shallower than max depth)	1.25
Average number of all species per site (veg. sites only)	1.38
Average number of native species per site (shallower than max depth)	1.06
Average number of native species per site (veg. sites only)	1.17
Species Richness	5
Species Richness (including visuals)	5

TENNEY POND PLANT SURVEY DATA 2011

Species		Frequency of Occurrence Littoral (%)	Relative Frequency (%)	Sites Found	Ave. Rake Fullness
Ceratophyllum demersum, Coontail		**21.67**	**46.4**	**13**	**1.08**
Nymphaea odorata, White water lily		**25**	**53.6**	**15**	**1.47**

APPENDIX C - VERONA QUARRY PLANT STATISTICS (2011)

VERONA QUARRY 2011 SUMMARY STATS:

Total number of sites visited	21
Total number of sites with vegetation	16
Total number of sites shallower than maximum depth of plants	20
Frequency of occurrence at sites shallower than maximum depth of plants	80
Simpson Diversity Index	0.81
Maximum depth of plants (ft.)**	16.0
Number of sites sampled using rake on Rope (R)	0
Number of sites sampled using rake on Pole (P)	41
Average number of all species per site (shallower than max depth)	1.30
Average number of all species per site (veg. sites only)	1.63
Average number of native species per site (shallower than max depth)	1.15
Average number of native species per site (veg. sites only)	1.44
Species Richness	8.00
Species Richness (including visuals)	8.00

Verona Quarry 2011 Plant Survey Data Summary					
		Frequency of Occurrence Littoral (%)	**Relative Frequency (%)**	**Sites Found**	**Ave. Rake Fullness**
Myriophyllum spicatum, Eurasian watermilfoil		**10**	**7.7**	**2**	**1.50**
Potamogeton crispus, Curly-leaf pondweed		**5**	**3.8**	**1**	**1.00**
Ceratophyllum demersum, Coontail		**35**	**26.9**	**7**	**1.43**
Chara sp., Muskgrasses		**10**	**7.7**	**2**	**1.50**
Elodea canadensis, Common Waterweed		**5**	**3.8**	**1**	**1.00**
Najas lexilis, slender naiad		**20**	**15.4**	**4**	**1.75**
Potamogeton foliosus, Leafy pondweed		**10**	**7.7**	**2**	**1.50**
Stuckenia pectinata, Sago pondweed		**35**	**26.9**	**7**	**1.14**

APPENDIX D – VILAS LAGOON PLANT STATISTICS

SUMMARY STATS 2011 VILAS LAGOON:

Total number of sites visited	50
Total number of sites with vegetation	52
Total number of sites shallower than maximum depth of plants	50
Frequency of occurrence at sites shallower than maximum depth of plants	104.00
Simpson Diversity Index	0.74
Maximum depth of plants (ft.)**	4
Number of sites sampled using rake on Rope (R)	0
Number of sites sampled using rake on Pole (P)	53
Average number of all species per site (shallower than max depth)	2.12
Average number of all species per site (veg. sites only)	2.13
Average number of native species per site (shallower than max depth)	1.56
Average number of native species per site (veg. sites only)	1.66
Species Richness	5
Species Richness (including visuals)	5

VILAS LAGOON 2011 PLANT SURVEY DATA SUMMARY

Species		Frequency of Occurrence Littoral (%)	Relative Frequency (%)	Sites Found	Ave. Rake Fullness
Myriophyllum spicatum, Eurasian watermilfoil		**56**	**25.2**	**28**	**1.11**
Ceratophyllum demersum, Coontail		**86**	**38.7**	**43**	**1.60**
Elodea canadensis, Common Waterweed		**14**	**6.3**	**7**	**1.29**
Nymphaea odorata, White water lily		**26**	**11.7**	**13**	**1.54**
Stuckenia pectinata, Sago pondweed		**40**	**18**	**20**	**1.70**

APPENDIX E – WARNER LAGOON PLANT STATISTICS (2011)

SUMMARY STATS 2011 WARNER LAGOON:

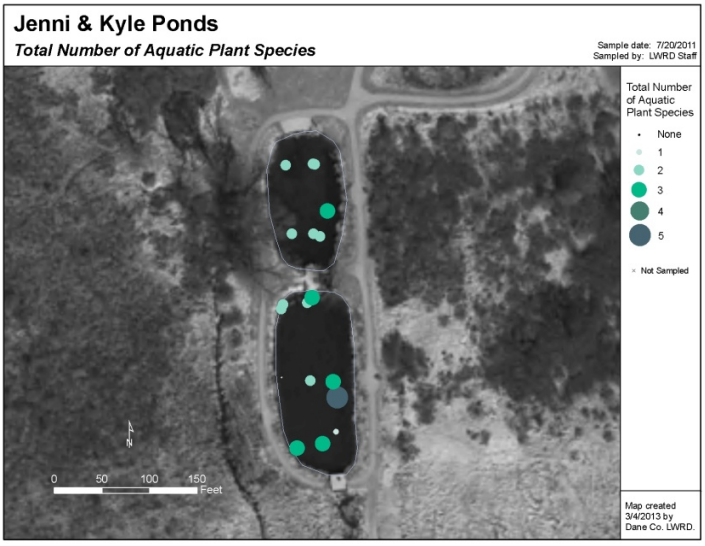
Total number of sites visited	85
Total number of sites with vegetation	22
Total number of sites shallower than maximum depth of plants	60
Frequency of occurrence at sites shallower than maximum depth of plants	36.67
Simpson Diversity Index	0.50
Maximum depth of plants (ft.)	6.0
Number of sites sampled using rake on Rope (R)	0
Number of sites sampled using rake on Pole (P)	85
Average number of all species per site (shallower than max depth)	0.47
Average number of all species per site (veg. sites only)	1.27
Average number of native species per site (shallower than max depth)	0.47
Average number of native species per site (veg. sites only)	1.27
Species Richness	2
Species Richness (including visuals)	2

