

2. NYMPHAEA L. Water-lily

Leaf-blades floating, circular with a sinus, rarely sagittate, long-petioled; flowers large, on long flexible peduncles; sepals 4, green; petals and stamens many, inserted on sides of ovary, outer ones white or pink and obviously petals, inner ones obviously stamens; a zone of intergrades between petals and stamens, the outer of which are more petal-like, the inner of which are more stamenlike; carpels many, united, ovary subglobose, many-loculed; radiating stigmas many.

1. *Nymphaea odorata* Aiton

Water-lily, White-pond-lily

Flowers white, fragrant; leaves rotund, with a narrow sinus; sepals green; petals and stamens numerous, inserted on sides of ovary.

REFERENCE: Riddell 1834:117 (standing pools).

HERBARIUM RECORDS: 21 May 1986—OSU, Mirror Lake, *Blanco*; 6 Jul & 10 Aug 1992—Pickerington Ponds, wetland wildlife area, just S of Wright Rd., & E of Bowen Rd., Madison Twp., *Lowden 4981 & 5019*.

NOTE: Sullivant 1840:7 and Selby & Craig 1890:7 reported on plants collected in adjacent counties.

CABOMBACEAE, Water-Shield Family

Aquatic herbs; plants with long, slender, leafy, distally floating stems in addition to the rhizomes, with or without floating leaf-blades, often some or all of the leaves submersed and dissected; flowers perfect, regular, hypogynous; sepals and petals 3 each, petaloid, free and distinct; stamens 3-18; carpels distinct; ovules and seeds 2 or 3.

1. BRASENIA Schreb. Water-shield

Stems elongate, branching; leaves peltate, blades elliptic, to 10 cm long, floating; flowers axillary, long-peduncled; sepals usually 3; petals dull-purple, usually 3, 1-1.5 cm long, separate; stamens several to many; 1-2-seeded carpels 4 or more, separate, clavate and indehiscent in fruit.

1. *Brasenia schreberi* J.F.Gmel.

Water-shield

Submersed parts covered with mucilaginous jelly; leaves long-petioled, floating; blades peltate, elliptic and entire; flowers dull purple, stamens 12-18.

HERBARIUM RECORDS: 1840—Cols., *Sullivant*; 31 May 1922—Baumgardner's Lake, *J. H. Schaffner*.

CERATOPHYLLACEAE, Hornwort Family

1. CERATOPHYLLUM L. Hornwort, Coontail

Submersed aquatics; stems elongate, branched; leaves whorled, sessile, dichotomously dissected into filiform, often toothed, divisions; monoecious; flowers minute, hypogynous, monosporangiate, solitary in axils; calyx (or calyxlike involucre) cut into 8-14 divisions; corolla none; stamens 10-20; carpel 1, style slender; ovule 1; fruit indehiscent.

a Leaves forked mostly 1-2 times; fruit ovoid, with 1 terminal spine and 2 lateral spines near base. 1. *C. demersum*
a' Leaves forked mostly 2-4 times; fruit slightly flattened with several lateral spines; apparently rare. 2. *C. echinatum*

1. *Ceratophyllum demersum* L.

Hornwort, Coontail

Plants submersed; leaves forked 1-2 times, segments conspicuously serrate on one side; fruit with 1 terminal and 2 basal spines.

REFERENCES: Riddell 1834:120 (standing pools); Craig 1890:103 (abundant in the lake); Kellerman & Werner 1893:226 (this plant was not seen ... Mr. Craig said the plant he referred to as this species was something else).

HERBARIUM RECORDS: [ca. 1834]—Cols., *Lapham* (CINC); 1839—Olentangy [R.], *J. Paddock Collection* (ILL); 22 Sep 1985—Highbanks Metro Park (Delaware Co.). Olentangy R., *Witsberger 856* (OWU); 13 Oct 1991—W bank of the Olentangy R., swampy area just N of Lane Ave. bridge & S of the Fawcett Center for Tomorrow, Clinton Twp., *Lowden 4882*; 6 Jul 1992—Pickerington Ponds, wetland wildlife area, just S of Wright Rd. & E of Bowen Rd., Madison Twp., *Lowden 4983*; 14 Sep 1992—Pickerington Ponds, just S of Wright Rd., Madison Twp., *Lowden 5036*.

BRASENIA
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