

Checklist of Oregon Rhamnaceae

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Ceanothus

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Ceanothus cordulatus Kellogg

Common names: snow bush, mountain whitethorn

Origin: native

Voucher: OSU, most recently collected in 2012.

FN - 12:87, accepted, in Oregon (explicit); IL - 3:73, accepted, in Oregon (explicit); JPM - 934, accepted, in Oregon (explicit); JPM2 - 1156, accepted, in Oregon (explicit); PEK - 513, accepted, in Oregon (explicit); Ransom, 1861 - .

Ceanothus cuneatus (Hook.) Nutt. ex Torr. & A. Gray

FN - 12:99, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon; IL - 3:75, accepted, in Oregon (explicit); JPM - 935, accepted, in Oregon (explicit); PEK - 513, accepted, in Oregon (explicit); VP - 3:417, accepted, in Oregon (explicit).

Ceanothus cuneatus (Hook.) Nutt. ex Torr. & A. Gray × *Ceanothus prostratus* Benth.

Origin: native

Voucher: OSU, most recently collected in 2013.

Synonyms:

Ceanothus arcuatus McMinn

FN - 12:101, accepted, in Oregon (explicit); JPM2 - 1156, accepted, in Oregon (explicit).

Ceanothus cuneatus (Hook.) Nutt. ex Torr. & A. Gray var. *cuneatus*

Common names: buckbrush

Origin: native

Voucher: OSU, most recently collected in 2015.

FN - 12:99, accepted, in Oregon (explicit); FPN2 - 217, accepted, in Oregon (explicit), ; Howell, 1943 - ; JPM - 935, accepted, not in Oregon; JPM2 - 1156, accepted, in Oregon (explicit); McMinn, 1939 - .

Ceanothus gloriosus J.T. Howell

Common names: Point Reyes ceanothus

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 2011.

IL - 3:76, accepted, not in Oregon; JPM - 935, accepted, not in Oregon.

Ceanothus integerrimus Hook. & Arn.

FN - 12:85, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); FPN2 - 217, accepted, in Oregon (implied), ; Hooker & Arnott, 1840 - ; JPM - 936, accepted, in Oregon (implied); PEK - 513, accepted, in Oregon (explicit); VP - 3:417, accepted, in Oregon (implied).

Ceanothus integerrimus Hook. & Arn. var. *macrothyrsus* (Torr.) G.T. Benson

Common names: deer brush

Origin: native

Voucher: OSU, most recently collected in 2013.

IL - 3:71, accepted, in Oregon (explicit); JPM - 936, uncertain, under *C. integerrimus* "var. *macrothyrsus* lf blades..." [minor variant not fully treated/recognized]; JPM2 - 1158, accepted, in Oregon (implied); VP - 3:418, accepted.

Synonyms:

Ceanothus integerrimus Hook. & Arn. var. *californicus* (Kellogg) G.T. Benson

Benson, 1930 - ; IL - 3:71, accepted, in Oregon (implied).

Ceanothus lemmonii Parry

Common names: Lemmon's ceanothus

Origin: exotic, not naturalized

Voucher: WS, most recently collected in 1949.

***Ceanothus palmeri* Trel.**

Common names: Palmer ceanothus

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 2013.

***Ceanothus parryi* Trel.**

Common names: Parry's ceanothus, ladybush

Origin: exotic, naturalized

Voucher: OSU, most recently collected in 1992.

FN - 12:90, accepted, in Oregon (explicit); FPN2 - 217, accepted, in Oregon (explicit); IL - 3:68, accepted, not in Oregon; JPM - 937, accepted, in Oregon (explicit); JPM2 - 1160, accepted, in Oregon (explicit); Trelease, 1888 - .

***Ceanothus prostratus* Benth.**

Benson, 1930 - ; Bentham, 1848 - ; FN - 12:104, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); IL - 3:79, accepted, in Oregon (explicit); JPM - 937, accepted, in Oregon (implied); McMinn, 1942 - ; PEK - 514, accepted, in Oregon (explicit); VP - 3:418, accepted, in Oregon (explicit).

Ceanothus prostratus* Benth. var. *prostratus

Common names: Mahala mat

Origin: native

Voucher: OSU, most recently collected in 1981.

FN - 12:104, accepted, in Oregon (explicit); FPN2 - 217, accepted, in Oregon (implied), ; JPM2 - 1160, accepted, in Oregon (implied).

***Ceanothus pumilus* Greene**

Common names: Siskiyou mat

Origin: native

Voucher: OSU, most recently collected in 2015.

FN - 12:105, accepted, in Oregon (explicit); FPN2 - 217, accepted, in Oregon (explicit), In Genus Desc. ; IL - 3:76, accepted, in Oregon (explicit); JPM - 937, accepted, in Oregon (explicit); JPM2 - 1160, accepted, in Oregon (explicit); PEK - 514, accepted, in Oregon (explicit).

