

# Bryant / Marion

Aquatic plant data collected on August 5, 1993

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	0.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	28.2
Average lake depth (m)	2.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
spatterdock	<i>Nuphar luteum</i>	90
willow	<i>Salix spp.</i>	90
sawgrass	<i>Cladium jamaicense</i>	80
wax myrtle	<i>Myrica cerifera</i>	80
water primrose	<i>Ludwigia spp.</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
salt-bush	<i>Baccharis spp.</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	40
elderberry	<i>Sambucus canadensis</i>	40
pickerelweed	<i>Pontederia cordata</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
yellow-eyed grass	<i>Xyris spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
barnyard grass*	<i>Echinochloa crusgalli</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
Egyptian paspalidium	<i>Paspalidium germinatum</i>	10
common arrowhead	<i>Sagittaria latifolia</i>	10
common salvinia	<i>Salvinia minima</i>	10
cat-tail	<i>Typha spp.</i>	10

# Bryant / Marion

Aquatic plant data collected on July 19, 1994

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	1.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	45.6
Average lake depth (m)	2.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
sawgrass	<i>Cladium jamaicense</i>	70
wax myrtle	<i>Myrica cerifera</i>	70
spatterdock	<i>Nuphar luteum</i>	70
water primrose	<i>Ludwigia spp.</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
salt-bush	<i>Baccharis spp.</i>	40
red ludwigia	<i>Ludwigia repens</i>	40
willow	<i>Salix spp.</i>	40
elderberry	<i>Sambucus canadensis</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	30
banana-lily	<i>Nymphoides aquatica</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
musk-grass	<i>Chara spp.</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10

# Charles / Marion

Aquatic plant data collected on June 16, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	140.7
Average lake depth (m)	1.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
bald cypress	<i>Taxodium distichum</i>	100
spatterdock	<i>Nuphar luteum</i>	90
spider-lily	<i>Hymenocallis spp.</i>	60
sawgrass	<i>Cladium jamaicense</i>	50
buttonbush	<i>Cephalanthus occidentalis</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
water primrose	<i>Ludwigia spp.</i>	20
willow	<i>Salix spp.</i>	20
water hemlock	<i>Cicuta mexicana</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
lizard's-tail	<i>Saururus cernuus</i>	10

# Charles / Marion

Aquatic plant data collected on June 2, 1998

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	2.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	106.5
Average lake depth (m)	1.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	100
maidencane	<i>Panicum hemitomon</i>	90
spatterdock	<i>Nuphar luteum</i>	80
wax myrtle	<i>Myrica cerifera</i>	70
spider-lily	<i>Hymenocallis spp.</i>	60
Egyptian paspalidium	<i>Paspalidium germinatum</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
sawgrass	<i>Cladium jamaicense</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
red maple	<i>Acer rubrum</i>	20
salt-bush	<i>Baccharis spp.</i>	10
soft rush	<i>Juncus effusus</i>	10
elderberry	<i>Sambucus canadensis</i>	10
cat-tail	<i>Typha spp.</i>	10

# Deerback / Marion

Aquatic plant data collected on May 7, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average width of emergent and floating-leaved zone (ft.)	33.0
Average lake depth (m)	2.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
slender spikerush	<i>Eleocharis baldwinii</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	90
banana-lily	<i>Nymphoides aquatica</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
pipewort	<i>Eriocaulon spp.</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	80
maidencane	<i>Panicum hemitomon</i>	80
Florida bladderwort	<i>Utricularia floridana</i>	80
St. John's wort	<i>Hypericum spp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	40
spatterdock	<i>Nuphar luteum</i>	40
bog-moss	<i>Mayaca fluviatilis</i>	30
cat-tail	<i>Typha spp.</i>	20
purple bladderwort	<i>Utricularia purpurea</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Deerback / Marion

Aquatic plant data collected on May 24, 2000

Percent area covered with aquatic vegetation (PAC, %)	34.0
Percent of lake's volume filled with vegetation (PVI, %)	2.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average width of emergent and floating-leaved zone (ft.)	368.5
Average lake depth (m)	3.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
fragrant water-lily	<i>Nymphaea odorata</i>	100
maidencane	<i>Panicum hemitomon</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
Florida bladderwort	<i>Utricularia floridana</i>	90
purple bladderwort	<i>Utricularia purpurea</i>	90
buttonbush	<i>Cephalanthus occidentalis</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	80
wax myrtle	<i>Myrica cerifera</i>	70
water-shield	<i>Brasenia schreberi</i>	60
bald cypress	<i>Taxodium distichum</i>	60
banana-lily	<i>Nymphoides aquatica</i>	50
St. John's wort	<i>Hypericum spp.</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	30
torpedograss*	<i>Panicum repens</i>	30
bog-moss	<i>Mayaca fluviatilis</i>	20
green algae	<i>Chlorphyta</i>	10
sawgrass	<i>Cladium jamaicense</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
water primrose	<i>Ludwigia spp.</i>	10
sweetbay	<i>Magnolia virginiana</i>	10
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	10
spatterdock	<i>Nuphar luteum</i>	10
swamp bay	<i>Persea palustris</i>	10
elderberry	<i>Sambucus canadensis</i>	10
cat-tail	<i>Typha spp.</i>	10

# Eaton / Marion

Aquatic plant data collected on June 16, 1992

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	5.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	8.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.8
Average width of emergent and floating-leaved zone (ft.)	1443.7
Average lake depth (m)	1.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
coontail	<i>Ceratophyllum demersum</i>	100
hydrilla*	<i>Hydrilla verticillata</i>	100
spatterdock	<i>Nuphar luteum</i>	100
common duckweed	<i>Lemna minor</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	70
frog's-bit	<i>Limnobium spongia</i>	70
pickerelweed	<i>Pontederia cordata</i>	70
cat-tail	<i>Typha spp.</i>	70
buttonbush	<i>Cephalanthus occidentalis</i>	60
bald cypress	<i>Taxodium distichum</i>	60
water-lettuce*	<i>Pistia stratiotes</i>	50
floating water-hyacinth*	<i>Eichhornia crassipes</i>	40
azolla	<i>Azolla caroliniana</i>	30
bladderwort	<i>Utricularia foliosa</i>	30
cone-spur bladderwort	<i>Utricularia gibba</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
water hemlock	<i>Cicuta mexicana</i>	20
sawgrass	<i>Cladium jamaicense</i>	20
southern naiad	<i>Najas guadalupensis</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
torpedograss*	<i>Panicum repens</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
willow	<i>Salix spp.</i>	10
common salvinia	<i>Salvinia minima</i>	10

# Eaton / Marion

Aquatic plant data collected on June 16, 1994

Percent area covered with aquatic vegetation (PAC, %)	74.0
Percent of lake's volume filled with vegetation (PVI, %)	56.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	13.4
Average width of emergent and floating-leaved zone (ft.)	312.9
Average lake depth (m)	1.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
coontail	<i>Ceratophyllum demersum</i>	100
hydrilla*	<i>Hydrilla verticillata</i>	100
pickerelweed	<i>Pontederia cordata</i>	90
cat-tail	<i>Typha spp.</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	70
spatterdock	<i>Nuphar luteum</i>	70
floating water-hyacinth*	<i>Eichhornia crassipes</i>	60
frog's-bit	<i>Limnobium spongia</i>	60
wax myrtle	<i>Myrica cerifera</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
sawgrass	<i>Cladium jamaicense</i>	40
water-lettuce*	<i>Pistia stratiotes</i>	40
willow	<i>Salix spp.</i>	40
cone-spur bladderwort	<i>Utricularia gibba</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
musk-grass	<i>Chara spp.</i>	30
water hemlock	<i>Cicuta mexicana</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	20
common salvinia	<i>Salvinia minima</i>	20
bald cypress	<i>Taxodium distichum</i>	20
purple fanwort	<i>Cabomba pulcherrima</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
torpedograss*	<i>Panicum repens</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Eaton / Marion

Aquatic plant data collected on June 2, 1998

Percent area covered with aquatic vegetation (PAC, %)	74.0
Percent of lake's volume filled with vegetation (PVI, %)	62.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	5.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.2
Average width of emergent and floating-leaved zone (ft.)	324.0
Average lake depth (m)	1.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
spatterdock	<i>Nuphar luteum</i>	100
buttonbush	<i>Cephalanthus occidentalis</i>	90
coontail	<i>Ceratophyllum demersum</i>	90
hydrilla*	<i>Hydrilla verticillata</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
wax myrtle	<i>Myrica cerifera</i>	70
cat-tail	<i>Typha spp.</i>	70
azolla	<i>Azolla caroliniana</i>	40
torpedograss*	<i>Panicum repens</i>	40
water-lettuce*	<i>Pistia stratiotes</i>	40
willow	<i>Salix spp.</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	30
fragrant water-lily	<i>Nymphaea odorata</i>	30
bald cypress	<i>Taxodium distichum</i>	30
red maple	<i>Acer rubrum</i>	20
frog's-bit	<i>Limnobium spongia</i>	20
common salvinia	<i>Salvinia minima</i>	20
elderberry	<i>Sambucus canadensis</i>	20
giant duckweed	<i>Spirodela polyrhiza</i>	20
cone-spur bladderwort	<i>Utricularia gibba</i>	20
water hemlock	<i>Cicuta mexicana</i>	10
yellow water-lily	<i>Nymphaea mexicana</i>	10
Egyptian paspalidium	<i>Paspalidium geminatum</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Halfmoon / Marion

Aquatic plant data collected on June 16, 1992

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	2.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	39.8
Average lake depth (m)	3.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
spatterdock	<i>Nuphar luteum</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	60
sawgrass	<i>Cladium jamaicense</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	20
water hemlock	<i>Cicuta mexicana</i>	20
willow	<i>Salix spp.</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	10
torpedograss*	<i>Panicum repens</i>	10

# Halfmoon / Marion

Aquatic plant data collected on May 13, 1999

Percent area covered with aquatic vegetation (PAC, %)	5.9
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	8.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	6.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average width of emergent and floating-leaved zone (ft.)	303.3
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
buttonbush	<i>Cephalanthus occidentalis</i>	100
spatterdock	<i>Nuphar luteum</i>	100
maidencane	<i>Panicum hemitomon</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
duck-potato	<i>Sagittaria lancifolia</i>	100
sawgrass	<i>Cladium jamaicense</i>	90
willow	<i>Salix spp.</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	40
elderberry	<i>Sambucus canadensis</i>	40
red maple	<i>Acer rubrum</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	30
banana-lily	<i>Nymphaoides aquatica</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
swamp rosemallow	<i>Hibiscus grandiflorus</i>	10
sweetbay	<i>Magnolia virginiana</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10

# Island / Marion

Aquatic plant data collected on May 7, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	21.0
Average lake depth (m)	3.1

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water-pennywort	<i>Hydrocotyle umbellata</i>	73
pickerelweed	<i>Pontederia cordata</i>	73
maidencane	<i>Panicum hemitomon</i>	67
rush fiuirena	<i>Fuirena scirpoidea</i>	53
red ludwigia	<i>Ludwigia repens</i>	53
spatterdock	<i>Nuphar luteum</i>	53
sawgrass	<i>Cladium jamaicense</i>	47
lemon bacopa	<i>Bacopa caroliniana</i>	33
St. John's wort	<i>Hypericum spp.</i>	33
fragrant water-lily	<i>Nymphaea odorata</i>	33
torpedograss*	<i>Panicum repens</i>	33
water-shield	<i>Brasenia schreberi</i>	27
smartweed	<i>Polygonum hydropiperoides</i>	27
buttonbush	<i>Cephalanthus occidentalis</i>	20
pipewort	<i>Eriocaulon spp.</i>	20
bog-moss	<i>Mayaca fluviatilis</i>	20
para grass*	<i>Urochloa mutica</i>	20
tapertip rush	<i>Juncus acuminatus</i>	13
red root	<i>Lachnanthes caroliniana</i>	13
water primrose	<i>Ludwigia spp.</i>	13
cat-tail	<i>Typha spp.</i>	13
slender spikerush	<i>Eleocharis baldwinii</i>	7
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	7
banana-lily	<i>Nymphoides aquatica</i>	7
dwarf arrowhead	<i>Sagittaria subulata</i>	7
willow	<i>Salix spp.</i>	7

# Joes / Marion

Aquatic plant data collected on July 21, 1998

Percent area covered with aquatic vegetation (PAC, %)	22.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	43.2
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bacopa	<i>Bacopa monnieri</i>	100
rush fuirena	<i>Fuirena scirpoidea</i>	100
maidencane	<i>Panicum hemitomon</i>	100
fragrant water-lily	<i>Nymphaea odorata</i>	90
red root	<i>Lachnanthes caroliniana</i>	80
wax myrtle	<i>Myrica cerifera</i>	70
Florida bladderwort	<i>Utricularia floridana</i>	70
respuinata bladderwort	<i>Utricularia resupinata</i>	70
buttonbush	<i>Cephalanthus occidentalis</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	40
water primrose	<i>Ludwigia spp.</i>	40
red maple	<i>Acer rubrum</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
St. John's wort	<i>Hypericum spp.</i>	30
red ludwigia	<i>Ludwigia repens</i>	30
spatterdock	<i>Nuphar luteum</i>	30
water-shield	<i>Brasenia schreberi</i>	20
willow	<i>Salix spp.</i>	20
cat-tail	<i>Typha spp.</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
stonewort	<i>Nitella spp.</i>	10
water tupelo	<i>Nyssa aquatica</i>	10
torpedograss*	<i>Panicum repens</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Kerr / Marion

Aquatic plant data collected on August 3, 1994

Percent area covered with aquatic vegetation (PAC, %)	12.0
Percent of lake's volume filled with vegetation (PVI, %)	2.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	36.6
Average lake depth (m)	2.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
wax myrtle	<i>Myrica cerifera</i>	100
giant bulrush	<i>Scirpus californicus</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	90
lemon bacopa	<i>Bacopa caroliniana</i>	80
tapegrass	<i>Vallisneria americana</i>	60
red root	<i>Lachnanthes caroliniana</i>	50
torpedograss*	<i>Panicum repens</i>	50
cat-tail	<i>Typha spp.</i>	50
yellow-eyed grass	<i>Xyris spp.</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	40
spatterdock	<i>Nuphar luteum</i>	40
maidencane	<i>Panicum hemitomon</i>	40
willow	<i>Salix spp.</i>	40
salt-bush	<i>Baccharis spp.</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	30
water primrose	<i>Ludwigia spp.</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
banana-lily	<i>Nymphoides aquatica</i>	20
common salvinia	<i>Salvinia minima</i>	20
Baldwin flatsedge	<i>Cyperus globulosus</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10

# Little Weir / Marion

Aquatic plant data collected on May 19, 1992

Percent area covered with aquatic vegetation (PAC, %)	70.0
Percent of lake's volume filled with vegetation (PVI, %)	6.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average width of emergent and floating-leaved zone (ft.)	70.7
Average lake depth (m)	3.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	70
bladderwort	<i>Utricularia foliosa</i>	70
lemon bacopa	<i>Bacopa caroliniana</i>	60
maidencane	<i>Panicum hemitomon</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
banana-lily	<i>Nymphoides aquatica</i>	50
Florida bladderwort	<i>Utricularia floridana</i>	40
smartweed	<i>Polygonum hydropiperoides</i>	30
cat-tail	<i>Typha spp.</i>	30
sawgrass	<i>Cladium jamaicense</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
bog-moss	<i>Mayaca fluviatilis</i>	20
spatterdock	<i>Nuphar luteum</i>	20
torpedograss*	<i>Panicum repens</i>	20
variableleaf pondweed	<i>Potamogeton diversifolius</i>	20
willow	<i>Salix spp.</i>	20
respuinata bladderwort	<i>Utricularia resupinata</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
water spikerush	<i>Eleocharis elongata</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10

# Little Weir / Marion

Aquatic plant data collected on July 14, 1998

Percent area covered with aquatic vegetation (PAC, %)	22.0
Percent of lake's volume filled with vegetation (PVI, %)	2.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average width of emergent and floating-leaved zone (ft.)	77.5
Average lake depth (m)	3.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	80
banana-lily	<i>Nymphoides aquatica</i>	80
Florida bladderwort	<i>Utricularia floridana</i>	80
wax myrtle	<i>Myrica cerifera</i>	70
sawgrass	<i>Cladium jamaicense</i>	60
red root	<i>Lachnanthes caroliniana</i>	60
maidencane	<i>Panicum hemitomon</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
lemon bacopa	<i>Bacopa caroliniana</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	50
stonewort	<i>Nitella spp.</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
respuinata bladderwort	<i>Utricularia resupinata</i>	50
bladderwort	<i>Utricularia foliosa</i>	30
salt-bush	<i>Baccharis spp.</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
water primrose	<i>Ludwigia spp.</i>	20
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	20
spatterdock	<i>Nuphar luteum</i>	20
cat-tail	<i>Typha spp.</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
forked rush	<i>Juncus dichotomus</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
torpedograss*	<i>Panicum repens</i>	10
Egyptian paspalidium	<i>Paspalidium geminatum</i>	10
willow	<i>Salix spp.</i>	10
elderberry	<i>Sambucus canadensis</i>	10
bald cypress	<i>Taxodium distichum</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Mary / Marion

Aquatic plant data collected on August 5, 1993

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	2.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	4.5
Average lake depth (m)	2.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
slender spikerush	<i>Eleocharis baldwinii</i>	90
maidencane	<i>Panicum hemitomon</i>	80
red root	<i>Lachnanthes caroliniana</i>	70
bog-moss	<i>Mayaca fluviatilis</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	60
St. John's wort	<i>Hypericum spp.</i>	60
spatterdock	<i>Nuphar luteum</i>	30
yellow-eyed grass	<i>Xyris spp.</i>	30
green algae	<i>Chlorphyta</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
southern cutgrass	<i>Leersia hexandra</i>	20
sawgrass	<i>Cladium jamaicense</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
Tracy's beaksedge	<i>Rhynchospora tracyi</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
Florida bladderwort	<i>Utricularia floridana</i>	10

# Mill Dam / Marion

Aquatic plant data collected on May 23, 1991

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	9.7
Average lake depth (m)	3.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	90
spatterdock	<i>Nuphar luteum</i>	60
banana-lily	<i>Nymphaoides aquatica</i>	40
pickerelweed	<i>Pontederia cordata</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	10

# Mill Dam / Marion

Aquatic plant data collected on June 30, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	155.5
Average lake depth (m)	3.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	60
spatterdock	<i>Nuphar luteum</i>	60
buttonbush	<i>Cephalanthus occidentalis</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	30
St. John's wort	<i>Hypericum spp.</i>	30
red ludwigia	<i>Ludwigia repens</i>	30
sawgrass	<i>Cladium jamaicense</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
pickerelweed	<i>Pontederia cordata</i>	10

# Mill Dam / Marion

Aquatic plant data collected on May 24, 1994

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	52.1
Average lake depth (m)	3.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water-pennywort	<i>Hydrocotyle umbellata</i>	80
salt-bush	<i>Baccharis spp.</i>	70
spatterdock	<i>Nuphar luteum</i>	60
rush fiirena	<i>Fuirena scirpoidea</i>	50
maidencane	<i>Panicum hemitomon</i>	50
haspan flatsedge	<i>Cyperus haspan</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	40
respuinata bladderwort	<i>Utricularia resupinata</i>	40
yellow-eyed grass	<i>Xyris spp.</i>	40
pickerelweed	<i>Pontederia cordata</i>	30
St. John's wort	<i>Hypericum spp.</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10
sawgrass	<i>Cladium jamaicense</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
water primrose	<i>Ludwigia spp.</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
torpedograss*	<i>Panicum repens</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
elderberry	<i>Sambucus canadensis</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Mill Dam / Marion

Aquatic plant data collected on May 12, 1999

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	1.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	8.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	162.7
Average lake depth (m)	4.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bacopa	<i>Bacopa monnieri</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
fragrant water-lily	<i>Nymphaea odorata</i>	90
buttonbush	<i>Cephalanthus occidentalis</i>	80
sawgrass	<i>Cladium jamaicense</i>	80
banana-lily	<i>Nymphaoides aquatica</i>	80
maidencane	<i>Panicum hemitomon</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
St. John's wort	<i>Hypericum spp.</i>	70
spatterdock	<i>Nuphar luteum</i>	70
red ludwigia	<i>Ludwigia repens</i>	60
bog-moss	<i>Mayaca fluviatilis</i>	60
wax myrtle	<i>Myrica cerifera</i>	50
sand cordgrass	<i>Spartina bakeri</i>	50
pipewort	<i>Eriocaulon spp.</i>	40
respuinata bladderwort	<i>Utricularia resupinata</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
.	<i>Nitella prolonga</i>	30
cone-spur bladderwort	<i>Utricularia gibba</i>	30
red maple	<i>Acer rubrum</i>	20
water-shield	<i>Brasenia schreberi</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
willow	<i>Salix spp.</i>	20
bladderwort	<i>Utricularia foliosa</i>	20
purple bladderwort	<i>Utricularia purpurea</i>	20
salt-bush	<i>Baccharis spp.</i>	10
water sprite*	<i>Ceratopteris thalictroides</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	10
torpedograss*	<i>Panicum repens</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Mill Dam / Marion

Aquatic plant data collected on May 15, 2001

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	18.4
Average lake depth (m)	3.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
smartweed	<i>Polygonum hydropiperoides</i>	80
respinata bladderwort	<i>Utricularia resupinata</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
spatterdock	<i>Nuphar luteum</i>	70
sawgrass	<i>Cladium jamaicense</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
St. John's wort	<i>Hypericum spp.</i>	60
buttonbush	<i>Cephalanthus occidentalis</i>	50
haspan flatsedge	<i>Cyperus haspan</i>	50
yellow-eyed grass	<i>Xyris spp.</i>	50
lemon bacopa	<i>Bacopa caroliniana</i>	40
shore rush	<i>Juncus marginatus</i>	40
bog-moss	<i>Mayaca fluviatilis</i>	30
maidencane	<i>Panicum hemitomon</i>	30
pipewort	<i>Eriocaulon spp.</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
para grass*	<i>Urochloa mutica</i>	20
tapegrass	<i>Vallisneria americana</i>	20
flat sedge spp.	<i>Cyperus spp.</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
willow	<i>Salix spp.</i>	10
cat-tail	<i>Typha spp.</i>	10

# Mill Dam / Marion

Aquatic plant data collected on May 27, 2004

Percent area covered with aquatic vegetation (PAC, %)	12.0
Percent of lake's volume filled with vegetation (PVI, %)	1.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average width of emergent and floating-leaved zone (ft.)	282.0
Average lake depth (m)	3.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
sawgrass	<i>Cladium jamaicense</i>	100
lemon bacopa	<i>Bacopa caroliniana</i>	90
bog-moss	<i>Mayaca fluviatilis</i>	90
maidencane	<i>Panicum hemitomon</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	70
spatterdock	<i>Nuphar luteum</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	70
banana-lily	<i>Nymphoides aquatica</i>	70
smartweed	<i>Polygonum hydropiperoides</i>	70
St. John's wort	<i>Hypericum spp.</i>	60
red ludwigia	<i>Ludwigia repens</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
stonewort	<i>Nitella spp.</i>	40
water-shield	<i>Brasenia schreberi</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
torpedograss*	<i>Panicum repens</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
.	<i>Utricularia biflora</i>	30
climbing hempweed	<i>Mikania scandens</i>	20
fanwort	<i>Cabomba caroliniana</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
dahoon holly	<i>Ilex cassine</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
willow	<i>Salix spp.</i>	10
Florida bladderwort	<i>Utricularia floridana</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Mill Dam / Marion

Aquatic plant data collected on June 15, 2006

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	3.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average width of emergent and floating-leaved zone (ft.)	137.7
Average lake depth (m)	5.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
purple fanwort	<i>Cabomba pulcherrima</i>	90
bog-moss	<i>Mayaca fluviatilis</i>	90
banana-lily	<i>Nymphaoides aquatica</i>	90
buttonbush	<i>Cephalanthus occidentalis</i>	80
wax myrtle	<i>Myrica cerifera</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
lemon bacopa	<i>Bacopa caroliniana</i>	70
sawgrass	<i>Cladium jamaicense</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	60
red ludwigia	<i>Ludwigia repens</i>	60
bladderwort	<i>Utricularia foliosa</i>	60
water-shield	<i>Brasenia schreberi</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	40
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	40
smartweed	<i>Polygonum hydropiperoides</i>	40
purple bladderwort	<i>Utricularia purpurea</i>	40
red maple	<i>Acer rubrum</i>	30
torpedograss*	<i>Panicum repens</i>	30
strap-leaf sag	<i>Sagittaria kurziana</i>	30
spatterdock	<i>Nuphar luteum</i>	20
Egyptian paspalidium	<i>Paspalidium geminatum</i>	20
salt-bush	<i>Baccharis spp.</i>	10
flat sedge spp.	<i>Cyperus spp.</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
water primrose	<i>Ludwigia spp.</i>	10
sweetbay	<i>Magnolia virginiana</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10
sago pondweed	<i>Potamogeton pectinatus</i>	10
willow	<i>Salix spp.</i>	10
sand cordgrass	<i>Spartina bakeri</i>	10

# Mill Dam / Marion

Aquatic plant data collected on June 12, 2008

Percent area covered with aquatic vegetation (PAC, %)	12.0
Percent of lake's volume filled with vegetation (PVI, %)	1.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average width of emergent and floating-leaved zone (ft.)	130.7
Average lake depth (m)	3.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bog-moss	<i>Mayaca fluviatilis</i>	100
maidencane	<i>Panicum hemitomon</i>	100
banana-lily	<i>Nymphaoides aquatica</i>	90
lemon bacopa	<i>Bacopa caroliniana</i>	70
buttonbush	<i>Cephalanthus occidentalis</i>	70
sawgrass	<i>Cladium jamaicense</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	60
spatterdock	<i>Nuphar luteum</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
leconte sedge	<i>Cyperus lecontei</i>	30
torpedograss*	<i>Panicum repens</i>	30
fragrant water-lily	<i>Nymphaea odorata</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
yellow-eyed grass	<i>Xyris spp.</i>	20
water-shield	<i>Brasenia schreberi</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
water primrose	<i>Ludwigia spp.</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
inundated beaksedge	<i>Rhynchospora inundata</i>	10
small headed beaksedge	<i>Rhynchospora microcephala</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10

# Mill Dam / Marion

Aquatic plant data collected on June 16, 2011

Percent area covered with aquatic vegetation (PAC, %)	26.0
Percent of lake's volume filled with vegetation (PVI, %)	2.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average width of emergent and floating-leaved zone (ft.)	15.6
Average lake depth (m)	3.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bog-moss	<i>Mayaca fluviatilis</i>	100
maidencane	<i>Panicum hemitomon</i>	100
sawgrass	<i>Cladium jamaicense</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	70
spatterdock	<i>Nuphar luteum</i>	70
baby-tears	<i>Micranthemum umbrosum</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	50
St. John's wort	<i>Hypericum spp.</i>	50
lemon bacopa	<i>Bacopa caroliniana</i>	40
red ludwigia	<i>Ludwigia repens</i>	40
banana-lily	<i>Nymphoides aquatica</i>	40
flatsedge	<i>Cyperus odoratus</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
torpedograss*	<i>Panicum repens</i>	20
inundated beaksedge	<i>Rhynchospora inundata</i>	20
salt-bush	<i>Baccharis spp.</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
water primrose	<i>Ludwigia spp.</i>	10
shrubby primrosewillow	<i>Ludwigia suffruticosa</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
willow	<i>Salix spp.</i>	10
horned bladderwort	<i>Utricularia cornuta</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Mill Dam / Marion

Aquatic plant data collected on June 13, 2012

Percent area covered with aquatic vegetation (PAC, %)	16.6
Percent of lake's volume filled with vegetation (PVI, %)	7.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.4
Average width of emergent and floating-leaved zone (ft.)	6.6
Average lake depth (m)	3.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bog-moss	<i>Mayaca fluviatilis</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	70
bog button	<i>Lachnocaulon spp.</i>	70
maidencane	<i>Panicum hemitomon</i>	70
forked rush	<i>Juncus dichotomus</i>	60
smartweed	<i>Polygonum hydropiperoides</i>	60
leconte sedge	<i>Cyperus lecontei</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	50
yellow nut-grass*	<i>Cyperus esculentus</i>	40
spatterdock	<i>Nuphar luteum</i>	40
lemon bacopa	<i>Bacopa caroliniana</i>	30
buttonbush	<i>Cephaelanthus occidentalis</i>	30
sawgrass	<i>Cladium jamaicense</i>	20
water primrose	<i>Ludwigia spp.</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
shortbeak beaksedge	<i>Rhynchospora nitens</i>	20
tropical flatsedge	<i>Cyperus surinamensis</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
southern beakrush	<i>Rhynchospora microcarpa</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Milldam / Marion

Aquatic plant data collected on August 4, 2010

Percent area covered with aquatic vegetation (PAC, %)	44.0
Percent of lake's volume filled with vegetation (PVI, %)	5.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average width of emergent and floating-leaved zone (ft.)	212.7
Average lake depth (m)	3.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bog-moss	<i>Mayaca fluviatilis</i>	100
maidencane	<i>Panicum hemitomon</i>	100
rush fuirena	<i>Fuirena scirpoidea</i>	90
banana-lily	<i>Nymphaoides aquatica</i>	90
lemon bacopa	<i>Bacopa caroliniana</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	80
sawgrass	<i>Cladium jamaicense</i>	80
red root	<i>Lachnanthes caroliniana</i>	80
shrubby primrosewillow	<i>Ludwigia suffruticosa</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
inundated beaksedge	<i>Rhynchospora inundata</i>	70
spatterdock	<i>Nuphar luteum</i>	60
marsh fleabane	<i>Pluchea spp.</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
yellow-eyed grass	<i>Xyris spp.</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	50
clustered beaksedge	<i>Rhynchospora cephalantha</i>	50
water primrose	<i>Ludwigia spp.</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
haspan flatsedge	<i>Cyperus haspan</i>	30
large-headed rush	<i>Juncus megacephalus</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	30
meadowbeauty	<i>Rhexia spp.</i>	30
little bluestem	<i>Schizachyrium scoparium</i>	30
coinwort	<i>Centella asiatica</i>	20
anglestem primrosewillow	<i>Ludwigia leptocarpa</i>	20
stonewort	<i>Nitella spp.</i>	20
torpedograss*	<i>Panicum repens</i>	20
.	<i>Sabatia spp.</i>	20
water hemlock	<i>Cicuta mexicana</i>	10
jointtail grass	<i>Coelorachis spp.</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
barnyard grass*	<i>Echinochloa crusgalli</i>	10
shore rush	<i>Juncus marginatus</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
giant foxtail	<i>Setaria magna</i>	10
sand cordgrass	<i>Spartina bakeri</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# North / Marion

Aquatic plant data collected on June 16, 1992

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	1.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	11.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	30.5
Average lake depth (m)	2.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
sawgrass	<i>Cladium jamaicense</i>	100
duck-potato	<i>Sagittaria lancifolia</i>	100
maidencane	<i>Panicum hemitomon</i>	90
floating water-hyacinth*	<i>Eichhornia crassipes</i>	80
spatterdock	<i>Nuphar luteum</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	50
common salvinia	<i>Salvinia minima</i>	50
buttonbush	<i>Cephalanthus occidentalis</i>	40
banana-lily	<i>Nymphaoides aquatica</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
red ludwigia	<i>Ludwigia repens</i>	20
salt-bush	<i>Baccharis spp.</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
water primrose	<i>Ludwigia spp.</i>	10
torpedograss*	<i>Panicum repens</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10

# North / Marion

Aquatic plant data collected on July 21, 1998

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	0.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	6.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	15.5
Average lake depth (m)	3.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
sawgrass	<i>Cladium jamaicense</i>	100
duck-potato	<i>Sagittaria lancifolia</i>	100
wax myrtle	<i>Myrica cerifera</i>	90
lizard's-tail	<i>Saururus cernuus</i>	80
floating water-hyacinth*	<i>Eichhornia crassipes</i>	70
spatterdock	<i>Nuphar luteum</i>	70
maidencane	<i>Panicum hemitomon</i>	70
red maple	<i>Acer rubrum</i>	60
buttonbush	<i>Cephalanthus occidentalis</i>	40
water primrose	<i>Ludwigia spp.</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
willow	<i>Salix spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
torpedograss*	<i>Panicum repens</i>	10
common salvinia	<i>Salvinia minima</i>	10

# Pegram / Marion

Aquatic plant data collected on May 6, 1992

Percent area covered with aquatic vegetation (PAC, %)	58.0
Percent of lake's volume filled with vegetation (PVI, %)	15.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average width of emergent and floating-leaved zone (ft.)	16.2
Average lake depth (m)	2.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Florida bladderwort	<i>Utricularia floridana</i>	90
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	80
respuinata bladderwort	<i>Utricularia resupinata</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
slender spikerush	<i>Eleocharis baldwinii</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	40
maidencane	<i>Panicum hemitomon</i>	40
bacopa	<i>Bacopa monnieri</i>	30
torpedograss*	<i>Panicum repens</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
purple bladderwort	<i>Utricularia purpurea</i>	30
pipewort	<i>Eriocaulon spp.</i>	20
spatterdock	<i>Nuphar luteum</i>	20
variableleaf pondweed	<i>Potamogeton diversifolius</i>	20
water spikerush	<i>Eleocharis elongata</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
bog-moss	<i>Mayaca fluviatilis</i>	10
banana-lily	<i>Nymphaoides aquatica</i>	10
cat-tail	<i>Typha spp.</i>	10

# Smith / Marion

Aquatic plant data collected on May 19, 1992

Percent area covered with aquatic vegetation (PAC, %)	56.0
Percent of lake's volume filled with vegetation (PVI, %)	7.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average width of emergent and floating-leaved zone (ft.)	20.5
Average lake depth (m)	2.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
lemon bacopa	<i>Bacopa caroliniana</i>	100
maidencane	<i>Panicum hemitomon</i>	100
Florida bladderwort	<i>Utricularia floridana</i>	100
bladderwort	<i>Utricularia foliosa</i>	100
purple bladderwort	<i>Utricularia purpurea</i>	90
slender spikerush	<i>Eleocharis baldwinii</i>	80
bog-moss	<i>Mayaca fluviatilis</i>	70
banana-lily	<i>Nymphaoides aquatica</i>	60
water-shield	<i>Brasenia schreberi</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
variableleaf pondweed	<i>Potamogeton diversifolius</i>	40
hydrilla*	<i>Hydrilla verticillata</i>	30
water-moss	<i>Fontinalis spp.</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
spatterdock	<i>Nuphar luteum</i>	20
cat-tail	<i>Typha spp.</i>	10

# Smith / Marion

Aquatic plant data collected on May 24, 1994

Percent area covered with aquatic vegetation (PAC, %)	42.0
Percent of lake's volume filled with vegetation (PVI, %)	6.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average width of emergent and floating-leaved zone (ft.)	27.2
Average lake depth (m)	2.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bacopa	<i>Bacopa monnieri</i>	100
bog-moss	<i>Mayaca fluviatilis</i>	100
maidencane	<i>Panicum hemitomon</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	90
banana-lily	<i>Nymphaoides aquatica</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	80
salt-bush	<i>Baccharis spp.</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	50
St. John's wort	<i>Hypericum spp.</i>	40
red root	<i>Lachnanthes caroliniana</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
red ludwigia	<i>Ludwigia repens</i>	30
spatterdock	<i>Nuphar luteum</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
willow	<i>Salix spp.</i>	30
elderberry	<i>Sambucus canadensis</i>	20
Florida bladderwort	<i>Utricularia floridana</i>	20
pickerelweed	<i>Pontederia cordata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Smith / Marion

Aquatic plant data collected on June 20, 2000

Percent area covered with aquatic vegetation (PAC, %)	72.0
Percent of lake's volume filled with vegetation (PVI, %)	6.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average width of emergent and floating-leaved zone (ft.)	100.6
Average lake depth (m)	2.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	100
maidencane	<i>Panicum hemitomon</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	90
Florida bladderwort	<i>Utricularia floridana</i>	90
bacopa	<i>Bacopa monnieri</i>	80
bog-moss	<i>Mayaca fluviatilis</i>	80
banana-lily	<i>Nymphaoides aquatica</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	60
spatterdock	<i>Nuphar luteum</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	60
St. John's wort	<i>Hypericum spp.</i>	50
pipewort	<i>Eriocaulon spp.</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
red ludwigia	<i>Ludwigia repens</i>	30
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	30
water-shield	<i>Brasenia schreberi</i>	20
sawgrass	<i>Cladium jamaicense</i>	20
water-moss	<i>Fontinalis spp.</i>	20
pondweed family	<i>Potamogetonaceae</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
elderberry	<i>Sambucus canadensis</i>	20
purple bladderwort	<i>Utricularia purpurea</i>	20
red root	<i>Lachnanthes caroliniana</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
American lotus	<i>Nelumbo lutea</i>	10
torpedograss*	<i>Panicum repens</i>	10
Nuttall's meadowbeauty	<i>Rhexia nuttallii</i>	10
cat-tail	<i>Typha spp.</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Sunset Harbor / Marion

