

APPENDIX: A

The following is a listing of the sixty species of aquatic plants that Matthew L. Wagner found while performing aquatic plant surveys or while monitoring watercraft on Langlade County waterbodies during the 2011 field season. This is a listing of only “true” aquatic plants. Therefore, it contains no marginal plants, such as the many differing species of threatened orchids Mr. Wagner found growing on submerged logs in Langlade County lakes, and in the bogs surrounded Langlade County lakes.

Many of the species of aquatic plants in this report are Species of Special Concern, which means that they are rare, but not rare enough to be classified as “threatened” or “endangered”. Others are County Records, which means that Mr. Wagner is the first person to document (with voucher specimen) that the species in question in fact grows in Langlade County. Moreover, there are several species which are both County Records and Species of Special Concern. All of these species, along with all Aquatic Invasive Species are marked as such in this report.

All species of plants have had voucher specimens collected. These specimens have been professionally identified, dried, and mounted on archival quality paper with archival glue by Mr. Wagner. These specimens will be donated to the Robert W. Freckmann Herbarium at the University of Wisconsin-Stevens Point, and they will also be added to the “Plants of Wisconsin” database. This is the most commonly used database by professional botanists in Wisconsin. In so doing, the Langlade County Waterways Association and Mr. Wagner have added a tremendous amount of information to the knowledge of the range of native and non-native aquatic species in Langlade County and the State of Wisconsin. These specimens will also serve as educational materials for college students and may be used for future DNA studies.

Although Dr. Robert W. Freckmann, Professor Emeritus of Biology at the University of Wisconsin-Stevens Point, has yet annotate all of the species in this listing, it is quite reasonable to believe that Mr. Wagner has correctly identified the specimens, as he is considered by Dr. Freckmann to be “one of the finest and most capable field botanists in the entire State of Wisconsin”.

Taxon: Brasenia schreberi J.F.Gmel.

Taxon: Calla palustris L.

Taxon: Callitriche palustris L.

Taxon: Ceratophyllum demersum

Taxon: Ceratophyllum echinatum A.Gray SPECIES OF SPECIAL CONCERN

Taxon: Chara spp.

Taxon: Decodon verticillatus (L.) Elliott COUNTY RECORD

Taxon: Drosera rotundifolia L.

Taxon: Dulichium arundinaceum (L.) Britton var. arundinaceum

Taxon: Elatine minima (Nutt.) Fisch. & C.A.Mey.

Taxon: Elatine triandra Schkuhr COUNTY RECORD & SPECIES OF SPECIAL CONCERN

Taxon: Elodea canadensis Michx.

Taxon: Elodea nuttallii (Planch.) H.St.John COUNTY RECORD

Taxon: Equisetum fluviatile L.

Taxon: Eriocaulon aquaticum (Hill) Druce

Taxon: Heteranthera dubia (Jacq.) MacMill.

Taxon: Hypericum boreale (Britton) E.P.Bicknell

Taxon: Isoetes echinospora Durieu

Taxon: Lemna trisulca L.

Taxon: Lythrum salicaria L AQUATIC INVASIVE SPECIES

Taxon: Megalodonta beckii (Torr. ex Spreng.) Greene

Taxon: Myriophyllum sibiricum Kom.

Taxon: Myriophyllum spicatum AQUATIC INVASIVE SPEICES

Taxon: *Myriophyllum tenellum* Bigelow

Taxon: *Najas flexilis* (Willd.) Rostk. & W.L.E.Schmidt

Taxon: *Nasturtium officinale* R.Br. **AQUATIC INVASIVE SPECIES & COUNTY RECORD**

Taxon: *Nuphar microphylla* (Pers.) Fernald **COUNTY RECORD**

Taxon: *Nuphar variegata* Durand

Taxon: *Nymphaea odorata* Aiton

Taxon: *Polygonum amphibium* L.

Taxon: *Pontedaria cordata*

Taxon: *Potamogeton amplifolius* Tuck.

Taxon: *Potamogeton crispus* L. **AQUATIC INVASIVE SPECIES**

Taxon: *Potamogeton diversifolius* Raf. **SPECIES OF SPECIAL CONCERN & COUNTY RECORD**

Taxon: *Potamogeton epihydrus* Raf.

Taxon: *Potamogeton gramineus* L.

Taxon: *Potamogeton illinoensis* Morong

Taxon: *Potamogeton natans* L.

Taxon: *Potamogeton obtusifolius* Mert. & W.D.J.Koch **COUNTY RECORD**

Taxon: *Potamogeton praelongus* Wulfen

Taxon: *Potamogeton richardsonii* (A.Benn.) Rydb.

Taxon: *Potamogeton robbinsii* Oakes

Taxon: *Potamogeton vaseyi* J.W.Robbins **COUNTY RECORD**

Taxon: *Potamogeton zosteriformis* Fernald

Taxon: *Ranunculus aquatilis* L. var. *diffusus* With

Taxon: *Sagittaria cristata* Engelm.

Taxon: *Sagittaria latifolia* Willd.

Taxon: *Sagittaria rigida* Pursh

Taxon: Schoenoplectus tabernaemontani (C.C.Gmel.) Palla

Taxon: Scirpus atrovirens Willd.

Taxon: Scutellaria lateriflora L.

Taxon: Sparganium fluctuans (Engelm. ex Morong) B.L.Rob.

Taxon: Stuckenia pectinata (L.) Börner

Taxon: Utricularia purpurea Walter

SPECIES OF SPECIAL CONCERN

Taxon: Utricularia vulgaris L.

Taxon: Vallisneria americana Michx.

Taxon: Zannichellia palustris

COUNTY RECORD

Taxon: Zizania palustris L.