

## JOANIS (formerly known as DREYFUS or UNIVERSITY) LAKE

- Acer rubrum* L., **red maple**. c=3. Shore. 2003.
- Acorus americanus* (Raf.) Raf., **American sweet-flag**. c=7. Shore. 2003.
- Alisma subcordatum* Raf., **American water-plantain**. c=3. Emergent. 2003.
- Alnus incana* (L.) Moench., **tag alder**. c=4. Shore. 2003.
- Aster lanceolatus* Willd., **white paniced aster**. c=4. Shore. 2003.
- Aster umbellatus* Miller, **flat-topped aster**. c=6. Shore. 2003.
- Bidens frondosus* L., **common beggar-ticks**. c=1. Shore. 2003.
- Calamagrostis canadensis* (Michx.) Beauv., **blue-joint grass**. c=5. Shore. 2003.
- Callitriche palustris* L., **common water-starwort**. c=8. Submersed. 2003.
- Carex pellita* Muhl., **woolly sedge**. c=4. Emergent and on shore. 2003.
- Carex utriculata* Boott, **bottle-shaped sedge**. c=7. Shore. 2003.
- Cicuta bulbifera* L., **bulblet water-hemlock**. c=7. Shore. 2003.
- Cicuta maculata* L., **common water-hemlock**. c=6. Shore. 2003.
- Cornus stolonifera* Michx., **red-osier dogwood**. c=3. Shore. 2003.
- Drosera rotundifolia* L., **round-leaved sundew**. c=7. Shore. 2003.
- Eleocharis acicularis* (L.) R. & S., **needle spikerush**. c=5. Submersed, emergent, and on shore. 2003.
- Eleocharis erythropoda* Steudel, **bald spikerush**. c=3. Emergent. 2003.
- Eleocharis obtusa* (Willd.) Schultes, **blunt spikerush**. c=3. Shore. 2003.
- Elodea canadensis* Michx., **Canadian waterweed**. c=3. Submersed. 2003.
- Equisetum arvense* L., **field horsetail**. c=1. Shore. 2003.
- Equisetum variegatum* Schleich., **variegated horsetail**. c=7. SPECIAL CONCERN. Shore. 2003.
- Euthamia graminifolia* (L.) Nutt., **grass-leaved goldenrod**. c=4. Shore. 2003.
- Galium tinctorium* L., **stiff bedstraw**. c=5. Shore. 2003.
- Hypericum boreale* (Britton) Bickn., **northern St. John's-wort**. c=6. Shore. 2003.
- Impatiens capensis* Meerb., **orange jewelweed**. c=2. Shore. 2003.
- Iris versicolor* L., **northern blue-flag**. c=5. Shore. 2003.
- Juncus bufonius* L., **toad rush**. c=3. Shore. 2003.
- Juncus canadensis* J. Gay, **Canadian rush**. c=7. Emergent and on shore. 2003.
- Juncus tenuis* Willd., **path rush**. c=1. Shore. 2003.
- Lysimachia thyrsiflora* L., **tufted loosestrife**. c=7. Emergent. 2003.
- Mentha arvensis* L., **wild mint**. c=3. Shore. 2003.
- Myriophyllum sibiricum* Kom., **common water-milfoil**. c=6. Submersed. 2003.
- Myriophyllum spicatum* L., **Eurasian water-milfoil**. alien; c=0. Submersed. 2003.
- Najas flexilis* (Willd.) R. & S., **bush-pondweed**. c=6. Submersed. 1981, 1986, 2003.
- Onoclea sensibilis* L., **sensitive fern**. c=5. Shore. 2003.
- Phalaris arundinacea* L., **reed canary-grass**. alien; c=0. Shore. 2003.
- Polygonum lapathifolium* L., **nodding smartweed**. c=2. Shore. 2003.
- Polygonum punctatum* Ell., **dotted smartweed**. c=5. Shore. 2003.
- Polygonum sagittatum* L., **arrowleaved smartweed**. c=6. Shore. 2003.
- Populus deltoides* Marshall, **eastern cottonwood**. c=2. Shore. 2003.
- Potamogeton amplifolius* Tuck., **broadleaf pondweed**. c=7. Submersed. 2003.
- Potamogeton gramineus* L., **variable pondweed**. c=7. Submersed. 2003.

*Potamogeton spirillus* Tuck., **snail-seed pondweed**. c=8. Submersed. 2003.  
*Rhamnus frangula* L., **glossy buckthorn**. alien; c=0. Shore. 2003.  
*Sagittaria latifolia* Willd., **broadleaved arrowhead**. c=3. Emergent. 2003.  
*Salix bebbiana* Sarg., **Bebb's willow**. c=7. Shore. 2003.  
*Salix discolor* Muhl., **pussy willow**. c=2. Shore. 2003.  
*Salix nigra* Marshall, **black willow**. c=4. Shore. 2003.  
*Schoenoplectus tabernaemontani* (Gmelin) Palla, **soft-stemmed bulrush**. c=4. Emergent. 2003.  
*Solidago gigantea* Aiton, **late goldenrod**. c=3. Shore. 2003.  
*Spartina pectinata* Link., **prairie cord-grass**. c=5. Emergent and on shore. 2003.  
*Spiraea alba* DuRoi, **meadowsweet**. c=4. Shore. 2003.  
*Typha angustifolia* L., **narrow-leaved cattail**. alien; c=0. Emergent. 2003.  
*Typha latifolia* L., **broad-leaved cattail**. c=1. Emergent. 2003.  
*Viola lanceolata* L., **lance-leaved violet**. c=6. Shore. 2003.

**55** species of aquatic or wetland vascular plants have been found in Jonas Lake or on the wet areas of the adjacent shore.

The average index of conservatism (**c** value) is **4.2**

The floristic quality index is **31.1**, with 1 point added for a special concern species, the total value is **32.1**.

Joanis Lake lies in an area excavated in the mid 1970's for landscape fill around the Sentry headquarters building. The lake filled with water shortly after the excavation, and, as far as is known, all plants within the lake arrived by natural dispersal agents, probably carried primarily by water fowl.

The Lake has relatively sparse aquatic vegetation, but Eurasian milfoil was found dislodged and floating or washed up on shore at several points in 2003.

Because the excavation left steep banks to a berm which surrounds the lake, the lake has a very little wet shore on the west, south, and east sides, and hence relatively little biological diversity on the shoreline for the majority of the lake. Furthermore, glossy buckthorn, a very invasive alien shrub and small tree, has become abundant in recent years, further reducing diversity along the shore. Nevertheless, a small population of variegated horsetail, a special concern species, occurs at the edge of the water on the south shore. The presence of this rare plant, never found previously anywhere in central Wisconsin, is entirely unexpected.

Unlike the rest of the lake, portions of the north shore have a gradual slope and a moderately wide beach area. Bog vegetation has formed in recent years in one area, and this bog holds some relatively uncommon plants, such as sundew, and lance-leaved violet.

Joanis