Aquatic plant data collected on June 25, 1992

Percent area covered with aquatic vegetation (PAC, %)	34.0
Percent of lake's volume filled with vegetation (PVI, %)	3.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average width of emergent and floating-leaved zone (ft.)	101.0
Average lake depth (m)	2.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
rush fuirena	<i>Fuirena scirpoidea</i>	60
Egyptian paspalidium	<i>Paspalidium geminatum</i>	60
water primrose	<i>Ludwigia spp.</i>	50
Illinois pondweed	<i>Potamogeton illinoensis</i>	50
musk-grass	<i>Chara spp.</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
cat-tail	<i>Typha spp.</i>	40
spatterdock	<i>Nuphar luteum</i>	30
banana-lily	<i>Nymphoides aquatica</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
lemon bacopa	<i>Bacopa caroliniana</i>	20
sawgrass	<i>Cladium jamaicense</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
red root	<i>Lachnanthes caroliniana</i>	20
torpedograss*	<i>Panicum repens</i>	20
common salvinia	<i>Salvinia minima</i>	20
respuinata bladderwort	<i>Utricularia resupinata</i>	20
water spikerush	<i>Eleocharis elongata</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Sunset Harbor / Marion

Aquatic plant data collected on July 14, 1998

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	5.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average width of emergent and floating-leaved zone (ft.)	59.5
Average lake depth (m)	3.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
water primrose	<i>Ludwigia spp.</i>	70
stonewort	<i>Nitella spp.</i>	70
Egyptian paspalidium	<i>Paspalidium geminatum</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	70
wax myrtle	<i>Myrica cerifera</i>	60
lemon bacopa	<i>Bacopa caroliniana</i>	50
spatterdock	<i>Nuphar luteum</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
banana-lily	<i>Nymphoides aquatica</i>	50
torpedograss*	<i>Panicum repens</i>	50
bladderwort	<i>Utricularia foliosa</i>	50
respinata bladderwort	<i>Utricularia resupinata</i>	50
sawgrass	<i>Cladium jamaicense</i>	40
red root	<i>Lachnanthes caroliniana</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
cat-tail	<i>Typha spp.</i>	40
salt-bush	<i>Baccharis spp.</i>	30
red maple	<i>Acer rubrum</i>	20
musk-grass	<i>Chara spp.</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	20
Illinois pondweed	<i>Potamogeton illinoensis</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10
coontail	<i>Ceratophyllum demersum</i>	10
slender naiad*	<i>Najas minor</i>	10
elderberry	<i>Sambucus canadensis</i>	10
Florida bladderwort	<i>Utricularia floridana</i>	10

# Tomahawk / Marion

Aquatic plant data collected on July 29, 1993

Percent area covered with aquatic vegetation (PAC, %)	30.0
Percent of lake's volume filled with vegetation (PVI, %)	5.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average width of emergent and floating-leaved zone (ft.)	8.6
Average lake depth (m)	2.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water-pennywort	<i>Hydrocotyle umbellata</i>	100
southern cutgrass	<i>Leersia hexandra</i>	100
yellow-eyed grass	<i>Xyris spp.</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	90
bog button	<i>Lachnocaulon spp.</i>	80
maidencane	<i>Panicum hemitomon</i>	70
spatterdock	<i>Nuphar luteum</i>	60
bacopa	<i>Bacopa monnieri</i>	50
Tracy's beaksedge	<i>Rhynchospora tracyi</i>	50
red root	<i>Lachnanthes caroliniana</i>	30
banana-lily	<i>Nymphoides aquatica</i>	30
haspan flatsedge	<i>Cyperus haspan</i>	20
St. John's wort	<i>Hypericum spp.</i>	20
forked rush	<i>Juncus dichotomus</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10

# Weir / Marion

Aquatic plant data collected on June 25, 1992

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	106.1
Average lake depth (m)	5.2

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	80
maidencane	<i>Panicum hemitomon</i>	80
torpedograss*	<i>Panicum repens</i>	55
Illinois pondweed	<i>Potamogeton illinoensis</i>	55
water primrose	<i>Ludwigia spp.</i>	50
lemon bacopa	<i>Bacopa caroliniana</i>	35
Egyptian paspalidium	<i>Paspalidium geminatum</i>	35
water-pennywort	<i>Hydrocotyle umbellata</i>	15
red root	<i>Lachnanthes caroliniana</i>	15
duck-potato	<i>Sagittaria lancifolia</i>	15
slender spikerush	<i>Eleocharis baldwinii</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
willow	<i>Salix spp.</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	5
sawgrass	<i>Cladium jamaicense</i>	5
haspan flatsedge	<i>Cyperus haspan</i>	5
flatsedge	<i>Cyperus odoratus</i>	5
forked rush	<i>Juncus dichotomus</i>	5
southern water-grass	<i>Luziola fluitans</i>	5
cat-tail	<i>Typha spp.</i>	5
tapegrass	<i>Vallisneria americana</i>	5

# Weir / Marion

Aquatic plant data collected on July 15, 1998

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average width of emergent and floating-leaved zone (ft.)	69.8
Average lake depth (m)	5.7

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	95
rush fuirena	<i>Fuirena scirpoidea</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	80
respuinata bladderwort	<i>Utricularia resupinata</i>	75
water primrose	<i>Ludwigia spp.</i>	55
wax myrtle	<i>Myrica cerifera</i>	55
torpedograss*	<i>Panicum repens</i>	55
red root	<i>Lachnanthes caroliniana</i>	45
stonewort	<i>Nitella spp.</i>	45
willow	<i>Salix spp.</i>	45
red maple	<i>Acer rubrum</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
musk-grass	<i>Chara spp.</i>	25
Egyptian paspalidium	<i>Paspalidium geminatum</i>	25
salt-bush	<i>Baccharis spp.</i>	20
sweetbay	<i>Magnolia virginiana</i>	20
Illinois pondweed	<i>Potamogeton illinoensis</i>	20
cat-tail	<i>Typha spp.</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	15
sawgrass	<i>Cladium jamaicense</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
forked rush	<i>Juncus dichotomus</i>	10
common reed	<i>Phragmites australis</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	5
leconte sedge	<i>Cyperus lecontei</i>	5
slender spikerush	<i>Eleocharis baldwinii</i>	5
sweetgum	<i>Liquidambar styraciflua</i>	5
red ludwigia	<i>Ludwigia repens</i>	5
elderberry	<i>Sambucus canadensis</i>	5

# Weir / Marion

Aquatic plant data collected on July 7, 2000

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	0.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	82.1
Average lake depth (m)	5.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
respuinata bladderwort	<i>Utricularia resupinata</i>	100
umbrella-grass	<i>Fuirena squarrosa</i>	90
maidencane	<i>Panicum hemitomon</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	90
willow	<i>Salix spp.</i>	70
lemon bacopa	<i>Bacopa caroliniana</i>	60
wax myrtle	<i>Myrica cerifera</i>	60
torpedograss*	<i>Panicum repens</i>	60
musk-grass	<i>Chara spp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
red root	<i>Lachnanthes caroliniana</i>	50
water primrose	<i>Ludwigia spp.</i>	50
stonewort	<i>Nitella spp.</i>	50
Illinois pondweed	<i>Potamogeton illinoensis</i>	50
leconte sedge	<i>Cyperus lecontei</i>	40
Egyptian paspalidium	<i>Paspalidium geminatum</i>	30
coinwort	<i>Centella asiatica</i>	20
sawgrass	<i>Cladium jamaicense</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
sweetgum	<i>Liquidambar styraciflua</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
elderberry	<i>Sambucus canadensis</i>	20
red maple	<i>Acer rubrum</i>	10
giant reed*	<i>Arundo donax</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
green algae*	<i>Chlorphyta</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
large-headed rush	<i>Juncus megacephalus</i>	10
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
.	<i>Nitella prolonga</i>	10
spatterdock	<i>Nuphar luteum</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
Egyptian paspalidium	<i>Paspalidium geminatum</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
cat-tail	<i>Typha spp.</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Weir / Marion

Aquatic plant data collected on June 1, 2004

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	0.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	83.6
Average lake depth (m)	4.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water-pennywort	<i>Hydrocotyle umbellata</i>	90
rush fuirena	<i>Fuirena scirpoidea</i>	80
maidencane	<i>Panicum hemitomon</i>	80
duck-potato	<i>Sagittaria lancifolia</i>	80
red maple	<i>Acer rubrum</i>	60
wax myrtle	<i>Myrica cerifera</i>	60
stonewort	<i>Nitella spp.</i>	60
lemon bacopa	<i>Bacopa caroliniana</i>	50
torpedograss*	<i>Panicum repens</i>	50
variableleaf pondweed	<i>Potamogeton diversifolius</i>	50
respuinata bladderwort	<i>Utricularia resupinata</i>	50
pickerelweed	<i>Pontederia cordata</i>	40
Illinois pondweed	<i>Potamogeton illinoensis</i>	40
willow	<i>Salix spp.</i>	40
sawgrass	<i>Cladium jamaicense</i>	30
water primrose	<i>Ludwigia spp.</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
musk-grass	<i>Chara spp.</i>	20
Egyptian paspalidium	<i>Paspalidium geminatum</i>	20
rose-gentians	<i>Sabatia stellaris</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
fanwort	<i>Cabomba caroliniana</i>	10
coinwort	<i>Centella asiatica</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
sweetgum	<i>Liquidambar styraciflua</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
southern water-grass	<i>Luziola fluitans</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
spatterdock	<i>Nuphar luteum</i>	10
banana-lily	<i>Nymphaoides aquatica</i>	10
common reed	<i>Phragmites australis</i>	10
cat-tail	<i>Typha spp.</i>	10
Florida bladderwort	<i>Utricularia floridana</i>	10
tapegrass	<i>Vallisneria americana</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Weir / Marion

Aquatic plant data collected on June 27, 2006

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	107.4
Average lake depth (m)	6.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
duck-potato	<i>Sagittaria lancifolia</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
maidencane	<i>Panicum hemitomon</i>	70
torpedograss*	<i>Panicum repens</i>	70
buttonbush	<i>Cephalanthus occidentalis</i>	60
Illinois pondweed	<i>Potamogeton illinoensis</i>	60
willow	<i>Salix spp.</i>	60
lemon bacopa	<i>Bacopa caroliniana</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
water primrose	<i>Ludwigia spp.</i>	50
red maple	<i>Acer rubrum</i>	40
wax myrtle	<i>Myrica cerifera</i>	30
Egyptian paspalidium	<i>Paspalidium geminatum</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	20
stonewort	<i>Nitella spp.</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
musk-grass	<i>Chara spp.</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
scarlet rosemallow	<i>Hibiscus coccineus</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
sago pondweed	<i>Potamogeton pectinatus</i>	10
American cupscale	<i>Sacciolepis striata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
bald cypress	<i>Taxodium distichum</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Weir / Marion

Aquatic plant data collected on June 11, 2008

Percent area covered with aquatic vegetation (PAC, %)	1.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	120.6
Average lake depth (m)	4.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
water-pennywort	<i>Hydrocotyle umbellata</i>	90
torpedograss*	<i>Panicum repens</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
maidencane	<i>Panicum hemitomon</i>	70
leconte sedge	<i>Cyperus lecontei</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	60
shore rush	<i>Juncus marginatus</i>	60
Illinois pondweed	<i>Potamogeton illinoensis</i>	60
water primrose	<i>Ludwigia spp.</i>	50
stonewort	<i>Nitella spp.</i>	50
Egyptian paspalidium	<i>Paspalidium germinatum</i>	50
lemon bacopa	<i>Bacopa caroliniana</i>	40
musk-grass	<i>Chara spp.</i>	30
manyspike flatsedge	<i>Cyperus polystachyos</i>	30
red root	<i>Lachnanthes caroliniana</i>	30
yellow-eyed grass	<i>Xyris spp.</i>	30
coinwort	<i>Centella asiatica</i>	20
sawgrass	<i>Cladium jamaicense</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
sesbans	<i>Sesbania spp.</i>	20
tapegrass	<i>Vallisneria americana</i>	20
red maple	<i>Acer rubrum</i>	10
carex sedge	<i>Carex spp.</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
spatterdock	<i>Nuphar luteum</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10
bald cypress	<i>Taxodium distichum</i>	10
cat-tail	<i>Typha spp.</i>	10
Florida bladderwort	<i>Utricularia floridana</i>	10

# Weir / Marion

Aquatic plant data collected on June 22, 2010

Percent area covered with aquatic vegetation (PAC, %)	3.0
Percent of lake's volume filled with vegetation (PVI, %)	0.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	107.0
Average lake depth (m)	5.0

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
torpedograss*	<i>Panicum repens</i>	87
rush fuirena	<i>Fuirena scirpoidea</i>	80
red maple	<i>Acer rubrum</i>	67
haspan flatsedge	<i>Cyperus haspan</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
water primrose	<i>Ludwigia spp.</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
sesbans	<i>Sesbania spp.</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	53
red root	<i>Lachnanthes caroliniana</i>	53
lemon bacopa	<i>Bacopa caroliniana</i>	47
shore rush	<i>Juncus marginatus</i>	47
wax myrtle	<i>Myrica cerifera</i>	47
bog rush	<i>Juncus ellottii</i>	33
salt-bush	<i>Baccharis spp.</i>	27
coinwort	<i>Centella asiatica</i>	27
Illinois pondweed	<i>Potamogeton illinoensis</i>	27
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
large-headed rush	<i>Juncus megacephalus</i>	20
Egyptian paspalidium	<i>Paspalidium geminatum</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
.	<i>Sabatia spp.</i>	20
sawgrass	<i>Cladium jamaicense</i>	13
spatterdock	<i>Nuphar luteum</i>	13
common reed	<i>Phragmites australis</i>	13
willow	<i>Salix spp.</i>	13
coontail	<i>Ceratophyllum demersum</i>	7
elephant-ear*	<i>Colocasia esculenta</i>	7
manyspike flatsedge	<i>Cyperus polystachyos</i>	7
hydrilla*	<i>Hydrilla verticillata</i>	7
primrosewillow	<i>Ludwigia spp.</i>	7
stonewort	<i>Nitella spp.</i>	7
fragrant water-lily	<i>Nymphaea odorata</i>	7
clustered beaksedge	<i>Rhynchospora cephalantha</i>	7
bald cypress	<i>Taxodium distichum</i>	7
cat-tail	<i>Typha spp.</i>	7
tapegrass	<i>Vallisneria americana</i>	7
yellow-eyed grass	<i>Xyris spp.</i>	7

# Weir / Marion

Aquatic plant data collected on June 9, 2011

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	0.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	68.0
Average lake depth (m)	4.3

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	93
maidencane	<i>Panicum hemitomon</i>	73
Illinois pondweed	<i>Potamogeton illinoensis</i>	60
salt-bush	<i>Baccharis spp.</i>	53
lemon bacopa	<i>Bacopa caroliniana</i>	53
wax myrtle	<i>Myrica cerifera</i>	53
slender spikerush	<i>Eleocharis baldwinii</i>	47
stonewort	<i>Nitella spp.</i>	47
duck-potato	<i>Sagittaria lancifolia</i>	47
red maple	<i>Acer rubrum</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
torpedograss*	<i>Panicum repens</i>	40
Egyptian paspalidium	<i>Paspalidium geminatum</i>	40
red root	<i>Lachnanthes caroliniana</i>	20
willow	<i>Salix spp.</i>	20
coinwort	<i>Centella asiatica</i>	13
buttonbush	<i>Cephalanthus occidentalis</i>	13
musk-grass	<i>Chara spp.</i>	13
sawgrass	<i>Cladium jamaicense</i>	13
bog rush	<i>Juncus elliotii</i>	13
fragrant water-lily	<i>Nymphaea odorata</i>	13
smartweed	<i>Polygonum hydropiperoides</i>	13
sesbans	<i>Sesbania spp.</i>	13
cat-tail	<i>Typha spp.</i>	13
asters	<i>Aster spp.</i>	7
water hemlock	<i>Cicuta mexicana</i>	7
yellow nut-grass*	<i>Cyperus esculentus</i>	7
leconte sedge	<i>Cyperus lecontei</i>	7
flatsedge	<i>Cyperus odoratus</i>	7
fringe-rush	<i>Fimbristylis glaucescens</i>	7
St. John's wort	<i>Hypericum spp.</i>	7
water primrose	<i>Ludwigia spp.</i>	7
southern naiad	<i>Najas guadalupensis</i>	7
banana-lily	<i>Nymphoides aquatica</i>	7
clustered beaksedge	<i>Rhynchospora cephalantha</i>	7
dwarf arrowhead	<i>Sagittaria subulata</i>	7
common salvinia	<i>Salvinia minima</i>	7
bladderwort	<i>Utricularia foliosa</i>	7
tapegrass	<i>Vallisneria americana</i>	7

# Weir / Marion

Aquatic plant data collected on June 5, 2012

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	1.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	34.2
Average lake depth (m)	4.2

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	87
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	47
lemon bacopa	<i>Bacopa caroliniana</i>	33
water-pennywort	<i>Hydrocotyle umbellata</i>	33
stonewort	<i>Nitella spp.</i>	33
southern water-hemp	<i>Amaranthus australis</i>	27
Egyptian paspalidium	<i>Paspalidium geminatum</i>	27
tapegrass	<i>Vallisneria americana</i>	20
bladderwort	<i>Utricularia foliosa</i>	13
red maple	<i>Acer rubrum</i>	7
musk-grass	<i>Chara spp.</i>	7
frog's-bit	<i>Limnobium spongia</i>	7
fragrant water-lily	<i>Nymphaea odorata</i>	7
torpedograss*	<i>Panicum repens</i>	7
duck-potato	<i>Sagittaria lancifolia</i>	7
exotic bur-reed	<i>Sparganium erectum</i>	7

## E / Miami-Dade

Aquatic plant data collected on August 1, 2002

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	6.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	0.6
Average lake depth (m)	7.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
southern naiad	<i>Najas guadalupensis</i>	100
musk-grass	<i>Chara spp.</i>	90
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
annual spikrush	<i>Eleocharis geniculata</i>	60
hydrilla*	<i>Hydrilla verticillata</i>	60
torpedograss*	<i>Panicum repens</i>	60
marine naiad	<i>Najas marina</i>	40
bacopa	<i>Bacopa monnieri</i>	10
coinwort	<i>Centella asiatica</i>	10
stonewort	<i>Nitella spp.</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

## E / Miami-Dade

Aquatic plant data collected on June 14, 2004

Percent area covered with aquatic vegetation (PAC, %)	84.0
Percent of lake's volume filled with vegetation (PVI, %)	7.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.9
Average width of emergent and floating-leaved zone (ft.)	0.5
Average lake depth (m)	7.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
musk-grass	<i>Chara spp.</i>	90
Illinois pondweed	<i>Potamogeton illinoensis</i>	90
hydrilla*	<i>Hydrilla verticillata</i>	70
spikerushes	<i>Eleocharis spp.</i>	50
southern naiad	<i>Najas guadalupensis</i>	50
torpedograss*	<i>Panicum repens</i>	30
marine naiad	<i>Najas marina</i>	20
green algae	<i>Chlorphyta</i>	10

# E / Miami-Dade

Aquatic plant data collected on May 18, 2006

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	4.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average width of emergent and floating-leaved zone (ft.)	0.0
Average lake depth (m)	6.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
musk-grass	<i>Chara spp.</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	90
spikerushes	<i>Eleocharis spp.</i>	70
marine naiad	<i>Najas marina</i>	70
stonewort	<i>Nitella spp.</i>	60
hydrilla*	<i>Hydrilla verticillata</i>	50
southern naiad	<i>Najas guadalupensis</i>	40
green algae	<i>Chlorphyta</i>	30
torpedograss*	<i>Panicum repens</i>	10

# E / Miami-Dade

Aquatic plant data collected on August 13, 2008

Percent area covered with aquatic vegetation (PAC, %)	54.0
Percent of lake's volume filled with vegetation (PVI, %)	6.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average width of emergent and floating-leaved zone (ft.)	2.4
Average lake depth (m)	6.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
musk-grass	<i>Chara spp.</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	90
torpedograss*	<i>Panicum repens</i>	70
southern naiad	<i>Najas guadalupensis</i>	40
stonewort	<i>Nitella spp.</i>	40
frog fruit	<i>Phyla nodiflora</i>	20
bacopa	<i>Bacopa monnieri</i>	10
annual spikrush	<i>Eleocharis geniculata</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10

# Highland / Miami-Dade

Aquatic plant data collected on July 29, 2003

Percent area covered with aquatic vegetation (PAC, %)	20.4
Percent of lake's volume filled with vegetation (PVI, %)	6.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average width of emergent and floating-leaved zone (ft.)	0.0
Average lake depth (m)	4.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
hydrilla*	<i>Hydrilla verticillata</i>	100
torpedograss*	<i>Panicum repens</i>	80
musk-grass	<i>Chara spp.</i>	50
Illinois pondweed	<i>Potamogeton illinoensis</i>	50
coinwort	<i>Centella asiatica</i>	40
bacopa	<i>Bacopa monnieri</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
southern naiad	<i>Najas guadalupensis</i>	30
flatsedge	<i>Cyperus odoratus</i>	10
water primrose	<i>Ludwigia spp.</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10

# Oakland / Miami-Dade

Aquatic plant data collected on August 26, 2001

Percent area covered with aquatic vegetation (PAC, %)	70.0
Percent of lake's volume filled with vegetation (PVI, %)	10.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average width of emergent and floating-leaved zone (ft.)	5.3
Average lake depth (m)	5.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
musk-grass	<i>Chara spp.</i>	100
southern naiad	<i>Najas guadalupensis</i>	100
torpedograss*	<i>Panicum repens</i>	100
hydrilla*	<i>Hydrilla verticillata</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
respiuinata bladderwort	<i>Utricularia resupinata</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# Apopka / Orange

Aquatic plant data collected on November 1, 2006

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	1.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average width of emergent and floating-leaved zone (ft.)	151.5
Average lake depth (m)	1.1

Frequency that plant species occur in 16 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	94
elephant-ear*	<i>Coccosia esculenta</i>	75
duck-potato	<i>Sagittaria lancifolia</i>	75
floating water-hyacinth*	<i>Eichhornia crassipes</i>	69
pickerelweed	<i>Pontederia cordata</i>	69
water-pennywort	<i>Hydrocotyle umbellata</i>	63
giant bulrush	<i>Scirpus californicus</i>	56
torpedograss*	<i>Panicum repens</i>	44
Egyptian paspalidium	<i>Paspalidium geminatum</i>	44
willow	<i>Salix spp.</i>	44
sawgrass	<i>Cladium jamaicense</i>	38
flatsedge	<i>Cyperus odoratus</i>	38
water primrose	<i>Ludwigia spp.</i>	38
common salvinia	<i>Salvinia minima</i>	38
tapegrass	<i>Vallisneria americana</i>	38
alligator-weed*	<i>Alternanthera philoxeroides</i>	31
American cupscale	<i>Sacciolepis striata</i>	25
soft stem bulrush	<i>Scirpus validus</i>	25
swamp tupelo	<i>Nyssa sylvatica</i>	19
smartweed	<i>Polygonum hydropiperoides</i>	19
common duckweed	<i>Lemna minor</i>	13
water-lily	<i>Nymphaea spp.</i>	13
maidencane	<i>Panicum hemitomon</i>	13
arrow-arum	<i>Peltandra virginica</i>	13
red maple	<i>Acer rubrum</i>	6
musk-grass	<i>Chara spp.</i>	6
haspan flatsedge	<i>Cyperus haspan</i>	6
spider-lily	<i>Hymenocallis spp.</i>	6
southern cutgrass	<i>Leersia hexandra</i>	6
wax myrtle	<i>Myrica cerifera</i>	6
spatterdock	<i>Nuphar luteum</i>	6
.	<i>Pithophora spp.</i>	6
lizard's-tail	<i>Saururus cernuus</i>	6
bald cypress	<i>Taxodium distichum</i>	6
fire flag	<i>Thalia geniculata</i>	6

# Apopka / Orange

Aquatic plant data collected on September 4, 2008

Percent area covered with aquatic vegetation (PAC, %)	.
Percent of lake's volume filled with vegetation (PVI, %)	.
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	141.7
Average lake depth (m)	.

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	95
water primrose	<i>Ludwigia spp.</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	75
duck-potato	<i>Sagittaria lancifolia</i>	75
pickerelweed	<i>Pontederia cordata</i>	70
willow	<i>Salix spp.</i>	65
water-pennywort	<i>Hydrocotyle umbellata</i>	55
smartweed	<i>Polygonum hydropiperoides</i>	55
southern water-hemp	<i>Amaranthus australis</i>	50
torpedograss*	<i>Panicum repens</i>	50
red maple	<i>Acer rubrum</i>	45
seashore marsh-mallow	<i>Kosteletzkyva virginica</i>	45
giant bulrush	<i>Scirpus californicus</i>	35
sawgrass	<i>Cladium jamaicense</i>	30
Egyptian paspalidium	<i>Paspalidium geminatum</i>	30
flatsedge	<i>Cyperus odoratus</i>	25
American cupscale	<i>Sacciolepis striata</i>	25
buttonbush	<i>Cephalanthus occidentalis</i>	20
water hemlock	<i>Cicuta mexicana</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	15
salt-bush	<i>Baccharis spp.</i>	15
wax myrtle	<i>Myrica cerifera</i>	15
napier grass*	<i>Pennisetum purpureum</i>	15
water-lettuce*	<i>Pistia stratiotes</i>	15
leconte sedge	<i>Cyperus lecontei</i>	10
barnyard grass*	<i>Echinochloa crusgalli</i>	10
common duckweed	<i>Lemna minor</i>	10
swamp tupelo	<i>Nyssa sylvatica</i>	10
maidencane	<i>Panicum hemitomon</i>	10
arrow-arum	<i>Peltandra virginica</i>	10
marsh fleabane	<i>Pluchea spp.</i>	10
common arrowhead	<i>Sagittaria latifolia</i>	10
common salvinia	<i>Salvinia minima</i>	10
soft stem bulrush	<i>Scirpus validus</i>	10
tapegrass	<i>Vallisneria americana</i>	10
canna	<i>Canna spp.</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
spatterdock	<i>Nuphar luteum</i>	5
bald cypress	<i>Taxodium distichum</i>	5
fire flag	<i>Thalia geniculata</i>	5

# Apopka / Orange

Aquatic plant data collected on September 2, 2010

Percent area covered with aquatic vegetation (PAC, %)	.
Percent of lake's volume filled with vegetation (PVI, %)	.
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average width of emergent and floating-leaved zone (ft.)	157.1
Average lake depth (m)	.

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
duck-potato	<i>Sagittaria lancifolia</i>	95
cat-tail	<i>Typha spp.</i>	85
pickerelweed	<i>Pontederia cordata</i>	75
willow	<i>Salix spp.</i>	65
elephant-ear*	<i>Colocasia esculenta</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	55
red maple	<i>Acer rubrum</i>	50
southern water-hemp	<i>Amaranthus australis</i>	50
water primrose	<i>Ludwigia spp.</i>	50
Egyptian paspalidium	<i>Paspalidium geminatum</i>	40
swamp tupelo	<i>Nyssa sylvatica</i>	35
torpedograss*	<i>Panicum repens</i>	35
tapegrass	<i>Vallisneria americana</i>	35
buttonbush	<i>Cephalanthus occidentalis</i>	30
giant bulrush	<i>Scirpus californicus</i>	30
musk-grass	<i>Chara spp.</i>	25
sawgrass	<i>Cladium jamaicense</i>	25
floating water-hyacinth*	<i>Eichhornia crassipes</i>	25
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
St. John's wort	<i>Hypericum spp.</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
arrow-arum	<i>Peltandra virginica</i>	20
common duckweed	<i>Lemna minor</i>	15
fragrant water-lily	<i>Nymphaea odorata</i>	15
water hemlock	<i>Cicuta mexicana</i>	10
swamp rosemallow	<i>Hibiscus grandiflorus</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
seashore marsh-mallow	<i>Kosteletzkyia virginica</i>	10
yellow water-lily	<i>Nymphaea mexicana</i>	10
.	<i>Panicum spp.</i>	10
bald cypress	<i>Taxodium distichum</i>	10
para grass*	<i>Urochloa mutica</i>	10
salt-bush	<i>Baccharis spp.</i>	5
bacopa	<i>Bacopa monnieri</i>	5
flatsedge	<i>Cyperus odoratus</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
American lotus	<i>Nelumbo lutea</i>	5
spatterdock	<i>Nuphar luteum</i>	5
swamp bay	<i>Persea palustris</i>	5
water-lettuce*	<i>Pistia stratiotes</i>	5
smartweed	<i>Polygonum hydropiperoides</i>	5
inundated beaksedge	<i>Rhynchospora inundata</i>	5
cabbage palm	<i>Sabal palmetto</i>	5

American cupscale	<i>Sacciolepis striata</i>	5
common arrowhead	<i>Sagittaria latifolia</i>	5
common salvinia	<i>Salvinia minima</i>	5
elderberry	<i>Sambucus canadensis</i>	5

# Bay / Orange

Aquatic plant data collected on June 8, 1993

Percent area covered with aquatic vegetation (PAC, %)	58.0
Percent of lake's volume filled with vegetation (PVI, %)	6.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	10.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average width of emergent and floating-leaved zone (ft.)	31.2
Average lake depth (m)	2.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water-net	<i>Hydrodictyon spp.</i>	100
torpedograss*	<i>Panicum repens</i>	80
water primrose	<i>Ludwigia spp.</i>	70
southern naiad	<i>Najas guadalupensis</i>	70
cat-tail	<i>Typha spp.</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	60
willow	<i>Salix spp.</i>	60
wax myrtle	<i>Myrica cerifera</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
spatterdock	<i>Nuphar luteum</i>	40
haspan flatsedge	<i>Cyperus haspan</i>	30
flatsedge	<i>Cyperus odoratus</i>	30
bald cypress	<i>Taxodium distichum</i>	30
bacopa	<i>Bacopa monnieri</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
manyspike flatsedge	<i>Cyperus polystachyos</i>	20
shore rush	<i>Juncus marginatus</i>	20
soft rush	<i>Juncus effusus</i>	10
common duckweed	<i>Lemna minor</i>	10
maiden cane	<i>Panicum hemitomon</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
common salvinia	<i>Salvinia minima</i>	10
elderberry	<i>Sambucus canadensis</i>	10
spreading bulrush	<i>Scirpus divaricatus</i>	10

# Bay / Orange

Aquatic plant data collected on June 24, 1998

Percent area covered with aquatic vegetation (PAC, %)	30.0
Percent of lake's volume filled with vegetation (PVI, %)	9.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	23.5
Average lake depth (m)	2.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
green algae	<i>Chlorphyta</i>	70
water primrose	<i>Ludwigia spp.</i>	70
cat-tail	<i>Typha spp.</i>	60
spatterdock	<i>Nuphar luteum</i>	50
bald cypress	<i>Taxodium distichum</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
torpedograss*	<i>Panicum repens</i>	40
wax myrtle	<i>Myrica cerifera</i>	30
willow	<i>Salix spp.</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
musk-grass	<i>Chara spp.</i>	10
umbrella sedge*	<i>Cyperus involucratus</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
papyrus*	<i>Cyperus papyrus</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# Bennett / Orange

Aquatic plant data collected on May 17, 1994

Percent area covered with aquatic vegetation (PAC, %)	5.9
Percent of lake's volume filled with vegetation (PVI, %)	1.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	21.8
Average lake depth (m)	3.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	90
water primrose	<i>Ludwigia spp.</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	60
maidencane	<i>Panicum hemitomon</i>	60
pickerelweed	<i>Pontederia cordata</i>	40
willow	<i>Salix spp.</i>	40
wax myrtle	<i>Myrica cerifera</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
torpedograss*	<i>Panicum repens</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
bacopa	<i>Bacopa monnieri</i>	10
musk-grass	<i>Chara spp.</i>	10
sawgrass	<i>Cladium jamaicense</i>	10
Baldwin flatsedge	<i>Cyperus globulosus</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
soft rush	<i>Juncus effusus</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# Bennett / Orange

Aquatic plant data collected on August 3, 1999

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	4.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	6.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	52.0
Average lake depth (m)	3.7

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	100
musk-grass	<i>Chara spp.</i>	80
water primrose	<i>Ludwigia spp.</i>	80
maidencane	<i>Panicum hemitomon</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	40
flat sedge spp.	<i>Cyperus spp.</i>	40
torpedograss*	<i>Panicum repens</i>	40
willow	<i>Salix spp.</i>	40
salt-bush	<i>Baccharis spp.</i>	20
pickerelweed	<i>Pontederia cordata</i>	20

# Bessie / Orange

Aquatic plant data collected on September 10, 2002

Percent area covered with aquatic vegetation (PAC, %)	65.3
Percent of lake's volume filled with vegetation (PVI, %)	7.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	51.2
Average lake depth (m)	4.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
stonewort	<i>Nitella spp.</i>	90
water primrose	<i>Ludwigia spp.</i>	80
haspan flatsedge	<i>Cyperus haspan</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	70
red root	<i>Lachnanthes caroliniana</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	70
torpedograss*	<i>Panicum repens</i>	70
wax myrtle	<i>Myrica cerifera</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	40
melaleuca*	<i>Melaleuca quinquenervia</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	40
coinwort	<i>Centella asiatica</i>	30
sawgrass	<i>Cladium jamaicense</i>	30
red ludwigia	<i>Ludwigia repens</i>	30
southern naiad	<i>Najas guadalupensis</i>	30
maidencane	<i>Panicum hemitomon</i>	30
castor-bean*	<i>Ricinus communis</i>	30
willow	<i>Salix spp.</i>	30
cat-tail	<i>Typha spp.</i>	30
yellow-eyed grass	<i>Xyris spp.</i>	30
salt-bush	<i>Baccharis spp.</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
pipewort	<i>Eriocaulon spp.</i>	20
banana-lily	<i>Nymphoides aquatica</i>	20
elderberry	<i>Sambucus canadensis</i>	20
respuinata bladderwort	<i>Utricularia resupinata</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
club-rush	<i>Eleocharis cellulosa</i>	10
water spikerush	<i>Eleocharis elongata</i>	10
large-headed rush	<i>Juncus megacephalus</i>	10
spatterdock	<i>Nuphar luteum</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
.	<i>Utricularia biflora</i>	10
taeograss	<i>Vallisneria americana</i>	10

# Butler / Orange

Aquatic plant data collected on June 1, 1999

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	3.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average width of emergent and floating-leaved zone (ft.)	50.3
Average lake depth (m)	4.0

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	90
torpedograss*	<i>Panicum repens</i>	85
maidencane	<i>Panicum hemitomon</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	75
water primrose	<i>Ludwigia spp.</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	70
stonewort	<i>Nitella spp.</i>	65
pickerelweed	<i>Pontederia cordata</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	45
wax myrtle	<i>Myrica cerifera</i>	45
cat-tail	<i>Typha spp.</i>	45
tapegrass	<i>Vallisneria americana</i>	40
sawgrass	<i>Cladium jamaicense</i>	35
buttonbush	<i>Cephalanthus occidentalis</i>	25
willow	<i>Salix spp.</i>	25
fragrant water-lily	<i>Nymphaea odorata</i>	20
elderberry	<i>Sambucus canadensis</i>	20
salt-bush	<i>Baccharis spp.</i>	15
elephant-ear*	<i>Colocasia esculenta</i>	15
sweetbay	<i>Magnolia virginiana</i>	15
spatterdock	<i>Nuphar luteum</i>	10
red maple	<i>Acer rubrum</i>	5
coontail	<i>Ceratophyllum demersum</i>	5
hydrilla*	<i>Hydrilla verticillata</i>	5
baby-tears	<i>Micranthemum umbrosum</i>	5
southern naiad	<i>Najas guadalupensis</i>	5
American lotus	<i>Nelumbo lutea</i>	5
variableleaf pondweed	<i>Potamogeton diversifolius</i>	5
respuinata bladderwort	<i>Utricularia resupinata</i>	5