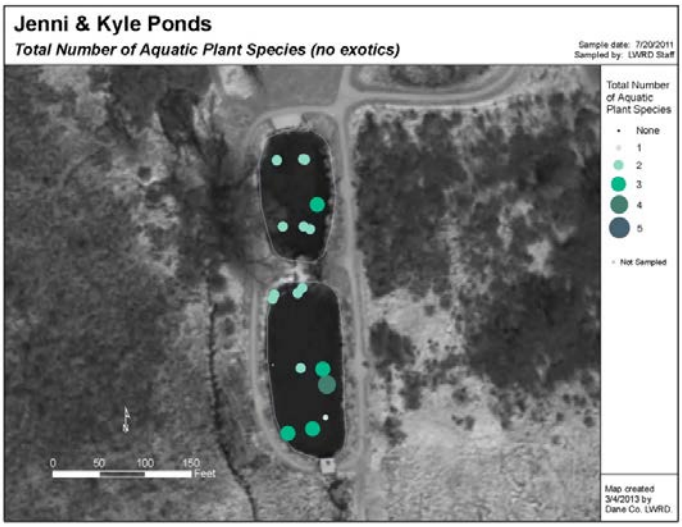
WARNER LAGOON 2011 PLANT SURVEY DATA SUMMARY

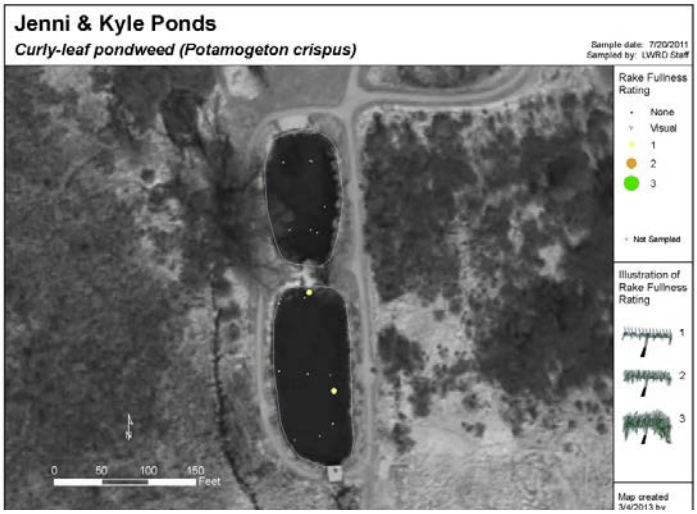
Species		Frequency of Occurrence Littoral (%)	Relative Frequency (%)	Sites Found	Ave. Rake Fullness
Ceratophyllum demersum, Coontail		**21.67**	**46.4**	**13**	**1.08**
Nymphaea odorata, White water lily		**25**	**53.6**	**15**	**1.47**

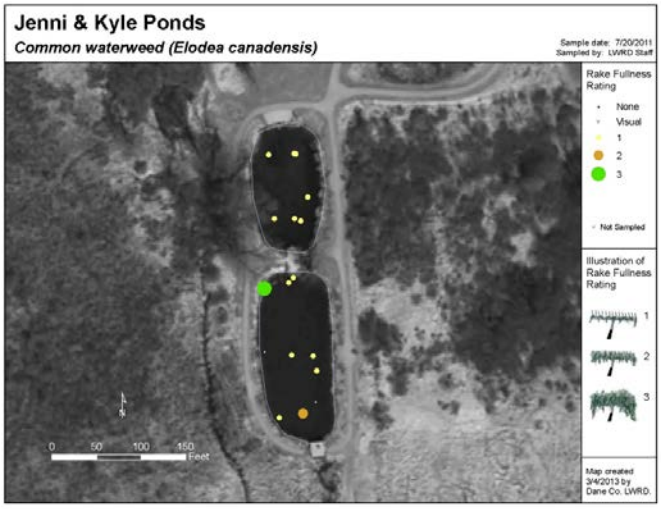
APPENDIX F – AQUATIC PLANT DISTRIBUTIONS PONDS IN DANE COUNTY (2011)

