

POTAMOGETON PERFOLIATUS L. var. BUPLEUROIDES (Fern.) Farwell
Red-headed Pondweed

FAMILY: Potamogetonaceae (Zosteraceae, Najadaceae)

SYNONYMS: *Potamogeton perfoliatus* L. subsp. *bupleuroides* (Fern.) (Hulten)

HABIT: Submersed aquatic arising from a white rhizome; flowering and fruiting July-October; seldom fruiting in the southern part of its range, including Ohio.

SIMILAR SPECIES: Non-fruiting specimens are easily confused with *Potamogeton praelongus* or *P. richardsonii*. These closely related species are difficult to identify unless mature fruit are present.

TOTAL RANGE: Nfld. to Ont., s. to NY, NC, PA, and OH; also along the Gulf Coast from FL to LA; the typical variety is circumboreal in North America and Eurasia.

STATE RANGE: COSHOCTON CO.: Ohio Canal near Roscoe, n.d. ca. 1835 , J.L. Riddell (CINC, GH, US). OTTAWA CO.: Put-in-bay, Aug. 1898, A.J. Pieters (US). See Comments below for a discussion of these specimens.

STATE STATUS: 1980 to present: Presumed Extirpated.

HABITAT: Calcareous to brackish waters of lakes and streams.

HAZARDS: Mechanical disturbance of substrate; alteration of drainage.

RECOVERY POTENTIAL: Unknown, but probably poor.

INVENTORY GUIDELINES: Collect mature fruiting specimens if possible; leave rhizome intact; while vegetative material is difficult to identify, this species fruits so rarely that the collector may have no alternative to gathering sterile material.

COMMENTS: Although is species is listed for Ohio by most manuals; all the Ohio specimens actually may be referred to *Potamogeton richardsonii*. Ogden (1943) cited the specimens listed above as *P. perfoliatus*. However, Ogden later changed his opinion. In a letter quoted in Braun (1967, p. 41) Ogden stated that all the Ohio material was intermediate between *P. perfoliatus* and *P. richardsonii* "but...closer to *P. richardsonii*." The specific boundaries between these species of pondweed and the related *P. praelongus* are very unclear. Many specimens appear to be hybrids or intergrades.

SELECTED REFERENCES:

Braun, E.L. 1967. The Monocotyledonae of Ohio : Cat-tails to orchids. The Ohio State Univ. Press, Columbus, OH. 464 p.

Hellquist, C.B. and G.E. Crow. 1980. Aquatic Vascular plants of New England: Part 1. Zosteraceae, Potamogetonaceae, Zannichelliaceae, Najadaceae. New Hampshire Agric. Exp. Sta., Durham, NH. 68 p.

Ogden, E.C. 1943. The broad-leaved species of *Potamogeton* of North America, north of Mexico. *Rhodora* 45: 57-105, 119-163, 171-214.

Ogden, E.C. 1974. *Potamogeton* in New York. *New York St. Mus. Bull.* No. 43. 20 p.



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