# Butler / Orange

Aquatic plant data collected on July 17, 2001

Percent area covered with aquatic vegetation (PAC, %)	62.0
Percent of lake's volume filled with vegetation (PVI, %)	5.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average width of emergent and floating-leaved zone (ft.)	30.6
Average lake depth (m)	3.2

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
stonewort	<i>Nitella spp.</i>	100
maidencane	<i>Panicum hemitomon</i>	75
bald cypress	<i>Taxodium distichum</i>	75
torpedograss*	<i>Panicum repens</i>	70
tapegrass	<i>Vallisneria americana</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	55
water primrose	<i>Ludwigia spp.</i>	40
cat-tail	<i>Typha spp.</i>	35
flatsedge	<i>Cyperus odoratus</i>	25
fragrant water-lily	<i>Nymphaea odorata</i>	25
water-pennywort	<i>Hydrocotyle umbellata</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	15
elephant-ear*	<i>Colocasia esculenta</i>	15
wax myrtle	<i>Myrica cerifera</i>	15
respuinata bladderwort	<i>Utricularia resupinata</i>	15
salt-bush	<i>Baccharis spp.</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	5
green algae	<i>Chlorphyta</i>	5
red root	<i>Lachnanthes caroliniana</i>	5
spatterdock	<i>Nuphar luteum</i>	5
smartweed	<i>Polygonum hydropiperoides</i>	5
pickerelweed	<i>Pontederia cordata</i>	5
Illinois pondweed	<i>Potamogeton illinoensis</i>	5
willow	<i>Salix spp.</i>	5
common salvinia	<i>Salvinia minima</i>	5
three-square	<i>Scirpus americanus</i>	5
giant bulrush	<i>Scirpus californicus</i>	5

# Butler / Orange

Aquatic plant data collected on August 6, 2003

Percent area covered with aquatic vegetation (PAC, %)	36.0
Percent of lake's volume filled with vegetation (PVI, %)	1.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average width of emergent and floating-leaved zone (ft.)	99.4
Average lake depth (m)	4.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	90
torpedograss*	<i>Panicum repens</i>	90
cypress spp.	<i>Taxodium spp.</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	70
stonewort	<i>Nitella spp.</i>	70
maidencane	<i>Panicum hemitomon</i>	70
elephant-ear*	<i>Colocasia esculenta</i>	60
water primrose	<i>Ludwigia spp.</i>	60
wax myrtle	<i>Myrica cerifera</i>	60
red maple	<i>Acer rubrum</i>	50
pickerelweed	<i>Pontederia cordata</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
tapegrass	<i>Vallisneria americana</i>	50
sawgrass	<i>Cladium jamaicense</i>	40
willow	<i>Salix spp.</i>	40
common salvinia	<i>Salvinia minima</i>	40
cat-tail	<i>Typha spp.</i>	40
purple bladderwort	<i>Utricularia purpurea</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
red ludwigia	<i>Ludwigia repens</i>	30
southern naiad	<i>Najas guadalupensis</i>	30
fragrant water-lily	<i>Nymphaea odorata</i>	30
Illinois pondweed	<i>Potamogeton illinoensis</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	20
spatterdock	<i>Nuphar luteum</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
sand cordgrass	<i>Spartina bakeri</i>	20
cone-spur bladderwort	<i>Utricularia gibba</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
musk-grass	<i>Chara spp.</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
American lotus	<i>Nelumbo lutea</i>	10
sago pondweed	<i>Potamogeton pectinatus</i>	10
elderberry	<i>Sambucus canadensis</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
pond cypress	<i>Taxodium ascendens</i>	10
fire flag	<i>Thalia geniculata</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Butler / Orange

Aquatic plant data collected on June 2, 2005

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	4.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	158.3
Average lake depth (m)	4.2

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	90
cypress spp.	<i>Taxodium spp.</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	80
torpedograss*	<i>Panicum repens</i>	80
maidencane	<i>Panicum hemitomon</i>	75
Illinois pondweed	<i>Potamogeton illinoensis</i>	65
fragrant water-lily	<i>Nymphaea odorata</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
Manatee mudflower	<i>Micranthemum glomeratum</i>	45
wax myrtle	<i>Myrica cerifera</i>	45
cat-tail	<i>Typha spp.</i>	45
buttonbush	<i>Cephalanthus occidentalis</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
water primrose	<i>Ludwigia spp.</i>	40
stonewort	<i>Nitella spp.</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	35
willow	<i>Salix spp.</i>	35
southern naiad	<i>Najas guadalupensis</i>	30
purple bladderwort	<i>Utricularia purpurea</i>	30
tapegrass	<i>Vallisneria americana</i>	30
spatterdock	<i>Nuphar luteum</i>	20
sweetbay	<i>Magnolia virginiana</i>	15
melaleuca*	<i>Melaleuca quinquenervia</i>	15
water dropwort	<i>Oxypolis filiformis</i>	15
dwarf arrowhead	<i>Sagittaria subulata</i>	15
Brazilian pepper*	<i>Schinus terebinthifolius</i>	15
coontail	<i>Ceratophyllum demersum</i>	10
green algae	<i>Chlorphyta</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
common salvinia	<i>Salvinia minima</i>	10
fire flag	<i>Thalia geniculata</i>	10
alligator-weed*	<i>Alternanthera philoxeroides</i>	5
lemon bacopa	<i>Bacopa caroliniana</i>	5
beggar-ticks	<i>Bidens spp.</i>	5
musk-grass	<i>Chara spp.</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
slender spikerush	<i>Eleocharis baldwinii</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
arrow-arum	<i>Peltandra virginica</i>	5
common reed	<i>Phragmites australis</i>	5
marsh fleabane	<i>Pluchea spp.</i>	5

smartweed	<i>Polygonum hydropiperoides</i>	5
elderberry	<i>Sambucus canadensis</i>	5
burhead sedge*	<i>Scirpus cubensis</i>	5
sand cordgrass	<i>Spartina bakeri</i>	5
bladderwort	<i>Utricularia foliosa</i>	5

# Butler / Orange

Aquatic plant data collected on June 21, 2007

Percent area covered with aquatic vegetation (PAC, %)	55.0
Percent of lake's volume filled with vegetation (PVI, %)	4.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	104.1
Average lake depth (m)	3.6

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
bald cypress	<i>Taxodium distichum</i>	85
water-pennywort	<i>Hydrocotyle umbellata</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	75
maidencane	<i>Panicum hemitomon</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	70
taeagrass	<i>Vallisneria americana</i>	70
Manatee mudflower	<i>Micranthemum glomeratum</i>	65
stonewort	<i>Nitella spp.</i>	65
pickerelweed	<i>Pontederia cordata</i>	65
cat-tail	<i>Typha spp.</i>	60
water primrose	<i>Ludwigia spp.</i>	55
bladderwort	<i>Utricularia foliosa</i>	50
willow	<i>Salix spp.</i>	45
lemon bacopa	<i>Bacopa caroliniana</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
flatsedge	<i>Cyperus odoratus</i>	35
slender spikerush	<i>Eleocharis baldwinii</i>	25
wax myrtle	<i>Myrica cerifera</i>	25
Illinois pondweed	<i>Potamogeton illinoensis</i>	25
flat sedge spp.	<i>Cyperus spp.</i>	15
hydrilla*	<i>Hydrilla verticillata</i>	15
sand cordgrass	<i>Spartina bakeri</i>	15
sawgrass	<i>Cladium jamaicense</i>	10
manyspike flatsedge	<i>Cyperus polystachyos</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
spatterdock	<i>Nuphar luteum</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
canna	<i>Canna spp.</i>	5
coontail	<i>Ceratophyllum demersum</i>	5
musk-grass	<i>Chara spp.</i>	5
leconte sedge	<i>Cyperus lecontei</i>	5
pond flatsedge*	<i>Cyperus ochraceus</i>	5
low flatsedge*	<i>Cyperus pumilus</i>	5
barnyard grass*	<i>Echinochloa crusgalli</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
club-rush	<i>Eleocharis cellulosa</i>	5
southern water-grass	<i>Luziola fluitans</i>	5
sweetbay	<i>Magnolia virginiana</i>	5
dwarf arrowhead	<i>Sagittaria subulata</i>	5

# Butler / Orange

Aquatic plant data collected on July 9, 2009

Percent area covered with aquatic vegetation (PAC, %)	9.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average width of emergent and floating-leaved zone (ft.)	152.3
Average lake depth (m)	4.1

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
tapegrass	<i>Vallisneria americana</i>	90
bald cypress	<i>Taxodium distichum</i>	85
rush fuirena	<i>Fuirena scirpoidea</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	80
maidencane	<i>Panicum hemitomon</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
duck-potato	<i>Sagittaria lancifolia</i>	80
pickerelweed	<i>Pontederia cordata</i>	75
water primrose	<i>Ludwigia spp.</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	60
baby-tears	<i>Micranthemum umbrosum</i>	55
smartweed	<i>Polygonum hydropiperoides</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	45
common salvinia	<i>Salvinia minima</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	35
slender spikerush	<i>Eleocharis baldwinii</i>	35
stonewort	<i>Nitella spp.</i>	35
cat-tail	<i>Typha spp.</i>	35
bulrush spp.	<i>Juncus spp.</i>	30
salt-bush	<i>Baccharis spp.</i>	25
sesbans	<i>Sesbania spp.</i>	25
bladderwort	<i>Utricularia foliosa</i>	25
red maple	<i>Acer rubrum</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
spatterdock	<i>Nuphar luteum</i>	10
swamp tupelo	<i>Nyssa sylvatica</i>	10
willow	<i>Salix spp.</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
sand cordgrass	<i>Spartina bakeri</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10
lemon bacopa	<i>Bacopa caroliniana</i>	5
yellow nut-grass*	<i>Cyperus esculentus</i>	5
leconte sedge	<i>Cyperus lecontei</i>	5
manyspike flatsedge	<i>Cyperus polystachyos</i>	5
shore rush	<i>Juncus marginatus</i>	5
American lotus	<i>Nelumbo lutea</i>	5

marsh fleabane	<i>Pluchea spp.</i>	5
fire flag	<i>Thalia geniculata</i>	5

# Butler / Orange

Aquatic plant data collected on June 21, 2011

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	2.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average width of emergent and floating-leaved zone (ft.)	144.6
Average lake depth (m)	3.2

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	95
stonewort	<i>Nitella spp.</i>	80
bald cypress	<i>Taxodium distichum</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	75
maidencane	<i>Panicum hemitomon</i>	75
duck-potato	<i>Sagittaria lancifolia</i>	75
water-pennywort	<i>Hydrocotyle umbellata</i>	65
pickerelweed	<i>Pontederia cordata</i>	50
cat-tail	<i>Typha spp.</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	40
tapegrass	<i>Vallisneria americana</i>	40
water primrose	<i>Ludwigia spp.</i>	35
Illinois pondweed	<i>Potamogeton illinoensis</i>	25
willow	<i>Salix spp.</i>	25
baby-tears	<i>Micranthemum umbrosum</i>	15
wax myrtle	<i>Myrica cerifera</i>	15
spatterdock	<i>Nuphar luteum</i>	15
fragrant water-lily	<i>Nymphaea odorata</i>	15
sand cordgrass	<i>Spartina bakeri</i>	15
salt-bush	<i>Baccharis spp.</i>	10
coontail	<i>Ceratophyllum demersum</i>	10
red maple	<i>Acer rubrum</i>	5
lemon bacopa	<i>Bacopa caroliniana</i>	5
buttonbush	<i>Cephaelanthus occidentalis</i>	5
musk-grass	<i>Chara spp.</i>	5
soft rush	<i>Juncus effusus</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
dwarf arrowhead	<i>Sagittaria subulata</i>	5
Brazilian pepper*	<i>Schinus terebinthifolius</i>	5
giant bulrush	<i>Scirpus californicus</i>	5
bladderwort	<i>Utricularia foliosa</i>	5

# Butler / Orange

Aquatic plant data collected on July 31, 2012

Percent area covered with aquatic vegetation (PAC, %)	14.5
Percent of lake's volume filled with vegetation (PVI, %)	2.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	77.4
Average lake depth (m)	3.3

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	85
water-pennywort	<i>Hydrocotyle umbellata</i>	80
bald cypress	<i>Taxodium distichum</i>	80
maidencane	<i>Panicum hemitomon</i>	75
rush fuirena	<i>Fuirena scirpoidea</i>	70
Illinois pondweed	<i>Potamogeton illinoensis</i>	65
duck-potato	<i>Sagittaria lancifolia</i>	65
pickerelweed	<i>Pontederia cordata</i>	45
cat-tail	<i>Typha spp.</i>	40
water primrose	<i>Ludwigia spp.</i>	35
willow	<i>Salix spp.</i>	35
flatsedge	<i>Cyperus odoratus</i>	30
baby-tears	<i>Micranthemum umbrosum</i>	30
red maple	<i>Acer rubrum</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	15
buttonbush	<i>Cephalanthus occidentalis</i>	15
southern naiad	<i>Najas guadalupensis</i>	15
giant bulrush	<i>Scirpus californicus</i>	15
sesbans	<i>Sesbania spp.</i>	15
sand cordgrass	<i>Spartina bakeri</i>	15
sawgrass	<i>Cladium jamaicense</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
common salvinia	<i>Salvinia minima</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10
tapegrass	<i>Vallisneria americana</i>	10
canna	<i>Canna spp.</i>	5
leconte sedge	<i>Cyperus lecontei</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
melaleuca*	<i>Melaleuca quinquenervia</i>	5
spatterdock	<i>Nuphar luteum</i>	5
swamp bay	<i>Persea palustris</i>	5
smartweed	<i>Polygonum hydropiperoides</i>	5
Brazilian pepper*	<i>Schinus terebinthifolius</i>	5

# Carlton / Orange

Aquatic plant data collected on July 27, 1999

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	3.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average width of emergent and floating-leaved zone (ft.)	39.0
Average lake depth (m)	3.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	90
Egyptian paspalidium	<i>Paspalidium geminatum</i>	80
tapegrass	<i>Vallisneria americana</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	70
water primrose	<i>Ludwigia spp.</i>	50
torpedograss*	<i>Panicum repens</i>	40
bald cypress	<i>Taxodium distichum</i>	40
red maple	<i>Acer rubrum</i>	30
willow	<i>Salix spp.</i>	30
para grass*	<i>Urochloa mutica</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
spatterdock	<i>Nuphar luteum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
seashore marsh-mallow	<i>Kosteletzkyva virginica</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# Cay Dee / Orange

Aquatic plant data collected on August 18, 1992

Percent area covered with aquatic vegetation (PAC, %)	12.0
Percent of lake's volume filled with vegetation (PVI, %)	2.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average width of emergent and floating-leaved zone (ft.)	11.2
Average lake depth (m)	3.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
musk-grass	<i>Chara spp.</i>	100
spatterdock	<i>Nuphar luteum</i>	40
torpedograss*	<i>Panicum repens</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	20
banana-lily	<i>Nymphoides aquatica</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# **Clear / Orange**

Aquatic plant data collected on June 13, 1991

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	.
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	.
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	.
Average width of emergent and floating-leaved zone (ft.)	.
Average lake depth (m)	4.4

Frequency that plant species occur in . evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
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# Clear / Orange

Aquatic plant data collected on July 21, 1994

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	1.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	17.0
Average lake depth (m)	3.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
elephant-ear*	<i>Colocasia esculenta</i>	70
wax myrtle	<i>Myrica cerifera</i>	70
water primrose	<i>Ludwigia spp.</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
bald cypress	<i>Taxodium distichum</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
torpedograss*	<i>Panicum repens</i>	50
Illinois pondweed	<i>Potamogeton illinoensis</i>	50
willow	<i>Salix spp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	30
cat-tail	<i>Typha spp.</i>	30
maidencane	<i>Panicum hemitomon</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Concord / Orange

Aquatic plant data collected on June 10, 1993

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	9.2
Average lake depth (m)	5.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	50
water primrose	<i>Ludwigia spp.</i>	40
maidencane	<i>Panicum hemitomon</i>	40
red-root flatsedge	<i>Cyperus erythrorhizos</i>	30
willow	<i>Salix spp.</i>	30
cat-tail	<i>Typha spp.</i>	30
elderberry	<i>Sambucus canadensis</i>	20
bald cypress	<i>Taxodium distichum</i>	20
salt-bush	<i>Baccharis spp.</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
soft rush	<i>Juncus effusus</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
soft stem bulrush	<i>Scirpus validus</i>	10

# Concord / Orange

Aquatic plant data collected on July 26, 1994

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	0.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	8.3
Average lake depth (m)	5.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
water primrose	<i>Ludwigia spp.</i>	60
torpedograss*	<i>Panicum repens</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	20
willow	<i>Salix spp.</i>	20
cat-tail	<i>Typha spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
elderberry	<i>Sambucus canadensis</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Conway North / Orange

Aquatic plant data collected on July 5, 1994

Percent area covered with aquatic vegetation (PAC, %)	36.7
Percent of lake's volume filled with vegetation (PVI, %)	4.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average width of emergent and floating-leaved zone (ft.)	82.0
Average lake depth (m)	5.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	80
torpedograss*	<i>Panicum repens</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
cat-tail	<i>Typha spp.</i>	70
stonewort	<i>Nitella spp.</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
water primrose	<i>Ludwigia spp.</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
tapegrass	<i>Vallisneria americana</i>	50
melaleuca*	<i>Melaleuca quinquenervia</i>	40
maidencane	<i>Panicum hemitomon</i>	40
wax myrtle	<i>Myrica cerifera</i>	30
.	<i>Nitella prolunga</i>	30
respuinata bladderwort	<i>Utricularia resupinata</i>	30
coontail	<i>Ceratophyllum demersum</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
willow	<i>Salix spp.</i>	20
bacopa	<i>Bacopa monnieri</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
spatterdock	<i>Nuphar luteum</i>	10
common salvinia	<i>Salvinia minima</i>	10
elderberry	<i>Sambucus canadensis</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10

# Conway North / Orange

Aquatic plant data collected on June 15, 1999

Percent area covered with aquatic vegetation (PAC, %)	42.0
Percent of lake's volume filled with vegetation (PVI, %)	9.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average width of emergent and floating-leaved zone (ft.)	66.6
Average lake depth (m)	4.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
cat-tail	<i>Typha spp.</i>	70
Illinois pondweed	<i>Potamogeton illinoensis</i>	60
water primrose	<i>Ludwigia spp.</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
hydrilla*	<i>Hydrilla verticillata</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
tapegrass	<i>Vallisneria americana</i>	20
bacopa	<i>Bacopa monnieri</i>	10
coontail	<i>Ceratophyllum demersum</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
stonewort	<i>Nitella spp.</i>	10
spatterdock	<i>Nuphar luteum</i>	10
maidencane	<i>Panicum hemitomon</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10

# Conway North / Orange

Aquatic plant data collected on July 17, 2001

Percent area covered with aquatic vegetation (PAC, %)	30.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average width of emergent and floating-leaved zone (ft.)	10.0
Average lake depth (m)	5.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
musk-grass	<i>Chara spp.</i>	60
rush fuirena	<i>Fuirena cirpoidea</i>	60
torpedograss*	<i>Panicum repens</i>	60
tapegrass	<i>Vallisneria americana</i>	50
cat-tail	<i>Typha spp.</i>	40
flatsedge	<i>Cyperus odoratus</i>	30
flat sedge spp.	<i>Cyperus spp.</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
coontail	<i>Ceratophyllum demersum</i>	20
green algae	<i>Chlorphyta</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
stonewort	<i>Nitella spp.</i>	20
maidencane	<i>Panicum hemitomon</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
bacopa	<i>Bacopa monnieri</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
Walter's-millet	<i>Echinochloa walteri</i>	10

# Conway North / Orange

Aquatic plant data collected on June 25, 2003

Percent area covered with aquatic vegetation (PAC, %)	56.0
Percent of lake's volume filled with vegetation (PVI, %)	4.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average width of emergent and floating-leaved zone (ft.)	42.1
Average lake depth (m)	5.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
tapegrass	<i>Vallisneria americana</i>	100
stonewort	<i>Nitella spp.</i>	80
torpedograss*	<i>Panicum repens</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
hydrilla*	<i>Hydrilla verticillata</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
respuinata bladderwort	<i>Utricularia resupinata</i>	50
water primrose	<i>Ludwigia spp.</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
cat-tail	<i>Typha spp.</i>	40
green algae	<i>Chlorphyta</i>	30
spikerushes	<i>Eleocharis spp.</i>	30
Manatee mudflower	<i>Micranthemum glomeratum</i>	30
maidencane	<i>Panicum hemitomon</i>	30
willow	<i>Salix spp.</i>	30
purple bladderwort	<i>Utricularia purpurea</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
common salvinia	<i>Salvinia minima</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
coontail	<i>Ceratophyllum demersum</i>	10
musk-grass	<i>Chara spp.</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
.	<i>Lyngbya spp.</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
sago pondweed	<i>Potamogeton pectinatus</i>	10
elderberry	<i>Sambucus canadensis</i>	10
cypress spp.	<i>Taxodium spp.</i>	10

# Conway North / Orange

Aquatic plant data collected on May 24, 2005

Percent area covered with aquatic vegetation (PAC, %)	44.0
Percent of lake's volume filled with vegetation (PVI, %)	8.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	31.0
Average lake depth (m)	6.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
water-pennywort	<i>Hydrocotyle umbellata</i>	80
torpedograss*	<i>Panicum repens</i>	80
tapegrass	<i>Vallisneria americana</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	40
stonewort	<i>Nitella spp.</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
maidencane	<i>Panicum hemitomon</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
cat-tail	<i>Typha spp.</i>	20
bladderwort	<i>Utricularia foliosa</i>	20
bacopa	<i>Bacopa monnieri</i>	10
musk-grass	<i>Chara spp.</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
water primrose	<i>Ludwigia spp.</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
American cupscale	<i>Sacciolepis striata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
willow	<i>Salix spp.</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10

# Conway North / Orange

Aquatic plant data collected on June 19, 2007

Percent area covered with aquatic vegetation (PAC, %)	30.0
Percent of lake's volume filled with vegetation (PVI, %)	1.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	36.5
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	100
torpedograss*	<i>Panicum repens</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	60
dwarf arrowhead	<i>Sagittaria subulata</i>	50
cat-tail	<i>Typha spp.</i>	50
stonewort	<i>Nitella spp.</i>	40
coontail	<i>Ceratophyllum demersum</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	30
maidencane	<i>Panicum hemitomon</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
water primrose	<i>Ludwigia spp.</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
fanwort	<i>Cabomba caroliniana</i>	10
spatterdock	<i>Nuphar luteum</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# Conway North / Orange

Aquatic plant data collected on July 8, 2009

Percent area covered with aquatic vegetation (PAC, %)	40.0
Percent of lake's volume filled with vegetation (PVI, %)	6.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average width of emergent and floating-leaved zone (ft.)	58.8
Average lake depth (m)	5.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
.	<i>Nitella prolonga</i>	100
torpedograss*	<i>Panicum repens</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	70
stonewort	<i>Nitella spp.</i>	70
tapegrass	<i>Vallisneria americana</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	30
water primrose	<i>Ludwigia spp.</i>	30
cat-tail	<i>Typha spp.</i>	30
manyspike flatsedge	<i>Cyperus polystachyos</i>	20
flat sedge spp.	<i>Cyperus spp.</i>	20
tropical flatsedge	<i>Cyperus surinamensis</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
yellow nut-grass*	<i>Cyperus esculentus</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
bald cypress	<i>Taxodium distichum</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Conway North / Orange

Aquatic plant data collected on June 22, 2011

Percent area covered with aquatic vegetation (PAC, %)	54.0
Percent of lake's volume filled with vegetation (PVI, %)	5.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average width of emergent and floating-leaved zone (ft.)	64.8
Average lake depth (m)	4.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
tapegrass	<i>Vallisneria americana</i>	90
torpedograss*	<i>Panicum repens</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	70
dwarf arrowhead	<i>Sagittaria subulata</i>	70
stonewort	<i>Nitella spp.</i>	60
flatsedge	<i>Cyperus odoratus</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
cat-tail	<i>Typha spp.</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
water primrose	<i>Ludwigia spp.</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
willow	<i>Salix spp.</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Conway North / Orange

Aquatic plant data collected on July 30, 2012

Percent area covered with aquatic vegetation (PAC, %)	42.0
Percent of lake's volume filled with vegetation (PVI, %)	9.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average width of emergent and floating-leaved zone (ft.)	77.7
Average lake depth (m)	5.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
water-pennywort	<i>Hydrocotyle umbellata</i>	90
torpedograss*	<i>Panicum repens</i>	90
tapegrass	<i>Vallisneria americana</i>	90
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
stonewort	<i>Nitella spp.</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	40
water primrose	<i>Ludwigia spp.</i>	40
bald cypress	<i>Taxodium distichum</i>	40
maidencane	<i>Panicum hemitomon</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
cat-tail	<i>Typha spp.</i>	20
coontail	<i>Ceratophyllum demersum</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
.	<i>Nitella prolonga</i>	10
willow	<i>Salix spp.</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Conway South / Orange

Aquatic plant data collected on June 8, 1993

Percent area covered with aquatic vegetation (PAC, %)	46.0
Percent of lake's volume filled with vegetation (PVI, %)	4.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average width of emergent and floating-leaved zone (ft.)	81.6
Average lake depth (m)	4.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
torpedograss*	<i>Panicum repens</i>	80
water primrose	<i>Ludwigia spp.</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	70
cat-tail	<i>Typha spp.</i>	70
green fanwort	<i>Cabomba caroliniana var. multipartita</i>	50
green algae	<i>Chlorphyta</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
willow	<i>Salix spp.</i>	50
tapegrass	<i>Vallisneria americana</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
floating water-hyacinth*	<i>Eichhornia crassipes</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
elderberry	<i>Sambucus canadensis</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	30
maidencane	<i>Panicum hemitomon</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
soft rush	<i>Juncus effusus</i>	20
spatterdock	<i>Nuphar luteum</i>	20
salt-bush	<i>Baccharis spp.</i>	10
Australian pine*	<i>Casuarina equisetifolia</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
common salvinia	<i>Salvinia minima</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# Conway South / Orange

Aquatic plant data collected on July 5, 1994

Percent area covered with aquatic vegetation (PAC, %)	50.6
Percent of lake's volume filled with vegetation (PVI, %)	9.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average width of emergent and floating-leaved zone (ft.)	28.1
Average lake depth (m)	5.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	100
rush fuirena	<i>Fuirena scirpoidea</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
pickerelweed	<i>Pontederia cordata</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	60
water primrose	<i>Ludwigia spp.</i>	60
green algae	<i>Chlorphyta</i>	50
.	<i>Nitella prolonga</i>	40
cat-tail	<i>Typha spp.</i>	40
tapegrass	<i>Vallisneria americana</i>	40
stonewort	<i>Nitella spp.</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
maidencane	<i>Panicum hemitomon</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
common salvinia	<i>Salvinia minima</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# Conway South / Orange

Aquatic plant data collected on June 15, 1999

Percent area covered with aquatic vegetation (PAC, %)	74.0
Percent of lake's volume filled with vegetation (PVI, %)	16.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average width of emergent and floating-leaved zone (ft.)	48.0
Average lake depth (m)	4.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	90
tapegrass	<i>Vallisneria americana</i>	70
cat-tail	<i>Typha spp.</i>	50
pickerelweed	<i>Pontederia cordata</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
water primrose	<i>Ludwigia spp.</i>	30
maidencane	<i>Panicum hemitomon</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
flat sedge spp.	<i>Cyperus spp.</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
coontail	<i>Ceratophyllum demersum</i>	10
musk-grass	<i>Chara spp.</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
.	<i>Nitella prolonga</i>	10
stonewort	<i>Nitella spp.</i>	10
spatterdock	<i>Nuphar luteum</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
willow	<i>Salix spp.</i>	10
common salvinia	<i>Salvinia minima</i>	10

# Conway South / Orange

Aquatic plant data collected on August 7, 2001

Percent area covered with aquatic vegetation (PAC, %)	68.0
Percent of lake's volume filled with vegetation (PVI, %)	11.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	27.2
Average width of emergent and floating-leaved zone (ft.)	24.5
Average lake depth (m)	5.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
tapegrass	<i>Vallisneria americana</i>	90
torpedograss*	<i>Panicum repens</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	60
hydrilla*	<i>Hydrilla verticillata</i>	50
water primrose	<i>Ludwigia spp.</i>	50
flatsedge	<i>Cyperus odoratus</i>	40
stonewort	<i>Nitella spp.</i>	40
common salvinia	<i>Salvinia minima</i>	40
baby-tears	<i>Micranthemum umbrosum</i>	30
cat-tail	<i>Typha spp.</i>	30
bacopa	<i>Bacopa monnieri</i>	20
musk-grass	<i>Chara spp.</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
salt-bush	<i>Baccharis spp.</i>	10
coontail	<i>Ceratophyllum demersum</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
umbrella-grass	<i>Fuirena squarrosa</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
maidencane	<i>Panicum hemitomon</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Conway South / Orange

Aquatic plant data collected on June 25, 2003

Percent area covered with aquatic vegetation (PAC, %)	62.0
Percent of lake's volume filled with vegetation (PVI, %)	5.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average width of emergent and floating-leaved zone (ft.)	52.4
Average lake depth (m)	5.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	80
torpedograss*	<i>Panicum repens</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	60
stonewort	<i>Nitella spp.</i>	60
cat-tail	<i>Typha spp.</i>	40
bacopa	<i>Bacopa monnieri</i>	30
coontail	<i>Ceratophyllum demersum</i>	30
spikerushes	<i>Eleocharis spp.</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
water primrose	<i>Ludwigia spp.</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
respuinata bladderwort	<i>Utricularia resupinata</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
green algae	<i>Chlorphyta</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
spatterdock	<i>Nuphar luteum</i>	10
maidencane	<i>Panicum hemitomon</i>	10
willow	<i>Salix spp.</i>	10

# Conway South / Orange

Aquatic plant data collected on May 24, 2005

Percent area covered with aquatic vegetation (PAC, %)	68.0
Percent of lake's volume filled with vegetation (PVI, %)	10.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	41.0
Average lake depth (m)	5.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	90
torpedograss*	<i>Panicum repens</i>	90
tapegrass	<i>Vallisneria americana</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	60
stonewort	<i>Nitella spp.</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
baby-tears	<i>Micranthemum umbrosum</i>	20
willow	<i>Salix spp.</i>	20
cat-tail	<i>Typha spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
maidencane	<i>Panicum hemitomon</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Conway South / Orange

Aquatic plant data collected on June 19, 2007

Percent area covered with aquatic vegetation (PAC, %)	33.0
Percent of lake's volume filled with vegetation (PVI, %)	4.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average width of emergent and floating-leaved zone (ft.)	13.7
Average lake depth (m)	4.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
tapegrass	<i>Vallisneria americana</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	70
stonewort	<i>Nitella spp.</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
Manatee mudflower	<i>Micranthemum glomeratum</i>	20
maidencane	<i>Panicum hemitomon</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
cat-tail	<i>Typha spp.</i>	20
horned bladderwort	<i>Utricularia cornuta</i>	20
leconte sedge	<i>Cyperus lecontei</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
water primrose	<i>Ludwigia spp.</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
spatterdock	<i>Nuphar luteum</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10

# Conway South / Orange

Aquatic plant data collected on July 8, 2009

Percent area covered with aquatic vegetation (PAC, %)	57.0
Percent of lake's volume filled with vegetation (PVI, %)	9.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average width of emergent and floating-leaved zone (ft.)	51.9
Average lake depth (m)	5.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
torpedograss*	<i>Panicum repens</i>	90
stonewort	<i>Nitella spp.</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
tapegrass	<i>Vallisneria americana</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
cat-tail	<i>Typha spp.</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
leconte sedge	<i>Cyperus lecontei</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
water primrose	<i>Ludwigia spp.</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
yellow nut-grass*	<i>Cyperus esculentus</i>	10
manyspike flatsedge	<i>Cyperus polystachyos</i>	10
flat sedge spp.	<i>Cyperus spp.</i>	10
tropical flatsedge	<i>Cyperus surinamensis</i>	10
barnyard grass*	<i>Echinochloa crusgalli</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
.	<i>Nitella prolunga</i>	10
spatterdock	<i>Nuphar luteum</i>	10
maidencane	<i>Panicum hemitomon</i>	10
three-square	<i>Scirpus americanus</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Conway South / Orange

Aquatic plant data collected on June 22, 2011

Percent area covered with aquatic vegetation (PAC, %)	75.0
Percent of lake's volume filled with vegetation (PVI, %)	5.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average width of emergent and floating-leaved zone (ft.)	40.8
Average lake depth (m)	4.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
torpedograss*	<i>Panicum repens</i>	90
tapegrass	<i>Vallisneria americana</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	80
stonewort	<i>Nitella spp.</i>	70
slender spikerush	<i>Eleocharis baldwinii</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
pickerelweed	<i>Pontederia cordata</i>	40
dwarf arrowhead	<i>Sagittaria subulata</i>	40
southern naiad	<i>Najas guadalupensis</i>	30
maidencane	<i>Panicum hemitomon</i>	20
cat-tail	<i>Typha spp.</i>	20
coontail	<i>Ceratophyllum demersum</i>	10
musk-grass	<i>Chara spp.</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Conway South / Orange

Aquatic plant data collected on July 30, 2012

Percent area covered with aquatic vegetation (PAC, %)	37.0
Percent of lake's volume filled with vegetation (PVI, %)	8.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	37.5
Average lake depth (m)	4.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
water-pennywort	<i>Hydrocotyle umbellata</i>	100
torpedograss*	<i>Panicum repens</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
tapegrass	<i>Vallisneria americana</i>	90
rush fuirena	<i>Fuirena scirpoidea</i>	60
stonewort	<i>Nitella spp.</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
pickerelweed	<i>Pontederia cordata</i>	40
cat-tail	<i>Typha spp.</i>	40
water primrose	<i>Ludwigia spp.</i>	20
melaleuca*	<i>Melaleuca quinquenervia</i>	20
willow	<i>Salix spp.</i>	20
bald cypress	<i>Taxodium distichum</i>	20
flatsedge	<i>Cyperus odoratus</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
.	<i>Nitella prolonga</i>	10
maidencane	<i>Panicum hemitomon</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Davis / Orange

Aquatic plant data collected on August 6, 2003

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	0.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average width of emergent and floating-leaved zone (ft.)	22.3
Average lake depth (m)	1.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
alligator-weed*	<i>Alternanthera philoxeroides</i>	100
haspan flatsedge	<i>Cyperus haspan</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	100
torpedograss*	<i>Panicum repens</i>	100
water primrose	<i>Ludwigia spp.</i>	90
baby-tears	<i>Micranthemum umbrosum</i>	90
bald cypress	<i>Taxodium distichum</i>	90
giant bulrush	<i>Scirpus californicus</i>	70
short bristled umbrella grass	<i>Fuirena breviseta</i>	60
bacopa	<i>Bacopa monnieri</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	50
flat sedge spp.	<i>Cyperus spp.</i>	40
flatsedge	<i>Cyperus odoratus</i>	30
red ludwigia	<i>Ludwigia repens</i>	30
common duckweed	<i>Lemna minor</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
Iris	<i>Iris spp.</i>	10
southern water-grass	<i>Luziola fluitans</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10

# Down / Orange

Aquatic plant data collected on August 1, 2000

Percent area covered with aquatic vegetation (PAC, %)	.
Percent of lake's volume filled with vegetation (PVI, %)	.
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average width of emergent and floating-leaved zone (ft.)	55.0
Average lake depth (m)	.