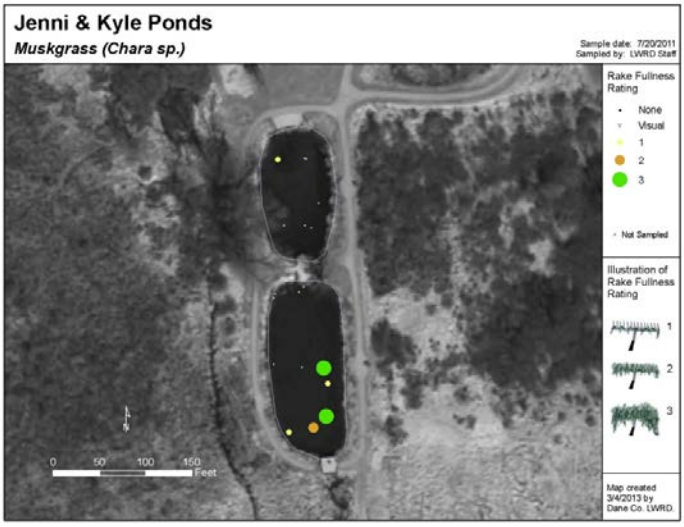
Jenni & Kyle Ponds

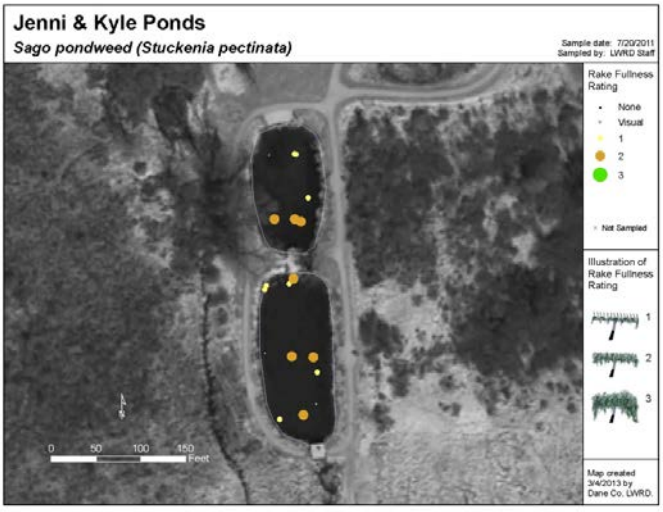


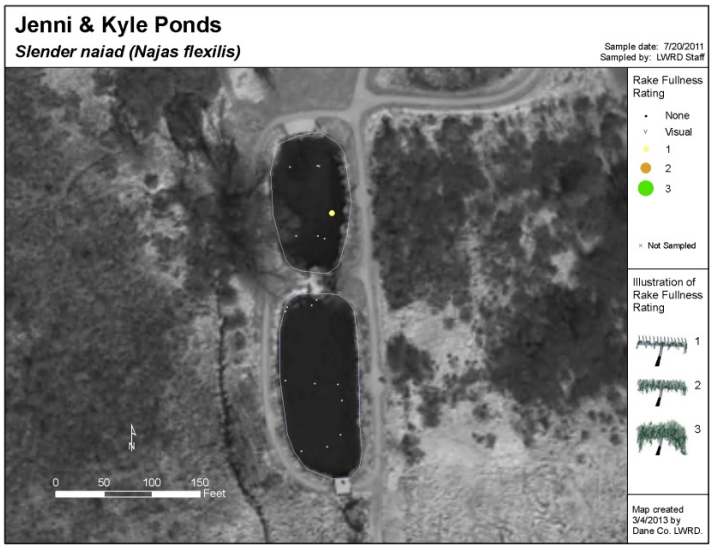


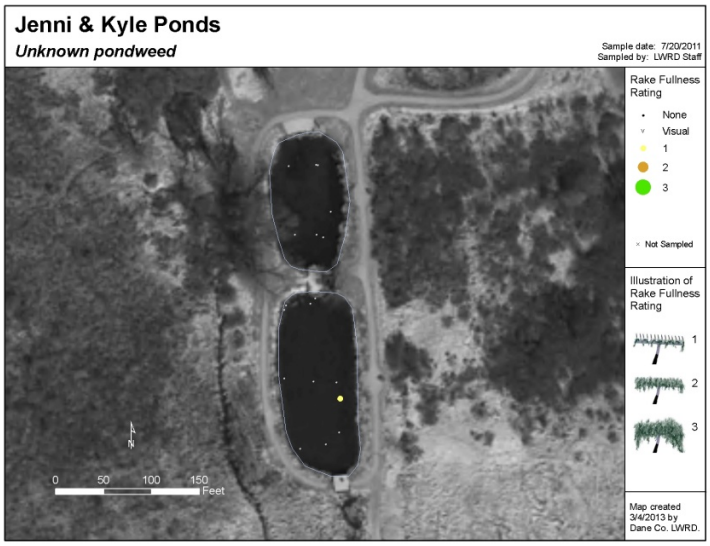




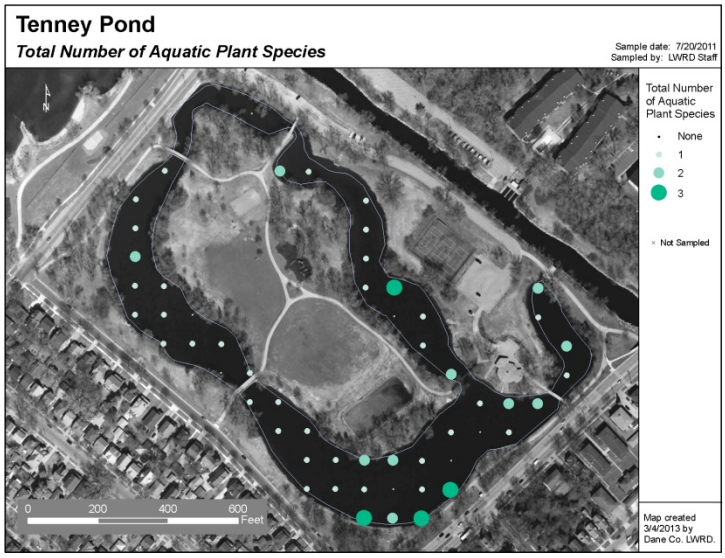


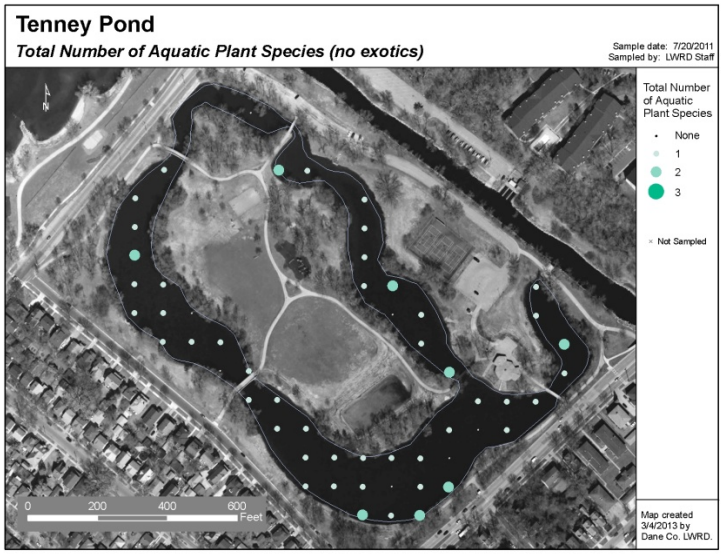



Jenni & Kyle Ponds
Slender naiad (Najas flexilis)
Sample date: 7/20/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 50 100 150 Feet
Map created 3/4/2013 by Dane Co. LWRD.

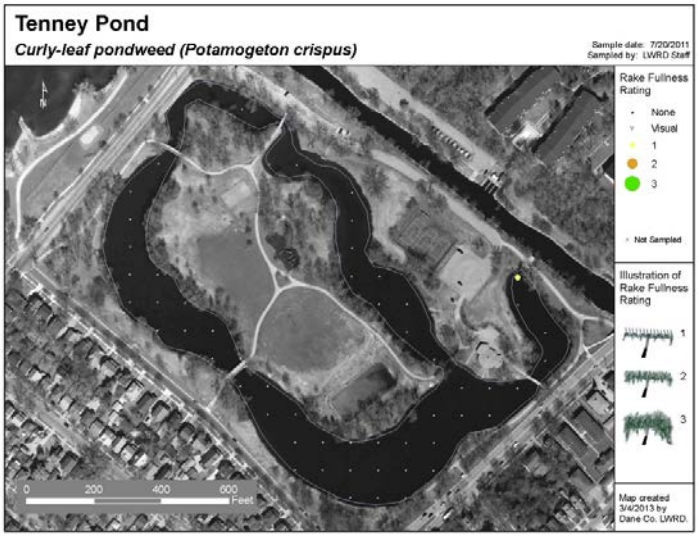

Jenni & Kyle Ponds
Unknown pondweed
Sample date: 7/20/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 50 100 150 Feet
Map created 3/4/2013 by Dane Co. LWRD.

