

# Checklist of Oregon Betulaceae

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## Alnus

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### *Alnus alnobetula* (Ehrh.) K. Koch ssp. *sinuata* (Regel) Raus

Common names: Sitka alder

Origin: native

Voucher: OSU, most recently collected in 2018.

FOO - 2:380, accepted, in Oregon (explicit).

Synonyms:

*Alnus sinuata* (Regel.) Rydb.

FN - 3:515, synonym for *Alnus viridis* ssp. *sinuata*, in Oregon; FOO - 2:380, synonym for *Alnus alnobetula* ssp. *sinuata*; FPN - 72, accepted, in Oregon (explicit); GWM - 116, accepted, in Oregon (explicit); IL - 1:513, accepted, in Oregon (explicit); IN - 2a:188, accepted, in Oregon (explicit); PEK - 253, accepted, in Oregon (explicit); VP - 2:74, accepted, in Oregon (explicit).

*Alnus viridis* (Chaix) DC. ssp. *fruticosa* (Rupr.) Nyman

FN - 3:515, accepted; FOO - 2:380, synonym for *Alnus alnobetula* ssp. *sinuata*; FPN2 - 223, accepted, in Oregon (implied); JPM2 - 449, accepted, in Oregon (implied).

*Alnus viridis* (Chaix) DC. ssp. *sinuata* (Regel) Á. Löve & D. Löve

FN - 3:515, accepted, in Oregon; FOO - 2:380, synonym for *Alnus alnobetula* ssp. *sinuata*; FPN2 - 223, accepted, in Oregon (implied); JPM - 366, accepted, in Oregon (implied); JPM2 - 449, accepted, in Oregon (implied).

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### *Alnus glutinosa* (L.) Gaertn.

Common names: European black alder

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 2009.

FOO - 2:379, uncertain.

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### *Alnus incana* (L.) Moench

FPN - 73, accepted, in Oregon (implied); IN - 2a:188, accepted, in Oregon (explicit); VP - 2:73, accepted, in Oregon (explicit).

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### *Alnus incana* (L.) Moench ssp. *tenuifolia* (Nutt.) Breitung

Common names: mountain alder

Origin: native

Voucher: OSU, most recently collected in 2021.

FN - 3:513, accepted, in Oregon; FOO - 2:380, accepted, in Oregon (explicit); FPN2 - 223, accepted, in Oregon (implied); JPM - 364, accepted, in Oregon (implied); JPM2 - 448, accepted, in Oregon (implied).

Synonyms:

*Alnus incana* (L.) Moench var. *occidentalis* (Dippel) C.L. Hitchc.

FN - 3:513, synonym for *Alnus incana* ssp. *tenuifolia*, in Oregon; FOO - 2:380, synonym for *Alnus incana* ssp. *tenuifolia*; FPN - 73, accepted, in Oregon (implied); VP - 2:73, accepted.

*Alnus tenuifolia* Nutt.

FN - 3:513, synonym for *Alnus incana* ssp. *tenuifolia*, in Oregon; FOO - 2:380, synonym for *Alnus incana* ssp. *tenuifolia*; FPN - 73, synonym for *Alnus incana*, in Oregon (implied); GWM - 116, accepted, in Oregon (explicit); IL - 1:514, accepted, in Oregon (explicit); PEK - 253, accepted, in Oregon (explicit).

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### *Alnus rhombifolia* Nutt.

Common names: white alder

Origin: native

Voucher: OSU, most recently collected in 2021.

FN - 3:512, accepted, in Oregon; FOO - 2:380, accepted, in Oregon (explicit); FPN - 73, accepted, in Oregon (implied); FPN2 - 224, accepted, in Oregon (explicit); IL - 1:514, accepted, in Oregon (explicit); IN - 2a:188, accepted, in Oregon (explicit); JPM - 364, accepted, in Oregon (implied); JPM2 - 448, accepted, in Oregon (implied); PEK - 253, accepted, in Oregon (explicit); VP - 2:74, accepted, in Oregon (explicit).

***Alnus rhombifolia* Nutt. × *Alnus rubra* Bong.**

Origin: native

Voucher: OSU, most recently collected in 2018.

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***Alnus rubra* Bong.**

Common names: red alder

Origin: native

Voucher: OSU, most recently collected in 2021.

FN - 3:511, accepted, in Oregon; FOO - 2:381, accepted, in Oregon (explicit); FPN - 72, accepted, in Oregon (implied); FPN2 - 223, accepted, in Oregon (explicit); JPM - 364, accepted, in Oregon (implied); JPM2 - 449, accepted, in Oregon (implied); VP - 2:74, accepted, in Oregon (implied).

Synonyms:

***Alnus oregona* Nutt.**

FN - 3:511, synonym for *Alnus rubra*, in Oregon; FOO - 2:381, synonym for *Alnus rubra*; FPN - 72, synonym for *Alnus rubra*, in Oregon (implied); IL - 1:513, accepted, in Oregon (explicit).

***Alnus oregona* Nutt. var. *oregona***

FOO - 2:381, synonym for *Alnus rubra*; PEK - 253, (subtaxon implied), accepted, in Oregon (explicit).