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	80
maidencane	<i>Panicum hemitomon</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
stonewort	<i>Nitella spp.</i>	70
sawgrass	<i>Cladium jamaicense</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
cat-tail	<i>Typha spp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia spp.</i>	40
bog-moss	<i>Mayaca fluviatilis</i>	40
baby-tears	<i>Micranthemum umbrosum</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
southern naiad	<i>Najas guadalupensis</i>	40
willow	<i>Salix spp.</i>	40
bald cypress	<i>Taxodium distichum</i>	30
salt-bush	<i>Baccharis spp.</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
common salvinia	<i>Salvinia minima</i>	20
bladderwort	<i>Utricularia foliosa</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10
green algae	<i>Chlorphyta</i>	10
club-rush	<i>Eleocharis cellulosa</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
bladderwort family	<i>Lentibulariaceae</i>	10
southern water-grass	<i>Luziola fluitans</i>	10
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	10
spatterdock	<i>Nuphar luteum</i>	10
elderberry	<i>Sambucus canadensis</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Fairview / Orange

Aquatic plant data collected on June 11, 1992

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	.
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	.
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	.
Average width of emergent and floating-leaved zone (ft.)	.
Average lake depth (m)	3.6

Frequency that plant species occur in . evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
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# Fairview / Orange

Aquatic plant data collected on June 28, 1994

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average width of emergent and floating-leaved zone (ft.)	29.7
Average lake depth (m)	3.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	80
water primrose	<i>Ludwigia spp.</i>	60
cat-tail	<i>Typha spp.</i>	60
torpedograss*	<i>Panicum repens</i>	50
willow	<i>Salix spp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
respuinata bladderwort	<i>Utricularia resupinata</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
stonewort	<i>Nitella spp.</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# **Farrah / Orange**

Aquatic plant data collected on June 22, 1993

Percent area covered with aquatic vegetation (PAC, %)	36.0
Percent of lake's volume filled with vegetation (PVI, %)	3.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.4
Average width of emergent and floating-leaved zone (ft.)	10.5
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b><u>Common Name</u></b>	<b><u>Plant Species</u></b>	<b><u>Frequency (%)</u></b>
southern naiad	<i>Najas guadalupensis</i>	90
torpedograss*	<i>Panicum repens</i>	70
cat-tail	<i>Typha spp.</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia spp.</i>	40
spatterdock	<i>Nuphar luteum</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
green algae	<i>Chlorphyta</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
willow	<i>Salix spp.</i>	10

# Formosa / Orange

Aquatic plant data collected on June 17, 1992

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.4
Average width of emergent and floating-leaved zone (ft.)	11.6
Average lake depth (m)	3.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	90
torpedograss*	<i>Panicum repens</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	70
flatsedge	<i>Cyperus odoratus</i>	50
hydrilla*	<i>Hydrilla verticillata</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
giant bulrush	<i>Scirpus californicus</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
soft rush	<i>Juncus effusus</i>	10
spatterdock	<i>Nuphar luteum</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10

# Formosa / Orange

Aquatic plant data collected on August 7, 2003

Percent area covered with aquatic vegetation (PAC, %)	22.0
Percent of lake's volume filled with vegetation (PVI, %)	3.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.3
Average width of emergent and floating-leaved zone (ft.)	12.4
Average lake depth (m)	3.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
coontail	<i>Ceratophyllum demersum</i>	90
hydrilla*	<i>Hydrilla verticillata</i>	90
floating water-hyacinth*	<i>Eichhornia crassipes</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	80
torpedograss*	<i>Panicum repens</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
alligator-weed*	<i>Alternanthera philoxeroides</i>	70
haspan flatsedge	<i>Cyperus haspan</i>	70
water primrose	<i>Ludwigia spp.</i>	70
bacopa	<i>Bacopa monnieri</i>	60
cypress spp.	<i>Taxodium spp.</i>	60
umbrella sedge*	<i>Cyperus involucratus</i>	50
flatsedge	<i>Cyperus odoratus</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
tapegrass	<i>Vallisneria americana</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
leconte sedge	<i>Cyperus lecontei</i>	30
baby-tears	<i>Micranthemum umbrosum</i>	30
giant bulrush	<i>Scirpus californicus</i>	30
green algae	<i>Chlorphyta</i>	20
elderberry	<i>Sambucus canadensis</i>	20
flat sedge spp.	<i>Cyperus spp.</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
sweetbay	<i>Magnolia virginiana</i>	10
spatterdock	<i>Nuphar luteum</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
willow	<i>Salix spp.</i>	10
cat-tail	<i>Typha spp.</i>	10

# Fredrica / Orange

Aquatic plant data collected on June 22, 1993

Percent area covered with aquatic vegetation (PAC, %)	58.0
Percent of lake's volume filled with vegetation (PVI, %)	4.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	5.5
Average width of emergent and floating-leaved zone (ft.)	25.5
Average lake depth (m)	4.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	80
cat-tail	<i>Typha spp.</i>	70
coontail	<i>Ceratophyllum demersum</i>	60
water primrose	<i>Ludwigia spp.</i>	60
torpedograss*	<i>Panicum repens</i>	60
.	<i>Nitella prolonga</i>	40
willow	<i>Salix spp.</i>	30
green algae	<i>Chlorphyta</i>	20
sawgrass	<i>Cladium jamaicense</i>	20
elderberry	<i>Sambucus canadensis</i>	20
bald cypress	<i>Taxodium distichum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
spatterdock	<i>Nuphar luteum</i>	10
maidencane	<i>Panicum hemitomon</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10

# Gatlin / Orange

Aquatic plant data collected on June 16, 1999

Percent area covered with aquatic vegetation (PAC, %)	33.3
Percent of lake's volume filled with vegetation (PVI, %)	10.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.8
Average width of emergent and floating-leaved zone (ft.)	40.5
Average lake depth (m)	3.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
fragrant water-lily	<i>Nymphaea odorata</i>	90
torpedograss*	<i>Panicum repens</i>	70
water primrose	<i>Ludwigia spp.</i>	60
tapegrass	<i>Vallisneria americana</i>	60
cat-tail	<i>Typha spp.</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
spatterdock	<i>Nuphar luteum</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
willow	<i>Salix spp.</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
stonewort	<i>Nitella spp.</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Georgia / Orange

Aquatic plant data collected on May 27, 1992

Percent area covered with aquatic vegetation (PAC, %)	90.0
Percent of lake's volume filled with vegetation (PVI, %)	32.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.9
Average width of emergent and floating-leaved zone (ft.)	92.2
Average lake depth (m)	2.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	100
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	100
fragrant water-lily	<i>Nymphaea odorata</i>	100
Florida bladderwort	<i>Utricularia floridana</i>	100
pickerelweed	<i>Pontederia cordata</i>	90
bladderwort	<i>Utricularia foliosa</i>	90
purple bladderwort	<i>Utricularia purpurea</i>	90
torpedograss*	<i>Panicum repens</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
banana-lily	<i>Nymphaoides aquatica</i>	60
maidencane	<i>Panicum hemitomon</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia spp.</i>	30
red ludwigia	<i>Ludwigia repens</i>	20
spatterdock	<i>Nuphar luteum</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	10

# Hart / Orange

Aquatic plant data collected on June 23, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average width of emergent and floating-leaved zone (ft.)	441.7
Average lake depth (m)	2.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
spatterdock	<i>Nuphar luteum</i>	100
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	80
maidencane	<i>Panicum hemitomon</i>	70
giant bulrush	<i>Scirpus californicus</i>	70
cat-tail	<i>Typha spp.</i>	70
slender spikerush	<i>Eleocharis baldwinii</i>	40
banana-lily	<i>Nymphaoides aquatica</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	30
common salvinia	<i>Salvinia minima</i>	20
musk-grass	<i>Chara spp.</i>	10
Baldwin flatsedge	<i>Cyperus globulosus</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Hiawassee / Orange

Aquatic plant data collected on June 3, 1992

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	3.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.9
Average width of emergent and floating-leaved zone (ft.)	120.7
Average lake depth (m)	3.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	100
baby-tears	<i>Micranthemum umbrosum</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	80
maidencane	<i>Panicum hemitomon</i>	80
torpedograss*	<i>Panicum repens</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
water primrose	<i>Ludwigia spp.</i>	40
banana-lily	<i>Nymphoides aquatica</i>	30
lemon bacopa	<i>Bacopa caroliniana</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
bog-moss	<i>Mayaca fluviatilis</i>	20
common salvinia	<i>Salvinia minima</i>	20
flatsedge	<i>Cyperus odoratus</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
spatterdock	<i>Nuphar luteum</i>	10
pickerelweed	<i>Pontederia cordata</i>	10

# Hickorynut / Orange

Aquatic plant data collected on August 8, 1991

Percent area covered with aquatic vegetation (PAC, %)	68.0
Percent of lake's volume filled with vegetation (PVI, %)	23.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average width of emergent and floating-leaved zone (ft.)	89.4
Average lake depth (m)	3.1

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	90
banana-lily	<i>Nymphaoides aquatica</i>	75
stonewort	<i>Nitella spp.</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	65
pickerelweed	<i>Pontederia cordata</i>	65
maidencane	<i>Panicum hemitomon</i>	60
spatterdock	<i>Nuphar luteum</i>	55
cat-tail	<i>Typha spp.</i>	35
slender spikerush	<i>Eleocharis baldwinii</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
bog-moss	<i>Mayaca fluviatilis</i>	25
bladderwort	<i>Utricularia foliosa</i>	25
lemon bacopa	<i>Bacopa caroliniana</i>	15
pipewort	<i>Eriocaulon spp.</i>	5
red root	<i>Lachnanthes caroliniana</i>	5
southern cutgrass	<i>Leersia hexandra</i>	5

# Hickorynut / Orange

Aquatic plant data collected on June 11, 1992

Percent area covered with aquatic vegetation (PAC, %)	40.0
Percent of lake's volume filled with vegetation (PVI, %)	7.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	5.8
Average width of emergent and floating-leaved zone (ft.)	73.3
Average lake depth (m)	2.9

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	90
stonewort	<i>Nitella spp.</i>	85
duck-potato	<i>Sagittaria lancifolia</i>	80
St. John's wort	<i>Hypericum spp.</i>	55
maidencane	<i>Panicum hemitomon</i>	55
pickerelweed	<i>Pontederia cordata</i>	55
buttonbush	<i>Cephalanthus occidentalis</i>	35
fragrant water-lily	<i>Nymphaea odorata</i>	35
cat-tail	<i>Typha spp.</i>	35
bog-moss	<i>Mayaca fluviatilis</i>	30
banana-lily	<i>Nymphaoides aquatica</i>	30
red root	<i>Lachnanthes caroliniana</i>	25
southern cutgrass	<i>Leersia hexandra</i>	25
water primrose	<i>Ludwigia spp.</i>	25
sawgrass	<i>Cladium jamaicense</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
spatterdock	<i>Nuphar luteum</i>	15
willow	<i>Salix spp.</i>	15
bladderwort	<i>Utricularia foliosa</i>	15
yellow-eyed grass	<i>Xyris spp.</i>	15
haspan flatsedge	<i>Cyperus haspan</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
Tracy's beaksedge	<i>Rhynchospora tracyi</i>	10
forked rush	<i>Juncus dichotomus</i>	5
smartweed	<i>Polygonum hydropiperoides</i>	5
dwarf arrowhead	<i>Sagittaria subulata</i>	5

# Hickorynut / Orange

Aquatic plant data collected on August 15, 1996

Percent area covered with aquatic vegetation (PAC, %)	54.0
Percent of lake's volume filled with vegetation (PVI, %)	5.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average width of emergent and floating-leaved zone (ft.)	94.9
Average lake depth (m)	3.8

Frequency that plant species occur in 13 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	100
stonewort	<i>Nitella spp.</i>	100
duck-potato	<i>Sagittaria lancifolia</i>	92
buttonbush	<i>Cephalanthus occidentalis</i>	85
red ludwigia	<i>Ludwigia repens</i>	77
wax myrtle	<i>Myrica cerifera</i>	77
lemon bacopa	<i>Bacopa caroliniana</i>	69
banana-lily	<i>Nymphaoides aquatica</i>	69
water-pennywort	<i>Hydrocotyle umbellata</i>	62
fragrant water-lily	<i>Nymphaea odorata</i>	62
maidencane	<i>Panicum hemitomon</i>	54
smartweed	<i>Polygonum hydropiperoides</i>	54
pickerelweed	<i>Pontederia cordata</i>	54
St. John's wort	<i>Hypericum spp.</i>	31
water spinach*	<i>Ipomoea aquatica</i>	31
manyhead rush	<i>Juncus polyccephalus</i>	31
water primrose	<i>Ludwigia spp.</i>	31
willow	<i>Salix spp.</i>	31
haspan flatsedge	<i>Cyperus haspan</i>	23
bog-moss	<i>Mayaca fluviatilis</i>	15
cat-tail	<i>Typha spp.</i>	15
alligator-weed*	<i>Alternanthera philoxeroides</i>	8
.	<i>Cyperus elegans</i>	8
umbrella sedge*	<i>Cyperus involucratus</i>	8
spatterdock	<i>Nuphar luteum</i>	8
torpedograss*	<i>Panicum repens</i>	8
bladderwort	<i>Utricularia foliosa</i>	8
cone-spur bladderwort	<i>Utricularia gibba</i>	8
respuinata bladderwort	<i>Utricularia resupinata</i>	8

# Hickorynut South / Orange

Aquatic plant data collected on August 15, 1996

Percent area covered with aquatic vegetation (PAC, %)	54.0
Percent of lake's volume filled with vegetation (PVI, %)	5.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.1
Average width of emergent and floating-leaved zone (ft.)	160.0
Average lake depth (m)	3.8

Frequency that plant species occur in 2 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
buttonbush	<i>Cephalanthus occidentalis</i>	100
stonewort	<i>Nitella spp.</i>	100
fragrant water-lily	<i>Nymphaea odorata</i>	100
banana-lily	<i>Nymphoides aquatica</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
bladderwort	<i>Utricularia foliosa</i>	100
sawgrass	<i>Cladium jamaicense</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	50
water primrose	<i>Ludwigia spp.</i>	50
wax myrtle	<i>Myrica cerifera</i>	50
maidencane	<i>Panicum hemitomon</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
willow	<i>Salix spp.</i>	50
cone-spur bladderwort	<i>Utricularia gibba</i>	50

# Highland / Orange

Aquatic plant data collected on June 22, 1993

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	2.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	12.7
Average lake depth (m)	3.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
elephant-ear*	<i>Colocasia esculenta</i>	50
soft stem bulrush	<i>Scirpus validus</i>	50
bald cypress	<i>Taxodium distichum</i>	50
tapegrass	<i>Vallisneria americana</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
spatterdock	<i>Nuphar luteum</i>	30
cat-tail	<i>Typha spp.</i>	20
para grass*	<i>Urochloa mutica</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	10
water primrose	<i>Ludwigia spp.</i>	10
torpedograss*	<i>Panicum repens</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
willow	<i>Salix spp.</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# Highland / Orange

Aquatic plant data collected on August 9, 1994

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	1.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average width of emergent and floating-leaved zone (ft.)	11.6
Average lake depth (m)	3.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
elephant-ear*	<i>Coccosia esculenta</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	40
bald cypress	<i>Taxodium distichum</i>	40
spatterdock	<i>Nuphar luteum</i>	30
willow	<i>Salix spp.</i>	30
giant bulrush	<i>Scirpus californicus</i>	30
tapegrass	<i>Vallisneria americana</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
common duckweed	<i>Lemna minor</i>	10
water primrose	<i>Ludwigia spp.</i>	10
maidencane	<i>Panicum hemitomon</i>	10
torpedograss*	<i>Panicum repens</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
cat-tail	<i>Typha spp.</i>	10

# Highland / Orange

Aquatic plant data collected on August 7, 2003

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	5.5
Average width of emergent and floating-leaved zone (ft.)	25.3
Average lake depth (m)	3.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
tapegrass	<i>Vallisneria americana</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	70
elephant-ear*	<i>Colocasia esculenta</i>	60
spatterdock	<i>Nuphar luteum</i>	50
bald cypress	<i>Taxodium distichum</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
haspan flatsedge	<i>Cyperus haspan</i>	40
water primrose	<i>Ludwigia spp.</i>	40
southern naiad	<i>Najas guadalupensis</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
bacopa	<i>Bacopa monnieri</i>	10
umbrella sedge*	<i>Cyperus involucratus</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
large-headed rush	<i>Juncus megacephalus</i>	10
common duckweed	<i>Lemna minor</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
maidencane	<i>Panicum hemitomon</i>	10
cat-tail	<i>Typha spp.</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Holden / Orange

Aquatic plant data collected on June 3, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	5.3
Average lake depth (m)	3.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	30
water primrose	<i>Ludwigia spp.</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	20
cat-tail	<i>Typha spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
willow	<i>Salix spp.</i>	10

# Holden / Orange

Aquatic plant data collected on June 22, 2006

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	36.0
Average lake depth (m)	3.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	100
tapegrass	<i>Vallisneria americana</i>	80
water primrose	<i>Ludwigia spp.</i>	70
leconte sedge	<i>Cyperus lecontei</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
giant bulrush	<i>Scirpus californicus</i>	50
cat-tail	<i>Typha spp.</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
willow	<i>Salix spp.</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
bacopa	<i>Bacopa monnieri</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
bald cypress	<i>Taxodium distichum</i>	20
red maple	<i>Acer rubrum</i>	10
green algae	<i>Chlorphyta</i>	10
umbrella sedge*	<i>Cyperus involucratus</i>	10
club-rush	<i>Eleocharis cellulosa</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
common duckweed	<i>Lemna minor</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
Manatee mudflower	<i>Micranthemum glomeratum</i>	10
American lotus	<i>Nelumbo lutea</i>	10
stonewort	<i>Nitella spp.</i>	10
spatterdock	<i>Nuphar luteum</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10

# Ivanhoe / Orange

Aquatic plant data collected on June 28, 1994

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	1.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average width of emergent and floating-leaved zone (ft.)	9.5
Average lake depth (m)	3.9

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	67
elephant-ear*	<i>Colocasia esculenta</i>	60
tapegrass	<i>Vallisneria americana</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
wax myrtle	<i>Myrica cerifera</i>	33
torpedograss*	<i>Panicum repens</i>	33
willow	<i>Salix spp.</i>	27
water primrose	<i>Ludwigia spp.</i>	20
spatterdock	<i>Nuphar luteum</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	13
maidencane	<i>Panicum hemitomon</i>	13
soft rush	<i>Juncus effusus</i>	7
cat-tail	<i>Typha spp.</i>	7

# Ivanhoe East / Orange

Aquatic plant data collected on June 9, 1993

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	2.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average width of emergent and floating-leaved zone (ft.)	3.9
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	90
elephant-ear*	<i>Colocasia esculenta</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	80
torpedograss*	<i>Panicum repens</i>	80
tapegrass	<i>Vallisneria americana</i>	70
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
pickerelweed	<i>Pontederia cordata</i>	30
giant bulrush	<i>Scirpus californicus</i>	30
wax myrtle	<i>Myrica cerifera</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	10
water primrose	<i>Ludwigia spp.</i>	10
maidencane	<i>Panicum hemitomon</i>	10
willow	<i>Salix spp.</i>	10
elderberry	<i>Sambucus canadensis</i>	10
cat-tail	<i>Typha spp.</i>	10

# Ivanhoe East / Orange

Aquatic plant data collected on June 3, 1999

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	1.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	7.9
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	90
bald cypress	<i>Taxodium distichum</i>	80
maidencane	<i>Panicum hemitomon</i>	70
elephant-ear*	<i>Colocasia esculenta</i>	50
pickerelweed	<i>Pontederia cordata</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
water primrose	<i>Ludwigia spp.</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
torpedograss*	<i>Panicum repens</i>	20
elderberry	<i>Sambucus canadensis</i>	20
salt-bush	<i>Baccharis spp.</i>	10
musk-grass	<i>Chara spp.</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
willow	<i>Salix spp.</i>	10

# Ivanhoe East / Orange

Aquatic plant data collected on July 18, 2001

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	9.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average width of emergent and floating-leaved zone (ft.)	9.5
Average lake depth (m)	4.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	80
tapegrass	<i>Vallisneria americana</i>	70
elephant-ear*	<i>Colocasia esculenta</i>	60
torpedograss*	<i>Panicum repens</i>	60
giant bulrush	<i>Scirpus californicus</i>	50
maidencane	<i>Panicum hemitomon</i>	40
water primrose	<i>Ludwigia spp.</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
willow	<i>Salix spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
cat-tail	<i>Typha spp.</i>	10

# Ivanhoe East / Orange

Aquatic plant data collected on June 24, 2003

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average width of emergent and floating-leaved zone (ft.)	16.2
Average lake depth (m)	4.0

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
elephant-ear*	<i>Colocasia esculenta</i>	80
cypress spp.	<i>Taxodium spp.</i>	60
tapegrass	<i>Vallisneria americana</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
maidencane	<i>Panicum hemitomon</i>	40
torpedograss*	<i>Panicum repens</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
haspan flatsedge	<i>Cyperus haspan</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20

# Ivanhoe East / Orange

Aquatic plant data collected on June 2, 2005

Percent area covered with aquatic vegetation (PAC, %)	32.0
Percent of lake's volume filled with vegetation (PVI, %)	8.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.8
Average width of emergent and floating-leaved zone (ft.)	16.8
Average lake depth (m)	4.6

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
southern naiad	<i>Najas guadalupensis</i>	80
bald cypress	<i>Taxodium distichum</i>	80
maidencane	<i>Panicum hemitomon</i>	60
torpedograss*	<i>Panicum repens</i>	60
green algae	<i>Chlorphyta</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
musk-grass	<i>Chara spp.</i>	20
water primrose	<i>Ludwigia spp.</i>	20
willow	<i>Salix spp.</i>	20

# Ivanhoe East / Orange

Aquatic plant data collected on June 20, 2007

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	0.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average width of emergent and floating-leaved zone (ft.)	15.0
Average lake depth (m)	4.3

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
bald cypress	<i>Taxodium distichum</i>	80
tapegrass	<i>Vallisneria americana</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	60
water primrose	<i>Ludwigia spp.</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
maidencane	<i>Panicum hemitomon</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
red maple	<i>Acer rubrum</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
flatsedge	<i>Cyperus odoratus</i>	20
common duckweed	<i>Lemna minor</i>	20
largeflower primrosewillow*	<i>Ludwigia grandiflora</i>	20
Illinois pondweed	<i>Potamogeton illinoensis</i>	20
cat-tail	<i>Typha spp.</i>	20
creeping oxeye*	<i>Wedelia trilobata</i>	20

# Ivanhoe East / Orange

Aquatic plant data collected on July 7, 2009

Percent area covered with aquatic vegetation (PAC, %)	7.0
Percent of lake's volume filled with vegetation (PVI, %)	0.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	11.8
Average width of emergent and floating-leaved zone (ft.)	52.8
Average lake depth (m)	4.8

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
bald cypress	<i>Taxodium distichum</i>	80
torpedograss*	<i>Panicum repens</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
maidencane	<i>Panicum hemitomon</i>	40
Brazilian pepper*	<i>Schinus terebinthifolius</i>	40
southern naiad	<i>Najas guadalupensis</i>	20
spatterdock	<i>Nuphar luteum</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
cat-tail	<i>Typha spp.</i>	20

# Ivanhoe Middle / Orange

Aquatic plant data collected on June 9, 1993

Percent area covered with aquatic vegetation (PAC, %)	50.0
Percent of lake's volume filled with vegetation (PVI, %)	8.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average width of emergent and floating-leaved zone (ft.)	10.5
Average lake depth (m)	3.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	70
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
wax myrtle	<i>Myrica cerifera</i>	50
torpedograss*	<i>Panicum repens</i>	50
tapegrass	<i>Vallisneria americana</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
yellow nut-grass*	<i>Cyperus esculentus</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
spatterdock	<i>Nuphar luteum</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
cat-tail	<i>Typha spp.</i>	20
Baldwin flatsedge	<i>Cyperus globulosus</i>	10
water primrose	<i>Ludwigia spp.</i>	10
elderberry	<i>Sambucus canadensis</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Ivanhoe Middle / Orange

Aquatic plant data collected on June 3, 1999

Percent area covered with aquatic vegetation (PAC, %)	25.5
Percent of lake's volume filled with vegetation (PVI, %)	6.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	24.7
Average lake depth (m)	3.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
giant bulrush	<i>Scirpus californicus</i>	70
bald cypress	<i>Taxodium distichum</i>	70
wax myrtle	<i>Myrica cerifera</i>	50
spatterdock	<i>Nuphar luteum</i>	50
torpedograss*	<i>Panicum repens</i>	30
willow	<i>Salix spp.</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
red maple	<i>Acer rubrum</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
water primrose	<i>Ludwigia spp.</i>	10
American lotus	<i>Nelumbo lutea</i>	10
Egyptian paspalidium	<i>Paspalidium geminatum</i>	10
cat-tail	<i>Typha spp.</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Ivanhoe Middle / Orange

Aquatic plant data collected on July 18, 2001

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average width of emergent and floating-leaved zone (ft.)	15.8
Average lake depth (m)	3.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
torpedograss*	<i>Panicum repens</i>	50
tapegrass	<i>Vallisneria americana</i>	50
spatterdock	<i>Nuphar luteum</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
willow	<i>Salix spp.</i>	30
maidencane	<i>Panicum hemitomon</i>	20
elderberry	<i>Sambucus canadensis</i>	20
American lotus	<i>Nelumbo lutea</i>	10
Egyptian paspalidium	<i>Paspalidium geminatum</i>	10

# Ivanhoe Middle / Orange

Aquatic plant data collected on June 24, 2003

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average width of emergent and floating-leaved zone (ft.)	28.2
Average lake depth (m)	3.7

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
cypress spp.	<i>Taxodium spp.</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
water primrose	<i>Ludwigia spp.</i>	60
wax myrtle	<i>Myrica cerifera</i>	60
willow	<i>Salix spp.</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
spatterdock	<i>Nuphar luteum</i>	40
tapegrass	<i>Vallisneria americana</i>	40
American lotus	<i>Nelumbo lutea</i>	20
pickerelweed	<i>Pontederia cordata</i>	20

# Ivanhoe Middle / Orange

Aquatic plant data collected on June 2, 2005

Percent area covered with aquatic vegetation (PAC, %)	42.0
Percent of lake's volume filled with vegetation (PVI, %)	11.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average width of emergent and floating-leaved zone (ft.)	30.5
Average lake depth (m)	4.0

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
southern naiad	<i>Najas guadalupensis</i>	80
wax myrtle	<i>Myrica cerifera</i>	60
willow	<i>Salix spp.</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
bald cypress	<i>Taxodium distichum</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
coontail	<i>Ceratophyllum demersum</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
water primrose	<i>Ludwigia spp.</i>	40
American lotus	<i>Nelumbo lutea</i>	40
torpedograss*	<i>Panicum repens</i>	40
elderberry	<i>Sambucus canadensis</i>	40
green algae	<i>Chlorphyta</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
common duckweed	<i>Lemna minor</i>	20
spatterdock	<i>Nuphar luteum</i>	20
maidencane	<i>Panicum hemitomon</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
Brazilian pepper*	<i>Schinus terebinthifolius</i>	20
fire flag	<i>Thalia geniculata</i>	20
cat-tail	<i>Typha spp.</i>	20

# Ivanhoe Middle / Orange

Aquatic plant data collected on June 20, 2007

Percent area covered with aquatic vegetation (PAC, %)	12.0
Percent of lake's volume filled with vegetation (PVI, %)	0.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average width of emergent and floating-leaved zone (ft.)	33.0
Average lake depth (m)	4.0

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	100
alligator-weed*	<i>Alternanthera philoxeroides</i>	80
torpedograss*	<i>Panicum repens</i>	80
giant bulrush	<i>Scirpus californicus</i>	80
bald cypress	<i>Taxodium distichum</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	60
coontail	<i>Ceratophyllum demersum</i>	40
water primrose	<i>Ludwigia spp.</i>	40
American lotus	<i>Nelumbo lutea</i>	40
spatterdock	<i>Nuphar luteum</i>	40
willow	<i>Salix spp.</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
giant duckweed	<i>Spirodela polyrhiza</i>	20
cat-tail	<i>Typha spp.</i>	20

# Ivanhoe Middle / Orange

Aquatic plant data collected on July 7, 2009

Percent area covered with aquatic vegetation (PAC, %)	35.0
Percent of lake's volume filled with vegetation (PVI, %)	11.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.8
Average width of emergent and floating-leaved zone (ft.)	51.6
Average lake depth (m)	4.5

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
bald cypress	<i>Taxodium distichum</i>	80
elephant-ear*	<i>Coccosia esculenta</i>	60
spatterdock	<i>Nuphar luteum</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
tapegrass	<i>Vallisneria americana</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia spp.</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
American lotus	<i>Nelumbo lutea</i>	20
torpedograss*	<i>Panicum repens</i>	20
Egyptian paspalidium	<i>Paspalidium gerinatum</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
Brazilian pepper*	<i>Schinus terebinthifolius</i>	20
cat-tail	<i>Typha spp.</i>	20

# Ivanhoe West / Orange

Aquatic plant data collected on June 9, 1993

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	1.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average width of emergent and floating-leaved zone (ft.)	18.4
Average lake depth (m)	4.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	80
tapegrass	<i>Vallisneria americana</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	70
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
yellow nut-grass*	<i>Cyperus esculentus</i>	30
spatterdock	<i>Nuphar luteum</i>	30
wax myrtle	<i>Myrica cerifera</i>	20
willow	<i>Salix spp.</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
soft rush	<i>Juncus effusus</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
cat-tail	<i>Typha spp.</i>	10

# Ivanhoe West / Orange

Aquatic plant data collected on June 3, 1999

Percent area covered with aquatic vegetation (PAC, %)	27.5
Percent of lake's volume filled with vegetation (PVI, %)	6.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	24.6
Average lake depth (m)	4.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
pickerelweed	<i>Pontederia cordata</i>	60
bald cypress	<i>Taxodium distichum</i>	60
spatterdock	<i>Nuphar luteum</i>	50
maidencane	<i>Panicum hemitomon</i>	50
giant bulrush	<i>Scirpus californicus</i>	40
wax myrtle	<i>Myrica cerifera</i>	20
willow	<i>Salix spp.</i>	20
tapegrass	<i>Vallisneria americana</i>	20
red maple	<i>Acer rubrum</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
umbrella sedge*	<i>Cyperus involucratus</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
torpedograss*	<i>Panicum repens</i>	10
fire flag	<i>Thalia geniculata</i>	10

# Ivanhoe West / Orange

Aquatic plant data collected on July 18, 2001

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average width of emergent and floating-leaved zone (ft.)	19.1
Average lake depth (m)	4.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	100
bald cypress	<i>Taxodium distichum</i>	80
maidencane	<i>Panicum hemitomon</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
spatterdock	<i>Nuphar luteum</i>	50
wax myrtle	<i>Myrica cerifera</i>	20
willow	<i>Salix spp.</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
umbrella sedge*	<i>Cyperus involucratus</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
water primrose	<i>Ludwigia spp.</i>	10
torpedograss*	<i>Panicum repens</i>	10
fire flag	<i>Thalia geniculata</i>	10

# Ivanhoe West / Orange

Aquatic plant data collected on June 24, 2003

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average width of emergent and floating-leaved zone (ft.)	36.8
Average lake depth (m)	4.1

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cypress spp.	<i>Taxodium spp.</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	60
maidencane	<i>Panicum hemitomon</i>	60
tapegrass	<i>Vallisneria americana</i>	60
water primrose	<i>Ludwigia spp.</i>	40
spatterdock	<i>Nuphar luteum</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
torpedograss*	<i>Panicum repens</i>	20
fire flag	<i>Thalia geniculata</i>	20
cat-tail	<i>Typha spp.</i>	20

# Ivanhoe West / Orange

Aquatic plant data collected on June 2, 2005

Percent area covered with aquatic vegetation (PAC, %)	36.0
Percent of lake's volume filled with vegetation (PVI, %)	8.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.8
Average width of emergent and floating-leaved zone (ft.)	55.0
Average lake depth (m)	4.6

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
southern naiad	<i>Najas guadalupensis</i>	100
tapegrass	<i>Vallisneria americana</i>	100
green algae	<i>Chlorphyta</i>	80
torpedograss*	<i>Panicum repens</i>	80
spatterdock	<i>Nuphar luteum</i>	60
maidencane	<i>Panicum hemitomon</i>	60
bald cypress	<i>Taxodium distichum</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
fire flag	<i>Thalia geniculata</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
coinwort	<i>Centella asiatica</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
water primrose	<i>Ludwigia spp.</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
variableleaf pondweed	<i>Potamogeton diversifolius</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
willow	<i>Salix spp.</i>	20
elderberry	<i>Sambucus canadensis</i>	20

# Ivanhoe West / Orange

Aquatic plant data collected on June 20, 2007

Percent area covered with aquatic vegetation (PAC, %)	22.0
Percent of lake's volume filled with vegetation (PVI, %)	2.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	22.2
Average lake depth (m)	4.7

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
alligator-weed*	<i>Alternanthera philoxeroides</i>	80
giant bulrush	<i>Scirpus californicus</i>	80
water primrose	<i>Ludwigia spp.</i>	60
spatterdock	<i>Nuphar luteum</i>	60
torpedograss*	<i>Panicum repens</i>	60
bald cypress	<i>Taxodium distichum</i>	60
coinwort	<i>Centella asiatica</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
maidencane	<i>Panicum hemitomon</i>	40
dayflower	<i>Commelina spp.</i>	20
variable flatsedge*	<i>Cyperus difformis</i>	20
flatsedge	<i>Cyperus odoratus</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
fire flag	<i>Thalia geniculata</i>	20

# Ivanhoe West / Orange

Aquatic plant data collected on July 7, 2009

Percent area covered with aquatic vegetation (PAC, %)	19.0
Percent of lake's volume filled with vegetation (PVI, %)	5.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	5.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	8.7
Average width of emergent and floating-leaved zone (ft.)	58.2
Average lake depth (m)	5.1

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
bald cypress	<i>Taxodium distichum</i>	80
manyspike flatsedge	<i>Cyperus polystachyos</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
spatterdock	<i>Nuphar luteum</i>	60
torpedograss*	<i>Panicum repens</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
red maple	<i>Acer rubrum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
maidencane	<i>Panicum hemitomon</i>	20
willow	<i>Salix spp.</i>	20
fire flag	<i>Thalia geniculata</i>	20

# John's / Orange

Aquatic plant data collected on July 29, 1992

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	12.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average width of emergent and floating-leaved zone (ft.)	201.5
Average lake depth (m)	1.7

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	95
floating water-hyacinth*	<i>Eichhornia crassipes</i>	89
water-lettuce*	<i>Pistia stratiotes</i>	68
fragrant water-lily	<i>Nymphaea odorata</i>	63
Baldwin flatsedge	<i>Cyperus globulosus</i>	58
water primrose	<i>Ludwigia spp.</i>	42
duck-potato	<i>Sagittaria lancifolia</i>	42
common salvinia	<i>Salvinia minima</i>	42
torpedograss*	<i>Panicum repens</i>	32
purple bladderwort	<i>Utricularia purpurea</i>	32
musk-grass	<i>Chara spp.</i>	26
flatsedge	<i>Cyperus odoratus</i>	26
slender spikerush	<i>Eleocharis baldwinii</i>	26
water-pennywort	<i>Hydrocotyle umbellata</i>	21
alligator-weed*	<i>Alternanthera philoxeroides</i>	16
banana-lily	<i>Nymphoides aquatica</i>	16
pickerelweed	<i>Pontederia cordata</i>	16
willow	<i>Salix spp.</i>	16
red root	<i>Lachnanthes caroliniana</i>	11
spatterdock	<i>Nuphar luteum</i>	11
water sprite*	<i>Ceratopteris thalictroides</i>	5
haspan flatsedge	<i>Cyperus haspan</i>	5
soft rush	<i>Juncus effusus</i>	5
southern naiad	<i>Najas guadalupensis</i>	5
para grass*	<i>Urochloa mutica</i>	5

# John's / Orange

Aquatic plant data collected on July 20, 1994

Percent area covered with aquatic vegetation (PAC, %)	22.0
Percent of lake's volume filled with vegetation (PVI, %)	4.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	71.2
Average lake depth (m)	1.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	100
smartweed	<i>Polygonum hydropiperoides</i>	80
water primrose	<i>Ludwigia spp.</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
willow	<i>Salix spp.</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	40
red root	<i>Lachnanthes caroliniana</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
torpedograss*	<i>Panicum repens</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
flatsedge	<i>Cyperus odoratus</i>	30
fragrant water-lily	<i>Nymphaea odorata</i>	30
maidencane	<i>Panicum hemitomon</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
common salvinia	<i>Salvinia minima</i>	30
spatterdock	<i>Nuphar luteum</i>	20
respiuinata bladderwort	<i>Utricularia resupinata</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
common duckweed	<i>Lemna minor</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10
para grass*	<i>Urochloa mutica</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# John's / Orange

Aquatic plant data collected on June 23, 1998

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	1.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	63.9
Average lake depth (m)	3.1