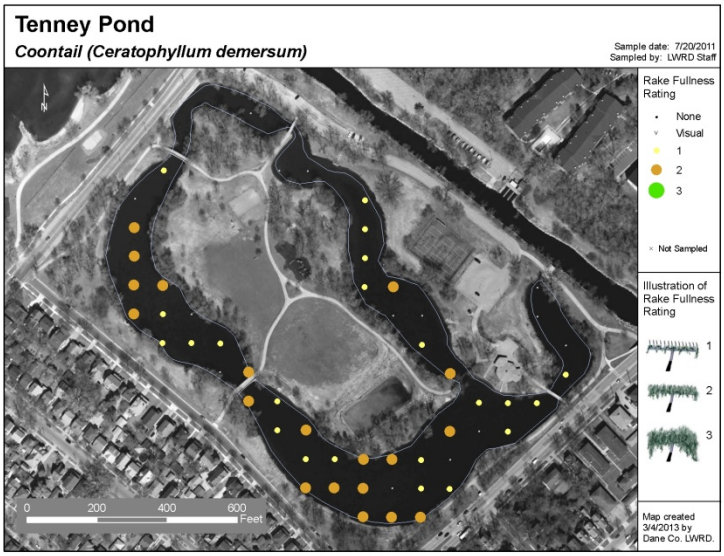
Tenney Pond

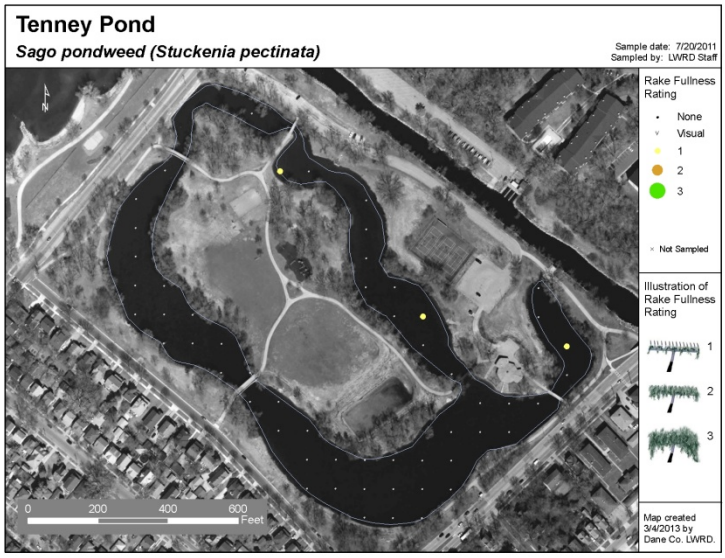

Tenney Pond
Total Number of Aquatic Plant Species
Sample date: 7/20/2011
Sampled by: LWRD Staff
Total Number of Aquatic Plant Species
None
1
2
3
Not Sampled
0 200 400 600 Feet
Map created 3/4/2013 by Dane Co. LWRD.

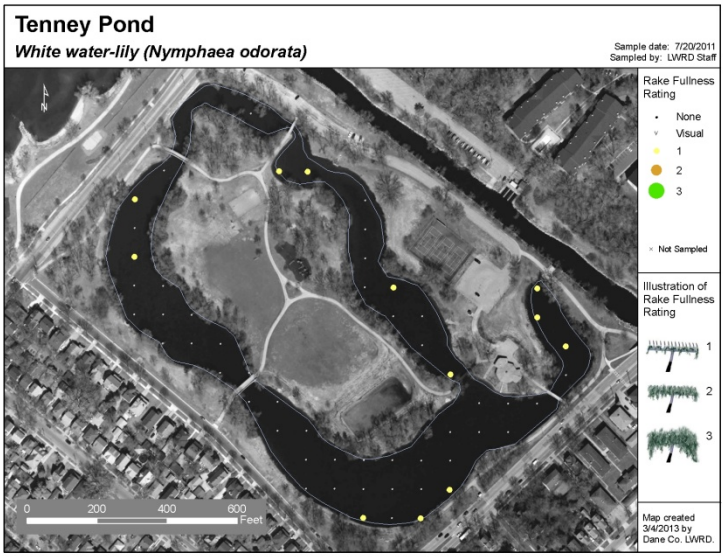

Tenney Pond
Total Number of Aquatic Plant Species (no exotics)
Sample date: 7/20/2011
Sampled by: LWRD Staff
Total Number of Aquatic Plant Species
None
1
2
3
Not Sampled
0 200 400 600 Feet
Map created 3/4/2013 by Dane Co. LWRD.


Tenney Pond
Eurasian water-milfoil (Myriophyllum spicatum)
Sample date: 7/20/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 200 400 600 Feet
Map created 3/4/2013 by Dane Co. LWRD.

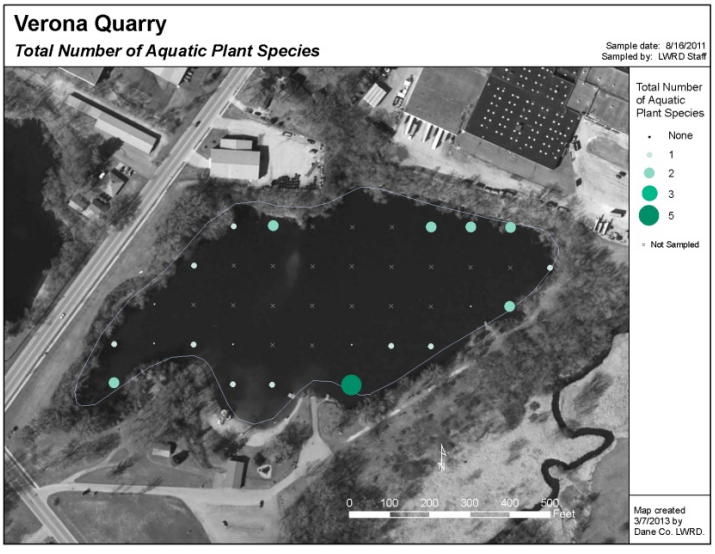

Tenney Pond
Curly-leaf pondweed (Potamogeton crispus)
Sample date: 7/20/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 200 400 600 Feet
Map created 3/4/2013 by Dane Co. LWRD.