***Alnus oregona* Nutt. var. *pinnatisecta* Starker**

FN - 3:511, synonym for *Alnus rubra*, in Oregon; FOO - 2:381, synonym for *Alnus rubra*; PEK - 253, accepted, in Oregon (explicit).

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**Literature cited for *Alnus***

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

Furlow, J.J. 1979A. The systematics of the American species of *Alnus* (Betulaceae) I. *Rhodora* 81:1-121.

Furlow, J.J. 1979B. The systematics of the American species of *Alnus* (Betulaceae) II. *Rhodora* 81:151-248.

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***Betula***

Checklist contributor: Henrietta Chambers, 3/1/2000

Flora contributor: Alan Whitemore

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***Betula glandulosa* Michx.**

Common names: resin birch

Origin: native

Voucher: OSU, most recently collected in 2016.

FN - 3:528, accepted, in Oregon; FOO - 2:382, accepted, in Oregon (explicit); FPN - 73, accepted, in Oregon (implied); FPN2 - 224, accepted, in Oregon (implied); GWM - 118, accepted, in Oregon (explicit); IL - 1:511, accepted, in Oregon (explicit); IN - 2a:192, accepted, in Oregon (explicit); JPM - 366, accepted, in Oregon (implied); JPM2 - 449, accepted, in Oregon (implied); PEK - 252, accepted, in Oregon (explicit); VP - 2:76, accepted, in Oregon (explicit).

Synonyms:

***Betula glandulosa* Michx. var. *glandulosa***

FOO - 2:382, synonym for *Betula glandulosa*; FPN - 73, accepted, in Oregon (explicit).

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### ***Betula occidentalis* Hook.**

Common names: water birch

Origin: native

Voucher: OSU, most recently collected in 2018.

FN - 3:525, accepted, in Oregon; FOO - 2:382, accepted, in Oregon (explicit); FPN - 73, accepted, in Oregon (implied); FPN2 - 224, accepted, in Oregon (implied); ; GWM - 118, accepted, in Oregon (explicit); IN - 2a:191, accepted, in Oregon (explicit); JPM - 366, accepted, given distribution: KR, CaRH, SNH, GB, DMtns; scattered in w N.Am; JPM2 - 449, accepted, given distribution: KR, CaRH, SNH, GB, DMtns; scattered in w N.Am.; VP - 2:77, accepted, in Oregon (implied).

Synonyms:

#### ***Betula fontinalis* Sarg.**

FN - 3:525, synonym for *Betula occidentalis*, in Oregon; FOO - 2:382, synonym for *Betula occidentalis*; FPN - 73, synonym for *Betula occidentalis* var. *occidentalis*, in Oregon (explicit); IL - 1:512, accepted, in Oregon (implied); PEK - 252, accepted, in Oregon (explicit).

#### ***Betula occidentalis* Hook. var. *inopina* (Jeps.) C.L. Hitchc.**

FN - 3:525, synonym for *Betula occidentalis*, in Oregon; FOO - 2:382, synonym for *Betula occidentalis*; FPN - 73, accepted, given distribution: s BC and sc Ida to Utah and n Cal; VP - 2:78, accepted, in Oregon (implied).

#### ***Betula occidentalis* Hook. var. *occidentalis***

FOO - 2:382, synonym for *Betula occidentalis*; FPN - 73, accepted, in Oregon (explicit); VP - 2:81, accepted, in Oregon (implied).

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### ***Betula papyrifera* Marshall**

Common names: paper birch

Origin: native

Voucher: OSU, most recently collected in 1992.

FN - 3:522, accepted, in Oregon; FOO - 2:383, accepted, in Oregon (explicit); FPN - 73, accepted, in Oregon (explicit); FPN2 - 224, accepted, in Oregon (explicit), .

Synonyms:

#### ***Betula papyrifera* Marshall var. *commutata* (Regel) Fernald**

FN - 3:522, synonym for *Betula papyrifera*, in Oregon; FOO - 2:383, synonym for *Betula papyrifera*; FPN - 73, accepted, in Oregon (implied); VP - 2:81, accepted, in Oregon (explicit).

#### ***Betula papyrifera* Marshall var. *subcordata* (Rydb.) Sarg.**

FN - 3:522, synonym for *Betula papyrifera*, in Oregon; FOO - 2:383, synonym for *Betula papyrifera*; FPN - 73, accepted, in Oregon (explicit); IL - 1:512, accepted, in Oregon (explicit); PEK - 252, accepted, in Oregon (explicit); VP - 2:81, accepted, in Oregon (explicit).

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### ***Betula pendula* Roth**

Common names: European white birch

Origin: exotic, naturalized

Voucher: OSU, most recently collected in 2016.

FN - 3:526, accepted, not in Oregon, not naturalized in Oregon; FOO - 2:383, accepted, in Oregon (explicit); FPN2 - 224, accepted, in Oregon (explicit), .

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### ***Betula pumila* L.**

Common names: bog birch

Origin: native

Voucher: OSU, most recently collected in 2017.