***Ceanothus sanguineus* Pursh**

Common names: redstem ceanothus, Oregon tea tree

Origin: native

Voucher: OSU, most recently collected in 2017.

FN - 12:83, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); FPN2 - 217, accepted, in Oregon (implied), ; IL - 3:66, accepted, in Oregon (implied); JPM - 938, accepted, in Oregon (implied); JPM2 - 1160, accepted, in Oregon (implied); PEK - 513, accepted, in Oregon (explicit); VP - 3:418, accepted, in Oregon (implied).

***Ceanothus thyrsiflorus* Eschsch.**

FN - 12:90, accepted, in Oregon (explicit); IL - 3:67, accepted, in Oregon (explicit); JPM - 938, accepted, in Oregon (explicit); PEK - 513, accepted, in Oregon (explicit); Simpson, 2001A - .

Ceanothus thyrsiflorus* Eschsch. var. *thyrsiflorus

Common names: blue blossom, wild lilac

Origin: native

Voucher: WTU, most recently collected in 2017.

FPN2 - 217, accepted, in Oregon (explicit), ; JPM2 - 1162, accepted, in Oregon (explicit).

***Ceanothus velutinus* Douglas ex Hook.**

FN - 12:83, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); GWM - 230, accepted, in Oregon (explicit); IL - 3:66, accepted, in Oregon (implied); IN - 3a:288, accepted, in Oregon (implied); JPM - 938, accepted, in Oregon (implied); JPM2 - 1162, accepted, in Oregon (implied).

***Ceanothus velutinus* Douglas ex Hook. var. *laevigatus* Torr. & A. Gray**

Common names: tobacco brush

Origin: native

Voucher: OSU, most recently collected in 2015.

FN - 12:84, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); FPN2 - 217, accepted, in Oregon (implied), ; IL - 3:67, accepted, in Oregon (implied); PEK - 513, accepted, in Oregon (explicit); VP - 3:418, accepted, in Oregon (implied).

Synonyms:

***Ceanothus velutinus* Douglas ex Hook. var. *hookeri* M.C. Johnst.**

JPM - 938, accepted, in Oregon (implied).

Ceanothus velutinus* Douglas ex Hook. var. *velutinus

Common names: tobacco brush, sticky laurel

Origin: native

Voucher: OSU, most recently collected in 2018.

FN - 12:84, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); FPN2 - 217, accepted, in Oregon (implied), ; IL - 3:66, (subtaxon implied), accepted, in Oregon (implied); JPM - 938, accepted, not in Oregon; PEK - 513, (subtaxon implied), accepted, in Oregon (explicit); VP - 3:418, accepted, in Oregon (explicit).

Literature cited for *Ceanothus*

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

Benson, G.T. 1930. The trees and shrubs of western Oregon. Contributions from the Dudley Herbarium 2:1-170.

Bentham, G. 1848. Plantas Hartwegianas. Imprimis Mexicanas, London, England.

Brandegee, K. 1894. Studies in *Ceanothus*. Proceedings of California Academy of Sciences II 4:173-222.

Greene, E.L. 1904. New species of *Ceanothus*. Leaflets of Botanical Observation and Criticism 1:65-68.

Hooker, W.J. and G.A.W. Arnott. 1840. The botany of Captain Beechey's voyage. Henry G. Bohn, London, England.

Howell, J.T. 1943. New varieties of western plants—III. Leaflets of Western Botany 3(10):230-232.

McMinn, H.E. 1939. Notes on the genus *Ceanothus* in California. Madroño 5:13-15.

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Ransom, L. 1861. July 21, 1861. Proceedings of California Academy of Sciences I 2:123-127.

Trelease, W. 1888. Synoptical list of North American species of *Ceanothus*. Proceedings of California Academy of Sciences II 1:106-118.

Rhamnus

Checklist contributor: C. Schmidt, 2/22/1995

Flora contributor: Alan Whittmore

***Rhamnus alnifolia* L'Hér.**

Common names: alder buckthorn, alder leaved coffeeberry

Origin: native

Voucher: OSU, most recently collected in 2005.

FN - 12:49, accepted, in Oregon (explicit); FPN - 290, accepted, in Oregon (implied); FPN2 - 218, accepted, in Oregon (implied), ; GWM - 230, accepted, in Oregon (explicit); IL - 3:63, accepted, in Oregon (implied); IN - 3a:286, accepted, in Oregon (implied); JPM - 940, accepted, in Oregon (implied); JPM2 - 1164, accepted, in Oregon (implied); PEK - 512, accepted, in Oregon (explicit); VP - 3:420, accepted, in Oregon (implied).

***Rhamnus californica* Eschsch. ssp. *occidentalis* (Howell) C.B. Wolf**

Common names: California coffeeberry

Origin: native

Voucher: OSU, most recently collected in 2015.

IL - 3:62, accepted, in Oregon (explicit); JPM - 940, accepted, in Oregon (explicit).