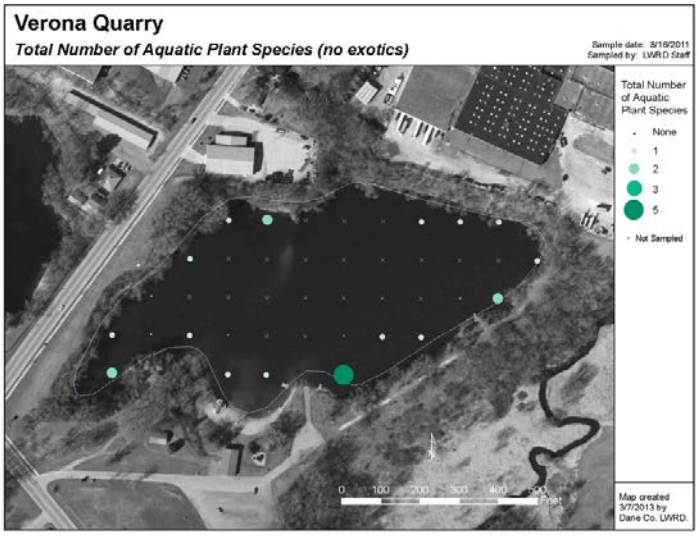


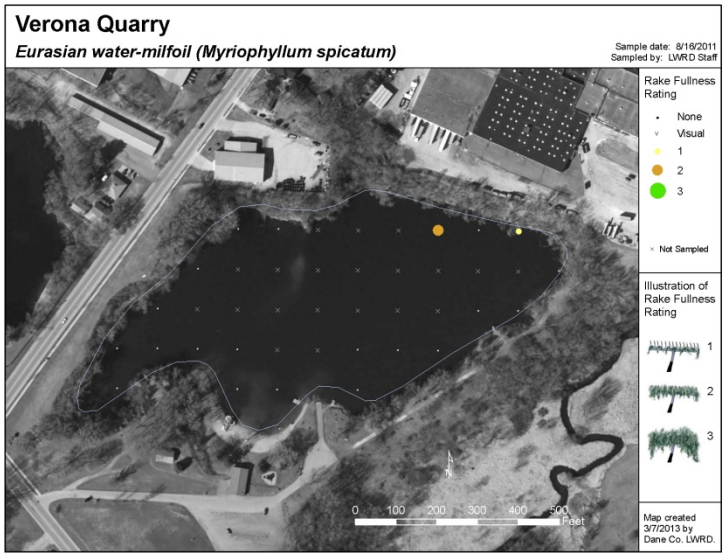


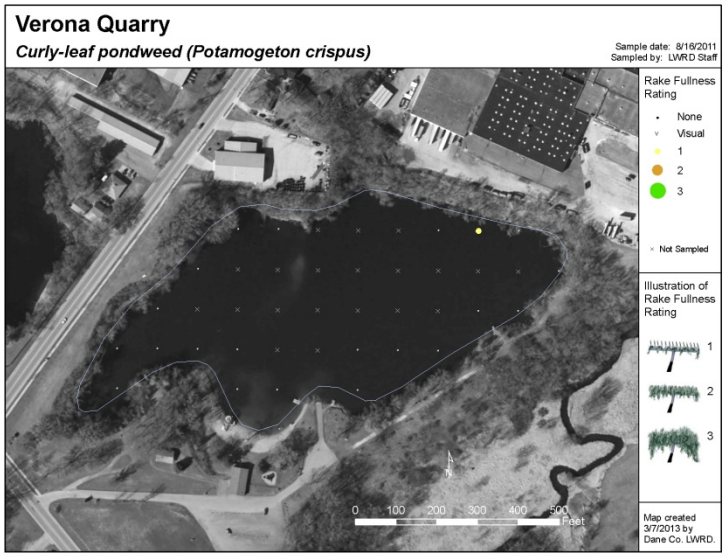


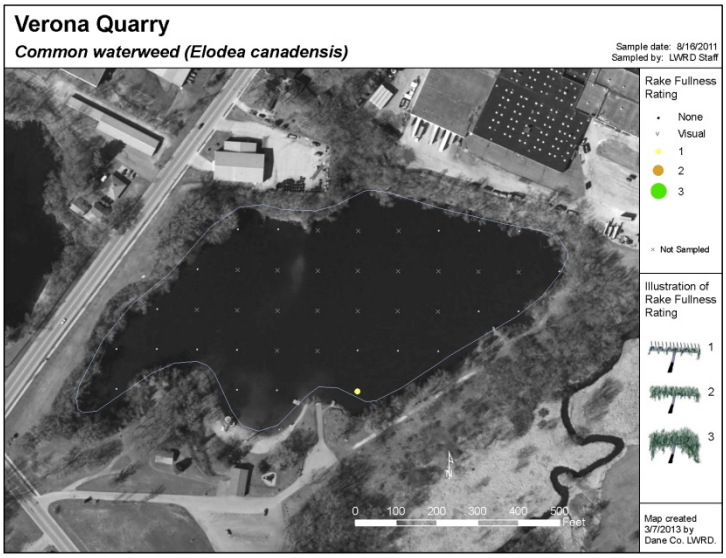
Verona Quarry

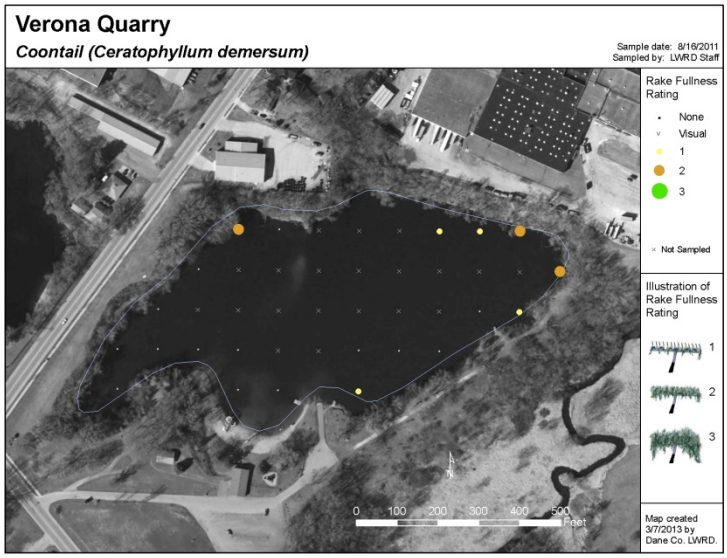


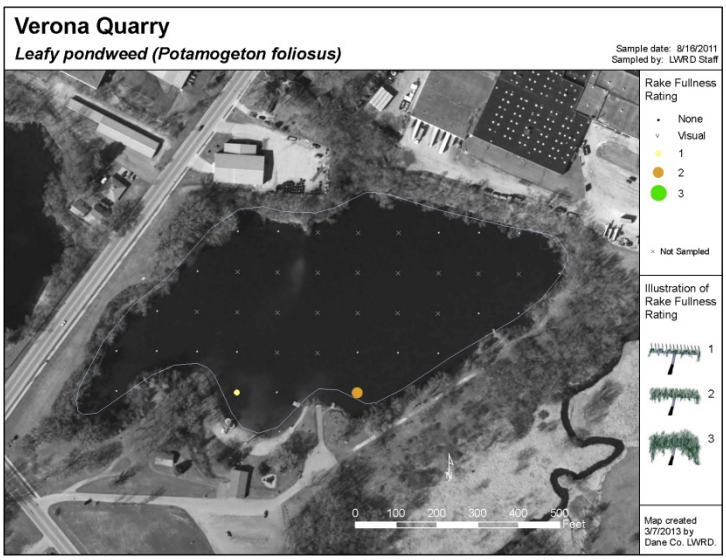


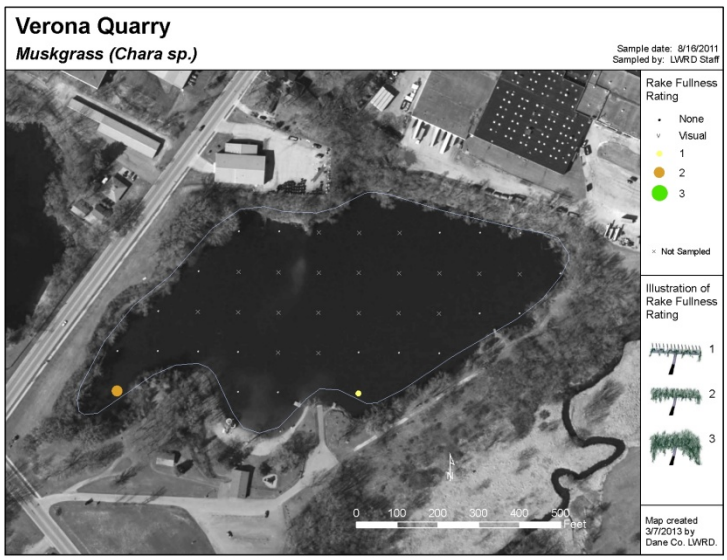

Verona Quarry
Eurasian water-milfoil (Myriophyllum spicatum)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

