

LVI Report

Sample ID: PIC-9242015

Lake Units: 1, 4, 7, 10

Secchi: 7.1 - Feet

Total Depth: 20.5 - Feet

Sample Date: 9/24/2015

Tech Team: G. Eby, T. Calhoun, J. Cordell, D. Barber, S. Pengra

Metric: Healthy

Species	C of C	1	4	7	10	Results	1	4	7	10
Acer rubrum	4.65	P	P	P	P					
Alternanthera philoxeroides	0	P								
Ammannia		P								
Andropogon		P								
Baccharis			P							
Bacopa caroliniana	4.5			P	P					
Blechnum serrulatum	5.5	P	P	P	P					
Cabomba caroliniana	5.5	P		P						
Cephalanthus occidentalis	5	P	P	P	P					
Chara	3.9		P		P					
Cladium jamaicense	8	P	P	P	P					
Colocasia esculenta	0	P			P					
Commelina diffusa	2.02	P								
Cyperus alternifolius	0	P								
Cyperus haspan	4	P								
Eleocharis baldwinii	2.82	P		P						
Eleocharis elongata	6.97	P								
Eupatorium capillifolium	0.83	P		P	P					
Fuirena scirpoidea	5.5	P	P	P	P					
Gordonia lasianthus	7	P	P		P					
Hydrilla verticillata	0	P		P	P					
Hydrocotyle	2	P		P						
Ilex cassine	6	P	P	P	P					
Leersia hexandra	5.61			P						
Liquidambar styraciflua	2.5	P	P							
Ludwigia arcuata	3.5	P								
Ludwigia leptocarpa	3			P	P					
Ludwigia octovalvis	2	P		P	P					
Ludwigia peruviana	0	P		P	P					
Ludwigia suffruticosa	6.23	P								
Magnolia virginiana	7	P	P	P	P					
Mayaca fluviatilis	8.45	D	D	D	D					
Mikania scandens	1.95	P	P	P	P					
Myrica cerifera	2	P	P	P	P					
Najas guadalupensis	5.07	P	P	P						
Nephrolepis		P								
Nitella	6	P		P	P					
Nuphar	3.5	P	P	P						

Total Number of Taxa:	53	30	42	35
% Native Taxa:	81.13%	96.67%	90.48%	80%
% Invasive Taxa:	9.43%	3.33%	7.14%	17.14%
% Sensitive Taxa:	15.09%	20%	14.29%	14.29%
Dominant C of C:	8.45	8.45	8.45	8.45
Native Score:	0.5	0.91	0.75	0.47
Invasive Score:	0.69	0.89	0.76	0.43
Sensitive Score:	0.54	0.72	0.51	0.51
Dominant CoC Score:	1.00	1.00	1.00	1.00
LVI Score:	68	88	76	60

Total LVI Score: 73

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Metric: Healthy

Species	C of C	1	4	7	10	Results	1	4	7	10
Nymphaea odorata	5	P	P	P	P					
Nymphoides aquatica	6.09	P	P	P	P					
Nyssa sylvatica biflora	7	P	P							
Osmunda regalis	7.6	P		P						
Oxycaryum cubense	0.5				P					
Panicum hemitomon	5.82	P	P	P	P					
Panicum repens	0	P	P	P	P					
Parthenocissus quinquefolia	3.43	P		P						
Pinus elliotii	4.21	P	P							
Pontederia cordata	5.38	P	P	P	P					
Rhexia cubensis	7.22			P						
Sabal palmetto	2.85	P	P	P	P					
Sagittaria lancifolia	3	P	P	P	P					
Salix caroliniana	2.95	P	P	P	P					
Salvinia minima	0	P			P					
Sapium sebiferum	0				P					
Solidago				P						
Taxodium	7	P	P	P	P					
Typha	1	P	P	P	P					
Utricularia inflata	5.85	P								
Utricularia purpurea	6.5			P						
Vallisneria americana	7	P								
Vigna luteola	2.31	P		P						
Vitis rotundifolia	1.18	P	P	P	P					
Woodwardia virginica	3.5	P	P	P	P					
Xyris				P						