Synonyms:

***Frangula californica* (Eschsch.) A. Gray ssp. *occidentalis* (Howell) Kartesz & Gandhi**

FN - 12:54, accepted, in Oregon (explicit); JPM2 - 1163, accepted, in Oregon (explicit).

***Rhamnus californica* Eschsch. var. *occidentalis* (Howell) Jeps.**

PEK - 512, accepted, in Oregon (explicit).

***Rhamnus californica* Eschsch. ssp. *tomentella* (Benth.) C.B. Wolf**

Common names: California buckthorn

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 2010.

***Rhamnus ilicifolia* Kellogg**

Common names: redberry, holly leaf redberry

Origin: native

Voucher: OSU, most recently collected in 1991.

FN - 12:48, accepted, in Oregon (explicit); JPM - 940, accepted, given distribution: CA-FP, DMtns; AZ, Baja CA; JPM2 - 1165, accepted, in Oregon (explicit).

Synonyms:

***Rhamnus crocea* Nutt.**

JPM - 940, accepted, not in Oregon; JPM2 - 1164, accepted, not in Oregon.

***Rhamnus crocea* Nutt. ssp. *ilicifolia* (Kellogg) C.B.Wolf**

IL - 3:63, accepted, not in Oregon.

***Rhamnus purshiana* DC.**

Common names: cascara, chittam

Origin: native

Voucher: OSU, most recently collected in 2020.

FPN - 290, accepted, in Oregon (implied); IL - 3:62, accepted, in Oregon (implied); JPM - 942, accepted, in Oregon (implied); PEK - 512, accepted, in Oregon (explicit); VP - 3:420, accepted, in Oregon (implied).

Synonyms:

***Frangula purshiana* (DC.) A. Gray ssp. *annonifolia* (Greene) J.O. Sawyer & S.W. Edwards**

FN - 12:57, matched with *Frangula purshiana* ssp. *Anonifolia* (minor spelling difference), accepted, in Oregon (explicit); JPM2 - 1164, accepted, in Oregon (explicit).

Frangula purshiana* (DC.) A. Gray ssp. *purshiana

FN - 12:57, accepted, in Oregon (explicit); FPN2 - 218, accepted, in Oregon (implied), ours subsp. *purshiana*; JPM2 - 1164, accepted, in Oregon (implied).

***Rhamnus rubra* Greene**

Common names: Sierra coffeeberry

Origin: native

Voucher: OSU, most recently collected in 1998.

IL - 3:62, accepted, not in Oregon; JPM - 942, accepted, not in Oregon.

Synonyms:

***Frangula rubra* (Greene) Grubov**

FN - 12:55, accepted, in Oregon (explicit); JPM2 - accepted, not in Oregon, lists several ssp..

Frangula rubra* (Greene) Grubov ssp. *rubra

FN - 12:56, accepted, in Oregon (explicit); FPN2 - 218, accepted, in Oregon (explicit), ours subsp. *Rubra*.

Literature cited for *Rhamnus*

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

Bolmgren, K. and B. Oxelman. 2004. Generic limits in *Rhamnus* L. s.l. (Rhamnaceae) inferred from nuclear and chloroplast DNA sequence phylogenies. *Taxon* 53(2):383-390.

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Stargrove, M.B., J. Treasure, and D.L. McKee. 2008. Herb, nutrient, and drug interactions: Clinical implications and therapeutic strategies. Mosby/Elsevier, St. Louis, MO.

World Health Organization. 2002. Cortex Rhamni Purshianae. In: WHO Monographs on Selected Medicinal Plants, Volume 2. World Health Organization.

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Brandegee, K. 1894. Studies in *Ceanothus*. Proceedings of California Academy of Sciences II 4:173-222.

Greene, E.L. 1904. New species of *Ceanothus*. Leaflets of Botanical Observation and Criticism 1:65-68.

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Izhaki, I. 2002. Emodin – a secondary metabolite with multiple ecological functions in higher plants. *New Phytologist* 115:205-217.

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Wolf, C.B. 1938. Botanical series.: The North American species of *Rhamnus*, Issue 1 of Monographs. Rancho Santa Ana Botanic Garden, Claremont, CA.

Abbreviations Used	GWM = Guide to the plants of the Wallowa Mountains of northeastern	JPM = The Jepson manual	a- = no authority given in the reference
FN = Flora of North America	IL = An Illustrated Flora of the Pacific States	KZ = A synonymized checklist...(Kartesz)	a+ = authority in the reference matches checklist
FPN = Flora of the Pacific Northwest	IN = Intermountain Flora	PEK = A manual of the higher plants of Oregon	a± = authority abbreviation in the reference differs
FOO = Flora of Oregon	IPNI = The International Plant Names Index	PLANTS = http://plants.usda.gov	sa = authority at the specific level in the reference
		VP = Vascular Plants of the Pacific Northwest	ssa = authority at the subspecific level in the reference