Frequency that plant species occur in 30 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
torpedograss*	<i>Panicum repens</i>	80
alligator-weed*	<i>Alternanthera philoxeroides</i>	77
duck-potato	<i>Sagittaria lancifolia</i>	67
cat-tail	<i>Typha spp.</i>	67
water-pennywort	<i>Hydrocotyle umbellata</i>	63
water primrose	<i>Ludwigia spp.</i>	63
willow	<i>Salix spp.</i>	47
fragrant water-lily	<i>Nymphaea odorata</i>	37
maiden cane	<i>Panicum hemitomon</i>	37
pickerelweed	<i>Pontederia cordata</i>	30
red ludwigia	<i>Ludwigia repens</i>	23
buttonbush	<i>Cephalanthus occidentalis</i>	20
leconte sedge	<i>Cyperus lecontei</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
elderberry	<i>Sambucus canadensis</i>	20
flatsedge	<i>Cyperus odoratus</i>	17
floating water-hyacinth*	<i>Eichhornia crassipes</i>	13
slender spikerush	<i>Eleocharis baldwinii</i>	13
wax myrtle	<i>Myrica cerifera</i>	13
flat sedge spp.	<i>Cyperus spp.</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
common salvinia	<i>Salvinia minima</i>	10
fanwort	<i>Cabomba caroliniana</i>	7
Australian pine*	<i>Casuarina equisetifolia</i>	7
salt-bush	<i>Baccharis spp.</i>	3
bacopa	<i>Bacopa monnieri</i>	3
hydrilla*	<i>Hydrilla verticillata</i>	3
bulrush spp.	<i>Juncus spp.</i>	3
common duckweed	<i>Lemna minor</i>	3
southern water-grass	<i>Luziola fluitans</i>	3
slender naiad*	<i>Najas minor</i>	3
spatterdock	<i>Nuphar luteum</i>	3
Egyptian paspalidium	<i>Paspalidium geminatum</i>	3
bald cypress	<i>Taxodium distichum</i>	3
para grass*	<i>Urochloa mutica</i>	3

# John's / Orange

Aquatic plant data collected on May 18, 2000

Percent area covered with aquatic vegetation (PAC, %)	72.0
Percent of lake's volume filled with vegetation (PVI, %)	6.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	2.8
Average lake depth (m)	1.7

Frequency that plant species occur in 30 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
duck-potato	<i>Sagittaria lancifolia</i>	53
slender spikerush	<i>Eleocharis baldwinii</i>	37
torpedograss*	<i>Panicum repens</i>	37
cat-tail	<i>Typha spp.</i>	37
flatsedge	<i>Cyperus odoratus</i>	33
water-pennywort	<i>Hydrocotyle umbellata</i>	33
green algae	<i>Chlorphyta</i>	30
stonewort	<i>Nitella spp.</i>	27
haspan flatsedge	<i>Cyperus haspan</i>	23
water primrose	<i>Ludwigia spp.</i>	20
willow	<i>Salix spp.</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	17
fragrant water-lily	<i>Nymphaea odorata</i>	17
spatterdock	<i>Nuphar luteum</i>	13
smartweed	<i>Polygonum hydropiperoides</i>	13
red root	<i>Lachnanthes caroliniana</i>	10
tapegrass	<i>Vallisneria americana</i>	10
Australian pine*	<i>Casuarina equisetifolia</i>	7
rush fuirena	<i>Fuirena scirpoidea</i>	7
baby-tears	<i>Micranthemum umbrosum</i>	7
wax myrtle	<i>Myrica cerifera</i>	7
dwarf arrowhead	<i>Sagittaria subulata</i>	7
flat sedge spp.	<i>Cyperus spp.</i>	3
southern naiad	<i>Najas guadalupensis</i>	3
maidencane	<i>Panicum hemitomon</i>	3
bald cypress	<i>Taxodium distichum</i>	3

# John's / Orange

Aquatic plant data collected on June 26, 2003

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	158.4
Average lake depth (m)	2.8

Frequency that plant species occur in 30 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
smartweed	<i>Polygonum hydropiperoides</i>	87
maidencane	<i>Panicum hemitomon</i>	80
torpedograss*	<i>Panicum repens</i>	77
green algae	<i>Chlorphyta</i>	63
duck-potato	<i>Sagittaria lancifolia</i>	63
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
southern naiad	<i>Najas guadalupensis</i>	60
floating water-hyacinth*	<i>Eichhornia crassipes</i>	57
sand cordgrass	<i>Spartina bakeri</i>	57
flatsedge	<i>Cyperus odoratus</i>	53
leconte sedge	<i>Cyperus lecontei</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	50
purple bladderwort	<i>Utricularia purpurea</i>	50
common duckweed	<i>Lemna minor</i>	47
salt-bush	<i>Baccharis spp.</i>	43
lemon bacopa	<i>Bacopa caroliniana</i>	37
willow	<i>Salix spp.</i>	37
water primrose	<i>Ludwigia spp.</i>	33
common salvinia	<i>Salvinia minima</i>	33
southern cutgrass	<i>Leersia hexandra</i>	30
red ludwigia	<i>Ludwigia repens</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	23
buttonbush	<i>Cephalanthus occidentalis</i>	20
spatterdock	<i>Nuphar luteum</i>	17
Walter's-s-millet	<i>Echinochloa walteri</i>	10
Nuttall's meadowbeauty	<i>Rhexia nuttallii</i>	10
cypress spp.	<i>Taxodium spp.</i>	10
cat-tail	<i>Typha spp.</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10
coinwort	<i>Centella asiatica</i>	7
water spinach*	<i>Ipomoea aquatica</i>	7
shore rush	<i>Juncus marginatus</i>	7
giant bulrush	<i>Scirpus californicus</i>	7
large-headed rush	<i>Juncus megacephalus</i>	3
frog's-bit	<i>Limnobium spongia</i>	3
southern water-grass	<i>Luziola fluitans</i>	3
melaleuca*	<i>Melaleuca quinquenervia</i>	3
wax myrtle	<i>Myrica cerifera</i>	3
para grass*	<i>Urochloa mutica</i>	3

# John's / Orange

Aquatic plant data collected on July 20, 2005

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	0.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average width of emergent and floating-leaved zone (ft.)	214.7
Average lake depth (m)	3.5

Frequency that plant species occur in 30 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
torpedograss*	<i>Panicum repens</i>	97
maidencane	<i>Panicum hemitomon</i>	93
alligator-weed*	<i>Alternanthera philoxeroides</i>	80
southern naiad	<i>Najas guadalupensis</i>	70
water primrose	<i>Ludwigia spp.</i>	67
smartweed	<i>Polygonum hydropiperoides</i>	67
duck-potato	<i>Sagittaria lancifolia</i>	57
water-pennywort	<i>Hydrocotyle umbellata</i>	53
buttonbush	<i>Cephalanthus occidentalis</i>	43
green algae	<i>Chlorphyta</i>	43
haspan flatsedge	<i>Cyperus haspan</i>	43
slender spikerush	<i>Eleocharis baldwinii</i>	37
willow	<i>Salix spp.</i>	37
Manatee mudflower	<i>Micranthemum glomeratum</i>	33
para grass*	<i>Urochloa mutica</i>	33
purple bladderwort	<i>Utricularia purpurea</i>	33
respuinata bladderwort	<i>Utricularia resupinata</i>	33
leconte sedge	<i>Cyperus lecontei</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	27
fragrant water-lily	<i>Nymphaea odorata</i>	27
pickerelweed	<i>Pontederia cordata</i>	27
cat-tail	<i>Typha spp.</i>	27
denseflower knotweed	<i>Polygonum densiflorum</i>	23
common salvinia	<i>Salvinia minima</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	17
hydrilla*	<i>Hydrilla verticillata</i>	17
burhead sedge*	<i>Scirpus cubensis</i>	17
sand cordgrass	<i>Spartina bakeri</i>	17
large-headed rush	<i>Juncus megacephalus</i>	13
bald cypress	<i>Taxodium distichum</i>	13
Australian pine*	<i>Casuarina equisetifolia</i>	10
climbing hempweed	<i>Mikania scandens</i>	10
coinwort	<i>Centella asiatica</i>	7
elephant-ear*	<i>Colocasia esculenta</i>	7
Walter's-millet	<i>Echinochloa walteri</i>	7
southern cutgrass	<i>Leersia hexandra</i>	7
.	<i>Lyngbya spp.</i>	7
wax myrtle	<i>Myrica cerifera</i>	7
American lotus	<i>Nelumbo lutea</i>	7
Illinois pondweed	<i>Potamogeton illinoensis</i>	7
giant bulrush	<i>Scirpus californicus</i>	7
giant cutgrass	<i>Zizaniopsis miliacea</i>	7
azolla	<i>Azolla caroliniana</i>	3

salt-bush	<i>Baccharis</i> spp.	3
beggar-ticks	<i>Bidens</i> spp.	3
manyspike flatsedge	<i>Cyperus polystachyos</i>	3
common duckweed	<i>Lemna minor</i>	3
red ludwigia	<i>Ludwigia repens</i>	3
spatterdock	<i>Nuphar luteum</i>	3
banana-lily	<i>Nymphoides aquatica</i>	3
Egyptian paspalidium	<i>Paspalidium germinatum</i>	3
water-lettuce*	<i>Pistia stratiotes</i>	3
small pondweed	<i>Potamogeton pusillus</i>	3
American cupscale	<i>Sacciolepis striata</i>	3
elderberry	<i>Sambucus canadensis</i>	3

# John's / Orange

Aquatic plant data collected on August 22, 2007

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average width of emergent and floating-leaved zone (ft.)	196.9
Average lake depth (m)	2.0

Frequency that plant species occur in 30 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	97
torpedograss*	<i>Panicum repens</i>	87
water primrose	<i>Ludwigia spp.</i>	73
flatsedge	<i>Cyperus odoratus</i>	63
leconte sedge	<i>Cyperus lecontei</i>	37
southern naiad	<i>Najas guadalupensis</i>	33
St. John's wort	<i>Hypericum spp.</i>	30
baby-tears	<i>Micranthemum umbrosum</i>	27
duck-potato	<i>Sagittaria lancifolia</i>	27
sesbans	<i>Sesbania spp.</i>	27
dwarf umbrella sedge	<i>Fuirena pumila</i>	20
manyspike flatsedge	<i>Cyperus polystachyos</i>	17
Illinois pondweed	<i>Potamogeton illinoensis</i>	17
sand cordgrass	<i>Spartina bakeri</i>	17
slender spikerush	<i>Eleocharis baldwinii</i>	13
hydrilla*	<i>Hydrilla verticillata</i>	13
taeagrass	<i>Vallisneria americana</i>	13
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
tropical flatsedge	<i>Cyperus surinamensis</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
shortbeak beaksedge	<i>Rhynchospora nitens</i>	10
cat-tail	<i>Typha spp.</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	7
barnyard grass*	<i>Echinochloa crusgalli</i>	7
sprangletop grass	<i>Leptochloa spp.</i>	7
American lotus	<i>Nelumbo lutea</i>	7
stonewort	<i>Nitella spp.</i>	7
spatterdock	<i>Nuphar luteum</i>	7
fragrant water-lily	<i>Nymphaea odorata</i>	7
smartweed	<i>Polygonum hydropiperoides</i>	7
willow	<i>Salix spp.</i>	7
common salvinia	<i>Salvinia minima</i>	7
giant bulrush	<i>Scirpus californicus</i>	7
burhead sedge*	<i>Scirpus cubensis</i>	7
bald cypress	<i>Taxodium distichum</i>	7
Australian pine*	<i>Casuarina equisetifolia</i>	3
green algae	<i>Chlorphyta</i>	3
elephant-ear*	<i>Colocasia esculenta</i>	3
floating water-hyacinth*	<i>Eichhornia crassipes</i>	3
common duckweed	<i>Lemna minor</i>	3
bladderwort	<i>Utricularia foliosa</i>	3

# John's / Orange

Aquatic plant data collected on July 15, 2009

Percent area covered with aquatic vegetation (PAC, %)	15.0
Percent of lake's volume filled with vegetation (PVI, %)	5.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average width of emergent and floating-leaved zone (ft.)	190.8
Average lake depth (m)	3.5

Frequency that plant species occur in 30 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
alligator-weed*	<i>Alternanthera philoxeroides</i>	103
maidencane	<i>Panicum hemitomon</i>	100
torpedograss*	<i>Panicum repens</i>	90
baby-tears	<i>Micranthemum umbrosum</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	67
smartweed	<i>Polygonum hydropiperoides</i>	67
floating water-hyacinth*	<i>Eichhornia crassipes</i>	50
coontail	<i>Ceratophyllum demersum</i>	43
duck-potato	<i>Sagittaria lancifolia</i>	43
water primrose	<i>Ludwigia spp.</i>	40
southern naiad	<i>Najas guadalupensis</i>	40
willow	<i>Salix spp.</i>	40
buttonbush	<i>Cephaelanthus occidentalis</i>	37
pickerelweed	<i>Pontederia cordata</i>	37
sand cordgrass	<i>Spartina bakeri</i>	37
salt-bush	<i>Baccharis spp.</i>	30
leconte sedge	<i>Cyperus lecontei</i>	30
haspan flatsedge	<i>Cyperus haspan</i>	23
water-pennywort	<i>Hydrocotyle umbellata</i>	23
common salvinia	<i>Salvinia minima</i>	23
bacopa	<i>Bacopa monnieri</i>	20
Illinois pondweed	<i>Potamogeton illinoensis</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	17
flatsedge	<i>Cyperus odoratus</i>	13
fragrant water-lily	<i>Nymphaea odorata</i>	13
sesbans	<i>Sesbania spp.</i>	13
manyspike flatsedge	<i>Cyperus polystachyos</i>	10
American lotus	<i>Nelumbo lutea</i>	10
spatterdock	<i>Nuphar luteum</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
bald cypress	<i>Taxodium distichum</i>	10
cat-tail	<i>Typha spp.</i>	10
tropical flatsedge	<i>Cyperus surinamensis</i>	7
rush fuirena	<i>Fuirena scirpoidea</i>	7
shore rush	<i>Juncus marginatus</i>	7
large-headed rush	<i>Juncus megacephalus</i>	7
wax myrtle	<i>Myrica cerifera</i>	7
burhead sedge*	<i>Scirpus cubensis</i>	7
southern water-hemp	<i>Amaranthus australis</i>	3
Baldwin flatsedge	<i>Cyperus globulosus</i>	3
swamp flatsedge	<i>Cyperus ligularis</i>	3
slender fimbry	<i>Fimbristylis autumnalis</i>	3
red root	<i>Lachnanthes caroliniana</i>	3

southern water-grass	<i>Luziola fluitans</i>	3
banana-lily	<i>Nymphoides aquatica</i>	3
water-lettuce*	<i>Pistia stratiotes</i>	3
tapegrass	<i>Vallisneria americana</i>	3

# Lawne / Orange

Aquatic plant data collected on July 13, 1994

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	1.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	12.5
Average lake depth (m)	1.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
alligator-weed*	<i>Alternanthera philoxeroides</i>	80
water primrose	<i>Ludwigia spp.</i>	70
wax myrtle	<i>Myrica cerifera</i>	60
willow	<i>Salix spp.</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
cat-tail	<i>Typha spp.</i>	40
pickerelweed	<i>Pontederia cordata</i>	30
bald cypress	<i>Taxodium distichum</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	20
elderberry	<i>Sambucus canadensis</i>	20
salt-bush	<i>Baccharis spp.</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
common duckweed	<i>Lemna minor</i>	10
maidencane	<i>Panicum hemitomon</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
common salvinia	<i>Salvinia minima</i>	10

# Lawsona / Orange

Aquatic plant data collected on June 22, 1993

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	11.6
Average lake depth (m)	1.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
giant bulrush	<i>Scirpus californicus</i>	50
jointed spikerush	<i>Eleocharis interstincta</i>	30
water primrose	<i>Ludwigia spp.</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
common duckweed	<i>Lemna minor</i>	10
willow	<i>Salix spp.</i>	10
elderberry	<i>Sambucus canadensis</i>	10
cat-tail	<i>Typha spp.</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Little Conway / Orange

Aquatic plant data collected on June 30, 1994

Percent area covered with aquatic vegetation (PAC, %)	44.0
Percent of lake's volume filled with vegetation (PVI, %)	7.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	28.8
Average lake depth (m)	4.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
cat-tail	<i>Typha spp.</i>	60
tapegrass	<i>Vallisneria americana</i>	60
torpedograss*	<i>Panicum repens</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
stonewort	<i>Nitella spp.</i>	40
maidencane	<i>Panicum hemitomon</i>	40
willow	<i>Salix spp.</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	30
water primrose	<i>Ludwigia spp.</i>	30
fragrant water-lily	<i>Nymphaea odorata</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
coontail	<i>Ceratophyllum demersum</i>	20
musk-grass	<i>Chara spp.</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
.	<i>Nitella prolonga</i>	20
common salvinia	<i>Salvinia minima</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
purple fanwort	<i>Cabomba pulcherrima</i>	10
sawgrass	<i>Cladium jamaicense</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
elderberry	<i>Sambucus canadensis</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10

# Little Conway / Orange

Aquatic plant data collected on June 16, 1999

Percent area covered with aquatic vegetation (PAC, %)	52.0
Percent of lake's volume filled with vegetation (PVI, %)	13.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average width of emergent and floating-leaved zone (ft.)	77.7
Average lake depth (m)	3.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	90
torpedograss*	<i>Panicum repens</i>	60
cat-tail	<i>Typha spp.</i>	60
maidencane	<i>Panicum hemitomon</i>	50
tapegrass	<i>Vallisneria americana</i>	50
water primrose	<i>Ludwigia spp.</i>	40
stonewort	<i>Nitella spp.</i>	40
hydrilla*	<i>Hydrilla verticillata</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
willow	<i>Salix spp.</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
purple fanwort	<i>Cabomba pulcherrima</i>	10
coontail	<i>Ceratophyllum demersum</i>	10
musk-grass	<i>Chara spp.</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10

# Little Hickorynut / Orange

Aquatic plant data collected on August 15, 1996

Percent area covered with aquatic vegetation (PAC, %)	54.0
Percent of lake's volume filled with vegetation (PVI, %)	5.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average width of emergent and floating-leaved zone (ft.)	110.0
Average lake depth (m)	3.8

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
pickerelweed	<i>Pontederia cordata</i>	100
rush fuirena	<i>Fuirena scirpoidea</i>	80
stonewort	<i>Nitella spp.</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	80
duck-potato	<i>Sagittaria lancifolia</i>	80
buttonbush	<i>Cephalanthus occidentalis</i>	60
water primrose	<i>Ludwigia spp.</i>	60
spatterdock	<i>Nuphar luteum</i>	60
banana-lily	<i>Nymphoides aquatica</i>	60
cat-tail	<i>Typha spp.</i>	60
sawgrass	<i>Cladium jamaicense</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water spinach*	<i>Ipomoea aquatica</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
bladderwort	<i>Utricularia foliosa</i>	40
cone-spur bladderwort	<i>Utricularia gibba</i>	40
purple bladderwort	<i>Utricularia purpurea</i>	40
lemon bacopa	<i>Bacopa caroliniana</i>	20
umbrella sedge*	<i>Cyperus involucratus</i>	20
southern cutgrass	<i>Leersia hexandra</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
bog-moss	<i>Mayaca fluviatilis</i>	20
maidencane	<i>Panicum hemitomon</i>	20
willow	<i>Salix spp.</i>	20

# Lorna Doone / Orange

Aquatic plant data collected on September 15, 1994

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	2.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average width of emergent and floating-leaved zone (ft.)	12.7
Average lake depth (m)	3.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
alligator-weed*	<i>Alternanthera philoxeroides</i>	90
bald cypress	<i>Taxodium distichum</i>	80
pickerelweed	<i>Pontederia cordata</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	50
giant bulrush	<i>Scirpus californicus</i>	50
tapegrass	<i>Vallisneria americana</i>	50
torpedograss*	<i>Panicum repens</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
southern cutgrass	<i>Leersia hexandra</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
water primrose	<i>Ludwigia spp.</i>	10

# Lorna Doone / Orange

Aquatic plant data collected on August 1, 2000

Percent area covered with aquatic vegetation (PAC, %)	.
Percent of lake's volume filled with vegetation (PVI, %)	.
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average width of emergent and floating-leaved zone (ft.)	14.2
Average lake depth (m)	.

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bald cypress	<i>Taxodium distichum</i>	100
tapegrass	<i>Vallisneria americana</i>	100
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
maidencane	<i>Panicum hemitomon</i>	40
flatsedge	<i>Cyperus odoratus</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
torpedograss*	<i>Panicum repens</i>	20
common arrowhead	<i>Sagittaria latifolia</i>	20

# Marsha / Orange

Aquatic plant data collected on September 2, 1993

Percent area covered with aquatic vegetation (PAC, %)	44.0
Percent of lake's volume filled with vegetation (PVI, %)	6.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	8.3
Average width of emergent and floating-leaved zone (ft.)	61.3
Average lake depth (m)	6.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bog-moss	<i>Mayaca fluviatilis</i>	100
fragrant water-lily	<i>Nymphaea odorata</i>	100
maidencane	<i>Panicum hemitomon</i>	90
hydrilla*	<i>Hydrilla verticillata</i>	80
musk-grass	<i>Chara spp.</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	70
pickerelweed	<i>Pontederia cordata</i>	70
water primrose	<i>Ludwigia spp.</i>	60
banana-lily	<i>Nymphoides aquatica</i>	60
red ludwigia	<i>Ludwigia repens</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
torpedograss*	<i>Panicum repens</i>	40
dwarf arrowhead	<i>Sagittaria subulata</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
St. John's wort	<i>Hypericum spp.</i>	30
red root	<i>Lachnanthes caroliniana</i>	30
southern naiad	<i>Najas guadalupensis</i>	30
burhead sedge*	<i>Scirpus cubensis</i>	30
Florida bladderwort	<i>Utricularia floridana</i>	30
yellow-eyed grass	<i>Xyris spp.</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
cat-tail	<i>Typha spp.</i>	20
salt-bush	<i>Baccharis spp.</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
pipewort	<i>Eriocaulon spp.</i>	10
common duckweed	<i>Lemna minor</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
spatterdock	<i>Nuphar luteum</i>	10
Tracy's beaksedge	<i>Rhynchospora tracyi</i>	10
willow	<i>Salix spp.</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10

# Mary Jane / Orange

Aquatic plant data collected on June 23, 1992

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	8.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	342.6
Average lake depth (m)	2.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
cat-tail	<i>Typha spp.</i>	100
spatterdock	<i>Nuphar luteum</i>	90
torpedograss*	<i>Panicum repens</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
maidencane	<i>Panicum hemitomon</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	30
banana-lily	<i>Nymphaoides aquatica</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	10
water primrose	<i>Ludwigia spp.</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10

# Mary Jane / Orange

Aquatic plant data collected on June 24, 1998

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	2.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	325.6
Average lake depth (m)	1.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
spatterdock	<i>Nuphar luteum</i>	100
cat-tail	<i>Typha spp.</i>	100
pickerelweed	<i>Pontederia cordata</i>	90
wax myrtle	<i>Myrica cerifera</i>	80
maidencane	<i>Panicum hemitomon</i>	80
torpedograss*	<i>Panicum repens</i>	50
bald cypress	<i>Taxodium distichum</i>	50
flat sedge spp.	<i>Cyperus spp.</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	40
willow	<i>Salix spp.</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
southern water-grass	<i>Luziola fluitans</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
common salvinia	<i>Salvinia minima</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Minnehaha / Orange

Aquatic plant data collected on June 8, 2000

Percent area covered with aquatic vegetation (PAC, %)	25.0
Percent of lake's volume filled with vegetation (PVI, %)	1.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	12.3
Average lake depth (m)	2.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	70
torpedograss*	<i>Panicum repens</i>	70
cat-tail	<i>Typha spp.</i>	70
pickerelweed	<i>Pontederia cordata</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
water primrose	<i>Ludwigia spp.</i>	50
bald cypress	<i>Taxodium distichum</i>	50
giant bulrush	<i>Scirpus californicus</i>	40
Egyptian paspalidium	<i>Paspalidium geminatum</i>	30
Illinois pondweed	<i>Potamogeton illinoensis</i>	30
willow	<i>Salix spp.</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	20
umbrella sedge*	<i>Cyperus involucratus</i>	20
flatsedge	<i>Cyperus odoratus</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
spatterdock	<i>Nuphar luteum</i>	20
red maple	<i>Acer rubrum</i>	10
musk-grass	<i>Chara spp.</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
maidencane	<i>Panicum hemitomon</i>	10
three-square	<i>Scirpus americanus</i>	10

# Moxie / Orange

Aquatic plant data collected on May 18, 1994

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average width of emergent and floating-leaved zone (ft.)	11.6
Average lake depth (m)	6.4

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water primrose	<i>Ludwigia</i> spp.	100
rush fuirena	<i>Fuirena scirpoidea</i>	80
water-pennywort	<i>Hydrocotyle umbellata</i>	80
torpedograss*	<i>Panicum repens</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	60
bog-moss	<i>Mayaca fluviatilis</i>	60
maidencane	<i>Panicum hemitomon</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
red ludwigia	<i>Ludwigia repens</i>	40
bald cypress	<i>Taxodium distichum</i>	40
haspan flatsedge	<i>Cyperus haspan</i>	20
pipewort	<i>Eriocaulon</i> spp.	20
red root	<i>Lachnanthes caroliniana</i>	20
southern cutgrass	<i>Leersia hexandra</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
willow	<i>Salix</i> spp.	20
cat-tail	<i>Typha</i> spp.	20

# Moxie / Orange

Aquatic plant data collected on July 22, 1999

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	2.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.9
Average width of emergent and floating-leaved zone (ft.)	10.2
Average lake depth (m)	4.4

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	100
bog-moss	<i>Mayaca fluviatilis</i>	100
torpedograss*	<i>Panicum repens</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	80
red root	<i>Lachnanthes caroliniana</i>	80
water primrose	<i>Ludwigia spp.</i>	80
red ludwigia	<i>Ludwigia repens</i>	60
bald cypress	<i>Taxodium distichum</i>	60
flatsedge	<i>Cyperus odoratus</i>	40
southern cutgrass	<i>Leersia hexandra</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
maidencane	<i>Panicum hemitomon</i>	40
yellow-eyed grass	<i>Xyris spp.</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
salt-bush	<i>Baccharis spp.</i>	20
St. John's wort	<i>Hypericum spp.</i>	20
willow	<i>Salix spp.</i>	20
cat-tail	<i>Typha spp.</i>	20
respuinata bladderwort	<i>Utricularia resupinata</i>	20

# North Lotta / Orange

Aquatic plant data collected on May 17, 1994

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	4.3
Average lake depth (m)	3.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
para grass*	<i>Urochloa mutica</i>	60
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
water primrose	<i>Ludwigia spp.</i>	30
willow	<i>Salix spp.</i>	30
elderberry	<i>Sambucus canadensis</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
maidencane	<i>Panicum hemitomon</i>	20
torpedograss*	<i>Panicum repens</i>	20
salt-bush	<i>Baccharis spp.</i>	10
musk-grass	<i>Chara spp.</i>	10
wax myrtle	<i>Myrica cerifera</i>	10

# North Lotta / Orange

Aquatic plant data collected on August 3, 1999

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	2.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	10.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	10.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	14.8
Average lake depth (m)	2.7

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
para grass*	<i>Urochloa mutica</i>	100
floating water-hyacinth*	<i>Eichhornia crassipes</i>	80
water primrose	<i>Ludwigia spp.</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	60
willow	<i>Salix spp.</i>	60
buttonbush	<i>Cephalanthus occidentalis</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
torpedograss*	<i>Panicum repens</i>	40
red maple	<i>Acer rubrum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
salt-bush	<i>Baccharis spp.</i>	20
musk-grass	<i>Chara spp.</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
maidencane	<i>Panicum hemitomon</i>	20
elderberry	<i>Sambucus canadensis</i>	20
cat-tail	<i>Typha spp.</i>	20

# Ola / Orange

Aquatic plant data collected on June 2, 1992

Percent area covered with aquatic vegetation (PAC, %)	60.0
Percent of lake's volume filled with vegetation (PVI, %)	17.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	8.4
Average width of emergent and floating-leaved zone (ft.)	52.5
Average lake depth (m)	3.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	90
tapegrass	<i>Vallisneria americana</i>	90
cat-tail	<i>Typha spp.</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	70
lemon bacopa	<i>Bacopa caroliniana</i>	60
musk-grass	<i>Chara spp.</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
coontail	<i>Ceratophyllum demersum</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	30
sawgrass	<i>Cladium jamaicense</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
water hemlock	<i>Cicuta mexicana</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
water primrose	<i>Ludwigia spp.</i>	10
spatterdock	<i>Nuphar luteum</i>	10
torpedograss*	<i>Panicum repens</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10

# Ola / Orange

Aquatic plant data collected on November 17, 1993

Percent area covered with aquatic vegetation (PAC, %)	96.0
Percent of lake's volume filled with vegetation (PVI, %)	22.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	9.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	7.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	8.7
Average width of emergent and floating-leaved zone (ft.)	53.0
Average lake depth (m)	3.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
coontail	<i>Ceratophyllum demersum</i>	70
southern naiad	<i>Najas guadalupensis</i>	70
stonewort	<i>Nitella spp.</i>	70
pickerelweed	<i>Pontederia cordata</i>	70
purple bladderwort	<i>Utricularia purpurea</i>	70
water primrose	<i>Ludwigia spp.</i>	60
cat-tail	<i>Typha spp.</i>	60
bacopa	<i>Bacopa monnieri</i>	50
maidencane	<i>Panicum hemitomon</i>	50
sawgrass	<i>Cladium jamaicense</i>	40
torpedograss*	<i>Panicum repens</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	30
respuinata bladderwort	<i>Utricularia resupinata</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
.	<i>Nitella prolonga</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
pipewort	<i>Eriocaulon spp.</i>	10
spatterdock	<i>Nuphar luteum</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
willow	<i>Salix spp.</i>	10
common salvinia	<i>Salvinia minima</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10
big floating bladderwort	<i>Utricularia inflata</i>	10

# Ola / Orange

Aquatic plant data collected on September 11, 1996

Percent area covered with aquatic vegetation (PAC, %)	96.0
Percent of lake's volume filled with vegetation (PVI, %)	22.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	16.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	8.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.3
Average width of emergent and floating-leaved zone (ft.)	112.0
Average lake depth (m)	3.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
coontail	<i>Ceratophyllum demersum</i>	90
water primrose	<i>Ludwigia spp.</i>	90
cat-tail	<i>Typha spp.</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	70
stonewort	<i>Nitella spp.</i>	70
tapegrass	<i>Vallisneria americana</i>	70
torpedograss*	<i>Panicum repens</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
willow	<i>Salix spp.</i>	60
wax myrtle	<i>Myrica cerifera</i>	50
floating water-hyacinth*	<i>Eichhornia crassipes</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	40
southern naiad	<i>Najas guadalupensis</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	30
maidencane	<i>Panicum hemitomon</i>	30
musk-grass	<i>Chara spp.</i>	20
jointed spikerush	<i>Eleocharis interstincta</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
salt-bush	<i>Baccharis spp.</i>	10
bacopa	<i>Bacopa monnieri</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
.	<i>Nitella prolunga</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# Ola / Orange

Aquatic plant data collected on July 27, 1999

Percent area covered with aquatic vegetation (PAC, %)	94.0
Percent of lake's volume filled with vegetation (PVI, %)	13.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average width of emergent and floating-leaved zone (ft.)	49.5
Average lake depth (m)	3.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
pickerelweed	<i>Pontederia cordata</i>	90
cat-tail	<i>Typha spp.</i>	90
coontail	<i>Ceratophyllum demersum</i>	80
water primrose	<i>Ludwigia spp.</i>	80
stonewort	<i>Nitella spp.</i>	80
torpedograss*	<i>Panicum repens</i>	70
tapegrass	<i>Vallisneria americana</i>	60
lemon bacopa	<i>Bacopa caroliniana</i>	50
wax myrtle	<i>Myrica cerifera</i>	50
southern naiad	<i>Najas guadalupensis</i>	50
maidencane	<i>Panicum hemitomon</i>	50
red maple	<i>Acer rubrum</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	30
willow	<i>Salix spp.</i>	30
purple bladderwort	<i>Utricularia purpurea</i>	30
sawgrass	<i>Cladium jamaicense</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
common salvinia	<i>Salvinia minima</i>	20
bald cypress	<i>Taxodium distichum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
Australian pine*	<i>Casuarina equisetifolia</i>	10
musk-grass	<i>Chara spp.</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
sweetbay	<i>Magnolia virginiana</i>	10
.	<i>Nitella prolonga</i>	10
spatterdock	<i>Nuphar luteum</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
elderberry	<i>Sambucus canadensis</i>	10
soft stem bulrush	<i>Scirpus validus</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Ola / Orange

Aquatic plant data collected on September 9, 2005

Percent area covered with aquatic vegetation (PAC, %)	80.0
Percent of lake's volume filled with vegetation (PVI, %)	19.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average width of emergent and floating-leaved zone (ft.)	59.2
Average lake depth (m)	3.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
water-pennywort	<i>Hydrocotyle umbellata</i>	100
tapegrass	<i>Vallisneria americana</i>	90
bacopa	<i>Bacopa monnieri</i>	80
coontail	<i>Ceratophyllum demersum</i>	80
green algae	<i>Chlorphyta</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	80
torpedograss*	<i>Panicum repens</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
water primrose	<i>Ludwigia spp.</i>	70
stonewort	<i>Nitella spp.</i>	70
cat-tail	<i>Typha spp.</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	60
southern naiad	<i>Najas guadalupensis</i>	50
maidencane	<i>Panicum hemitomon</i>	50
willow	<i>Salix spp.</i>	50
red maple	<i>Acer rubrum</i>	40
sawgrass	<i>Cladium jamaicense</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
melaleuca*	<i>Melaleuca quinquenervia</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
cypress spp.	<i>Taxodium spp.</i>	20
purple bladderwort	<i>Utricularia purpurea</i>	20
blue maidencane	<i>Amphicarpum muhlenbergianum</i>	10
Australian pine*	<i>Casuarina equisetifolia</i>	10
coinwort	<i>Centella asiatica</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
.	<i>Nitella prolunga</i>	10
spatterdock	<i>Nuphar luteum</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
common salvinia	<i>Salvinia minima</i>	10
elderberry	<i>Sambucus canadensis</i>	10
burhead sedge*	<i>Scirpus cubensis</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Ola / Orange

Aquatic plant data collected on October 3, 2006

Percent area covered with aquatic vegetation (PAC, %)	98.0
Percent of lake's volume filled with vegetation (PVI, %)	39.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	5.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.4
Average width of emergent and floating-leaved zone (ft.)	67.4
Average lake depth (m)	3.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
lemon bacopa	<i>Bacopa caroliniana</i>	100
hydrilla*	<i>Hydrilla verticillata</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
tapegrass	<i>Vallisneria americana</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	90
water primrose	<i>Ludwigia spp.</i>	90
southern naiad	<i>Najas guadalupensis</i>	90
torpedograss*	<i>Panicum repens</i>	90
stonewort	<i>Nitella spp.</i>	80
red maple	<i>Acer rubrum</i>	60
slender spikerush	<i>Eleocharis baldwinii</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	60
coontail	<i>Ceratophyllum demersum</i>	50
floating water-hyacinth*	<i>Eichhornia crassipes</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	50
maidencane	<i>Panicum hemitomon</i>	50
cat-tail	<i>Typha spp.</i>	50
musk-grass	<i>Chara spp.</i>	40
sawgrass	<i>Cladium jamaicense</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
.	<i>Nitella prolonga</i>	40
green algae	<i>Chlorphyta</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
big floating bladderwort	<i>Utricularia inflata</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
willow	<i>Salix spp.</i>	20
common salvinia	<i>Salvinia minima</i>	20
burhead sedge*	<i>Scirpus cubensis</i>	20
respuinata bladderwort	<i>Utricularia resupinata</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
salt-bush	<i>Baccharis spp.</i>	10
Australian pine*	<i>Casuarina equisetifolia</i>	10
coinwort	<i>Centella asiatica</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
spatterdock	<i>Nuphar luteum</i>	10
bald cypress	<i>Taxodium distichum</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
yellow-eyed grass	<i>Xyris spp.</i>	10

