

MN Wetland Professional Certification Program Wetland Plant ID



BOARD OF WATER AND SOIL RESOURCES

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Remaining MWPCP 2025 Courses

 Introduction to Wetland Delineation & Regulations- Brainerd - September 8-12

• Regional Training – Hermantown– August 12-13

- Introduction to Wetland Delineation & Regulations- Shoreview- October 6-10
- Hydrogeomorphic Method of Classifying Wetlands- Duluth- October 28-29
- Wetland Banking & Monitoring for Consultants-Shoreview-November 12-13







- Class Portal: https://bwsr.state.mn.us/node/4681
- Group discussion & recap



Wetland Indicator Status	Indicator Symbol	Definition
Obligate Wetland	OBL	Plants that almost always grow in wetlands. Estimated probability of >99% for growing in wetland.
Facultative Wetland	FACW	Plants that usually occur in wetlands. Estimated probability of 67% - 99% for growing in wetland (1%- 33% in upland)
Facultative	FAC	Plants with similar likelihood of occurring in both wetland and upland. Estimated 33%-67% for growing in wetland.
Facultative Upland	FACU	Plants that sometimes grow in wetland. Estimated 1% - <33% for growing in wetland.(>67% - 99% in upland).
Obligate Upland	UPL	Plants that rarely occur in wetland. Estimated probability of <1% for growing in wetland (>99% in upland).

Plant Indicator Status Distributions

























































































Forb definition

A forb is a broad-leaved, non-woody flowering plant with around 148 families



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- Mint (Lamiaceae)Aster (Asteraceae)

- Aster (Asteraceae)
 Vervain (Verbenaceae)
 Milkweed (Apocynaceae)
 Smartweed (Polygonaceae)
 Loosestrife (Lythraceae)
 Burreed (Sparganiaceae)
 Cattail (Typhaceae)
 Water Plantain (Alismaceae)
 Iris (Iridaceae)
 Legume (Fabaceae)
 Carrot (Apiaceae)





 Leaves simple, opposite, sharply toothed or lobed



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Smartweed Family-Polygonaceae

- Alternate, simple leaves, Stipules joined forming a sheath (Ocrea) around stem at nodes
- Petals absent, sepals petal-like









Burreed Family-Sparganiaceae

- Stems erect, un-branched, round in cross
- Leaves long and linear
 Flowers crowded in round heads with male and female flowers separate





Cattail Family-Typhaceae

- Leaves near base, in two ranks, long and strap-like
- Flowers are tiny, in large groupings, male and female portions of spike are separate
 Female flowers on bottom, male flowers on top
- Reproduce by submerged rhizome, creating mats







Water Plantain Family-

- Stout rhizomes
- Leaves from base of plant, clasping stem
 Multi-branched
- inflorescence
- Flowers with 3 petals



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 Bulrushes (Scirpus, Schoenoplectus, Bulboschoenus)

 Green Bulrush

 Scirpus atrovirens

 (DBI)

 Image: Specific atrovirens

 Image: Specific atro






















































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Willows (Salicaceae)

(Salix spp.)

18 species native in Minnesota, 3 species naturalized

•Leaf width vs. length •Upper and lower surface texture, color •Leaf edges •Stipules may be present



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