

Checklist of Oregon Isoetaceae

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Isoetes

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Isoetes bolanderi Engelm.

Common names: Bolander's quillwort

Origin: native

Voucher: OSU, most recently collected in 2018.

FN - 2:73, accepted, in Oregon; FOO - 1:80, accepted, in Oregon (explicit); FPN - 42, accepted, in Oregon (implied); FPN2 - 45, accepted, in Oregon (implied), ; GWM - 16, accepted, in Oregon (explicit); IL - 1:37, accepted, in Oregon (explicit); IN - 1:182, accepted, in Oregon (implied); JPM - 96, accepted, in Oregon (implied); JPM2 - 109, accepted, in Oregon (implied); PEK - 57, accepted, in Oregon (explicit); VP - 1:35, accepted, in Oregon (explicit).

Isoetes howellii Engelm.

sensu stricto

Common names: Howell's quillwort

Origin: native

Voucher: OSU, most recently collected in 2019.

FOO - 1:80, accepted, in Oregon (explicit); PEK - 57, accepted, in Oregon (explicit).

Isoetes minima A.A. Eaton

Common names: midget quillwort

Origin: native

Voucher: OSU, most recently collected in 2009.

FN - 2:74, synonym for *Isoetes howellii*, small plants with leaves less than 10cm and megaspores less than 420 um diam. Have been called *I. howellii* var. *minima* (A.A. Eaton) N.E. Pfeiffer.; FOO - 1:80, accepted, in Oregon (explicit); FPN2 - 45, accepted, in Oregon (explicit), ; Hoot et al., 2006 - accepted.

Synonyms:

Isoetes howellii Engelm.

in part

Isoetes nuttallii A. Braun

Common names: Nuttall's quillwort

Origin: native

Voucher: OSU, most recently collected in 2018.

FN - 2:74, accepted, in Oregon; FOO - 1:81, accepted, in Oregon (explicit); FPN - 42, accepted, in Oregon (implied); FPN2 - 45, accepted, in Oregon (implied), ; IL - 1:38, accepted, in Oregon (explicit); JPM - 96, accepted, in Oregon (implied); JPM2 - 109, accepted, in Oregon (implied); PEK - 57, accepted, in Oregon (explicit); VP - 1:37, accepted, in Oregon (implied).

Isoetes occidentalis L.F. Hend.

Common names: western quillwort

Origin: native

Voucher: OSU, most recently collected in 2008.

FN - 2:74, accepted, in Oregon; FOO - 1:81, accepted, in Oregon (explicit); FPN - 42, synonym for *Isoetes lacustris*, given distribution: s in w Am to Cal, ne Utah, and Colo; FPN2 - 45, accepted, in Oregon (implied), ; IL - 1:36, accepted, not in Oregon; JPM - 96, accepted, in Oregon (implied); JPM2 - 109, accepted, in Oregon (implied); Oregon Flora Project, 2000D - ; PEK - 57, accepted, in Oregon (explicit); VP - 1:37, synonym for *Isoetes lacustris*, in Oregon; Wisskirchen & Haeupler, 1998 - 766.; Zika, 2003A - 92.,

Isoetes orcuttii A.A. Eaton

Common names: Orcutt's quillwort

Origin: native

Voucher: OSU, most recently collected in 2011.

FOO - 1:81, accepted, in Oregon (explicit); JPM2 - 109, accepted, in Oregon (explicit).

***Isoetes tenella* Léman ex Desv.**

Common names: spiny-spored quillwort

Origin: native

Voucher: OSU, most recently collected in 2013.

FOO - 1:81, accepted, in Oregon (explicit); FPN2 - 45, accepted, in Oregon (implied), ; JPM - 96, excluded; Wisskirchen & Haeupler, 1998 - accepted.

Synonyms:

***Isoetes echinospora* Durieu**

FN - 2:68, accepted, in Oregon; FPN - 42, accepted, in Oregon (implied); IN - 1:182, accepted, in Oregon (implied);

JPM - 96, accepted, in Oregon (implied); JPM2 - 109, accepted, in Oregon (implied).

***Isoetes setacea* Lam.**

FPN - 42, synonym for *Isoetes echinospora*, in Oregon (implied), misapplied; IN - 1:184, accepted; VP - 1:37, accepted, in Oregon (implied).

Literature cited for *Isoetes*

(Excluding the standard references unless specifically cited in the flora manuscript.)

Hoot, S.B., W.C. Taylor, and N.S. Napier. 2006. Phylogeny and biogeography of Isoëtes (Isoëtaceae) based on nuclear and chloroplast DNA sequence data. *Systematic Botany* 31(3):449-460.

Wisskirchen R., and H. Haeupler, Eds. 1998. *Standardliste der Farn und Blütenpflanzen Deutschland* (mit Chromosomen Atlas von Focke Albers). Verlag Eugen Ulmer, Stuttgart, Germany.

Zika, P.F. 2003A. A Crater Lake National Park Vascular Plant Checklist. Crater Lake Natural History Association, Crater Lake, OR.

Excluded names:

***Isoetes lacustris* L.**

FN - 2:68, accepted, not in Oregon; FPN - 42, accepted, given distribution: s in w Am to Cal, ne Utah, and Colo.; IN - 1:184, accepted, in Oregon (implied); VP - 1:37, accepted, given distribution: interruptedly circumboreal, in w. Am. s. to Calif., ne Utah, and Colo..

Literature cited for Isoetaceae

(Excluding the standard references unless specifically cited in the flora manuscript.)

Hoot, S.B., W.C. Taylor, and N.S. Napier. 2006. Phylogeny and biogeography of Isoëtes (Isoëtaceae) based on nuclear and chloroplast DNA sequence data. *Systematic Botany* 31(3):449-460.

Wisskirchen R., and H. Haeupler, Eds. 1998. *Standardliste der Farn und Blütenpflanzen Deutschland* (mit Chromosomen Atlas von Focke Albers). Verlag Eugen Ulmer, Stuttgart, Germany.

Zika, P.F. 2003A. A Crater Lake National Park Vascular Plant Checklist. Crater Lake Natural History Association, Crater Lake, OR.

Abbreviations Used

FN = Flora of North America
FPN = Flora of the Pacific Northwest
FOO = Flora of Oregon

GWM = Guide to the plants of the
Wallowa Mountains of northeastern
IL = An Illustrated Flora of the Pacific States
IN = Intermountain Flora
IPNI = The International Plant Names Index
JPM = The Jepson manual
KZ = A synonymized checklist...(Kartesz)
PEK = A manual of the higher plants of Oregon
PLANTS = <http://plants.usda.gov>
VP = Vascular Plants of the Pacific Northwest

a- = no authority given in the reference
a+ = authority in the reference matches checklist
a± = authority abbreviation in the reference differs
sa = authority at the specific level in the reference
ssa = authority at the subspecific level in the reference