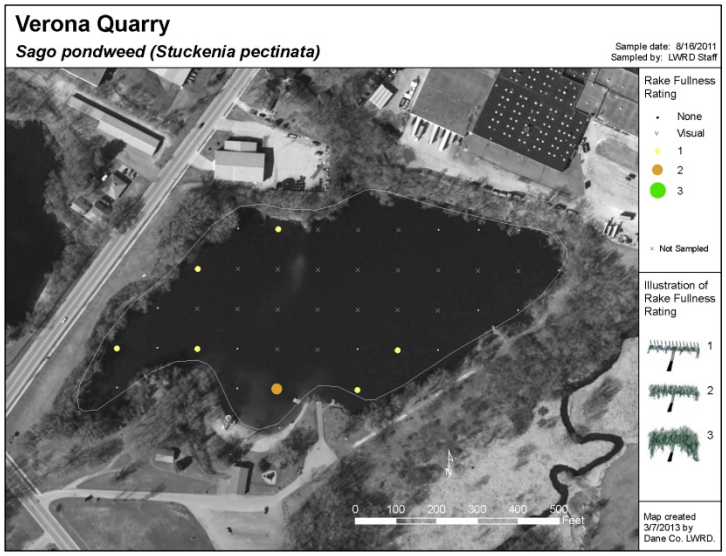

Verona Quarry
Curly-leaf pondweed (Potamogeton crispus)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

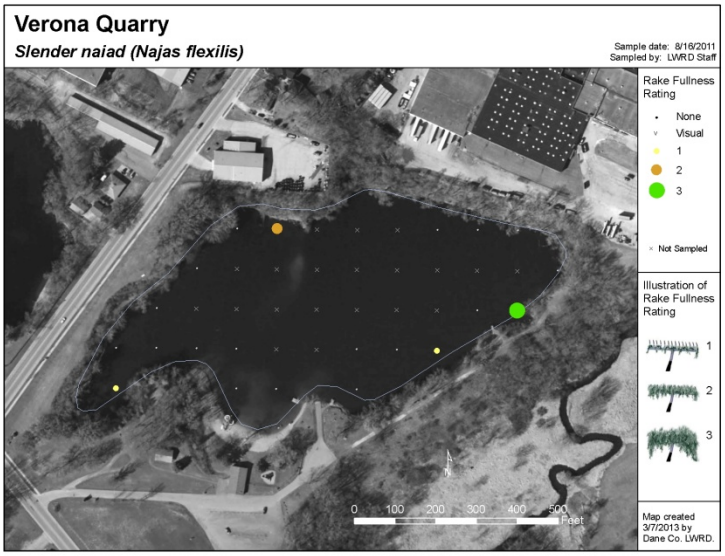

Verona Quarry
Common waterweed (Elodea canadensis)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.


Verona Quarry
Coontail (Ceratophyllum demersum)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

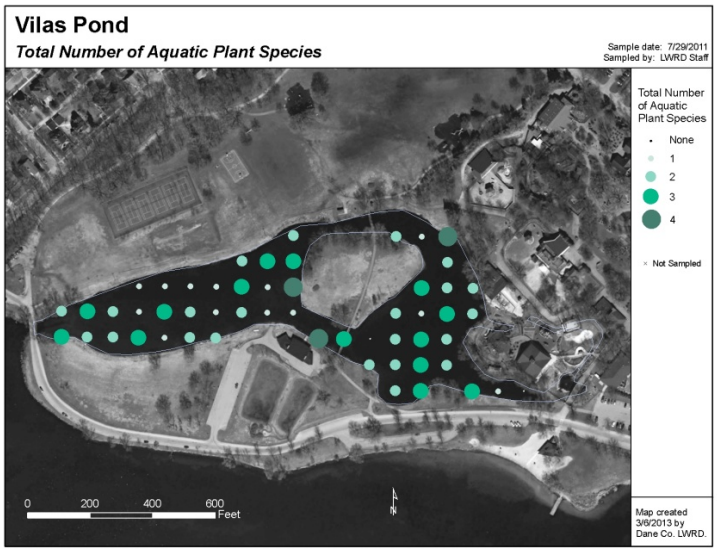

Verona Quarry
Leafy pondweed (Potamogeton foliosus)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

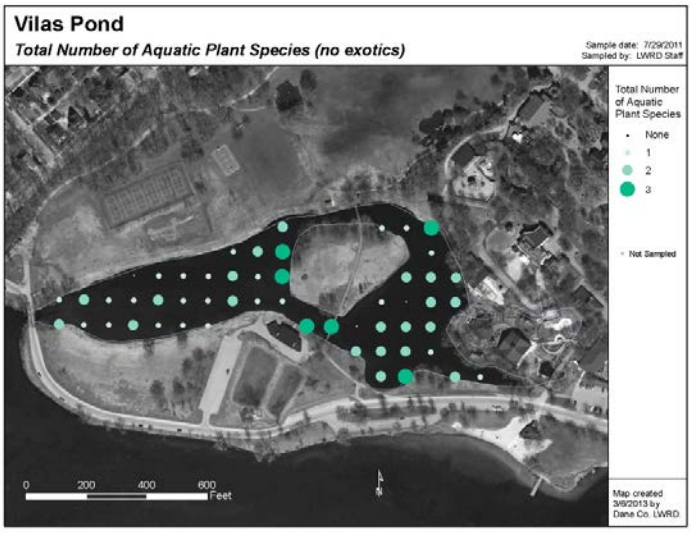

Verona Quarry
Muskgrass (Chara sp.)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

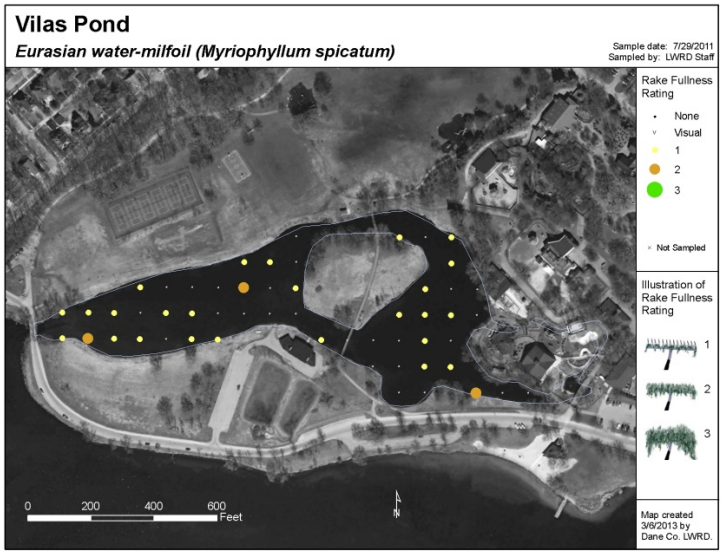

Verona Quarry
Sago pondweed (Stuckenia pectinata)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

