

LAKE EMILY

- Argentina anserina* (L.) Rydb., **silver-weed**. c=4. Shore. 1972, 2003.
- Asclepias incarnata* L., **swamp milkweed**. c=5. Shore. 1972, 2003.
- Aster lanceolatus* Willd., **white paniced aster**. c=4. Shore. 2003.
- Aster puniceus* L., **swamp aster**. c=5. Shore. 2004.
- Bidens cernuus* L, **nodding beggar-ticks**. c=4. Shore. 1973, 1975, 2003.
- Bidens frondosus* L., **common beggar-ticks**. c=1. Shore. 1973, 1975, 2003.
- Brasenia schreberi* Gmelin, **water-shield**. c=6. Rooted with floating leaves. 1972, 2003.
- Calamagrostis canadensis* (Michx.) Beauv., **blue-joint grass**. c=5. Shore. 1965, 2003.
- Carex comosa* Boott, **bristly sedge**. c=5. Shore. 1965, 2003.
- Carex hystericina* Muhl., **bottlebrush sedge**. c=3. Shore. 1965, 2003.
- Carex pellita* Muhl., **woolly sedge**. c=4. Shore. 1965, 2003.
- Carex scoparia* Willd., **broom sedge**. c=4. Shore. 1965, 2003.
- Carex utriculata* Boott, **bottle-shaped sedge**. c=7. Shore. 2003.
- Carex viridula* Michx., **little green sedge**. c=6. Shore. 1965.
- Carex vulpinoidea* Michx., **fox sedge**. c=7. Shore. 1965.
- Ceratophyllum demersum* L., **coontail**. c=3. Submersed and free floating. 1972, 2003.
- Chara* spp., **stoneworts**. [macrophytic algae]. No c value given. Submersed. 2003.
- Cicuta bulbifera* L, **bulblet water-hemlock**. c=7. Shore. 1973, 2003.
- Eleocharis erythropoda* Steudel, **bald spikerush**. c=3. Emergent. 1965.
- Eleocharis palustris* (L.) R. & S., **common spikerush**. c=6. Emergent. 1965, 2003.
- Elodea canadensis* Michx., **Canadian waterweed**. c=3. Submersed. 1972, 2003.
- Eupatorium maculatum* L., **spotted Joe-Pye-weed**. c=4. Shore. 2004.
- Eupatorium perfoliatum* L., **boneset**. c=6. Shore. 1972, 1976, 2003.
- Euthamia graminifolia* (L.) Nutt., **grass-leaved goldenrod**. c=4. Shore. 2004
- Glyceria striata* (Lam.) Hitchc., **fowl meadow grass**. c=4. Shore. 2004.
- Iris versicolor* L., **northern blue-flag**. c=5. Shore. 2003.
- Juncus alpinoarticulatus* Chaix, **northern green rush**. c=6. Shore. 1972.
- Juncus arcticus* Willd., **wire rush**. c=5. Shore. 1972, 2003.
- Juncus brevicaudatus* (Engelm.) Fern., **narrow-paniced rush**. c=6. Shore. 2003.
- Juncus dudleyi* Wieg., **Dudley's rush**. c=4. Shore. 2003.

Juncus effusus L., **common rush**. c=4. Shore and emergent. 2003.

Juncus nodosus L., **joint rush**. c=6. Emergent. 1972.

Lemna turionifera Landolt, **turion duckweed**. c=2. Free floating. 1972, 2003.

Megalodonta beckii (Torrey) Greene, **water-marigold**. c=8. Submersed and emergent. 1969, 2003.

Muhlenbergia mexicana (L.) Trin., **leafy satin-grass**. c=4. Shore. 1976, 2003.

Myriophyllum sibiricum Kom., **common water-milfoil**. c=6. Submersed. 1972, 1974, 2003.

Myriophyllum spicatum L., **Eurasian water-milfoil**. alien; c=0. Submersed. 1995, 1999, 2003.

Najas flexilis (Willd.) R. & S., **bush-pondweed**. c=6. Submersed. 1972, 1973, 2003.

Nuphar variegata Durand, **northern yellow-pond-lily**. c=6. Rooted with floating leaves. 2003.