# Ola / Orange

Aquatic plant data collected on November 12, 2008

Percent area covered with aquatic vegetation (PAC, %)	86.0
Percent of lake's volume filled with vegetation (PVI, %)	24.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	11.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	7.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.7
Average width of emergent and floating-leaved zone (ft.)	82.0
Average lake depth (m)	2.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
lemon bacopa	<i>Bacopa caroliniana</i>	100
torpedograss*	<i>Panicum repens</i>	90
hydrilla*	<i>Hydrilla verticillata</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
tapegrass	<i>Vallisneria americana</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	70
red maple	<i>Acer rubrum</i>	60
coontail	<i>Ceratophyllum demersum</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
stonewort	<i>Nitella spp.</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	60
water primrose	<i>Ludwigia spp.</i>	50
.	<i>Nitella prolunga</i>	50
willow	<i>Salix spp.</i>	50
bald cypress	<i>Taxodium distichum</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
maidencane	<i>Panicum hemitomon</i>	40
common salvinia	<i>Salvinia minima</i>	40
cat-tail	<i>Typha spp.</i>	40
sawgrass	<i>Cladium jamaicense</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	30
southern naiad	<i>Najas guadalupensis</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
purple bladderwort	<i>Utricularia purpurea</i>	20
respuinata bladderwort	<i>Utricularia resupinata</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
salt-bush	<i>Baccharis spp.</i>	10
leconte sedge	<i>Cyperus lecontei</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
loblolly bay	<i>Gordonia lasianthus</i>	10
bulrush spp.	<i>Juncus spp.</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
common duckweed	<i>Lemna minor</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
spatterdock	<i>Nuphar luteum</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10

# Ola / Orange

Aquatic plant data collected on August 30, 2011

Percent area covered with aquatic vegetation (PAC, %)	100.0
Percent of lake's volume filled with vegetation (PVI, %)	30.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.0
Average width of emergent and floating-leaved zone (ft.)	77.7
Average lake depth (m)	2.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
southern naiad	<i>Najas guadalupensis</i>	100
torpedograss*	<i>Panicum repens</i>	100
tapegrass	<i>Vallisneria americana</i>	100
lemon bacopa	<i>Bacopa caroliniana</i>	90
stonewort	<i>Nitella spp.</i>	90
pickerelweed	<i>Pontederia cordata</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	70
coontail	<i>Ceratophyllum demersum</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
flatsedge	<i>Cyperus odoratus</i>	50
water primrose	<i>Ludwigia spp.</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
maidencane	<i>Panicum hemitomon</i>	50
cat-tail	<i>Typha spp.</i>	50
smartweed	<i>Polygonum hydropiperoides</i>	40
red maple	<i>Acer rubrum</i>	30
musk-grass	<i>Chara spp.</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
willow	<i>Salix spp.</i>	30
sawgrass	<i>Cladium jamaicense</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
.	<i>Nitella prolonga</i>	20
common salvinia	<i>Salvinia minima</i>	20
bladderwort	<i>Utricularia foliosa</i>	20
manyspike flatsedge	<i>Cyperus polystachyos</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
dahoon holly	<i>Ilex cassine</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
sesbans	<i>Sesbania spp.</i>	10

# Olympia / Orange

Aquatic plant data collected on May 18, 1994

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average width of emergent and floating-leaved zone (ft.)	26.1
Average lake depth (m)	3.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
respinata bladderwort	<i>Utricularia resupinata</i>	100
baby-tears	<i>Micranthemum umbrosum</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	60
torpedograss*	<i>Panicum repens</i>	60
maidencane	<i>Panicum hemitomon</i>	40
musk-grass	<i>Chara spp.</i>	30
cat-tail	<i>Typha spp.</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
spatterdock	<i>Nuphar luteum</i>	10
willow	<i>Salix spp.</i>	10

# Olympia / Orange

Aquatic plant data collected on June 17, 1999

Percent area covered with aquatic vegetation (PAC, %)	23.5
Percent of lake's volume filled with vegetation (PVI, %)	5.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	93.6
Average lake depth (m)	4.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
rush fuirena	<i>Fuirena scirpoidea</i>	80
baby-tears	<i>Micranthemum umbrosum</i>	70
fragrant water-lily	<i>Nymphaea odorata</i>	70
water primrose	<i>Ludwigia spp.</i>	60
cone-spur bladderwort	<i>Utricularia gibba</i>	60
musk-grass	<i>Chara spp.</i>	50
spatterdock	<i>Nuphar luteum</i>	50
willow	<i>Salix spp.</i>	40
cat-tail	<i>Typha spp.</i>	40
maidencane	<i>Panicum hemitomon</i>	30
St. John's wort	<i>Hypericum spp.</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
bog-moss	<i>Mayaca fluviatilis</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
stonewort	<i>Nitella spp.</i>	10

# Olympia / Orange

Aquatic plant data collected on July 27, 2005

Percent area covered with aquatic vegetation (PAC, %)	32.0
Percent of lake's volume filled with vegetation (PVI, %)	3.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	57.9
Average lake depth (m)	4.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
torpedograss*	<i>Panicum repens</i>	100
rush fuirena	<i>Fuirena scirpoidea</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	70
Illinois pondweed	<i>Potamogeton illinoensis</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	50
stonewort	<i>Nitella spp.</i>	40
haspan flatsedge	<i>Cyperus haspan</i>	30
water primrose	<i>Ludwigia spp.</i>	30
southern naiad	<i>Najas guadalupensis</i>	20
cat-tail	<i>Typha spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
spatterdock	<i>Nuphar luteum</i>	10
maidencane	<i>Panicum hemitomon</i>	10
American cupscale	<i>Sacciolepis striata</i>	10
willow	<i>Salix spp.</i>	10
common salvinia	<i>Salvinia minima</i>	10
respuinata bladderwort	<i>Utricularia resupinata</i>	10

# Peach / Orange

Aquatic plant data collected on May 18, 1994

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	4.0
Average lake depth (m)	5.8

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b><u>Common Name</u></b>	<b><u>Plant Species</u></b>	<b><u>Frequency (%)</u></b>
water primrose	<i>Ludwigia</i> spp.	40
rush fuirena	<i>Fuirena scirpoidea</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
willow	<i>Salix</i> spp.	20
cat-tail	<i>Typha</i> spp.	20

# Pineloch / Orange

Aquatic plant data collected on June 3, 1992

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	5.1
Average lake depth (m)	4.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water primrose	<i>Ludwigia spp.</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	30
willow	<i>Salix spp.</i>	30
cat-tail	<i>Typha spp.</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
maidencane	<i>Panicum hemitomon</i>	10
torpedograss*	<i>Panicum repens</i>	10
elderberry	<i>Sambucus canadensis</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Pineloch / Orange

Aquatic plant data collected on July 28, 1994

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	4.5
Average lake depth (m)	4.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water primrose	<i>Ludwigia</i> spp.	80
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
maidencane	<i>Panicum hemitomon</i>	40
wax myrtle	<i>Myrica cerifera</i>	30
torpedograss*	<i>Panicum repens</i>	30
cat-tail	<i>Typha</i> spp.	30
smartweed	<i>Polygonum hydropiperoides</i>	20
bald cypress	<i>Taxodium distichum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
spatterdock	<i>Nuphar luteum</i>	10
willow	<i>Salix</i> spp.	10

# Primavista / Orange

Aquatic plant data collected on May 17, 1994

Percent area covered with aquatic vegetation (PAC, %)	3.9
Percent of lake's volume filled with vegetation (PVI, %)	1.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	14.6
Average lake depth (m)	3.5

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
musk-grass	<i>Chara spp.</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	40
water primrose	<i>Ludwigia spp.</i>	40
cat-tail	<i>Typha spp.</i>	40
maidencane	<i>Panicum hemitomon</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
willow	<i>Salix spp.</i>	20
tapegrass	<i>Vallisneria americana</i>	20

# Primavista / Orange

Aquatic plant data collected on July 22, 1999

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	7.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	17.6
Average lake depth (m)	3.1

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	100
water primrose	<i>Ludwigia spp.</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	60
maidencane	<i>Panicum hemitomon</i>	60
elderberry	<i>Sambucus canadensis</i>	60
cat-tail	<i>Typha spp.</i>	60
flatsedge	<i>Cyperus odoratus</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
willow	<i>Salix spp.</i>	20
bald cypress	<i>Taxodium distichum</i>	20

# Primavista / Orange

Aquatic plant data collected on July 27, 2005

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	2.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average width of emergent and floating-leaved zone (ft.)	33.0
Average lake depth (m)	3.4

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	100
tapegrass	<i>Vallisneria americana</i>	100
cat-tail	<i>Typha spp.</i>	80
musk-grass	<i>Chara spp.</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
jointed spikerush	<i>Eleocharis interstincta</i>	20
rush fuirena	<i>Fuirena scirpoidea</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
water primrose	<i>Ludwigia spp.</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
American cupscale	<i>Sacciolepis striata</i>	20

# Rabama / Orange

Aquatic plant data collected on August 9, 1994

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	1.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	6.4
Average lake depth (m)	2.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water primrose	<i>Ludwigia</i> spp.	50
wax myrtle	<i>Myrica cerifera</i>	40
cat-tail	<i>Typha</i> spp.	40
common duckweed	<i>Lemna minor</i>	20
torpedograss*	<i>Panicum repens</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
bacopa	<i>Bacopa monnieri</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10

# Richmond / Orange

Aquatic plant data collected on July 21, 1999

Percent area covered with aquatic vegetation (PAC, %)	33.3
Percent of lake's volume filled with vegetation (PVI, %)	19.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average width of emergent and floating-leaved zone (ft.)	8.4
Average lake depth (m)	1.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
water primrose	<i>Ludwigia spp.</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
jointed spikerush	<i>Eleocharis interstincta</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
willow	<i>Salix spp.</i>	40
wax myrtle	<i>Myrica cerifera</i>	30
red maple	<i>Acer rubrum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
elderberry	<i>Sambucus canadensis</i>	20
musk-grass	<i>Chara spp.</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
swamp rosemallow	<i>Hibiscus grandiflorus</i>	10
hydrilla*	<i>Hydrilla verticillata</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Rowena / Orange

Aquatic plant data collected on June 17, 1992

Percent area covered with aquatic vegetation (PAC, %)	20.0
Percent of lake's volume filled with vegetation (PVI, %)	5.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.5
Average width of emergent and floating-leaved zone (ft.)	17.8
Average lake depth (m)	3.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	70
elephant-ear*	<i>Colocasia esculenta</i>	50
cat-tail	<i>Typha spp.</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
maidencane	<i>Panicum hemitomon</i>	30
para grass*	<i>Urochloa mutica</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
water primrose	<i>Ludwigia spp.</i>	20
spatterdock	<i>Nuphar luteum</i>	20
torpedograss*	<i>Panicum repens</i>	20
coontail	<i>Ceratophyllum demersum</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
giant bulrush	<i>Scirpus californicus</i>	10

# Santiago / Orange

Aquatic plant data collected on September 15, 1994

Percent area covered with aquatic vegetation (PAC, %)	49.0
Percent of lake's volume filled with vegetation (PVI, %)	41.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	23.0
Average lake depth (m)	1.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
water-pennywort	<i>Hydrocotyle umbellata</i>	100
bacopa	<i>Bacopa monnieri</i>	80
spatterdock	<i>Nuphar luteum</i>	80
southern naiad	<i>Najas guadalupensis</i>	70
torpedograss*	<i>Panicum repens</i>	70
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
pickerelweed	<i>Pontederia cordata</i>	20
bald cypress	<i>Taxodium distichum</i>	20
tapegrass	<i>Vallisneria americana</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	10
water primrose	<i>Ludwigia spp.</i>	10
slender naiad*	<i>Najas minor</i>	10

# Santiago / Orange

Aquatic plant data collected on July 21, 1999

Percent area covered with aquatic vegetation (PAC, %)	46.0
Percent of lake's volume filled with vegetation (PVI, %)	32.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	3.4
Average lake depth (m)	1.6

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
water-pennywort	<i>Hydrocotyle umbellata</i>	100
torpedograss*	<i>Panicum repens</i>	100
flatsedge	<i>Cyperus odoratus</i>	80
southern naiad	<i>Najas guadalupensis</i>	80
tapegrass	<i>Vallisneria americana</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	60
water primrose	<i>Ludwigia spp.</i>	60
spatterdock	<i>Nuphar luteum</i>	60
bald cypress	<i>Taxodium distichum</i>	60
bacopa	<i>Bacopa monnieri</i>	40
baby-tears	<i>Micranthemum umbrosum</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
umbrella-grass	<i>Fuirena squarrosa</i>	20
Tracy's beaksedge	<i>Rhynchospora tracyi</i>	20

# Shannon / Orange

Aquatic plant data collected on June 25, 1998

Percent area covered with aquatic vegetation (PAC, %)	30.0
Percent of lake's volume filled with vegetation (PVI, %)	3.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	15.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.2
Average width of emergent and floating-leaved zone (ft.)	20.6
Average lake depth (m)	3.4

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b><u>Common Name</u></b>	<b><u>Plant Species</u></b>	<b><u>Frequency (%)</u></b>
stonewort	<i>Nitella spp.</i>	100
torpedograss*	<i>Panicum repens</i>	100
cat-tail	<i>Typha spp.</i>	40
musk-grass	<i>Chara spp.</i>	20
water primrose	<i>Ludwigia spp.</i>	20
maidencane	<i>Panicum heritomone</i>	20
willow	<i>Salix spp.</i>	20
bald cypress	<i>Taxodium distichum</i>	20

# Silver / Orange

Aquatic plant data collected on July 30, 1991

Percent area covered with aquatic vegetation (PAC, %)	58.0
Percent of lake's volume filled with vegetation (PVI, %)	20.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.9
Average width of emergent and floating-leaved zone (ft.)	42.5
Average lake depth (m)	4.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	80
Illinois pondweed	<i>Potamogeton illinoensis</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	60
cat-tail	<i>Typha spp.</i>	60
water primrose	<i>Ludwigia spp.</i>	40
maidencane	<i>Panicum hemitomon</i>	30
baby-tears	<i>Micranthemum umbrosum</i>	20
green algae	<i>Chlorphyta</i>	10
elephant-ear*	<i>Colocasia esculenta</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
willow	<i>Salix spp.</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Silver / Orange

Aquatic plant data collected on September 27, 1996

Percent area covered with aquatic vegetation (PAC, %)	66.0
Percent of lake's volume filled with vegetation (PVI, %)	13.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	5.9
Average width of emergent and floating-leaved zone (ft.)	7.6
Average lake depth (m)	4.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	100
.	<i>Lyngbya spp.</i>	90
alligator-weed*	<i>Alternanthera philoxeroides</i>	70
slender spikerush	<i>Eleocharis baldwinii</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia spp.</i>	40
torpedograss*	<i>Panicum repens</i>	40
floating water-hyacinth*	<i>Eichhornia crassipes</i>	30
slender naiad*	<i>Najas minor</i>	30
cat-tail	<i>Typha spp.</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
common duckweed	<i>Lemna minor</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
willow	<i>Salix spp.</i>	20
coontail	<i>Ceratophyllum demersum</i>	10
haspan flatsedge	<i>Cyperus haspan</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
Brazilian pepper*	<i>Schinus terebinthifolius</i>	10
bald cypress	<i>Taxodium distichum</i>	10

# South Lotta / Orange

Aquatic plant data collected on May 17, 1994

Percent area covered with aquatic vegetation (PAC, %)	20.0
Percent of lake's volume filled with vegetation (PVI, %)	2.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	5.6
Average lake depth (m)	2.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
elephant-ear*	<i>Colocasia esculenta</i>	40
willow	<i>Salix spp.</i>	40
para grass*	<i>Urochloa mutica</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	30
water primrose	<i>Ludwigia spp.</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
maidencane	<i>Panicum hemitomon</i>	30
smartweed	<i>Polygonum hydropiperoides</i>	30
salt-bush	<i>Baccharis spp.</i>	20
musk-grass	<i>Chara spp.</i>	20
torpedograss*	<i>Panicum repens</i>	20
cat-tail	<i>Typha spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
southern naiad	<i>Najas guadalupensis</i>	10
elderberry	<i>Sambucus canadensis</i>	10

# South Lotta / Orange

Aquatic plant data collected on August 3, 1999

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	6.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	8.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	9.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	22.4
Average lake depth (m)	2.4

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
floating water-hyacinth*	<i>Eichhornia crassipes</i>	100
maidencane	<i>Panicum hemitomon</i>	80
para grass*	<i>Urochloa mutica</i>	80
water primrose	<i>Ludwigia spp.</i>	60
cat-tail	<i>Typha spp.</i>	60
wax myrtle	<i>Myrica cerifera</i>	40
willow	<i>Salix spp.</i>	40
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
salt-bush	<i>Baccharis spp.</i>	20
musk-grass	<i>Chara spp.</i>	20

# Spring 2 / Orange

Aquatic plant data collected on May 18, 1994

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	0.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	49.0
Average lake depth (m)	5.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	90
rush fuirena	<i>Fuirena scirpoidea</i>	70
St. John's wort	<i>Hypericum spp.</i>	40
spatterdock	<i>Nuphar luteum</i>	40
torpedograss*	<i>Panicum repens</i>	40
cat-tail	<i>Typha spp.</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	10
water primrose	<i>Ludwigia spp.</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10

# Spring 2 / Orange

Aquatic plant data collected on July 22, 1999

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	6.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.9
Average width of emergent and floating-leaved zone (ft.)	83.0
Average lake depth (m)	5.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
rush fuirena	<i>Fuirena scirpoidea</i>	90
torpedograss*	<i>Panicum repens</i>	90
maidencane	<i>Panicum hemitomon</i>	80
red maple	<i>Acer rubrum</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
St. John's wort	<i>Hypericum spp.</i>	60
red root	<i>Lachnanthes caroliniana</i>	60
wax myrtle	<i>Myrica cerifera</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
water primrose	<i>Ludwigia spp.</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
cat-tail	<i>Typha spp.</i>	40
buttonbush	<i>Cephaelanthus occidentalis</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	30
spatterdock	<i>Nuphar luteum</i>	30
stonewort	<i>Nitella spp.</i>	20
bald cypress	<i>Taxodium distichum</i>	20
yellow-eyed grass	<i>Xyris spp.</i>	20
salt-bush	<i>Baccharis spp.</i>	10
Australian pine*	<i>Casuarina equisetifolia</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
southern cutgrass	<i>Leersia hexandra</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
pickerelweed	<i>Pontederia cordata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
willow	<i>Salix spp.</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10

# Starke / Orange

Aquatic plant data collected on May 17, 1994

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	0.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average width of emergent and floating-leaved zone (ft.)	37.6
Average lake depth (m)	5.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
floating water-hyacinth*	<i>Eichhornia crassipes</i>	80
cat-tail	<i>Typha spp.</i>	80
water primrose	<i>Ludwigia spp.</i>	60
willow	<i>Salix spp.</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
common salvinia	<i>Salvinia minima</i>	40
tapegrass	<i>Vallisneria americana</i>	40
musk-grass	<i>Chara spp.</i>	30
maidencane	<i>Panicum hemitomon</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
soft rush	<i>Juncus effusus</i>	20
bladderwort	<i>Utricularia foliosa</i>	20
giant duckweed	<i>Spirodela polyrhiza</i>	10

# Starke / Orange

Aquatic plant data collected on June 17, 1999

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	2.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average width of emergent and floating-leaved zone (ft.)	87.6
Average lake depth (m)	4.3

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	90
torpedograss*	<i>Panicum repens</i>	80
willow	<i>Salix spp.</i>	70
water primrose	<i>Ludwigia spp.</i>	60
pickerelweed	<i>Pontederia cordata</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	60
taeagrass	<i>Vallisneria americana</i>	60
musk-grass	<i>Chara spp.</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	50
maidencane	<i>Panicum hemitomon</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
bulrush spp.	<i>Juncus spp.</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
flatsedge	<i>Cyperus odoratus</i>	10
flat sedge spp.	<i>Cyperus spp.</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Starke / Orange

Aquatic plant data collected on July 18, 2001

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	11.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average width of emergent and floating-leaved zone (ft.)	33.0
Average lake depth (m)	4.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	80
cat-tail	<i>Typha spp.</i>	80
tapegrass	<i>Vallisneria americana</i>	80
willow	<i>Salix spp.</i>	70
musk-grass	<i>Chara spp.</i>	60
water primrose	<i>Ludwigia spp.</i>	50
maidencane	<i>Panicum hemitomon</i>	40
pickerelweed	<i>Pontederia cordata</i>	40
red maple	<i>Acer rubrum</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
soft stem bulrush	<i>Scirpus validus</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10

# Starke / Orange

Aquatic plant data collected on May 19, 2004

Percent area covered with aquatic vegetation (PAC, %)	52.0
Percent of lake's volume filled with vegetation (PVI, %)	3.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average width of emergent and floating-leaved zone (ft.)	64.4
Average lake depth (m)	5.5

Frequency that plant species occur in 9 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
cat-tail	<i>Typha spp.</i>	89
tapegrass	<i>Vallisneria americana</i>	89
duck-potato	<i>Sagittaria lancifolia</i>	78
willow	<i>Salix spp.</i>	78
musk-grass	<i>Chara spp.</i>	67
water-lettuce*	<i>Pistia stratiotes</i>	67
pickerelweed	<i>Pontederia cordata</i>	67
torpedograss*	<i>Panicum repens</i>	56
floating water-hyacinth*	<i>Eichhornia crassipes</i>	44
water-pennywort	<i>Hydrocotyle umbellata</i>	33
water primrose	<i>Ludwigia spp.</i>	33
rush fuirena	<i>Fuirena scirpoidea</i>	22
soft rush	<i>Juncus effusus</i>	22
water paspalum	<i>Paspalum repens</i>	22
elderberry	<i>Sambucus canadensis</i>	22
alligator-weed*	<i>Alternanthera philoxeroides</i>	11
elephant-ear*	<i>Colocasia esculenta</i>	11
club-rush	<i>Eleocharis cellulosa</i>	11
climbing hempweed	<i>Mikania scandens</i>	11
wax myrtle	<i>Myrica cerifera</i>	11
fragrant water-lily	<i>Nymphaea odorata</i>	11
common salvinia	<i>Salvinia minima</i>	11
bulrush spp.	<i>Scirpus spp.</i>	11
para grass*	<i>Urochloa mutica</i>	11

# Starke / Orange

Aquatic plant data collected on July 27, 2005

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	3.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average width of emergent and floating-leaved zone (ft.)	67.2
Average lake depth (m)	4.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
torpedograss*	<i>Panicum repens</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	70
tapegrass	<i>Vallisneria americana</i>	70
pickerelweed	<i>Pontederia cordata</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	50
cat-tail	<i>Typha spp.</i>	50
musk-grass	<i>Chara spp.</i>	40
water primrose	<i>Ludwigia spp.</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
maidencane	<i>Panicum hemitomon</i>	40
willow	<i>Salix spp.</i>	40
giant bulrush	<i>Scirpus californicus</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	20
water-lettuce*	<i>Pistia stratiotes</i>	20
red maple	<i>Acer rubrum</i>	10
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
spatterdock	<i>Nuphar luteum</i>	10
Illinois pondweed	<i>Potamogeton illinoensis</i>	10

# Starke / Orange

Aquatic plant data collected on June 19, 2007

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.5
Average width of emergent and floating-leaved zone (ft.)	82.5
Average lake depth (m)	4.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
willow	<i>Salix spp.</i>	80
tapegrass	<i>Vallisneria americana</i>	80
torpedograss*	<i>Panicum repens</i>	70
cat-tail	<i>Typha spp.</i>	70
water primrose	<i>Ludwigia spp.</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
pickerelweed	<i>Pontederia cordata</i>	40
elephant-ear*	<i>Colocasia esculenta</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
maidencane	<i>Panicum hemitomon</i>	30
red maple	<i>Acer rubrum</i>	20
musk-grass	<i>Chara spp.</i>	20
spatterdock	<i>Nuphar luteum</i>	20
water-lettuce*	<i>Pistia stratiotes</i>	20
poorland flatsedge	<i>Cyperus compressus</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
giant bulrush	<i>Scirpus californicus</i>	10
soft stem bulrush	<i>Scirpus validus</i>	10

# Starke / Orange

Aquatic plant data collected on September 1, 2009

Percent area covered with aquatic vegetation (PAC, %)	20.0
Percent of lake's volume filled with vegetation (PVI, %)	3.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average width of emergent and floating-leaved zone (ft.)	103.5
Average lake depth (m)	4.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
alligator-weed*	<i>Alternanthera philoxeroides</i>	100
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	90
water primrose	<i>Ludwigia spp.</i>	90
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	90
tapegrass	<i>Vallisneria americana</i>	90
coontail	<i>Ceratophyllum demersum</i>	80
water-lettuce*	<i>Pistia stratiotes</i>	70
smartweed	<i>Polygonum hydropiperoides</i>	70
cat-tail	<i>Typha spp.</i>	70
flatsedge	<i>Cyperus odoratus</i>	50
baby-tears	<i>Micranthemum umbrosum</i>	50
maidencane	<i>Panicum hemitomon</i>	50
willow	<i>Salix spp.</i>	50
elephant-ear*	<i>Colocasia esculenta</i>	40
hydrilla*	<i>Hydrilla verticillata</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	40
common salvinia	<i>Salvinia minima</i>	40
red maple	<i>Acer rubrum</i>	30
floating water-hyacinth*	<i>Eichhornia crassipes</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	30
St. John's wort	<i>Hypericum spp.</i>	30
soft rush	<i>Juncus effusus</i>	30
common duckweed	<i>Lemna minor</i>	30
haspan flatsedge	<i>Cyperus haspan</i>	20
barnyard grass*	<i>Echinochloa crusgalli</i>	20
jointed spikerush	<i>Eleocharis interstincta</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
spatterdock	<i>Nuphar luteum</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
salt-bush	<i>Baccharis spp.</i>	10
musk-grass	<i>Chara spp.</i>	10
manyspike flatsedge	<i>Cyperus polystachyos</i>	10
tropical flatsedge	<i>Cyperus surinamensis</i>	10
dwarf umbrella sedge	<i>Fuirena pumila</i>	10
shore rush	<i>Juncus marginatus</i>	10
large-headed rush	<i>Juncus megacephalus</i>	10
sesbans	<i>Sesbania spp.</i>	10

# Tibet / Orange

Aquatic plant data collected on June 10, 1993

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average width of emergent and floating-leaved zone (ft.)	174.1
Average lake depth (m)	5.1

Frequency that plant species occur in 12 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
fragrant water-lily	<i>Nymphaea odorata</i>	100
duck-potato	<i>Sagittaria lancifolia</i>	100
bald cypress	<i>Taxodium distichum</i>	100
maidencane	<i>Panicum hemitomon</i>	83
rush fuirena	<i>Fuirena scirpoidea</i>	75
pickerelweed	<i>Pontederia cordata</i>	67
water-pennywort	<i>Hydrocotyle umbellata</i>	58
torpedograss*	<i>Panicum repens</i>	58
cat-tail	<i>Typha spp.</i>	58
buttonbush	<i>Cephalanthus occidentalis</i>	50
spatterdock	<i>Nuphar luteum</i>	50
banana-lily	<i>Nymphoides aquatica</i>	42
willow	<i>Salix spp.</i>	42
slender spikerush	<i>Eleocharis baldwinii</i>	25
hydrilla*	<i>Hydrilla verticillata</i>	25
.	<i>Lyngbya spp.</i>	25
stonewort	<i>Nitella spp.</i>	25
Egyptian paspalidium	<i>Paspalidium geminatum</i>	25
water primrose	<i>Ludwigia spp.</i>	17
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	17
elderberry	<i>Sambucus canadensis</i>	17
bladderwort	<i>Utricularia foliosa</i>	17
salt-bush	<i>Baccharis spp.</i>	8
lemon bacopa	<i>Bacopa caroliniana</i>	8
purple fanwort	<i>Cabomba pulcherrima</i>	8
sawgrass	<i>Cladium jamaicense</i>	8
floating water-hyacinth*	<i>Eichhornia crassipes</i>	8
bog-moss	<i>Mayaca fluviatilis</i>	8
wax myrtle	<i>Myrica cerifera</i>	8
tapegrass	<i>Vallisneria americana</i>	8

# Tibet / Orange

Aquatic plant data collected on June 1, 1999

Percent area covered with aquatic vegetation (PAC, %)	24.0
Percent of lake's volume filled with vegetation (PVI, %)	4.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average width of emergent and floating-leaved zone (ft.)	58.4
Average lake depth (m)	4.4

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	95
torpedograss*	<i>Panicum repens</i>	95
bald cypress	<i>Taxodium distichum</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	85
spatterdock	<i>Nuphar luteum</i>	75
duck-potato	<i>Sagittaria lancifolia</i>	75
buttonbush	<i>Cephalanthus occidentalis</i>	55
rush fuirena	<i>Fuirena scirpoidea</i>	55
sweetbay	<i>Magnolia virginiana</i>	50
pickerelweed	<i>Pontederia cordata</i>	50
cat-tail	<i>Typha spp.</i>	50
wax myrtle	<i>Myrica cerifera</i>	45
slender spikerush	<i>Eleocharis baldwinii</i>	40
stonewort	<i>Nitella spp.</i>	40
southern naiad	<i>Najas guadalupensis</i>	35
water primrose	<i>Ludwigia spp.</i>	25
Illinois pondweed	<i>Potamogeton illinoensis</i>	25
sawgrass	<i>Cladium jamaicense</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	20
bog-moss	<i>Mayaca fluviatilis</i>	15
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
water tupelo	<i>Nyssa aquatica</i>	10
strap-leaf sag	<i>Sagittaria kurziana</i>	10
willow	<i>Salix spp.</i>	10
common salvinia	<i>Salvinia minima</i>	10
tapegrass	<i>Vallisneria americana</i>	10
red maple	<i>Acer rubrum</i>	5
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	5
.	<i>Nitella prolonga</i>	5
Egyptian paspalidium	<i>Paspalidium geminatum</i>	5
elderberry	<i>Sambucus canadensis</i>	5

# Waunatta / Orange

Aquatic plant data collected on May 27, 1992

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	28.3
Average lake depth (m)	3.1

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water primrose	<i>Ludwigia</i> spp.	100
fragrant water-lily	<i>Nymphaea odorata</i>	100
banana-lily	<i>Nymphoides aquatica</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	90
torpedograss*	<i>Panicum repens</i>	70
sawgrass	<i>Cladium jamaicense</i>	60
pickerelweed	<i>Pontederia cordata</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
caric sedge	<i>Carex albolutescens</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
flatsedge	<i>Cyperus odoratus</i>	20
strawcolored flatsedge	<i>Cyperus strigosus</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
forked rush	<i>Juncus dichotomus</i>	20
willow	<i>Salix</i> spp.	20
cat-tail	<i>Typha</i> spp.	20
para grass*	<i>Urochloa mutica</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
spatterdock	<i>Nuphar luteum</i>	10

# Willis / Orange

Aquatic plant data collected on September 17, 1991

Percent area covered with aquatic vegetation (PAC, %)	52.0
Percent of lake's volume filled with vegetation (PVI, %)	9.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.5
Average width of emergent and floating-leaved zone (ft.)	33.5
Average lake depth (m)	4.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
stonewort	<i>Nitella spp.</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
water primrose	<i>Ludwigia spp.</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	80
maidencane	<i>Panicum hemitomon</i>	80
spatterdock	<i>Nuphar luteum</i>	50
cone-spur bladderwort	<i>Utricularia gibba</i>	50
torpedograss*	<i>Panicum repens</i>	40
sawgrass	<i>Cladium jamaicense</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
banana-lily	<i>Nymphoides aquatica</i>	30
cat-tail	<i>Typha spp.</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	10

# Willis / Orange

Aquatic plant data collected on June 25, 1998

Percent area covered with aquatic vegetation (PAC, %)	30.0
Percent of lake's volume filled with vegetation (PVI, %)	4.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average width of emergent and floating-leaved zone (ft.)	35.2
Average lake depth (m)	4.2

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
water primrose	<i>Ludwigia</i> spp.	90
stonewort	<i>Nitella</i> spp.	90
fragrant water-lily	<i>Nymphaea odorata</i>	90
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
maidencane	<i>Panicum hemitomon</i>	80
spatterdock	<i>Nuphar luteum</i>	70
banana-lily	<i>Nymphoides aquatica</i>	60
hydrilla*	<i>Hydrilla verticillata</i>	50
wax myrtle	<i>Myrica cerifera</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
bald cypress	<i>Taxodium distichum</i>	30
cat-tail	<i>Typha</i> spp.	30
sawgrass	<i>Cladium jamaicense</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
sweetbay	<i>Magnolia virginiana</i>	20
willow	<i>Salix</i> spp.	20
slender spikerush	<i>Eleocharis baldwinii</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10

# Winyah / Orange

Aquatic plant data collected on September 15, 2003

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	5.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average width of emergent and floating-leaved zone (ft.)	7.2
Average lake depth (m)	3.6

Frequency that plant species occur in 5 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
floating water-hyacinth*	<i>Eichhornia crassipes</i>	80
hydrilla*	<i>Hydrilla verticillata</i>	80
tapegrass	<i>Vallisneria americana</i>	80
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
green algae	<i>Chlorphyta</i>	60
water primrose	<i>Ludwigia spp.</i>	60
parrot's-feather*	<i>Myriophyllum aquaticum</i>	60
elephant-ear*	<i>Colocasia esculenta</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	40
common duckweed	<i>Lemna minor</i>	40
para grass*	<i>Urochloa mutica</i>	40
bacopa	<i>Bacopa monnieri</i>	20
water sprite*	<i>Ceratopteris thalictroides</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
flatsedge	<i>Cyperus odoratus</i>	20
frog's-bit	<i>Limnobium spongia</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
torpedograss*	<i>Panicum repens</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
cat-tail	<i>Typha spp.</i>	20

# Alligator / Osceola

Aquatic plant data collected on June 29, 1993

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	1.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average width of emergent and floating-leaved zone (ft.)	287.0
Average lake depth (m)	2.9

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Brazilian elodea*	<i>Egeria densa</i>	90
bog-moss	<i>Mayaca fluviatilis</i>	85
pickerelweed	<i>Pontederia cordata</i>	85
cat-tail	<i>Typha spp.</i>	75
fragrant water-lily	<i>Nymphaea odorata</i>	65
banana-lily	<i>Nymphoides aquatica</i>	65
torpedograss*	<i>Panicum repens</i>	65
rush fuirena	<i>Fuirena scirpoidea</i>	55
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	50
maidencane	<i>Panicum hemitomon</i>	45
willow	<i>Salix spp.</i>	45
tapegrass	<i>Vallisneria americana</i>	45
lemon bacopa	<i>Bacopa caroliniana</i>	40
spatterdock	<i>Nuphar luteum</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	35
Egyptian paspalidium	<i>Paspalidium geminatum</i>	35
buttonbush	<i>Cephalanthus occidentalis</i>	30
water primrose	<i>Ludwigia spp.</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	25
purple bladderwort	<i>Utricularia purpurea</i>	20
variableleaf pondweed	<i>Potamogeton diversifolius</i>	15
sago pondweed	<i>Potamogeton pectinatus</i>	15
bald cypress	<i>Taxodium distichum</i>	15
bladderwort	<i>Utricularia foliosa</i>	15
Baldwin flatsedge	<i>Cyperus globulosus</i>	10
salt-bush	<i>Baccharis spp.</i>	5
sawgrass	<i>Cladium jamaicense</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
slender spikerush	<i>Eleocharis baldwinii</i>	5
St. John's wort	<i>Hypericum spp.</i>	5
common salvinia	<i>Salvinia minima</i>	5

# Alligator / Osceola

Aquatic plant data collected on June 9, 1998

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	1.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average width of emergent and floating-leaved zone (ft.)	221.3
Average lake depth (m)	3.0

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
pickerelweed	<i>Pontederia cordata</i>	95
bog-moss	<i>Mayaca fluviatilis</i>	85
torpedograss*	<i>Panicum repens</i>	85
cat-tail	<i>Typha spp.</i>	85
fragrant water-lily	<i>Nymphaea odorata</i>	75
slender naiad*	<i>Najas minor</i>	65
buttonbush	<i>Cephalanthus occidentalis</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	50
banana-lily	<i>Nymphoides aquatica</i>	50
maidencane	<i>Panicum hemitomon</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
spatterdock	<i>Nuphar luteum</i>	45
water primrose	<i>Ludwigia spp.</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	35
bacopa	<i>Bacopa monnieri</i>	25
water-pennywort	<i>Hydrocotyle umbellata</i>	25
taeegrass	<i>Vallisneria americana</i>	25
Egyptian paspalidium	<i>Paspalidium geminatum</i>	15
willow	<i>Salix spp.</i>	15
bald cypress	<i>Taxodium distichum</i>	15
slender spikerush	<i>Eleocharis baldwinii</i>	10
umbrella-grass	<i>Fuirena squarrosa</i>	10
stonewort	<i>Nitella spp.</i>	10
sawgrass	<i>Cladium jamaicense</i>	5
flatsedge	<i>Cyperus odoratus</i>	5
flat sedge spp.	<i>Cyperus spp.</i>	5
common salvinia	<i>Salvinia minima</i>	5
Brazilian pepper*	<i>Schinus terebinthifolius</i>	5
purple bladderwort	<i>Utricularia purpurea</i>	5

