

FOUNTAIN LAKE

- Alnus incana* (L.) Moench., **tag alder**. c=4. Shore. 1963.
- Angelica atropurpurea*, L, **common angelica**. c=6. Shore. 1963, 2003.
- Asclepias incarnata* L., **swamp milkweed**. c=5. Shore. 1963, 2003.
- Aster firmus* Nees, **shining aster**. c=6. Shore. 2003.
- Aster lanceolatus* Willd., **white paniced aster**. c=4. Shore. 2003.
- Aster umbellatus* Miller, **flat-topped aster**. c=6. Shore. 2003.
- Bidens cernuus* L, **nodding beggar-ticks**. c=4. Shore. 2003.
- Bidens coronatus* (L.) Britton, **swamp-marigold**. c=7. Shore. 2003.
- Calamagrostis canadensis* (Michx.) Beauv., **blue-joint grass**. c=5. Shore. 1963, 1965, 2003.
- Calamagrostis stricta* (Timm) Koeler, **slim-stemmed reedgrass**. c=7. SPECIAL CONCERN. Shore. 1965.
- Cardamine bulbosa* (Schreber) BSP., **spring cress**. c=6. Spring seepage on shore. 2003.
- Cardamine pensylvanica* Muhl., **Pennsylvania bitter-cress**. c=3. Shore. 2003.
- Carex hystericina* Muhl., **bottlebrush sedge**. c=3. Shore. 1965.
- Carex pellita* Muhl., **woolly sedge**. c=4. Shore. 1965.
- Carex scoparia* Willd., **broom sedge**. c=4. Shore. 1963.
- Carex stricta* Lam., **tussock sedge**. c=7. Shore. 1963, 2003.
- Ceratophyllum demersum* L., **coontail**. c=3. Submersed and free floating. 1963, 2003.
- Chara* sp., **stonewort**. [macrophytic algae]. No c value given. Submersed. 2003.
- Cicuta bulbifera* L, **bulblet water-hemlock**. c=7. Shore. 1963, 2003.
- Cirsium muticum* Michx., **swamp thistle**. c=8. Shore. 2003.
- Cornus amomum* Miller, **silky dogwood**. c=4. Shore. 2003.
- Epilobium ciliatum* Raf., **American willow-herb**. c=3. Shore. 1963.
- Equisetum fluviatile* L., **pipes**. c=7. Emergent. 2003.
- Eupatorium maculatum* L., **spotted Joe-Pye-weed**. c=4. Shore. 2003.
- Eupatorium perfoliatum* L., **boneset**. c=6. Shore. 1963, 2003.
- Galium asprellum* Michx., **rough bedstraw**. c=7. Shore. 1963.
- Hydrocotyle americana* L., **marsh pennyroyal**. c=7. Shore. 2003.

Impatiens capensis Meerb., **orange jewelweed**. c=2. Shore. 1963, 1990, 2003.

Juncus alpinoarticulatus Chaix, **northern green rush**. c=6. Shore. 1965.

Juncus arcticus Willd., **wire rush**. c=5. Emergent and on shore. 1963, 2003.

Juncus nodosus L., **joint rush**. c=6. Shore. 1965, 2003.

Leersia oryzoides (L.) Sw., **rice cut-grass**. c=3. Emergent and on shore. 1965, 2003.

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

Lycopus americanus Muhl., **cut-leaved water-horehound**. c=4. Shore. 2003.

Mentha arvensis L., **wild mint**. c=3. Shore. 1963, 2003.

Mimulus glabratus Kunth, **round-leaved monkey-flower**. c=9. Shore. 1990.

Muhlenbergia mexicana (L.) Trin., **leafy satin-grass**. c=4. Shore. 1965, 2003.

Myriophyllum sibiricum Kom., **common water-milfoil**. c=6. Submersed. 1963, 1975, 2003.

Najas flexilis (Willd.) R. & S., **bush-pondweed**. c=6. Submersed. 1963, 2003.

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

Phalaris arundinacea L., **reed canary-grass**. alien; c=0. Shore. 1963, 2003.

Polygonum amphibium L., **amphibious smartweed**. c=5. Shore and rooted with floating leaves. 1963, 2003.

Potamogeton friesii Rupr., **Fries' pondweed**. c=8. Submersed. 1963, 2003.

Potamogeton illinoensis Morong, **Illinois pondweed**. c=6. Submersed. 1963, 2003.

Potamogeton robbinsii Oakes, **fernleaf pondweed**. c=8. Submersed. 2003.

Rumex orbiculatus Gray, **great water dock**. c=8. Shore. 1963, 2003.

Schoenoplectus acutus (Muhl.) A. & D.Love, **hard-stemmed bulrush**. c=6. Emergent. 1963, 2003.

Schoenoplectus tabernaemontani (Gmelin) Palla, **soft-stemmed bulrush**. c=4. Emergent. 2003.

Scirpus atrovirens Willd., **dark-green woolgrass**. c=3. Shore. 1963, 1965.

Stuckenia pectinata (L.) Borner, **sago pondweed**. c=3. Submersed. 2003.

Typha angustifolia L., **narrow-leaved cattail**. alien; c=0. Emergent. 2003.

Typha x glauca Godr., **hybrid cattail**. c=0. Emergent. 2003.

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

There are **53** species of aquatic and wetland macrophytes (52 species of vascular plants and one species of macrophytic algae) that have been found in Fountain Lake or on the wet parts of the shore. This is above average for Portage County lakes. The average index of conservatism (**c** value) for the 52 species of vascular plants is **4.8** which is slightly above average. The floristic quality index is **35.9** (34.9 plus one point for a special concern species) which is also above average for the Portage County lakes.

The flora of Fountain Lake is fairly typical of a hard water lake. Stonewort is the most abundant submersed macrophyte, with sago pondweed, bush-pondweed, common water-milfoil, and Illinois pondweed common. Much of the shore holds native vegetation, although cattails and reed canary-grass seem to be increasing. Slim-stemmed reedgrass, a special concern species, has not been relocated in recent years, but it is a fairly inconspicuous grass, and may have been overlooked. Maintaining native vegetation on the shore is probably the best way to guard against further spread of these invaders. Because the lake could probably support a large population of Eurasian water-milfoil, special care is needed to prevent this plant from becoming established.

The UWSP herbarium has specimens of 25 species of aquatic and shoreline plants collected by William J. Barnes in 1963, making the flora of Fountain Lake the best documented Portage County lake flora prior to the collections by George Becker in 1964 and 1965.

Fountain