

# Aquatic plant survey of Burnett County Boat Landings

Performed August 2012 by Russ Schaffenberg, Consultant

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## Purpose

To search for the presence of non-native aquatic invasive plant species, especially Eurasian water milfoil and curly leaf pondweed, and to document native aquatic plant species present at Burnett County boat landings.

## Summary

Due to a compressed work schedule, twenty five boat landings were visited in just 4 days, August 11, 12, 23 and 24, 2012. At most locations, there was a firm bottom, which allowed the area near the landing to be searched by wading. At several locations, a larger area was searched by kayak or by swimming with snorkel, mask and fins.

No aquatic invasive plants were observed, but **three invasive wetland species, purple loosestrife, Phragmites and reed canary grass** were documented at several locations (**shown in summary below in bold type**). Since the focus was primarily aquatic plants, except for these invasive species, no attempt was made to fully account for all the native emergent and shoreline plant species, although some are listed.

Six species listed by the DNR as rare were documented, some at several locations (underlined in summary below). Selected specimens were submitted to the UW-Madison Herbarium (DNR E/T Permit #662).

## Listing of Plant Species

Prinel Lake T41-R14-S7: Eleocharis palustris, E. acicularis, Vallisneria, Dulichium, Najas flexilis, Pontederia, Utricularia gibba, fern and ribbon-leaf pondweed.

Nicaboyne Lake T41-R14-S35: Vallisneria, Najas flexilis, pipewort, Elatine minima, water smartweed, Nuphar variegata, Sagittaria, Brasenia, Elodea canadensis, E. nuttallii, pipewort, Ranunculus acicularis, Myriophyllum sibiricum, Potamogetons: fern, variable, clasping-lf, foliosus, flat stem, white stem, large leaf, pusillus ssp. tenuissimus, confervoides

Lily Lake T41-R14-S34: Schoenoplectus subterminalis, S. pungens, Eleocharis acicularis, E. palustris, pipewort, Cyperus bipartitus, Utricularia purpurea, Najas gracillima, Potamogetons: spirillus, bicupulatus, pusillus ssp. tenuissimus, epihydrus

Goose Lake T40-R14-S2: Pontederia, Dulichium, Brasenia, pipewort, Nuphar variegata, Nymphaea odorata, Schoenoplectus subterminalis, S. torreyi, Utricularia gibba, U. purpurea, Eleocharis robbinsii, Potamogeton natans

Rooney Lake T40-R14-S 11: Elodea canadensis, Vallisneria, Dulichium, pipewort, Brasenia, Sagittaria, Pontederia, Nymphaea odorata, Eleocharis acicularis, E. palustris, Schoenoplectus subterminalis, S. pungens, Elatine minima, Potamogetons: fern, variable, large-leaf, spirillus

Birch Island T40-R14-S7: Vallisneria, Najas flexilis, Brasenia, pipewort, Pontederia, Ranunculus acicularis, Schoenoplectus pungens, Megalodonta beckii, Elodea canadensis, Potamogetons: spirillus, fern, variable, large-leaf

Fish Lake T40-R14-S8: Schoenoplectus pungens, Vallisneria, Najas flexilis, Elodea Canadensis, Myriophyllum sibiricum, Nuphar variegata, Potamogetons: flat-stem, large-leaf, fern

Des Moines Lake T41-R14-S28: Schoenoplectus pungens, Eleocharis palustris, E. acicularis, Nuphar variegata, Vallisneria, Myriophyllum sibiricum, M. alterniflorum, Najas flexilis, Stuckenia pectinata, Potamogetons: spirillus, variable, white-stem, fern, flat-stem, clasping-leaf, **purple loostrife**

Long Lake T41-R14-S33: Schoenoplectus pungens, Najas flexilis, Vallisneria, Myriophyllum sibiricum, Megalodonta beckii, Elatine minima, Stuckenia pectinata, Potamogetons: flat-stem, variable, fern, clasping-leaf, large-leaf, strictifolius, **purple loostrife. Note that this is also present south from here in wet ditches along Long Lake Road and by Hanscom Lake.**

Birch Island Lake T40-R15-S13: Schoenoplectus pungens, Nuphar variegata, Nymphaea odorata, Pontederia, Brasenia, Najas flexilis, pipewort, Vallisneria, Ranunculus acicularis, Potamogetons: fern, variable