# Alligator / Osceola

Aquatic plant data collected on June 19, 2003

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.4
Average width of emergent and floating-leaved zone (ft.)	252.5
Average lake depth (m)	3.5

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
banana-lily	<i>Nymphaoides aquatica</i>	80
rush fuirena	<i>Fuirena scirpoidea</i>	75
water-pennywort	<i>Hydrocotyle umbellata</i>	75
slender spikerush	<i>Eleocharis baldwinii</i>	70
spatterdock	<i>Nuphar luteum</i>	70
maidencane	<i>Panicum hemitomon</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	70
water primrose	<i>Ludwigia spp.</i>	65
swamp rosemallow	<i>Hibiscus grandiflorus</i>	45
wax myrtle	<i>Myrica cerifera</i>	45
cat-tail	<i>Typha spp.</i>	40
fragrant water-lily	<i>Nymphaea odorata</i>	35
giant bulrush	<i>Scirpus californicus</i>	30
cypress spp.	<i>Taxodium spp.</i>	30
pipewort	<i>Eriocaulon spp.</i>	25
bog-moss	<i>Mayaca fluviatilis</i>	25
Egyptian paspalidium	<i>Paspalidium geminatum</i>	25
common salvinia	<i>Salvinia minima</i>	25
buttonbush	<i>Cephalanthus occidentalis</i>	20
small pondweed	<i>Potamogeton pusillus</i>	20
sand cordgrass	<i>Spartina bakeri</i>	20
para grass*	<i>Urochloa mutica</i>	20
bacopa	<i>Bacopa monnieri</i>	15
green algae	<i>Chlorphyta</i>	15
haspan flatsedge	<i>Cyperus haspan</i>	15
red root	<i>Lachnanthes caroliniana</i>	15
purple bladderwort	<i>Utricularia purpurea</i>	15
red maple	<i>Acer rubrum</i>	10
lemon bacopa	<i>Bacopa caroliniana</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
willow	<i>Salix spp.</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10
alligator-weed*	<i>Alternanthera philoxeroides</i>	5
sawgrass	<i>Cladium jamaicense</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
water spinach*	<i>Ipomoea aquatica</i>	5
common duckweed	<i>Lemna minor</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
red ludwigia	<i>Ludwigia repens</i>	5
southern water-grass	<i>Luziola fluitans</i>	5
stonewort	<i>Nitella spp.</i>	5

swamp bay	<i>Persea palustris</i>	5
elderberry	<i>Sambucus canadensis</i>	5
Florida bladderwort	<i>Utricularia floridana</i>	5
bladderwort	<i>Utricularia foliosa</i>	5

# Alligator / Osceola

Aquatic plant data collected on May 16, 2005

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.3
Average width of emergent and floating-leaved zone (ft.)	368.2
Average lake depth (m)	3.0

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
torpedograss*	<i>Panicum repens</i>	95
rush fuirena	<i>Fuirena scirpoidea</i>	85
banana-lily	<i>Nymphoides aquatica</i>	85
duck-potato	<i>Sagittaria lancifolia</i>	85
water-pennywort	<i>Hydrocotyle umbellata</i>	75
maidencane	<i>Panicum hemitomon</i>	75
pickerelweed	<i>Pontederia cordata</i>	75
swamp rosemallow	<i>Hibiscus grandiflorus</i>	70
wax myrtle	<i>Myrica cerifera</i>	65
buttonbush	<i>Cephalanthus occidentalis</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	50
spatterdock	<i>Nuphar luteum</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
sand cordgrass	<i>Spartina bakeri</i>	45
common salvinia	<i>Salvinia minima</i>	35
bald cypress	<i>Taxodium distichum</i>	35
water primrose	<i>Ludwigia spp.</i>	30
lemon bacopa	<i>Bacopa caroliniana</i>	25
dwarf arrowhead	<i>Sagittaria subulata</i>	25
giant bulrush	<i>Scirpus californicus</i>	25
cat-tail	<i>Typha spp.</i>	25
southern water-grass	<i>Luziola fluitans</i>	20
Egyptian paspalidium	<i>Paspalidium germinatum</i>	20
willow	<i>Salix spp.</i>	20
red maple	<i>Acer rubrum</i>	15
Mallows	<i>Hibiscus spp.</i>	15
red ludwigia	<i>Ludwigia repens</i>	15
bog-moss	<i>Mayaca fluviatilis</i>	15
southern naiad	<i>Najas guadalupensis</i>	15
para grass*	<i>Urochloa mutica</i>	15
sawgrass	<i>Cladium jamaicense</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
burhead sedge*	<i>Scirpus cubensis</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
coinwort	<i>Centella asiatica</i>	5
water hemlock	<i>Cicuta mexicana</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
common duckweed	<i>Lemna minor</i>	5
melaleuca*	<i>Melaleuca quinquenervia</i>	5
American cupscale	<i>Sacciolepis striata</i>	5
elderberry	<i>Sambucus canadensis</i>	5
cone-spur bladderwort	<i>Utricularia gibba</i>	5

# Alligator / Osceola

Aquatic plant data collected on July 12, 2007

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.5
Average width of emergent and floating-leaved zone (ft.)	432.8
Average lake depth (m)	3.6

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

Common Name	Plant Species	Frequency (%)
torpedograss*	<i>Panicum repens</i>	100
maidencane	<i>Panicum hemitomon</i>	85
rush fuirena	<i>Fuirena scirpoidea</i>	80
spatterdock	<i>Nuphar luteum</i>	70
stonewort	<i>Nitella spp.</i>	65
fragrant water-lily	<i>Nymphaea odorata</i>	65
slender spikerush	<i>Eleocharis baldwinii</i>	55
banana-lily	<i>Nymphoides aquatica</i>	55
pickerelweed	<i>Pontederia cordata</i>	55
Mallows	<i>Hibiscus spp.</i>	45
wax myrtle	<i>Myrica cerifera</i>	45
Egyptian paspalidium	<i>Paspalidium germinatum</i>	40
water-pennywort	<i>Hydrocotyle umbellata</i>	35
water primrose	<i>Ludwigia spp.</i>	35
duck-potato	<i>Sagittaria lancifolia</i>	35
bog-moss	<i>Mayaca fluviatilis</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
common salvinia	<i>Salvinia minima</i>	30
sand cordgrass	<i>Spartina bakeri</i>	30
cat-tail	<i>Typha spp.</i>	30
poorland flatsedge	<i>Cyperus compressus</i>	25
southern water-grass	<i>Luziola fluitans</i>	25
giant bulrush	<i>Scirpus californicus</i>	25
smartweed	<i>Polygonum hydropiperoides</i>	20
bald cypress	<i>Taxodium distichum</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	15
lemon bacopa	<i>Bacopa caroliniana</i>	15
flat sedge spp.	<i>Cyperus spp.</i>	15
willow	<i>Salix spp.</i>	15
burhead sedge*	<i>Scirpus cubensis</i>	15
buttonbush	<i>Cephalanthus occidentalis</i>	10
sawgrass	<i>Cladium jamaicense</i>	10
marsh St. John's wort	<i>Triadenum virginicum</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10
tapegrass	<i>Vallisneria americana</i>	10
musk-grass	<i>Chara spp.</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
slender fimbry	<i>Fimbristylis autumnalis</i>	5
hydrilla*	<i>Hydrilla verticillata</i>	5
primrosewillow	<i>Ludwigia spp.</i>	5
southern naiad	<i>Najas guadalupensis</i>	5
soft stem bulrush	<i>Scirpus validus</i>	5
giant duckweed	<i>Spirodela polyrhiza</i>	5

# Alligator / Osceola

Aquatic plant data collected on June 11, 2009

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	292.0
Average lake depth (m)	3.2

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
torpedograss*	<i>Panicum repens</i>	100
duck-potato	<i>Sagittaria lancifolia</i>	87
rush fuirena	<i>Fuirena scirpoidea</i>	80
maidencane	<i>Panicum hemitomon</i>	80
banana-lily	<i>Nymphaoides aquatica</i>	73
pickerelweed	<i>Pontederia cordata</i>	73
slender spikerush	<i>Eleocharis baldwinii</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	60
wax myrtle	<i>Myrica cerifera</i>	60
red maple	<i>Acer rubrum</i>	47
buttonbush	<i>Cephalanthus occidentalis</i>	47
swamp rosemallow	<i>Hibiscus grandiflorus</i>	47
fragrant water-lily	<i>Nymphaea odorata</i>	47
bald cypress	<i>Taxodium distichum</i>	47
spatterdock	<i>Nuphar luteum</i>	40
dwarf arrowhead	<i>Sagittaria subulata</i>	40
red ludwigia	<i>Ludwigia repens</i>	33
water primrose	<i>Ludwigia spp.</i>	33
sand cordgrass	<i>Spartina bakeri</i>	33
shore rush	<i>Juncus marginatus</i>	27
giant bulrush	<i>Scirpus californicus</i>	27
bacopa	<i>Bacopa monnieri</i>	20
common duckweed	<i>Lemna minor</i>	20
southern water-grass	<i>Luziola fluitans</i>	20
bog-moss	<i>Mayaca fluviatilis</i>	20
cat-tail	<i>Typha spp.</i>	20
yellow-eyed grass	<i>Xyris spp.</i>	20
yellow nut-grass*	<i>Cyperus esculentus</i>	13
leconte sedge	<i>Cyperus lecontei</i>	13
manyspike flatsedge	<i>Cyperus polystachyos</i>	13
floating water-hyacinth*	<i>Eichhornia crassipes</i>	13
weak rush	<i>Juncus debilis</i>	13
swamp tupelo	<i>Nyssa sylvatica</i>	13
common salvinia	<i>Salvinia minima</i>	13
alligator-weed*	<i>Alternanthera philoxeroides</i>	7
red root	<i>Lachnanthes caroliniana</i>	7
Egyptian paspalidium	<i>Paspalidium geminatum</i>	7
willow	<i>Salix spp.</i>	7
exotic bur-reed	<i>Sparganium erectum</i>	7
purple bladderwort	<i>Utricularia purpurea</i>	7

# Center / Osceola

Aquatic plant data collected on June 30, 1993

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	1.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	147.3
Average lake depth (m)	1.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
spatterdock	<i>Nuphar luteum</i>	70
maidencane	<i>Panicum hemitomon</i>	70
cat-tail	<i>Typha spp.</i>	70
elephant-ear*	<i>Colocasia esculenta</i>	50
water primrose	<i>Ludwigia spp.</i>	50
wax myrtle	<i>Myrica cerifera</i>	50
pickerelweed	<i>Pontederia cordata</i>	50
common salvinia	<i>Salvinia minima</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
torpedograss*	<i>Panicum repens</i>	40
rush fuirena	<i>Fuirena scirpoidea</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
para grass*	<i>Urochloa mutica</i>	30
Baldwin flatsedge	<i>Cyperus globulosus</i>	20
willow	<i>Salix spp.</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10

# Center / Osceola

Aquatic plant data collected on June 10, 1998

Percent area covered with aquatic vegetation (PAC, %)	4.0
Percent of lake's volume filled with vegetation (PVI, %)	1.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	8.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	118.5
Average lake depth (m)	1.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
maidencane	<i>Panicum hemitomon</i>	100
common salvinia	<i>Salvinia minima</i>	100
alligator-weed*	<i>Alternanthera philoxeroides</i>	90
spatterdock	<i>Nuphar luteum</i>	80
torpedograss*	<i>Panicum repens</i>	80
cat-tail	<i>Typha spp.</i>	80
elephant-ear*	<i>Colocasia esculenta</i>	70
wax myrtle	<i>Myrica cerifera</i>	60
water-pennywort	<i>Hydrocotyle umbellata</i>	50
pickerelweed	<i>Pontederia cordata</i>	50
giant bulrush	<i>Scirpus californicus</i>	40
water primrose	<i>Ludwigia spp.</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	10
flat sedge spp.	<i>Cyperus spp.</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
willow	<i>Salix spp.</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Coon / Osceola

Aquatic plant data collected on June 30, 1993

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	120.2
Average lake depth (m)	1.8

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
pickerelweed	<i>Pontederia cordata</i>	90
spatterdock	<i>Nuphar luteum</i>	70
slender spikerush	<i>Eleocharis baldwinii</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	60
maidencane	<i>Panicum hemitomon</i>	60
cat-tail	<i>Typha spp.</i>	60
torpedograss*	<i>Panicum repens</i>	50
giant bulrush	<i>Scirpus californicus</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	40
common salvinia	<i>Salvinia minima</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	30
St. John's wort	<i>Hypericum spp.</i>	30
water primrose	<i>Ludwigia spp.</i>	30
wax myrtle	<i>Myrica cerifera</i>	30
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
Baldwin flatsedge	<i>Cyperus globulosus</i>	20
musk-grass	<i>Chara spp.</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Coon / Osceola

Aquatic plant data collected on June 10, 1998

Percent area covered with aquatic vegetation (PAC, %)	22.0
Percent of lake's volume filled with vegetation (PVI, %)	7.3
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	102.0
Average lake depth (m)	1.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
elephant-ear*	<i>Colocasia esculenta</i>	80
spatterdock	<i>Nuphar luteum</i>	80
maidencane	<i>Panicum hemitomon</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
giant bulrush	<i>Scirpus californicus</i>	80
wax myrtle	<i>Myrica cerifera</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
floating water-hyacinth*	<i>Eichhornia crassipes</i>	40
torpedograss*	<i>Panicum repens</i>	40
common salvinia	<i>Salvinia minima</i>	40
water primrose	<i>Ludwigia spp.</i>	30
cat-tail	<i>Typha spp.</i>	30
red maple	<i>Acer rubrum</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
para grass*	<i>Urochloa mutica</i>	10

# Cypress / Osceola

Aquatic plant data collected on August 30, 2004

Percent area covered with aquatic vegetation (PAC, %)	36.0
Percent of lake's volume filled with vegetation (PVI, %)	16.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	7.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	7.2
Average width of emergent and floating-leaved zone (ft.)	372.4
Average lake depth (m)	2.0

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
hydrilla*	<i>Hydrilla verticillata</i>	100
primrose-willow	<i>Ludwigia spp.</i>	100
floating water-hyacinth*	<i>Eichhornia crassipes</i>	90
giant bulrush	<i>Scirpus californicus</i>	90
pickerelweed	<i>Pontederia cordata</i>	80
alligator-weed*	<i>Alternanthera philoxeroides</i>	70
common salvinia	<i>Salvinia minima</i>	70
common duckweed	<i>Lemna minor</i>	60
spatterdock	<i>Nuphar luteum</i>	60
Egyptian paspalidium	<i>Paspalidium geminatum</i>	60
cypress spp.	<i>Taxodium spp.</i>	60
cat-tail	<i>Typha spp.</i>	60
frog's-bit	<i>Limnobium spongia</i>	50
water-lettuce*	<i>Pistia stratiotes</i>	50
smartweed	<i>Polygonum hydropiperoides</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	40
water primrose	<i>Ludwigia spp.</i>	40
American cupscale	<i>Sacciolepis striata</i>	40
common arrowhead	<i>Sagittaria latifolia</i>	40
bastard false indigo	<i>Amorpha fruticosa</i>	30
coontail	<i>Ceratophyllum demersum</i>	30
southern water-grass	<i>Luziola fluitans</i>	30
American lotus	<i>Nelumbo lutea</i>	30
burr-marigold	<i>Bidens laevins</i>	20
jointed spikerush	<i>Eleocharis interstincta</i>	20
southern cutgrass	<i>Leersia hexandra</i>	20
parrot's-feather*	<i>Myriophyllum aquaticum</i>	20
torpedograss*	<i>Panicum repens</i>	20
burhead sedge*	<i>Scirpus cubensis</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	10
wax myrtle	<i>Myrica cerifera</i>	10

# Fish / Osceola

Aquatic plant data collected on July 12, 1994

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	3.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.7
Average width of emergent and floating-leaved zone (ft.)	78.7
Average lake depth (m)	1.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
tapegrass	<i>Vallisneria americana</i>	100
cat-tail	<i>Typha spp.</i>	80
water primrose	<i>Ludwigia spp.</i>	70
pickerelweed	<i>Pontederia cordata</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	60
southern naiad	<i>Najas guadalupensis</i>	60
floating water-hyacinth*	<i>Eichhornia crassipes</i>	50
hydrilla*	<i>Hydrilla verticillata</i>	50
torpedograss*	<i>Panicum repens</i>	50
common salvinia	<i>Salvinia minima</i>	50
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	40
leconte sedge	<i>Cyperus lecontei</i>	30
maidencane	<i>Panicum hemitomon</i>	30
lemon bacopa	<i>Bacopa caroliniana</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
willow	<i>Salix spp.</i>	20
cone-spur bladderwort	<i>Utricularia gibba</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
soft rush	<i>Juncus effusus</i>	10
common duckweed	<i>Lemna minor</i>	10
spatterdock	<i>Nuphar luteum</i>	10

# Gentry / Osceola

Aquatic plant data collected on June 23, 1993

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	1.7
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.4
Average width of emergent and floating-leaved zone (ft.)	299.0
Average lake depth (m)	2.4

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	90
spatterdock	<i>Nuphar luteum</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
bog-moss	<i>Mayaca fluviatilis</i>	70
bald cypress	<i>Taxodium distichum</i>	60
cat-tail	<i>Typha spp.</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	50
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
banana-lily	<i>Nymphoides aquatica</i>	50
willow	<i>Salix spp.</i>	50
tapegrass	<i>Vallisneria americana</i>	50
common salvinia	<i>Salvinia minima</i>	40
purple bladderwort	<i>Utricularia purpurea</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
torpedograss*	<i>Panicum repens</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
lemon bacopa	<i>Bacopa caroliniana</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
water primrose	<i>Ludwigia spp.</i>	20
southern water-grass	<i>Luziola fluitans</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
green algae	<i>Chlorphyta</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
St. John's wort	<i>Hypericum spp.</i>	10
melaleuca*	<i>Melaleuca quinquenervia</i>	10
wax myrtle	<i>Myrica cerifera</i>	10

# Gentry / Osceola

Aquatic plant data collected on May 23, 2000

Percent area covered with aquatic vegetation (PAC, %)	32.0
Percent of lake's volume filled with vegetation (PVI, %)	1.6
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	7.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.4
Average width of emergent and floating-leaved zone (ft.)	139.5
Average lake depth (m)	2.5

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	100
bald cypress	<i>Taxodium distichum</i>	100
fragrant water-lily	<i>Nymphaea odorata</i>	80
bog-moss	<i>Mayaca fluviatilis</i>	70
spatterdock	<i>Nuphar luteum</i>	70
banana-lily	<i>Nymphoides aquatica</i>	70
pickerelweed	<i>Pontederia cordata</i>	70
cat-tail	<i>Typha spp.</i>	70
slender spikerush	<i>Eleocharis baldwinii</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	50
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	50
torpedograss*	<i>Panicum repens</i>	50
swamp rosemallow	<i>Hibiscus grandiflorus</i>	40
wax myrtle	<i>Myrica cerifera</i>	40
southern naiad	<i>Najas guadalupensis</i>	40
red maple	<i>Acer rubrum</i>	30
lemon bacopa	<i>Bacopa caroliniana</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	30
sweetbay	<i>Magnolia virginiana</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
willow	<i>Salix spp.</i>	30
purple bladderwort	<i>Utricularia purpurea</i>	30
hatpin	<i>Eriocaulon decangulare</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
St. John's wort	<i>Hypericum spp.</i>	20
stonewort	<i>Nitella spp.</i>	20
swamp bay	<i>Persea palustris</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
purple fanwort	<i>Cabomba pulcherrima</i>	10
green algae	<i>Chlorphyta</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
water primrose	<i>Ludwigia spp.</i>	10
southern water-grass	<i>Luziola fluitans</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
common salvinia	<i>Salvinia minima</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
cone-spur bladderwort	<i>Utricularia gibba</i>	10
tapegrass	<i>Vallisneria americana</i>	10

# Gentry / Osceola

Aquatic plant data collected on August 30, 2004

Percent area covered with aquatic vegetation (PAC, %)	14.0
Percent of lake's volume filled with vegetation (PVI, %)	2.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average width of emergent and floating-leaved zone (ft.)	203.6
Average lake depth (m)	2.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
bog-moss	<i>Mayaca fluviatilis</i>	100
maidencane	<i>Panicum hemitomon</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
banana-lily	<i>Nymphaoides aquatica</i>	90
cypress spp.	<i>Taxodium spp.</i>	90
wax myrtle	<i>Myrica cerifera</i>	80
southern naiad	<i>Najas guadalupensis</i>	80
fragrant water-lily	<i>Nymphaea odorata</i>	80
cat-tail	<i>Typha spp.</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
rush fuirena	<i>Fuirena scirpoidea</i>	70
bladderwort	<i>Utricularia foliosa</i>	70
southern water-grass	<i>Luziola fluitans</i>	60
cone-spur bladderwort	<i>Utricularia gibba</i>	60
lemon bacopa	<i>Bacopa caroliniana</i>	50
coontail	<i>Ceratophyllum demersum</i>	50
hydrilla*	<i>Hydrilla verticillata</i>	50
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	50
spatterdock	<i>Nuphar luteum</i>	50
torpedograss*	<i>Panicum repens</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
purple bladderwort	<i>Utricularia purpurea</i>	50
tapegrass	<i>Vallisneria americana</i>	50
fanwort	<i>Cabomba caroliniana</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	40
dahoon holly	<i>Ilex cassine</i>	40
water primrose	<i>Ludwigia spp.</i>	40
sweetbay	<i>Magnolia virginiana</i>	40
willow	<i>Salix spp.</i>	40
swamp rosemallow	<i>Hibiscus grandiflorus</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	30
slender naiad*	<i>Najas minor</i>	30
American cupscale	<i>Sacciolepis striata</i>	30
burhead sedge*	<i>Scirpus cubensis</i>	30
bastard false indigo	<i>Amorpha fruticosa</i>	20
swamp bay	<i>Persea palustris</i>	20
common salvinia	<i>Salvinia minima</i>	20
giant bulrush	<i>Scirpus californicus</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
burr-marigold	<i>Bidens laevins</i>	10
red root	<i>Lachnanthes caroliniana</i>	10
stonewort	<i>Nitella spp.</i>	10
sago pondweed	<i>Potamogeton pectinatus</i>	10

# Kissimmee / Osceola

Aquatic plant data collected on June 9, 1999

Percent area covered with aquatic vegetation (PAC, %)	48.0
Percent of lake's volume filled with vegetation (PVI, %)	13.5
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average width of emergent and floating-leaved zone (ft.)	410.0
Average lake depth (m)	2.1

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	95
maidencane	<i>Panicum hemitomon</i>	75
pickerelweed	<i>Pontederia cordata</i>	75
duck-potato	<i>Sagittaria lancifolia</i>	75
spatterdock	<i>Nuphar luteum</i>	55
cat-tail	<i>Typha spp.</i>	50
water primrose	<i>Ludwigia spp.</i>	45
torpedograss*	<i>Panicum repens</i>	45
wax myrtle	<i>Myrica cerifera</i>	40
giant bulrush	<i>Scirpus californicus</i>	30
tapegrass	<i>Vallisneria americana</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	25
hydrilla*	<i>Hydrilla verticillata</i>	25
willow	<i>Salix spp.</i>	25
alligator-weed*	<i>Alternanthera philoxeroides</i>	20
American lotus	<i>Nelumbo lutea</i>	20
club-rush	<i>Eleocharis cellulosa</i>	15
smartweed	<i>Polygonum hydropiperoides</i>	15
coontail	<i>Ceratophyllum demersum</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
swamp rosemallow	<i>Hibiscus grandiflorus</i>	10
water-pennywort	<i>Hydrocotyle umbellata</i>	10
fragrant water-lily	<i>Nymphaea odorata</i>	10
Illinois pondweed	<i>Potamogeton illinoensis</i>	10
dwarf arrowhead	<i>Sagittaria subulata</i>	10
bacopa	<i>Bacopa monnieri</i>	5
haspan flatsedge	<i>Cyperus haspan</i>	5
southern cutgrass	<i>Leersia hexandra</i>	5
baby-tears	<i>Micranthemum umbrosum</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
elderberry	<i>Sambucus canadensis</i>	5

# Kissimmee / Osceola

Aquatic plant data collected on July 31, 2001

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	6.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average width of emergent and floating-leaved zone (ft.)	350.0
Average lake depth (m)	2.1

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
maidencane	<i>Panicum hemitomon</i>	80
Egyptian paspalidium	<i>Paspalidium geminatum</i>	80
spatterdock	<i>Nuphar luteum</i>	70
pickerelweed	<i>Pontederia cordata</i>	55
cat-tail	<i>Typha spp.</i>	45
giant bulrush	<i>Scirpus californicus</i>	40
duck-potato	<i>Sagittaria lancifolia</i>	35
hydrilla*	<i>Hydrilla verticillata</i>	30
American lotus	<i>Nelumbo lutea</i>	30
willow	<i>Salix spp.</i>	30
water-pennywort	<i>Hydrocotyle umbellata</i>	25
fragrant water-lily	<i>Nymphaea odorata</i>	25
Illinois pondweed	<i>Potamogeton illinoensis</i>	25
Walter's-millet	<i>Echinochloa walteri</i>	20
water primrose	<i>Ludwigia spp.</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	15
southern water-grass	<i>Luziola fluitans</i>	15
smartweed	<i>Polygonum hydropiperoides</i>	15
common arrowhead	<i>Sagittaria latifolia</i>	15
flatsedge	<i>Cyperus odoratus</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
shortbeak beaksedge	<i>Rhynchospora nitens</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
tapegrass	<i>Vallisneria americana</i>	10
azolla	<i>Azolla caroliniana</i>	5
lemon bacopa	<i>Bacopa caroliniana</i>	5
coontail	<i>Ceratophyllum demersum</i>	5
elephant-ear*	<i>Colocasia esculenta</i>	5
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
swamp rosemallow	<i>Hibiscus grandiflorus</i>	5
soft rush	<i>Juncus effusus</i>	5
common duckweed	<i>Lemna minor</i>	5
torpedograss*	<i>Panicum repens</i>	5
water-lettuce*	<i>Pistia stratiotes</i>	5
denseflower knotweed	<i>Polygonum densiflorum</i>	5
common salvinia	<i>Salvinia minima</i>	5
elderberry	<i>Sambucus canadensis</i>	5
three-square	<i>Scirpus americanus</i>	5
soft stem bulrush	<i>Scirpus validus</i>	5

# Kissimmee / Osceola

Aquatic plant data collected on June 20, 2003

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	1.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average width of emergent and floating-leaved zone (ft.)	951.1
Average lake depth (m)	2.6

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
spatterdock	<i>Nuphar luteum</i>	80
Egyptian paspalidium	<i>Paspalidium geminatum</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
duck-potato	<i>Sagittaria lancifolia</i>	80
alligator-weed*	<i>Alternanthera philoxeroides</i>	75
hydrilla*	<i>Hydrilla verticillata</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	65
water-lettuce*	<i>Pistia stratiotes</i>	60
American lotus	<i>Nelumbo lutea</i>	55
torpedograss*	<i>Panicum repens</i>	55
willow	<i>Salix spp.</i>	50
coontail	<i>Ceratophyllum demersum</i>	40
maidencane	<i>Panicum hemitomon</i>	40
denseflower knotweed	<i>Polygonum densiflorum</i>	40
cat-tail	<i>Typha spp.</i>	40
water primrose	<i>Ludwigia spp.</i>	35
wax myrtle	<i>Myrica cerifera</i>	30
dwarf arrowhead	<i>Sagittaria subulata</i>	30
giant bulrush	<i>Scirpus californicus</i>	30
tapegrass	<i>Vallisneria americana</i>	30
bacopa	<i>Bacopa monnieri</i>	25
slender spikerush	<i>Eleocharis baldwinii</i>	25
club-rush	<i>Eleocharis cellulosa</i>	25
frog's-bit	<i>Limnobium spongia</i>	25
fragrant water-lily	<i>Nymphaea odorata</i>	25
buttonbush	<i>Cephaelanthus occidentalis</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	20
giant duckweed	<i>Spirodela polyrhiza</i>	20
green algae	<i>Chlorphyta</i>	15
swamp rosemallow	<i>Hibiscus grandiflorus</i>	15
southern water-grass	<i>Luziola fluitans</i>	15
Illinois pondweed	<i>Potamogeton illinoensis</i>	15
lemon bacopa	<i>Bacopa caroliniana</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
Manatee mudflower	<i>Micranthemum glomeratum</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
strap-leaf sag	<i>Sagittaria kurziana</i>	10
water star-wort	<i>Callitricha heterophylla</i>	5
elephant-ear*	<i>Colocasia esculenta</i>	5
flatsedge	<i>Cyperus odoratus</i>	5
soft rush	<i>Juncus effusus</i>	5
smartweed	<i>Polygonum hydropiperoides</i>	5

common salvinia	<i>Salvinia minima</i>	5
Brazilian pepper*	<i>Schinus terebinthifolius</i>	5
bladderwort	<i>Utricularia foliosa</i>	5
cone-spur bladderwort	<i>Utricularia gibba</i>	5
purple bladderwort	<i>Utricularia purpurea</i>	5

# Kissimmee / Osceola

Aquatic plant data collected on May 5, 2005

Percent area covered with aquatic vegetation (PAC, %)	28.0
Percent of lake's volume filled with vegetation (PVI, %)	12.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average width of emergent and floating-leaved zone (ft.)	1366.4
Average lake depth (m)	1.8

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	100
maidencane	<i>Panicum hemitomon</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	80
spatterdock	<i>Nuphar luteum</i>	75
pickerelweed	<i>Pontederia cordata</i>	75
water-pennywort	<i>Hydrocotyle umbellata</i>	65
alligator-weed*	<i>Alternanthera philoxeroides</i>	60
water-lettuce*	<i>Pistia stratiotes</i>	50
slender spikerush	<i>Eleocharis baldwinii</i>	45
torpedograss*	<i>Panicum repens</i>	45
willow	<i>Salix spp.</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
cat-tail	<i>Typha spp.</i>	40
red ludwigia	<i>Ludwigia repens</i>	35
smartweed	<i>Polygonum hydropiperoides</i>	35
southern water-grass	<i>Luziola fluitans</i>	30
wax myrtle	<i>Myrica cerifera</i>	25
buttonbush	<i>Cephalanthus occidentalis</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	20
water primrose	<i>Ludwigia spp.</i>	20
denseflower knotweed	<i>Polygonum densiflorum</i>	20
sand cordgrass	<i>Spartina bakeri</i>	20
tapegrass	<i>Vallisneria americana</i>	20
beggar-ticks	<i>Bidens spp.</i>	15
floating water-hyacinth*	<i>Eichhornia crassipes</i>	15
Illinois pondweed	<i>Potamogeton illinoensis</i>	15
elephant-ear*	<i>Colocasia esculenta</i>	10
Mallows	<i>Hibiscus spp.</i>	10
American lotus	<i>Nelumbo lutea</i>	10
lemon bacopa	<i>Bacopa caroliniana</i>	5
southern cutgrass	<i>Leersia hexandra</i>	5
yellow water-lily	<i>Nymphaea mexicana</i>	5
fragrant water-lily	<i>Nymphaea odorata</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
elderberry	<i>Sambucus canadensis</i>	5
sword grass	<i>Scirpus pungens</i>	5
cone-spur bladderwort	<i>Utricularia gibba</i>	5
purple bladderwort	<i>Utricularia purpurea</i>	5

# Kissimmee / Osceola

Aquatic plant data collected on July 10, 2007

Percent area covered with aquatic vegetation (PAC, %)	0.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.6
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.6
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.9
Average width of emergent and floating-leaved zone (ft.)	732.9
Average lake depth (m)	2.4

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	90
water-pennywort	<i>Hydrocotyle umbellata</i>	85
alligator-weed*	<i>Alternanthera philoxeroides</i>	80
pickerelweed	<i>Pontederia cordata</i>	80
spatterdock	<i>Nuphar luteum</i>	75
floating water-hyacinth*	<i>Eichhornia crassipes</i>	70
maidencane	<i>Panicum hemitomon</i>	70
smartweed	<i>Polygonum hydropiperoides</i>	70
tapegrass	<i>Vallisneria americana</i>	65
red ludwigia	<i>Ludwigia repens</i>	50
torpedograss*	<i>Panicum repens</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	50
willow	<i>Salix spp.</i>	50
water primrose	<i>Ludwigia spp.</i>	45
American lotus	<i>Nelumbo lutea</i>	45
hydrilla*	<i>Hydrilla verticillata</i>	40
Illinois pondweed	<i>Potamogeton illinoensis</i>	35
giant bulrush	<i>Scirpus californicus</i>	35
flatsedge	<i>Cyperus odoratus</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	30
cat-tail	<i>Typha spp.</i>	30
club-rush	<i>Eleocharis cellulosa</i>	25
poorland flatsedge	<i>Cyperus compressus</i>	20
leconte sedge	<i>Cyperus lecontei</i>	20
Mallows	<i>Hibiscus spp.</i>	20
southern water-grass	<i>Luziola fluitans</i>	20
Manatee mudflower	<i>Micranthemum glomeratum</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
common arrowhead	<i>Sagittaria latifolia</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
burhead sedge*	<i>Scirpus cubensis</i>	20
lemon bacopa	<i>Bacopa caroliniana</i>	15
coontail	<i>Ceratophyllum demersum</i>	15
haspan flatsedge	<i>Cyperus haspan</i>	15
spikerushes	<i>Eleocharis spp.</i>	15
water-lettuce*	<i>Pistia stratiotes</i>	15
wax myrtle	<i>Myrica cerifera</i>	10
common salvinia	<i>Salvinia minima</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	5
elephant-ear*	<i>Colocasia esculenta</i>	5
yellow flatsedge	<i>Cyperus flavescens</i>	5
dwarf umbrella sedge	<i>Fuirena pumila</i>	5

spider-lily	<i>Hymenocallis</i> spp.	5
large-headed rush	<i>Juncus megacephalus</i>	5
needlepod rush	<i>Juncus scirpoides</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
arrow-arum	<i>Peltandra virginica</i>	5
sesbans	<i>Sesbania</i> spp.	5

# Kissimmee / Osceola

Aquatic plant data collected on August 3, 2009

Percent area covered with aquatic vegetation (PAC, %)	.
Percent of lake's volume filled with vegetation (PVI, %)	.
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	7.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	5.9
Average width of emergent and floating-leaved zone (ft.)	1340.1
Average lake depth (m)	.