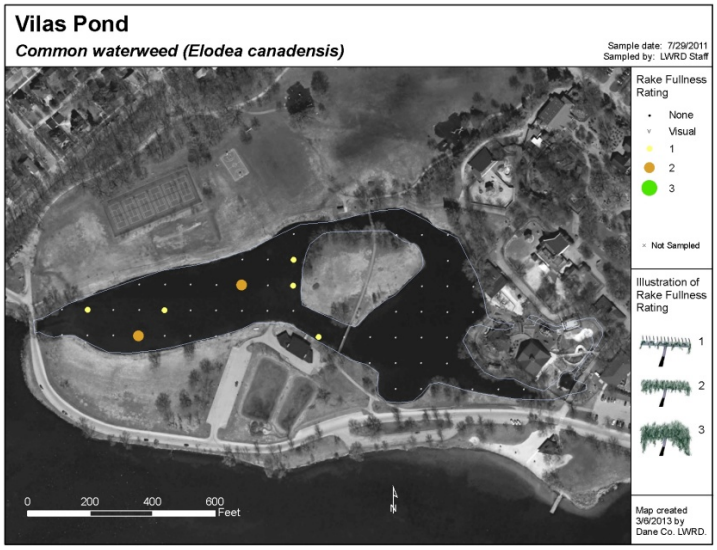

Verona Quarry
Slender naiad (Najas flexilis)
Sample date: 8/16/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 100 200 300 400 500 Feet
Map created 3/7/2013 by Dane Co. LWRD.

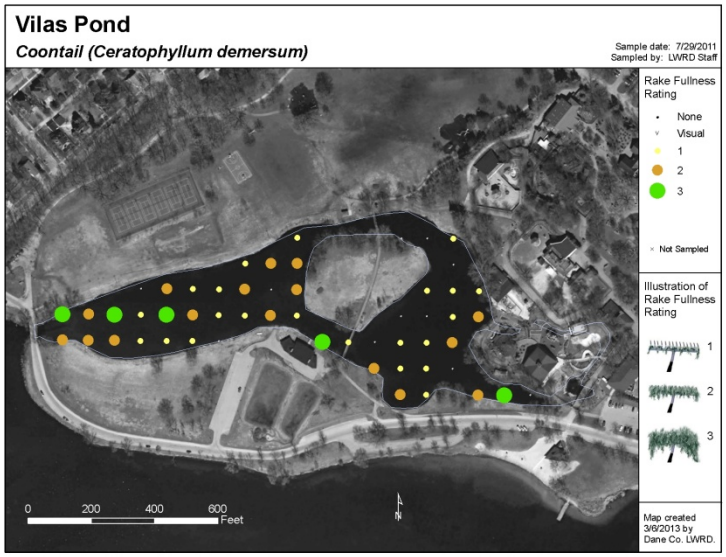
Vilas Pond

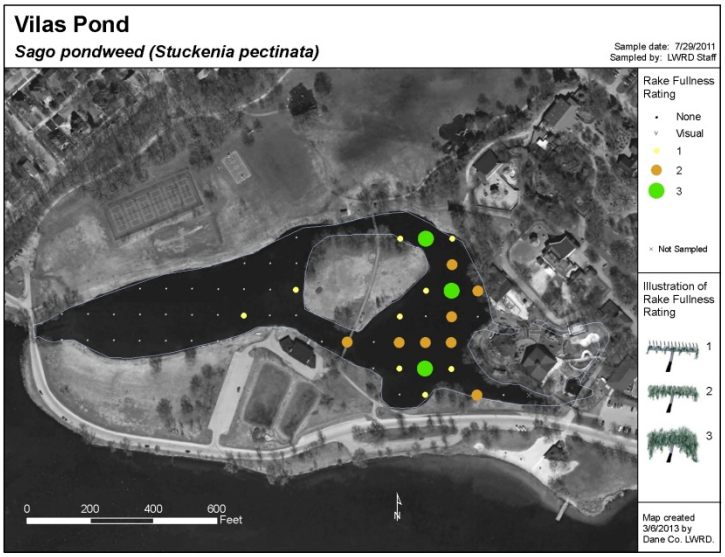

Vilas Pond
Total Number of Aquatic Plant Species
Sample date: 7/29/2011
Sampled by: LWRD Staff
Total Number of Aquatic Plant Species
None
1
2
3
4
Not Sampled
0 200 400 600 Feet
Map created 3/6/2013 by Dane Co. LWRD.

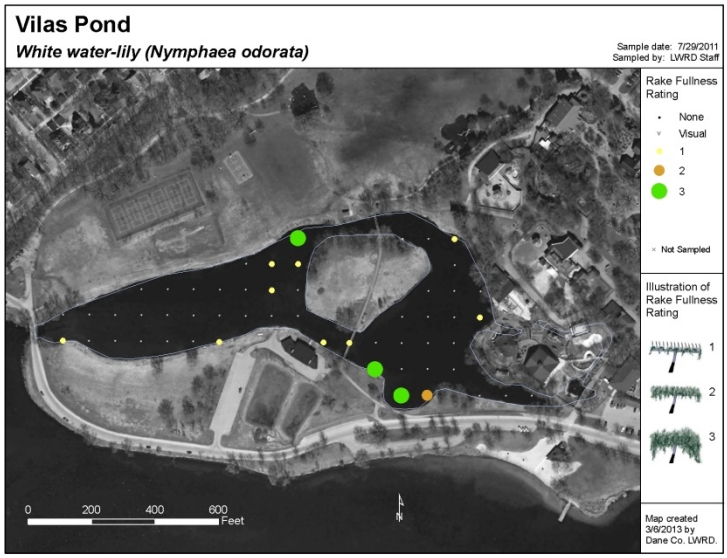

Vilas Pond
Total Number of Aquatic Plant Species (no exotics)
Sample date: 7/29/2011
Sampled by: LWRD Staff
Total Number of Aquatic Plant Species
None
1
2
3
Not Sampled
0 200 400 600 Feet
Map created 3/6/2013 by Dane Co. LWRD.

