

Juncus kelloggii Engelm.
Kellogg's rush
Juncaceae (Rush Family)

Status: State Threatened
Rank: G3?S1

General Description: Diminutive annual, the leaves all basal; sheaths 1/16 to 3/16 inch long; blades linear and often bristle-like, up to 3/4 inch long; flowers 1-2 in a terminal head, occasionally 2-merous, the stems few to numerous, 3/4 to 1 1/4 inch tall; involucre bracts 2, ovate, acute to attenuate and sometimes acicular, but smooth; stamens 3, the anthers about <1/16 inch long; capsule subequal to (rarely) longer than the perianth; style scarcely <1/16 inch long; seeds about <1/16 inch long broadly ellipsoid, prominently ridged lengthwise and somewhat less strongly cross-lined.

Identification Tips: *Juncus hemiendytus* var. *hemiendytus*, a possibly extirpated species, could occur with *J. kelloggii*. *Juncus kelloggii* has several flowers per culm, seeds with prominent longitudinal ridges more distinct than horizontal cross-bars, and acute to acuminate bracts, whereas *Juncus hemiendytus* var. *hemiendytus* has solitary flowers, seeds with equally faint longitudinal and horizontal lines, and acute to truncate bracts.

Phenology: Identifiable April through July.

Range: Vancouver Island, along the Columbia River, from Columbia and Hood River counties OR, south through the Willamette Valley and southwest OR to much of California. In WA, it is only known from Klickitat County. Occurs in the Eastern Cascades physiographic province.

Habitat: Sandy to clayey damp soils in a variety of habitats, such as vernal pools, seepage areas, and low spots in fields and meadows. Elevation ranges from 0 to 1820 feet.

Ecology: The species is presumably dependent upon the annual cycle of its habitat filling with water and then drying out. This pattern keeps species not adapted to it from competing well with those that are.

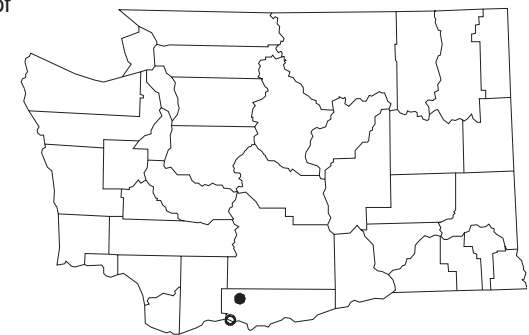
State Status Comments: There is only one current record of the species in WA.

Juncus kelloggii
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Known distribution of
Juncus kelloggii in
Washington



● Current (1980+)
○ Historic (older than 1980)

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Photo by Adolph Ceska

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Inventory Needs: Additional inventory is needed in appropriate habitats in south-central Washington. The plant is extremely small and could be easily overlooked.

Threats and Management Concerns: Agricultural and residential conversion. Any activity which alters the hydrologic regime of an area could be a potential threat.

References:

Erter, B. 1986. The *Juncus triformis* Complex. *Memoirs of the New York Botanical Garden* 39: 1-90.

Hitchcock, C. L., A. Cronquist, M. Ownbey, and J.W. Thompson. 1969. *Vascular Plants of the Pacific Northwest, Part 1: Vascular Cryptogams, Gymnosperms, and Monocotyledons*. University of Washington Press, Seattle. 914 pp.