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	100
pickerelweed	<i>Pontederia cordata</i>	95
willow	<i>Salix spp.</i>	85
fragrant water-lily	<i>Nymphaea odorata</i>	80
tapegrass	<i>Vallisneria americana</i>	80
spatterdock	<i>Nuphar luteum</i>	75
maidencane	<i>Panicum hemitomon</i>	75
torpedograss*	<i>Panicum repens</i>	70
flatsedge	<i>Cyperus odoratus</i>	65
water primrose	<i>Ludwigia spp.</i>	65
duck-potato	<i>Sagittaria lancifolia</i>	65
water-pennywort	<i>Hydrocotyle umbellata</i>	60
American lotus	<i>Nelumbo lutea</i>	55
bladderwort	<i>Utricularia foliosa</i>	55
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
hydrilla*	<i>Hydrilla verticillata</i>	50
smartweed	<i>Polygonum hydropiperoides</i>	50
giant bulrush	<i>Scirpus californicus</i>	50
sesbans	<i>Sesbania spp.</i>	50
coontail	<i>Ceratophyllum demersum</i>	45
slender spikerush	<i>Eleocharis baldwinii</i>	45
red ludwigia	<i>Ludwigia repens</i>	45
southern water-grass	<i>Luziola fluitans</i>	40
Illinois pondweed	<i>Potamogeton illinoensis</i>	40
cat-tail	<i>Typha spp.</i>	40
wax myrtle	<i>Myrica cerifera</i>	35
swamp rosemallow	<i>Hibiscus grandiflorus</i>	30
American cupscale	<i>Sacciolepis striata</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	25
floating water-hyacinth*	<i>Eichhornia crassipes</i>	25
rush fuirena	<i>Fuirena scirpoidea</i>	25
burhead sedge*	<i>Scirpus cubensis</i>	25
sand cordgrass	<i>Spartina bakeri</i>	25
bladderwort species	<i>Utricularia spp.</i>	25
common salvinia	<i>Salvinia minima</i>	20
barnyard grass*	<i>Echinochloa crusgalli</i>	15
southern naiad	<i>Najas guadalupensis</i>	15
soft stem bulrush	<i>Scirpus validus</i>	15
lemon bacopa	<i>Bacopa caroliniana</i>	10
tropical flatsedge	<i>Cyperus surinamensis</i>	10
club-rush	<i>Eleocharis cellulosa</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10

common arrowhead	<i>Sagittaria latifolia</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10
azolla	<i>Azolla caroliniana</i>	5
baby-tears	<i>Micranthemum umbrosum</i>	5
stonewort	<i>Nitella spp.</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
Brazilian pepper*	<i>Schinus terebinthifolius</i>	5

# Live Oak / Osceola

Aquatic plant data collected on July 12, 1994

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	2.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.1
Average width of emergent and floating-leaved zone (ft.)	82.3
Average lake depth (m)	2.6

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
water primrose	<i>Ludwigia</i> spp.	100
pickerelweed	<i>Pontederia cordata</i>	100
leconte sedge	<i>Cyperus lecontei</i>	90
wax myrtle	<i>Myrica cerifera</i>	80
duck-potato	<i>Sagittaria lancifolia</i>	70
spatterdock	<i>Nuphar luteum</i>	60
red ludwigia	<i>Ludwigia repens</i>	50
giant bulrush	<i>Scirpus californicus</i>	50
willow	<i>Salix</i> spp.	40
sawgrass	<i>Cladium jamaicense</i>	30
swamp rosemallow	<i>Hibiscus grandiflorus</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	20
slender spikerush	<i>Eleocharis baldwinii</i>	20
pipewort	<i>Eriocaulon</i> spp.	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
common salvinia	<i>Salvinia minima</i>	20
yellow-eyed grass	<i>Xyris</i> spp.	20
lemon bacopa	<i>Bacopa caroliniana</i>	10
bacopa	<i>Bacopa monnieri</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
St. John's wort	<i>Hypericum</i> spp.	10
red root	<i>Lachnanthes caroliniana</i>	10
torpedograss*	<i>Panicum repens</i>	10
sand cordgrass	<i>Spartina bakeri</i>	10
bladderwort	<i>Utricularia foliosa</i>	10

# Lizzie / Osceola

Aquatic plant data collected on June 23, 1993

Percent area covered with aquatic vegetation (PAC, %)	26.0
Percent of lake's volume filled with vegetation (PVI, %)	1.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average width of emergent and floating-leaved zone (ft.)	298.3
Average lake depth (m)	2.3

Frequency that plant species occur in 15 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
fragrant water-lily	<i>Nymphaea odorata</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
variableleaf pondweed	<i>Potamogeton diversifolius</i>	93
bog-moss	<i>Mayaca fluviatilis</i>	87
maidencane	<i>Panicum hemitomon</i>	87
bacopa	<i>Bacopa monnieri</i>	73
green algae	<i>Chlorphyta</i>	73
spikerushes	<i>Eleocharis spp.</i>	73
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	73
spatterdock	<i>Nuphar luteum</i>	73
torpedograss*	<i>Panicum repens</i>	73
wax myrtle	<i>Myrica cerifera</i>	67
cat-tail	<i>Typha spp.</i>	67
buttonbush	<i>Cephalanthus occidentalis</i>	60
banana-lily	<i>Nymphoides aquatica</i>	53
rush fuirena	<i>Fuirena scirpoidea</i>	47
purple bladderwort	<i>Utricularia purpurea</i>	47
willow	<i>Salix spp.</i>	40
bladderwort	<i>Utricularia foliosa</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	27
St. John's wort	<i>Hypericum spp.</i>	27
water primrose	<i>Ludwigia spp.</i>	20
hydrilla*	<i>Hydrilla verticillata</i>	13
water-pennywort	<i>Hydrocotyle umbellata</i>	13
common salvinia	<i>Salvinia minima</i>	13
tapegrass	<i>Vallisneria americana</i>	13
yellow-eyed grass	<i>Xyris spp.</i>	13
alligator-weed*	<i>Alternanthera philoxeroides</i>	7
lemon bacopa	<i>Bacopa caroliniana</i>	7
floating water-hyacinth*	<i>Eichhornia crassipes</i>	7
duck-potato	<i>Sagittaria lancifolia</i>	7
dwarf arrowhead	<i>Sagittaria subulata</i>	7

# Lizzie / Osceola

Aquatic plant data collected on June 9, 1998

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	3.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	4.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.6
Average width of emergent and floating-leaved zone (ft.)	109.0
Average lake depth (m)	1.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
slender naiad*	<i>Najas minor</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
bog-moss	<i>Mayaca fluviatilis</i>	80
maidencane	<i>Panicum hemitomon</i>	80
torpedograss*	<i>Panicum repens</i>	80
slender spikerush	<i>Eleocharis baldwinii</i>	70
spatterdock	<i>Nuphar luteum</i>	70
wax myrtle	<i>Myrica cerifera</i>	60
cat-tail	<i>Typha spp.</i>	60
rush fuirena	<i>Fuirena scirpoidea</i>	50
St. John's wort	<i>Hypericum spp.</i>	50
banana-lily	<i>Nymphoides aquatica</i>	40
tapegrass	<i>Vallisneria americana</i>	40
bacopa	<i>Bacopa monnieri</i>	30
buttonbush	<i>Cephalanthus occidentalis</i>	30
duck-potato	<i>Sagittaria lancifolia</i>	30
water primrose	<i>Ludwigia spp.</i>	20
Egyptian paspalidium	<i>Paspalidium geminatum</i>	20
bald cypress	<i>Taxodium distichum</i>	20
southern cutgrass	<i>Leersia hexandra</i>	10
variable-leaf milfoil	<i>Myriophyllum heterophyllum</i>	10
purple bladderwort	<i>Utricularia purpurea</i>	10

# Tohopekaliga / Osceola

Aquatic plant data collected on June 13, 2000

Percent area covered with aquatic vegetation (PAC, %)	60.0
Percent of lake's volume filled with vegetation (PVI, %)	19.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	12.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	8.1
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	10.8
Average width of emergent and floating-leaved zone (ft.)	701.9
Average lake depth (m)	1.6

Frequency that plant species occur in 25 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	96
cat-tail	<i>Typha spp.</i>	92
hydrilla*	<i>Hydrilla verticillata</i>	88
spatterdock	<i>Nuphar luteum</i>	68
giant bulrush	<i>Scirpus californicus</i>	68
maidencane	<i>Panicum heritomom</i>	64
American lotus	<i>Nelumbo lutea</i>	60
coontail	<i>Ceratophyllum demersum</i>	28
pickerelweed	<i>Pontederia cordata</i>	24
green algae	<i>Chlorphyta</i>	20
fragrant water-lily	<i>Nymphaea odorata</i>	20
willow	<i>Salix spp.</i>	20
duck-potato	<i>Sagittaria lancifolia</i>	12
swamp rosemallow	<i>Hibiscus grandiflorus</i>	8
primrosewillow	<i>Ludwigia spp.</i>	8
tapegrass	<i>Vallisneria americana</i>	8
alligator-weed*	<i>Alternanthera philoxeroides</i>	4
bacopa	<i>Bacopa monnieri</i>	4
musk-grass	<i>Chara spp.</i>	4
flatsedge	<i>Cyperus odoratus</i>	4
slender spikerush	<i>Eleocharis baldwinii</i>	4
water-pennywort	<i>Hydrocotyle umbellata</i>	4
common duckweed	<i>Lemna minor</i>	4
wax myrtle	<i>Myrica cerifera</i>	4
banana-lily	<i>Nymphoides aquatica</i>	4
torpedograss*	<i>Panicum repens</i>	4
water-lettuce*	<i>Pistia stratiotes</i>	4
burhead sedge*	<i>Scirpus cubensis</i>	4
bald cypress	<i>Taxodium distichum</i>	4

# Tohopekaliga / Osceola

Aquatic plant data collected on June 14, 2005

Percent area covered with aquatic vegetation (PAC, %)	16.0
Percent of lake's volume filled with vegetation (PVI, %)	5.2
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	2.5
Average width of emergent and floating-leaved zone (ft.)	1467.3
Average lake depth (m)	2.0

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
alligator-weed*	<i>Alternanthera philoxeroides</i>	95
Egyptian paspalidium	<i>Paspalidium geminatum</i>	95
hydrilla*	<i>Hydrilla verticillata</i>	80
green algae	<i>Chlorphyta</i>	70
American lotus	<i>Nelumbo lutea</i>	70
haspan flatsedge	<i>Cyperus haspan</i>	65
torpedograss*	<i>Panicum repens</i>	65
pickerelweed	<i>Pontederia cordata</i>	65
denseflower knotweed	<i>Polygonum densiflorum</i>	55
cypress spp.	<i>Taxodium spp.</i>	55
southern water-grass	<i>Luziola fluitans</i>	50
floating water-hyacinth*	<i>Eichhornia crassipes</i>	45
swamp rosemallow	<i>Hibiscus grandiflorus</i>	45
American cupscale	<i>Sacciolepis striata</i>	45
cat-tail	<i>Typha spp.</i>	45
common duckweed	<i>Lemna minor</i>	40
giant bulrush	<i>Scirpus californicus</i>	40
red ludwigia	<i>Ludwigia repens</i>	35
water primrose	<i>Ludwigia spp.</i>	35
water-pennywort	<i>Hydrocotyle umbellata</i>	30
spatterdock	<i>Nuphar luteum</i>	30
maidencane	<i>Panicum hemitomon</i>	30
water-lettuce*	<i>Pistia stratiotes</i>	30
common salvinia	<i>Salvinia minima</i>	30
Walter's-millet	<i>Echinochloa walteri</i>	25
smartweed	<i>Polygonum hydropiperoides</i>	25
coontail	<i>Ceratophyllum demersum</i>	20
jointed flatsedge	<i>Cyperus articulatus</i>	20
giant duckweed	<i>Spirodela polyrhiza</i>	20
soft rush	<i>Juncus effusus</i>	15
wax myrtle	<i>Myrica cerifera</i>	15
willow	<i>Salix spp.</i>	15
slender spikerush	<i>Eleocharis baldwinii</i>	10
jointed spikerush	<i>Eleocharis interstincta</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
duck-potato	<i>Sagittaria lancifolia</i>	10
burhead sedge*	<i>Scirpus cubensis</i>	10
sand cordgrass	<i>Spartina bakeri</i>	10
red maple	<i>Acer rubrum</i>	5
beggar-ticks	<i>Bidens spp.</i>	5
elephant-ear*	<i>Colocasia esculenta</i>	5
loblolly bay	<i>Gordonia lasianthus</i>	5
frog's-bit	<i>Limnobium spongia</i>	5

southern naiad	<i>Najas guadalupensis</i>	5
elderberry	<i>Sambucus canadensis</i>	5
three-square	<i>Scirpus americanus</i>	5

# Tohopekaliga / Osceola

Aquatic plant data collected on July 18, 2007

Percent area covered with aquatic vegetation (PAC, %)	64.0
Percent of lake's volume filled with vegetation (PVI, %)	30.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.0
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.8
Average width of emergent and floating-leaved zone (ft.)	1321.5
Average lake depth (m)	1.9

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	100
hydrilla*	<i>Hydrilla verticillata</i>	95
alligator-weed*	<i>Alternanthera philoxeroides</i>	80
American lotus	<i>Nelumbo lutea</i>	80
pickerelweed	<i>Pontederia cordata</i>	75
cat-tail	<i>Typha spp.</i>	75
tapegrass	<i>Vallisneria americana</i>	65
water primrose	<i>Ludwigia spp.</i>	55
maiden cane	<i>Panicum hemitomon</i>	55
smartweed	<i>Polygonum hydropiperoides</i>	55
willow	<i>Salix spp.</i>	55
duck-potato	<i>Sagittaria lancifolia</i>	45
giant bulrush	<i>Scirpus californicus</i>	45
bald cypress	<i>Taxodium distichum</i>	40
barnyard grass*	<i>Echinochloa crusgalli</i>	35
Mallows	<i>Hibiscus spp.</i>	30
spatterdock	<i>Nuphar luteum</i>	30
torpedograss*	<i>Panicum repens</i>	30
coontail	<i>Ceratophyllum demersum</i>	25
slender spikerush	<i>Eleocharis baldwinii</i>	25
club-rush	<i>Eleocharis cellulosa</i>	25
water-pennywort	<i>Hydrocotyle umbellata</i>	25
common salvinia	<i>Salvinia minima</i>	25
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
southern water-grass	<i>Luziola fluitans</i>	20
flatsedge	<i>Cyperus odoratus</i>	15
banana-lily	<i>Nymphoides aquatica</i>	15
leconte sedge	<i>Cyperus lecontei</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
wax myrtle	<i>Myrica cerifera</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10
azolla	<i>Azolla caroliniana</i>	5
lemon bacopa	<i>Bacopa caroliniana</i>	5
elephant-ear*	<i>Colocasia esculenta</i>	5
Manatee mudflower	<i>Micranthemum glomeratum</i>	5
parrot's-feather*	<i>Myriophyllum aquaticum</i>	5
southern naiad	<i>Najas guadalupensis</i>	5
common arrowhead	<i>Sagittaria latifolia</i>	5
three-square	<i>Scirpus americanus</i>	5
bladderwort	<i>Utricularia foliosa</i>	5

# Tohopekaliga / Osceola

Aquatic plant data collected on August 5, 2009

Percent area covered with aquatic vegetation (PAC, %)	.
Percent of lake's volume filled with vegetation (PVI, %)	.
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.7
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	3.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	6.0
Average width of emergent and floating-leaved zone (ft.)	2517.2
Average lake depth (m)	.

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Egyptian paspalidium	<i>Paspalidium germinatum</i>	100
cat-tail	<i>Typha spp.</i>	85
pickerelweed	<i>Pontederia cordata</i>	80
giant bulrush	<i>Scirpus californicus</i>	75
tapegrass	<i>Vallisneria americana</i>	65
hydrilla*	<i>Hydrilla verticillata</i>	60
water primrose	<i>Ludwigia spp.</i>	60
maidencane	<i>Panicum hemitomon</i>	60
smartweed	<i>Polygonum hydropiperoides</i>	60
duck-potato	<i>Sagittaria lancifolia</i>	55
alligator-weed*	<i>Alternanthera philoxeroides</i>	50
willow	<i>Salix spp.</i>	45
American lotus	<i>Nelumbo lutea</i>	40
sesbans	<i>Sesbania spp.</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	35
bald cypress	<i>Taxodium distichum</i>	35
floating water-hyacinth*	<i>Eichhornia crassipes</i>	30
fragrant water-lily	<i>Nymphaea odorata</i>	30
club-rush	<i>Eleocharis cellulosa</i>	25
common salvinia	<i>Salvinia minima</i>	25
coontail	<i>Ceratophyllum demersum</i>	20
wax myrtle	<i>Myrica cerifera</i>	20
Brazilian pepper*	<i>Schinus terebinthifolius</i>	20
tropical flatsedge	<i>Cyperus surinamensis</i>	15
swamp rosemallow	<i>Hibiscus grandiflorus</i>	15
red ludwigia	<i>Ludwigia repens</i>	15
southern naiad	<i>Najas guadalupensis</i>	15
spatterdock	<i>Nuphar luteum</i>	15
bladderwort	<i>Utricularia foliosa</i>	15
elephant-ear*	<i>Colocasia esculenta</i>	10
flatsedge	<i>Cyperus odoratus</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
common duckweed	<i>Lemna minor</i>	10
southern water-grass	<i>Luziola fluitans</i>	10
torpedograss*	<i>Panicum repens</i>	10
water-lettuce*	<i>Pistia stratiotes</i>	10
soft stem bulrush	<i>Scirpus validus</i>	10
red maple	<i>Acer rubrum</i>	5
azolla	<i>Azolla caroliniana</i>	5
lemon bacopa	<i>Bacopa caroliniana</i>	5
musk-grass	<i>Chara spp.</i>	5
Baldwin flatsedge	<i>Cyperus globulosus</i>	5
manyspike flatsedge	<i>Cyperus polystachyos</i>	5

barnyard grass*	<i>Echinochloa crusgalli</i>	5
water spikerush	<i>Eleocharis elongata</i>	5
water-pennywort	<i>Hydrocotyle umbellata</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
baby-tears	<i>Micranthemum umbrosum</i>	5
banana-lily	<i>Nymphoides aquatica</i>	5
American cupscale	<i>Sacciolepis striata</i>	5
common arrowhead	<i>Sagittaria latifolia</i>	5
fire flag	<i>Thalia geniculata</i>	5

# Tohopekaliga East / Osceola

Aquatic plant data collected on June 8, 1999

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	2.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.3
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average width of emergent and floating-leaved zone (ft.)	439.5
Average lake depth (m)	2.9

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
giant bulrush	<i>Scirpus californicus</i>	100
torpedograss*	<i>Panicum repens</i>	75
Egyptian paspalidium	<i>Paspalidium geminatum</i>	60
cat-tail	<i>Typha spp.</i>	55
tapegrass	<i>Vallisneria americana</i>	55
musk-grass	<i>Chara spp.</i>	45
spatterdock	<i>Nuphar luteum</i>	45
maidencane	<i>Panicum hemitomon</i>	45
dwarf arrowhead	<i>Sagittaria subulata</i>	40
slender spikerush	<i>Eleocharis baldwinii</i>	30
pickerelweed	<i>Pontederia cordata</i>	30
willow	<i>Salix spp.</i>	30
rush fuirena	<i>Fuirena scirpoidea</i>	15
fragrant water-lily	<i>Nymphaea odorata</i>	15
bladderwort	<i>Utricularia foliosa</i>	10
fanwort	<i>Cabomba caroliniana</i>	5
stonewort	<i>Nitella spp.</i>	5
elderberry	<i>Sambucus canadensis</i>	5
cone-spur bladderwort	<i>Utricularia gibba</i>	5

# Tohopekaliga East / Osceola

Aquatic plant data collected on August 7, 2001

Percent area covered with aquatic vegetation (PAC, %)	8.0
Percent of lake's volume filled with vegetation (PVI, %)	0.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.8
Average width of emergent and floating-leaved zone (ft.)	509.0
Average lake depth (m)	3.5

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<b>Common Name</b>	<b>Plant Species</b>	<b>Frequency (%)</b>
giant bulrush	<i>Scirpus californicus</i>	100
tapegrass	<i>Vallisneria americana</i>	80
torpedograss*	<i>Panicum repens</i>	60
Egyptian paspalidium	<i>Paspalidium geminatum</i>	50
maidencane	<i>Panicum hemitomon</i>	35
cat-tail	<i>Typha spp.</i>	35
spatterdock	<i>Nuphar luteum</i>	30
slender spikerush	<i>Eleocharis baldwinii</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
green algae	<i>Chlorphyta</i>	15
rush fuirena	<i>Fuirena scirpoidea</i>	15
willow	<i>Salix spp.</i>	15
pickerelweed	<i>Pontederia cordata</i>	10
Illinois pondweed	<i>Potamogeton illinoensis</i>	10
lemon bacopa	<i>Bacopa caroliniana</i>	5
water primrose	<i>Ludwigia spp.</i>	5
wax myrtle	<i>Myrica cerifera</i>	5
American lotus	<i>Nelumbo lutea</i>	5
fragrant water-lily	<i>Nymphaea odorata</i>	5
duck-potato	<i>Sagittaria lancifolia</i>	5
bladderwort	<i>Utricularia foliosa</i>	5

# Tohopekaliga East / Osceola

Aquatic plant data collected on June 17, 2004

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	1.8
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	5.4
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average width of emergent and floating-leaved zone (ft.)	1012.6
Average lake depth (m)	2.4

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
giant bulrush	<i>Scirpus californicus</i>	95
slender spikerush	<i>Eleocharis baldwinii</i>	90
torpedograss*	<i>Panicum repens</i>	80
pickerelweed	<i>Pontederia cordata</i>	75
Illinois pondweed	<i>Potamogeton illinoensis</i>	75
Egyptian paspalidium	<i>Paspalidium geminatum</i>	70
water-pennywort	<i>Hydrocotyle umbellata</i>	65
spatterdock	<i>Nuphar luteum</i>	65
cat-tail	<i>Typha spp.</i>	65
tapegrass	<i>Vallisneria americana</i>	60
water primrose	<i>Ludwigia spp.</i>	55
bladderwort	<i>Utricularia foliosa</i>	55
wax myrtle	<i>Myrica cerifera</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
lemon bacopa	<i>Bacopa caroliniana</i>	45
maidencane	<i>Panicum hemitomon</i>	45
duck-potato	<i>Sagittaria lancifolia</i>	45
coontail	<i>Ceratophyllum demersum</i>	40
willow	<i>Salix spp.</i>	40
fanwort	<i>Cabomba caroliniana</i>	35
floating water-hyacinth*	<i>Eichhornia crassipes</i>	35
burhead sedge*	<i>Scirpus cubensis</i>	35
purple bladderwort	<i>Utricularia purpurea</i>	35
alligator-weed*	<i>Alternanthera philoxeroides</i>	30
hydrilla*	<i>Hydrilla verticillata</i>	30
common salvinia	<i>Salvinia minima</i>	30
cone-spur bladderwort	<i>Utricularia gibba</i>	25
elephant-ear*	<i>Colocasia esculenta</i>	20
southern naiad	<i>Najas guadalupensis</i>	20
banana-lily	<i>Nymphoides aquatica</i>	20
smartweed	<i>Polygonum hydropiperoides</i>	20
red maple	<i>Acer rubrum</i>	15
red root	<i>Lachnanthes caroliniana</i>	15
baby-tears	<i>Micranthemum umbrosum</i>	15
stonewort	<i>Nitella spp.</i>	15
variableleaf pondweed	<i>Potamogeton diversifolius</i>	15
common arrowhead	<i>Sagittaria latifolia</i>	15
elderberry	<i>Sambucus canadensis</i>	15
buttonbush	<i>Cephalanthus occidentalis</i>	10
rush fuirena	<i>Fuirena scirpoidea</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
American lotus	<i>Nelumbo lutea</i>	10
knot grass	<i>Paspalum distichum</i>	10

azolla	<i>Azolla caroliniana</i>	5
purple fanwort	<i>Cabomba pulcherrima</i>	5
flatsedge	<i>Cyperus odoratus</i>	5
club-rush	<i>Eleocharis cellulosa</i>	5
large-headed rush	<i>Juncus megacephalus</i>	5
bulrush spp.	<i>Juncus spp.</i>	5
common duckweed	<i>Lemna minor</i>	5
southern water-grass	<i>Luziola fluitans</i>	5
.	<i>Lyngbya spp.</i>	5
Manatee mudflower	<i>Micranthemum glomeratum</i>	5
parrot's-feather*	<i>Myriophyllum aquaticum</i>	5
arrow-arum	<i>Peltandra virginica</i>	5
common reed	<i>Phragmites australis</i>	5
denseflower knotweed	<i>Polygonum densiflorum</i>	5

# Tohopekaliga East / Osceola

Aquatic plant data collected on June 28, 2006

Percent area covered with aquatic vegetation (PAC, %)	6.0
Percent of lake's volume filled with vegetation (PVI, %)	1.1
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.2
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.1
Average width of emergent and floating-leaved zone (ft.)	1184.8
Average lake depth (m)	2.5

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
giant bulrush	<i>Scirpus californicus</i>	100
slender spikerush	<i>Eleocharis baldwinii</i>	95
spatterdock	<i>Nuphar luteum</i>	90
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	85
cat-tail	<i>Typha spp.</i>	85
water primrose	<i>Ludwigia spp.</i>	75
duck-potato	<i>Sagittaria lancifolia</i>	75
common salvinia	<i>Salvinia minima</i>	75
tapegrass	<i>Vallisneria americana</i>	75
willow	<i>Salix spp.</i>	70
maidencane	<i>Panicum hemitomon</i>	65
wax myrtle	<i>Myrica cerifera</i>	60
fragrant water-lily	<i>Nymphaea odorata</i>	55
Egyptian paspalidium	<i>Paspalidium geminatum</i>	55
southern water-grass	<i>Luziola fluitans</i>	50
water-pennywort	<i>Hydrocotyle umbellata</i>	45
Illinois pondweed	<i>Potamogeton illinoensis</i>	45
bladderwort	<i>Utricularia foliosa</i>	40
hydrilla*	<i>Hydrilla verticillata</i>	35
purple bladderwort	<i>Utricularia purpurea</i>	35
red root	<i>Lachnanthes caroliniana</i>	30
Asian marshweed*	<i>Limnophila sessiliflora</i>	30
elephant-ear*	<i>Colocasia esculenta</i>	25
stonewort	<i>Nitella spp.</i>	25
lemon bacopa	<i>Bacopa caroliniana</i>	20
buttonbush	<i>Cephalanthus occidentalis</i>	20
coontail	<i>Ceratophyllum demersum</i>	20
floating water-hyacinth*	<i>Eichhornia crassipes</i>	20
common arrowhead	<i>Sagittaria latifolia</i>	20
dwarf arrowhead	<i>Sagittaria subulata</i>	20
alligator-weed*	<i>Alternanthera philoxeroides</i>	15
southern naiad	<i>Najas guadalupensis</i>	15
elderberry	<i>Sambucus canadensis</i>	15
salt-bush	<i>Baccharis spp.</i>	10
coinwort	<i>Centella asiatica</i>	10
Mallows	<i>Hibiscus spp.</i>	10
red ludwigia	<i>Ludwigia repens</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
smartweed	<i>Polygonum hydropiperoides</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10
red maple	<i>Acer rubrum</i>	5

musk-grass	<i>Chara spp.</i>	5
green algae	<i>Chlorphyta</i>	5
haspan flatsedge	<i>Cyperus haspan</i>	5
spikerushes	<i>Eleocharis spp.</i>	5
rush fuirena	<i>Fuirena scirpoidea</i>	5
umbrella-grass	<i>Fuirena squarrosa</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
water-lettuce*	<i>Pistia stratiotes</i>	5
denseflower knotweed	<i>Polygonum densiflorum</i>	5
burhead sedge*	<i>Scirpus cubensis</i>	5
para grass*	<i>Urochloa mutica</i>	5
Florida bladderwort	<i>Utricularia floridana</i>	5
cone-spur bladderwort	<i>Utricularia gibba</i>	5

# Tohopekaliga East / Osceola

Aquatic plant data collected on August 5, 2008

Percent area covered with aquatic vegetation (PAC, %)	5.0
Percent of lake's volume filled with vegetation (PVI, %)	0.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	2.0
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.3
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	1.7
Average width of emergent and floating-leaved zone (ft.)	1320.9
Average lake depth (m)	2.6

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
giant bulrush	<i>Scirpus californicus</i>	100
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
water primrose	<i>Ludwigia spp.</i>	85
duck-potato	<i>Sagittaria lancifolia</i>	85
cat-tail	<i>Typha spp.</i>	85
Illinois pondweed	<i>Potamogeton illinoensis</i>	80
purple bladderwort	<i>Utricularia purpurea</i>	75
slender spikerush	<i>Eleocharis baldwinii</i>	70
willow	<i>Salix spp.</i>	65
water-pennywort	<i>Hydrocotyle umbellata</i>	55
spatterdock	<i>Nuphar luteum</i>	55
Egyptian paspalidium	<i>Paspalidium geminatum</i>	55
maidencane	<i>Panicum hemitomon</i>	50
common salvinia	<i>Salvinia minima</i>	50
bladderwort	<i>Utricularia foliosa</i>	50
southern water-grass	<i>Luziola fluitans</i>	45
fragrant water-lily	<i>Nymphaea odorata</i>	45
tapegrass	<i>Vallisneria americana</i>	45
alligator-weed*	<i>Alternanthera philoxeroides</i>	40
lemon bacopa	<i>Bacopa caroliniana</i>	35
elephant-ear*	<i>Colocasia esculenta</i>	35
red root	<i>Lachnanthes caroliniana</i>	35
American lotus	<i>Nelumbo lutea</i>	35
sesbans	<i>Sesbania spp.</i>	35
club-rush	<i>Eleocharis cellulosa</i>	30
flatsedge	<i>Cyperus odoratus</i>	25
rush fuirena	<i>Fuirena scirpoidea</i>	25
swamp rosemallow	<i>Hibiscus grandiflorus</i>	25
wax myrtle	<i>Myrica cerifera</i>	25
stonewort	<i>Nitella spp.</i>	25
banana-lily	<i>Nymphoides aquatica</i>	25
smartweed	<i>Polygonum hydropiperoides</i>	25
yellow-eyed grass	<i>Xyris spp.</i>	25
dwarf arrowhead	<i>Sagittaria subulata</i>	20
baby-tears	<i>Micranthemum umbrosum</i>	15
burhead sedge*	<i>Scirpus cubensis</i>	15
red maple	<i>Acer rubrum</i>	10
purple fanwort	<i>Cabomba pulcherrima</i>	10
buttonbush	<i>Cephalanthus occidentalis</i>	10
barnyard grass*	<i>Echinochloa crusgalli</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	10
coontail	<i>Ceratophyllum demersum</i>	5

water hemlock	<i>Cicuta mexicana</i>	5
haspan flatsedge	<i>Cyperus haspan</i>	5
leconte sedge	<i>Cyperus lecontei</i>	5
Virginia buttonweed	<i>Diodia virginiana</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
hydrilla*	<i>Hydrilla verticillata</i>	5
frog's-bit	<i>Limnobium spongia</i>	5
red ludwigia	<i>Ludwigia repens</i>	5
southern naiad	<i>Najas guadalupensis</i>	5
marsh fleabane	<i>Pluchea spp.</i>	5
inundated beaksedge	<i>Rhynchospora inundata</i>	5
American cupscale	<i>Sacciolepis striata</i>	5
common arrowhead	<i>Sagittaria latifolia</i>	5
Brazilian pepper*	<i>Schinus terebinthifolius</i>	5
three-square	<i>Scirpus americanus</i>	5
chickenspike*	<i>Sphenoclea zeylanica</i>	5
respuinata bladderwort	<i>Utricularia resupinata</i>	5

# Tohopekaliga East / Osceola

Aquatic plant data collected on July 14, 2010

Percent area covered with aquatic vegetation (PAC, %)	18.0
Percent of lake's volume filled with vegetation (PVI, %)	1.0
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	4.2
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.8
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	3.6
Average width of emergent and floating-leaved zone (ft.)	1809.5
Average lake depth (m)	2.5

Frequency that plant species occur in 20 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
Illinois pondweed	<i>Potamogeton illinoensis</i>	100
giant bulrush	<i>Scirpus californicus</i>	100
torpedograss*	<i>Panicum repens</i>	95
tapegrass	<i>Vallisneria americana</i>	85
cat-tail	<i>Typha spp.</i>	80
spatterdock	<i>Nuphar luteum</i>	65
maidencane	<i>Panicum hemitomon</i>	60
willow	<i>Salix spp.</i>	60
Egyptian paspalidium	<i>Paspalidium geminatum</i>	55
pickerelweed	<i>Pontederia cordata</i>	55
slender spikerush	<i>Eleocharis baldwinii</i>	50
fragrant water-lily	<i>Nymphaea odorata</i>	50
dwarf arrowhead	<i>Sagittaria subulata</i>	50
duck-potato	<i>Sagittaria lancifolia</i>	40
lemon bacopa	<i>Bacopa caroliniana</i>	35
wax myrtle	<i>Myrica cerifera</i>	35
purple bladderwort	<i>Utricularia purpurea</i>	35
water primrose	<i>Ludwigia spp.</i>	30
swamp rosemallow	<i>Hibiscus grandiflorus</i>	25
water-pennywort	<i>Hydrocotyle umbellata</i>	25
red maple	<i>Acer rubrum</i>	20
fanwort	<i>Cabomba caroliniana</i>	20
elephant-ear*	<i>Colocasia esculenta</i>	20
buttonbush	<i>Cephaelanthus occidentalis</i>	15
rush fiurena	<i>Fuirena scirpoidea</i>	15
southern naiad	<i>Najas guadalupensis</i>	15
banana-lily	<i>Nymphoides aquatica</i>	15
cone-spur bladderwort	<i>Utricularia gibba</i>	15
alligator-weed*	<i>Alternanthera philoxeroides</i>	10
frog's-bit	<i>Limnobium spongia</i>	10
baby-tears	<i>Micranthemum umbrosum</i>	10
common salvinia	<i>Salvinia minima</i>	10
sesbans	<i>Sesbania spp.</i>	10
bladderwort	<i>Utricularia foliosa</i>	10
floating water-hyacinth*	<i>Eichhornia crassipes</i>	5
jointed spikerush	<i>Eleocharis interstincta</i>	5
hydrilla*	<i>Hydrilla verticillata</i>	5
common duckweed	<i>Lemna minor</i>	5
American lotus	<i>Nelumbo lutea</i>	5
water-lettuce*	<i>Pistia stratiotes</i>	5
American cupscale	<i>Sacciolepis striata</i>	5
common arrowhead	<i>Sagittaria latifolia</i>	5
Chinese tallow*	<i>Sapium sebiferum</i>	5

Brazilian pepper*	<i>Schinus terebinthifolius</i>	5
three-square	<i>Scirpus americanus</i>	5

# Trout / Osceola

Aquatic plant data collected on June 30, 1993

Percent area covered with aquatic vegetation (PAC, %)	2.0
Percent of lake's volume filled with vegetation (PVI, %)	0.4
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	3.1
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	1.5
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	186.0
Average lake depth (m)	1.9

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
spatterdock	<i>Nuphar luteum</i>	100
pickerelweed	<i>Pontederia cordata</i>	100
wax myrtle	<i>Myrica cerifera</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	70
maidencane	<i>Panicum hemitomon</i>	70
duck-potato	<i>Sagittaria lancifolia</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
cat-tail	<i>Typha spp.</i>	60
Baldwin flatsedge	<i>Cyperus globulosus</i>	50
rush fuirena	<i>Fuirena scirpoidea</i>	50
torpedograss*	<i>Panicum repens</i>	40
buttonbush	<i>Cephalanthus occidentalis</i>	30
salt-bush	<i>Baccharis spp.</i>	20
green algae	<i>Chlorphyta</i>	20
haspan flatsedge	<i>Cyperus haspan</i>	20
willow	<i>Salix spp.</i>	20
bladderwort	<i>Utricularia foliosa</i>	20
purple bladderwort	<i>Utricularia purpurea</i>	20
sawgrass	<i>Cladium jamaicense</i>	10
Brazilian elodea*	<i>Egeria densa</i>	10
slender spikerush	<i>Eleocharis baldwinii</i>	10
water primrose	<i>Ludwigia spp.</i>	10
banana-lily	<i>Nymphoides aquatica</i>	10
variableleaf pondweed	<i>Potamogeton diversifolius</i>	10

# Trout / Osceola

Aquatic plant data collected on June 10, 1998

Percent area covered with aquatic vegetation (PAC, %)	10.0
Percent of lake's volume filled with vegetation (PVI, %)	3.9
Average emergent plant biomass (kg wet wt/m <sup>2</sup> )	6.9
Average floating-leaved plant biomass (kg wet wt/m <sup>2</sup> )	2.7
Average submersed plant biomass (kg wet wt/m <sup>2</sup> )	0.0
Average width of emergent and floating-leaved zone (ft.)	121.5
Average lake depth (m)	1.7

Frequency that plant species occur in 10 evenly spaced transects around the lake.

\* Indicates non-native plant species

<u>Common Name</u>	<u>Plant Species</u>	<u>Frequency (%)</u>
wax myrtle	<i>Myrica cerifera</i>	90
spatterdock	<i>Nuphar luteum</i>	90
fragrant water-lily	<i>Nymphaea odorata</i>	90
maidencane	<i>Panicum hemitomon</i>	90
torpedograss*	<i>Panicum repens</i>	90
pickerelweed	<i>Pontederia cordata</i>	90
duck-potato	<i>Sagittaria lancifolia</i>	60
giant bulrush	<i>Scirpus californicus</i>	60
cat-tail	<i>Typha spp.</i>	60
St. John's wort	<i>Hypericum spp.</i>	50
haspan flatsedge	<i>Cyperus haspan</i>	40
water primrose	<i>Ludwigia spp.</i>	30
buttonbush	<i>Cephaelanthus occidentalis</i>	20
water-pennywort	<i>Hydrocotyle umbellata</i>	20
red ludwigia	<i>Ludwigia repens</i>	20
banana-lily	<i>Nymphoides aquatica</i>	20
bur marigold	<i>Bidens mitis</i>	10
flat sedge spp.	<i>Cyperus spp.</i>	10
inundated beaksedge	<i>Rhynchospora inundata</i>	10