Nymphaea odorata Aiton, **white water-lily**. c=6. Rooted with floating leaves. 1972, 2003.

Phalaris arundinacea L., **reed canary-grass**. alien; c=0. Shore. 1965, 2003.

Polygonum amphibium L., **amphibious smartweed**. c=5. Shore, emergent, and rooted with floating leaves. 1972, 1973, 1989, 1996, 2003.

Polygonum sagittatum L., **arrowleaved smartweed**. c=6. Shore. 1969, 2003.

Populus deltoides Marshall, **eastern cottonwood**. c=2. Shore. 1972, 2003.

Potamogeton amplifolius Tuck., **broadleaf pondweed**. c=7. Submersed. 1973.

Potamogeton friesii Rupr., **Fries' pondweed**. c=8. Submersed. 1972, 2003.

Potamogeton gramineus L., **variable pondweed**. c=7. Submersed. 1972, 1973, 2003.

Potamogeton illinoensis Morong, **Illinois pondweed**. c=6. Submersed. 1972, 1973, 1975, 2003.

Potamogeton natans L., **floating-leaf pondweed**. c=5. Submersed or rooted with floating leaves. 2003.

Potamogeton zosteriformis Fern., **flat-stemmed pondweed**. c=6. Submersed. 2003.

Rorippa palustris (L.) Besser, **common yellow-cress**. c=3. Shore. 2004.

Sagittaria latifolia Willd., **broadleaved arrowhead**. c=3. Emergent. 1972, 2003.

Salix bebbiana Sarg., **Bebb's willow**. c=7. Shore. 2004.

Salix discolor Muhl., **pussy willow**. c=2. Shore. 2004.

Salix exigua Nutt., **sandbar willow**. c=2. Shore. 1972, 2003.

Schoenoplectus acutus (Muhl.) A. & D.Love, **hard-stemmed bulrush**. c=6. Emergent. 1972, 1973, 1996, 2003.

Schoenoplectus pungens (Vahl) Palla, **chair-maker's rush**. c=5. Emergent. 1965, 2003.

Schoenoplectus tabernaemontani (Gmelin) Palla, **soft-stemmed bulrush**. c=4. Emergent. 1965, 1972.

Scirpus cyperinus (L.) Kunth, **common woolgrass**. c=4. Shore. 1965, 2003.

Solanum dulcamara L., **bittersweet nightshade**. alien; c=0. Shore. 2004.

Spartina pectinata Link., **prairie cord-grass**. c=5. Shore and emergent. 1973, 1987, 2003.

Stachys palustris L., **woundwort**. c=5. Shore. 1973.

Stachys tenuifolia Willd., **narrow-leaved hedge-nettle**. c=6. Shore. 1972, 2003.

Thuja occidentalis L., **northern white cedar**. c=9. Shore. 2004.

Typha latifolia L., **broad-leaved cattail**. c=1. Emergent. 1972, 2003.

Vallisneria americana Michx., **water-celery**. c=6. Submersed. 1973, 2003.

There are **66** species of aquatic macrophytes (65 species of vascular plants plus one species of macrophytic algae) that have been found in Lake Emily, on the shore, or in the small pond connected to the lake. This is above average for Portage County lakes. The average coefficient of conservatism (c-value) for the 65 species of vascular plants is **4.6** which is above average as well. The floristic quality index is **39.5** which is also above average for Portage County lakes.

Lake Emily supports a moderately diverse aquatic and wetland flora, although most of the species are common and widespread plants. Until recently, the dominant submersed plants were common water-milfoil, Illinois pondweed, variable pondweed, bush-pondweed, wild celery, stonewort, and Canadian waterweed. However, Eurasian water-milfoil was present by 1995 and it is becoming more abundant.

Water levels have dropped in recent years, converting areas, especially on the eastern and northern shores, previously under shallow water into an expanded beach. The upper portions of the former shore and beach were a dry upland with weedy annuals common in 2003, although with a higher water level in 2004 the wet shore is expanding toward the upper shore. However, Canada thistle is spreading aggressively on the beach and its spread will probably continue unless water levels rise enough to inundate it.