



Small-fruited bulrush, *Scirpus microcarpus*

Range

- Ø Western, north central, and northeast United States; also along the coast of British Columbia (3 and 5)

Climate, elevation

- Ø Moist, mild climate; low to middle elevations (3)

Local occurrence (where, how common)

- Ø Often grows in marshes, lake edges, swamps, wet meadows, forested wetlands, sloughs, stream banks (1 and 3)

Habitat preferences

- Ø Often in mucky soils (1)
- Ø Tolerates shade, and can also be found in clearings (1)

Plant strategy type/successional stage (stress-tolerator, competitor, weedy/colonizer, seral, late successional)

- Ø Can tolerate fluctuating water levels and prolonged soil saturation (2)
- Ø Tolerates shade
- Ø Can be found in communities of varying successional stages

Associated species

- Ø *Carex obnupta*, *Juncus effuses*, *Cornus stolonifera*, *Equisetum arvense*, *Rubus spectabilis*, *Lysichitum americanum* (1 and 4)

May be collected as: (seed, layered, divisions, etc.)

- Ø Seed (1)
- Ø Rhizomes (4)

Collection restrictions or guidelines

- Ø Collect seeds in late summer or early fall
- Ø Harvest rhizomes while plant is dormant in the winter (4)

Seed germination (needs dormancy breaking?)

- Ø Cold stratification for 2-3 months under moist conditions (4)

Propagation recommendations (plant seeds, vegetative parts, cuttings, etc.)

- Ø Sow seeds into flats, transplant when seedlings are two inches tall (2)
- Ø Rhizomes can be planted immediately on-site, or can be potted and grown for later division (4)

Soil or medium requirements (inoculum necessary?)

- Ø Silty/mucky soil with high water holding capacity (2)

Installation form (form, potential for successful outcomes, cost)

- Ø Rhizomes (2 and 4)
- Ø Direct seeding (2)
- Ø Established seedlings

Care requirements after installed (water weekly, water once etc.)

- Ø Soil should be kept consistently moist (4)

Sources cited

1. Guard, B. Jennifer. Wetland Plants of Oregon and Washington. Lone Pine Publishing. Vancouver, B.C. 1995.
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3. Pojar, Jim and Andy MacKinnon. Plants of the Pacific Northwest Coast-Washington, Oregon, British Columbia and Alaska. B.C. Minisrty of Forest and Lone Pine Publishing. 1994.
4. Stevens, M. and R. Vanbianchi. 1993. Restoring Wetlands in Washington: A Guidebook for Wetland Restoration, Planning and Implementation. Washington State Department of Ecology Publication 93-17, 110 p.
5. USDA, NRCS. 2002. The PLANTS Database, Version 3.5 (<http://plants.usda.gov>). **National Plant Data Center**, Baton Rouge, LA 70874-4490 USA.

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