Bonner Lake T40-R15-S24: Pontederia, Brasenia, Dulichium, Sagittaria, pipewort, Ranunculus acicularis, Potamogetons: epiphydrus, bicupulatus

Sand Lake T40-R15-S26: Schoenoplectus tabernaemontani, S. pungens, Sagittaria, Najas flexilis, Myriophyllum tenellum, M. sibiricum, Ranunculus acicularis, Vallisneria, Utricularia resupinata, Potamogetons: spirillus, variable, flat-stem, pusillus ssp. tenuissimus, nodosus, illinoensis

Mallard Lake T39-R15-S1: Schoenoplectus pungens, Brasenia, Nymphaea odorata, Najas flexilis, Ranunculus acicularis, Elodea Canadensis, Vallisneria, Myriophyllum sibiricum, Potamogetons: fern, variable, flat-stem

Point Lake T40-R15-S28: Schoenoplectus tabernaemontani, Dulichium, Brasenia, Pontederia, Nymphaea odorata, Elatine minima, pipewort, Eleocharis palustris, Najas flexilis, Vallisneria, Ranunculus acicularis, Utricularia gibba, U. intermedia, U. purpurea, Potamogetons: fern, large-leaf, floating-leaf, variable

Banach Lake T40-R15-S29: Schoenoplectus torreyi, Eleocharis robbinsii, Dulichium, Pontederia, Brasenia, Nuphar variegata, Nymphaea odorata, Vallisneria, pipewort, Elatine minima, Najas gracillima, Utricularia gibba, Potamogetons: bicupulatus, fern

North Lake T40-R15-S31: Pontederia, Dulichium, Sagittaria, Brasenia, Nuphar variegata, Nymphaea odorata, Eleocharis palustris, Utricularia purpurea, U. intermedia, U. vulgaris, Potamogetons: large-leaf, fern, floating-leaf,

Big Lake T40-R15-S31: **Phragmites**, Sagittaria, Pontederia, Nuphar variegata, Nymphaea odorata, Utricularia purpurea, U. intermedia, U. gibba, Potamogetons: large-leaf, floating-leaf

Austin Lake T39-R15-S7: Schoenoplectus pungens, S. tabernaemontani, Brasenia, Nuphar variegata, Nymphaea odorata, Sagittaria, Eleocharis palustris, Pontederia, Megalodonta beckii, Najas gracillima, Myriophyllum sibericum, Utricularia gibba, Vallisneria, Potamogetons: large-leaf, fern, variable, flat-stem, white-stem

Conner's Lake T40-R16-S36: Typha, Sagittaria, Eleocharis palustris, Brasenia, Nuphar variegata, Nymphaea odorata, Pontederia, pipewort, Dulichium, Schoenoplectus torreyi, Vallisneria, Myriophyllum tenellum, Potamogetons: fern

Devil's Lake T40-R16-S35: Schoenoplectus pungens, Vallisneria, Najas flexilis, Ranunculus acicularis, coontail, Elodea Canadensis, Potamogetons: white-stem, variable, fern, large-leaf, clasping-leaf

Johnson Lake T40-R16-S24: Pontederia, Dulichium, Sagittaria, pipewort, Brasenia, Eleocharis palustris, Myriophyllum tenellum, Ranunculus acicularis, Vallisneria, Najas flexilis, Potamogetons: fern, epiphydrus

Falk Lake T40-R16-S2: Brasenia, Nuphar variegata, Elodea Canadensis, Ranunculus acicularis, coontail, Vallisneria, Najas flexilis, Myriophyllum sibericum, Elodea Canadensis, Potamogetons: large-leaf

Loon/Cadotte Lake T40-R15-S1: **Reed canary grass**, Typha, Nuphar variegata, Nymphaea odorata, Sagittaria, Pontederia, Schoenoplectus tabernaemontani, S. pungens, Eleocharis palustris, Dulichium, Eleocharis palustris, Myriophyllum sibericum, Najas flexilis, coontail, Ranunculus acicularis, Potamogetons: fern, variable, pusillus ssp. tenuissimus, epiphydrus, clasping-leaf, alpinus, floating-leaf, large-leaf

Johnson Lake T41-R15-S24: Eleocharis robbinsii, E. palustris, Sagittaria, Dulichium, pipewort, Nuphar variegata, Nymphaea odorata, Brasenia, Schoenoplectus subterminalis, Utricularia intermedia, U. gibba

Briggs Lake T41-R15-S29: **Phragmites**, Pontederia, wild rice, duckweed