

Erect herb; leaves ovate to lanceolate, bases cordate or sagittate; flowers and fruits on short peduncles near base of the stem.

REFERENCES: Riddell 1834:118 (dense and shady woods); Sullivant 1840:24; Selby & Craig 1890:14.

HERBARIUM RECORDS: 8 Jul 1891—Central College, Selby; 27 May 1933—Red Hills, Hicks; 12 Jun 1979—0.3 mi. W of Alkire Rd. & Koebel-Suydam Rd., Darby Creek Metro Park, Pleasant Twp., Galloway Quad., Cusick 19358; 10 Jun 1991—Union Cemetery, N side of Frank Rd., W of Gantz Rd., 3 large colonies under maples, Franklin Twp., SW Cols. Quad., Cusick 29638.

## NELUMBONACEAE, Lotus-Lily Family

Aquatic herbs; flowers hypogynous, perfect, regular, elevated above the water on long stout peduncles; perianth parts numerous, spirally arranged, a few outer ones green and sepaloid; stamens numerous; pistils numerous, sunken in the enlarged, obconic, spongy receptacle; leaves long-petiolate, with large, circular, peltate blade, some blades floating, others raised above the water.

### 1. NELUMBO Adans. Lotus-Lily

Leaves long-petioled, peltate, the circular blades emersed; flowers 5-10 inches wide, solitary, long-peduncled; perianth parts many, the outer green, the inner pale yellow; stamens many; carpels many, the 1-ovuled ovaries and nutlike indehiscent fruits embedded in the obconic flat-topped receptacle.

#### 1. *Nelumbo lutea* (Willd.) Pers.

American Water-lotus

Leaves peltate, long-petioled; circular blades floating; perianth parts many, inner ones yellow and petal-like; fruits nutlike, indehiscent, embedded in a flat-topped receptacle.

REFERENCES: Riddell 1834:117 (*Nelumbium luteum*, standing pools); Wilcox 1895:137 (seems to have established itself in a pond near the Olentangy where specimens were gathered first in 1891, by C. C. Wilcox, specimens were gathered also, last summer, although the pond has been partially drained).

HERBARIUM RECORD: Aug 1890—pond near King Ave., near Cols., C. Wilcox.

## NYMPHAEACEAE, Water-Lily Family

Aquatic herbs; flowers perfect, regular, hypogynous to perigynous or epigynous; sepals 4-5, sometimes petaloid; petals 8-many; stamens numerous; carpels firmly united into a compound, plurilocular ovary; ovules and seeds numerous.

a Flowers yellow, often tinged with red or purple or green; sepals petaloid; petals inconspicuous. 1. NUPHAR

a' Flowers white or rarely pink; sepals green; petals conspicuous. 2. NYMPHAEA

### 1. NUPHAR Sm. Yellow Water-lily, Spatter-dock

Leaves long-petioled; blades emersed, ovate or rounded, bases cordate-sagittate; flowers hypogynous, solitary in the axils, long-peduncled, emersed, 3-5 cm in diameter; outer perianth parts greenish, yellow, or purplish; petals many, yellow, smaller than the sepals, stamenlike; stamens many; carpels several to many, united; stigmas united in an almost sessile several- to many-rayed broad disk; fruit a leathery berry, locules and seeds several to many.

#### 1. *Nuphar advena* (Aiton) W.T.Aiton

Yellow Water-lily, Spatter-dock, Yellow Pond Lily

Emersed leaves on stout petioles, basal lobes separated by a broadly triangular sinus; sepals 6, yellow within; petals and stamens inserted below ovary; carpels united.

REFERENCES: Riddell 1834:117 (standing pools); Sullivant 1840:7; Selby & Craig 1890:7.

HERBARIUM RECORDS: 1836 & 27 Jul 1839—Worthington, J. Paddock Collection (ILL); 17 May 1890—between Central College & Westerville, Cols., Selby; 17 Jun 1892—Cols., W. Kellerman; 18 Jun 1892—Alum Creek, near Cols., E. M. Wilcox; 1 Aug 1929—Baumgardner's Lake, Jackson Twp., Thut, Gordon & Blaydes; 16 Aug 1929—Baumgardner's Lake, Jackson Twp., Thut; 7 Jun 1991—Boyer Park, end of Park St., E of Rt. 3, Westerville, Blendon Twp., Lowden 4678; 6 Jul 1992—Pickerington Ponds, wetland wildlife area, just S of Wright Rd. & E of Bowen Rd., Madison Twp., Lowden 4982.

ASARUM  
ARISTOLOCHIA  
NELUMBO  
NUPHAR  
NYMPHAEA