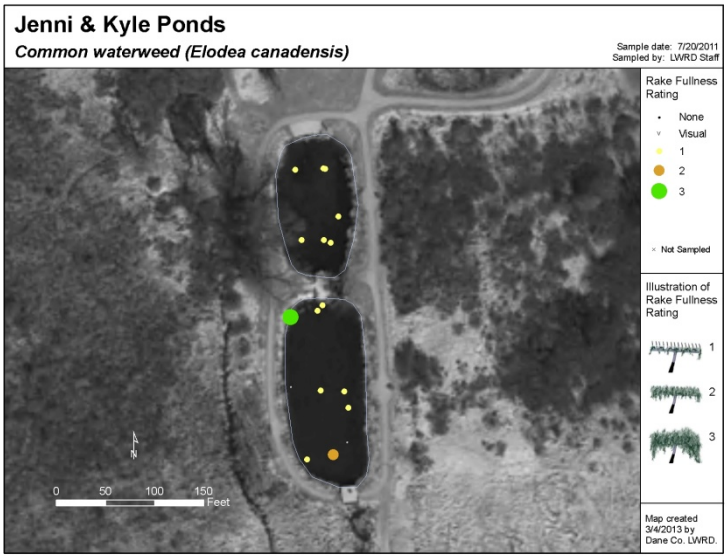

Vilas Pond
Eurasian water-milfoil (Myriophyllum spicatum)
Sample date: 7/29/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 200 400 600 Feet
Map created 3/6/2013 by Dane Co. LWRD.


Vilas Pond
Common waterweed (Elodea canadensis)
Sample date: 7/29/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 200 400 600 Feet
Map created 3/6/2013 by Dane Co. LWRD.

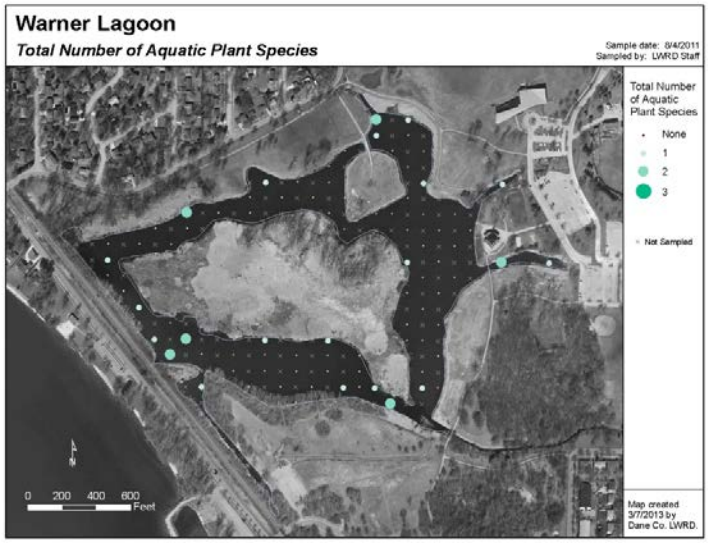


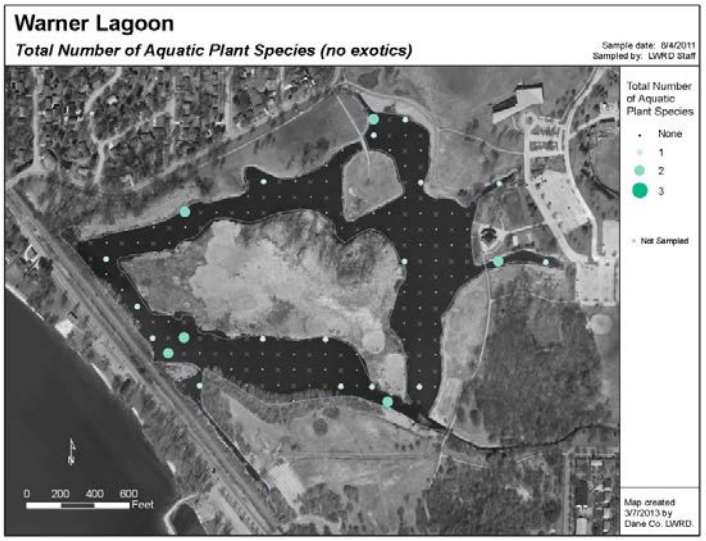


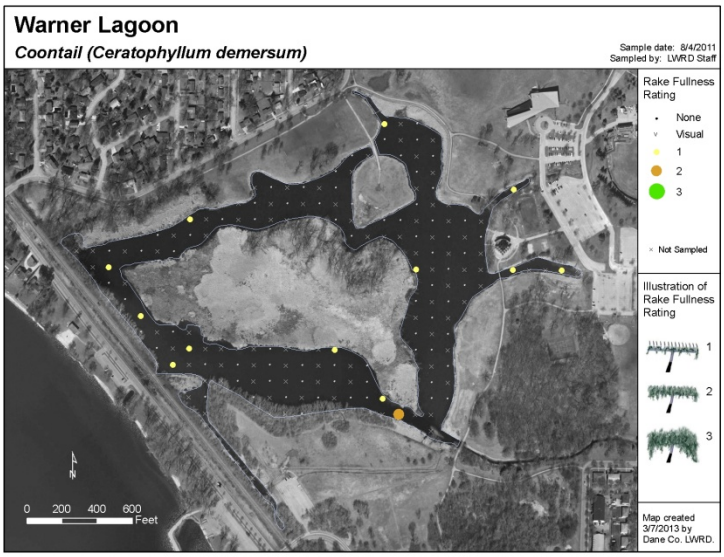


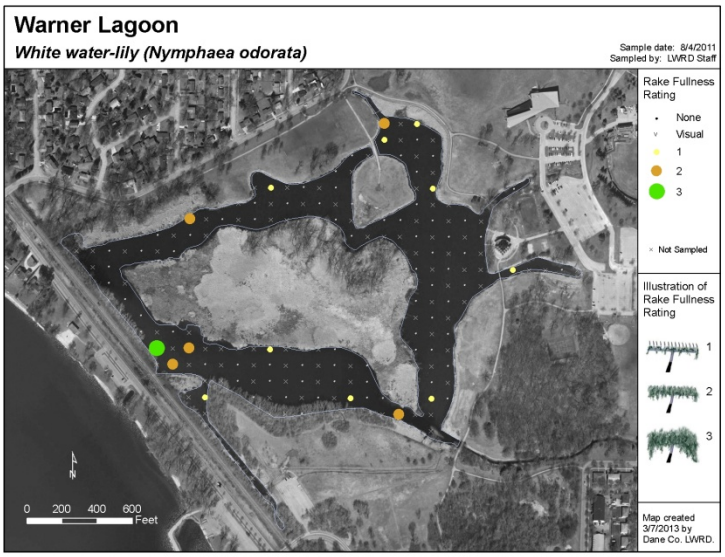


Warner Lagoon






Warner Lagoon
Coontail (Ceratophyllum demersum)
Sample date: 8/4/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 200 400 600
Feet
Map created 3/7/2013 by Dane Co. LWRD.


Warner Lagoon
White water-lily (Nymphaea odorata)
Sample date: 8/4/2011
Sampled by: LWRD Staff
Rake Fullness Rating
None
Visual
1
2
3
Not Sampled
Illustration of Rake Fullness Rating
1
2
3
0 200 400 600
Feet
Map created 3/7/2013 by Dane Co. LWRD.