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Alternanthera philoxeroides	0	P								
Ammannia		P								
Andropogon		P								
Baccharis			P							
Bacopa caroliniana	4.5			P	P					
Blechnum serrulatum	5.5	P	P	P	P					
Cabomba caroliniana	5.5	P		P						
Cephalanthus occidentalis	5	P	P	P	P					
Chara	3.9		P		P					
Cladium jamaicense	8	P	P	P	P					
Colocasia esculenta	0	P			P					
Commelina diffusa	2.02	P								
Cyperus alternifolius	0	P								
Cyperus haspan	4	P								
Eleocharis baldwinii	2.82	P		P						
Eleocharis elongata	6.97	P								
Eupatorium capillifolium	0.83	P		P	P					
Fuirena scirpoidea	5.5	P	P	P	P					
Gordonia lasianthus	7	P	P		P					
Hydrilla verticillata	0	P		P	P					
Hydrocotyle	2	P		P						
Ilex cassine	6	P	P	P	P					
Leersia hexandra	5.61			P						
Liquidambar styraciflua	2.5	P	P							
Ludwigia arcuata	3.5	P								
Ludwigia leptocarpa	3			P	P					
Ludwigia octovalvis	2	P		P	P					
Ludwigia peruviana	0	P		P	P					
Ludwigia suffruticosa	6.23	P								
Magnolia virginiana	7	P	P	P	P					
Mayaca fluviatilis	8.45	D	D	D	D					
Mikania scandens	1.95	P	P	P	P					
Myrica cerifera	2	P	P	P	P					
Najas guadalupensis	5.07	P	P	P						
Nephrolepis		P								
Nitella	6	P		P	P					
Nuphar	3.5	P	P	P						

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Nymphoides aquatica	6.09	P	P	P	P					
Nyssa sylvatica biflora	7	P	P							
Osmunda regalis	7.6	P		P						
Oxycaryum cubense	0.5				P					
Panicum hemitomon	5.82	P	P	P	P					
Panicum repens	0	P	P	P	P					
Parthenocissus quinquefolia	3.43	P		P						
Pinus elliotii	4.21	P	P							
Pontederia cordata	5.38	P	P	P	P					
Rhexia cubensis	7.22			P						
Sabal palmetto	2.85	P	P	P	P					
Sagittaria lancifolia	3	P	P	P	P					
Salix caroliniana	2.95	P	P	P	P					
Salvinia minima	0	P			P					
Sapium sebiferum	0				P					
Solidago				P						
Taxodium	7	P	P	P	P					
Typha	1	P	P	P	P					
Utricularia inflata	5.85	P								
Utricularia purpurea	6.5			P						
Vallisneria americana	7	P								
Vigna luteola	2.31	P		P						
Vitis rotundifolia	1.18	P	P	P	P					
Woodwardia virginica	3.5	P	P	P	P					
Xyris				P						

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Alternanthera philoxeroides	0	P								
Ammannia		P								
Andropogon		P								
Baccharis			P							
Bacopa caroliniana	4.5			P	P					
Blechnum serrulatum	5.5	P	P	P	P					
Cabomba caroliniana	5.5	P		P						
Cephalanthus occidentalis	5	P	P	P	P					
Chara	3.9		P		P					
Cladium jamaicense	8	P	P	P	P					
Colocasia esculenta	0	P			P					
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Eupatorium capillifolium	0.83	P		P	P					
Fuirena scirpoidea	5.5	P	P	P	P					
Gordonia lasianthus	7	P	P		P					
Hydrilla verticillata	0	P		P	P					
Hydrocotyle	2	P		P						
Ilex cassine	6	P	P	P	P					
Leersia hexandra	5.61			P						
Liquidambar styraciflua	2.5	P	P							
Ludwigia arcuata	3.5	P								
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Ludwigia octovalvis	2	P		P	P					
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Hydrilla verticillata	0	P		P	P					
Hydrocotyle	2	P		P						
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Salvinia minima	0	P			P					
Sapium sebiferum	0				P					
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Xyris				P						