FN - 3:527, accepted, in Oregon; FOO - 2:383, accepted, in Oregon (explicit); FPN2 - 224, accepted, in Oregon (explicit), .

Synonyms:

#### ***Betula glandulosa* Michx. var. *hallii* (Howell) C.L. Hitchc.**

FN - 3:527, synonym for *Betula pumila*, in Oregon; FOO - 2:383, synonym for *Betula pumila*; FPN - 73, accepted, in Oregon (explicit); VP - 2:77, accepted.

#### ***Betula pumila* L. var. *glandulifera* Regel**

FN - 3:527, synonym for *Betula pumila*, in Oregon; FOO - 2:383, synonym for *Betula pumila*; IL - 1:511, accepted, in Oregon (explicit); KZ - 1:145, accepted; PEK - 252, accepted, in Oregon (explicit).

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## ***Betula* × *utahensis* Britton**

Common names: Utah birch

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 1958.

FOO - 2:382, uncertain; FPN - 73, synonym for *Betula* × *piperi*, not in Oregon.

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## **Literature cited for *Betula***

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

Chambers, K.L. 2006B. Is there a visitor from Chile in our *Plectritis* flora? Oregon Flora Newsletter 12(3):11-12.

Kartesz, J.T. and C.A. Meacham. 2007. Synthesis of the North American Flora, Prepublication Version 2.0. Missouri Botanical Garden Press, St. Louis, MO.

Kartesz, J.T. and C.A. Meacham. 2007. Synthesis of the North American Flora, Prepublication Version 2.0. Missouri Botanical Garden Press, St. Louis, MO.

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## **Corylus**

Checklist contributor: Henrietta Chambers, 3/1/2000

Flora contributor: Alan Whittmore

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### ***Corylus avellana* L.**

Common names: European hazel

Origin: exotic, naturalized

Voucher: OSU, most recently collected in 2019.

FN - 3:537, accepted, not in Oregon, Oregon not included in range map; FOO - 2:384, accepted, in Oregon (explicit); FPN2 - 225, accepted, in Oregon (explicit), ; Oregon Flora Project, 1997D - , in Oregon (explicit).

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### ***Corylus avellana* L. × *Corylus maxima* Mill.**

Origin: exotic, not naturalized

Voucher: OSU, most recently collected in 1983.

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### ***Corylus cornuta* Marshall var. *californica* (A. DC.) W.M. Sharp**

Common names: California hazel

Origin: native

Voucher: OSU, most recently collected in 2018.

FN - 3:528, synonym for *Corylus cornuta* ssp. *californica*; FOO - 2:384, accepted, in Oregon (explicit); FPN - 74, accepted, in Oregon; JPM - 366, accepted, in Oregon (implied); PEK - 252, accepted, in Oregon (explicit); VP - 2:83, accepted, in Oregon.

Synonyms:

#### ***Corylus californica* (A. DC.) Rose**

FN - 3:538, synonym for *Corylus cornuta* ssp. *californica*, in Oregon; IL - 1:510, accepted, in Oregon (implied); VP - 2:83, synonym for *Corylus cornuta*.

#### ***Corylus cornuta* Marshall ssp. *californica* (A. DC.) A.E. Murray**

FN - 3:538, accepted, in Oregon (explicit); FPN2 - 225, accepted, in Oregon (implied), ; JPM2 - 449, accepted, in Oregon (implied).

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## Excluded names:

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### **Betula × piperi (Britton) C.L. Hitch.**

FPN - 73, accepted, not in Oregon; Kartesz & Meacham, 2007 - synonym for *Betula × utahensis*, in Oregon, cites PEK 1961.; KZ - 2:102, matched with *Betula piperi* (named hybrid), synonym for *Betula × utahensis*; VP - 2:81, accepted, in Oregon (implied).

## Literature cited for Betulaceae

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

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Dugle, J.R. 1966. A taxonomic study of western Canadian species in the genus *Betula*. Canadian Journal of Botany 44:929-1007.

Furrow, J.J. 1979A. The systematics of the American species of *Alnus* (Betulaceae) I. Rhodora 81:1-121.

Furrow, J.J. 1979B. The systematics of the American species of *Alnus* (Betulaceae) II. Rhodora 81:151-248.

Furrow, J.J. 1997. Betulaceae. In: Flora of North America North of Mexico, Volume 3. Flora of North America Editorial Committee, Eds. Oxford University Press, New York, NY.

Hitchcock, C.L. and A. Cronquist. 1964. Vascular Plants of the Pacific Northwest, Volume 2. University of Washington Press, Seattle, WA.

Kartesz, J.T. and C.A. Meacham. 2007. Synthesis of the North American Flora, Prepublication Version 2.0. Missouri Botanical Garden Press, St. Louis, MO.

Li, W.L., G.P. Berlyn, and P.M.S. Ashton. 1996. Polyploids and their structural and physiological characteristics relative to water deficit in *Betula papyrifera* (Betulaceae). American Journal of Botany 83(1):15-20.

Williams, J.H., Jr. and M.L. Arnold. 2001. Sources of genetic structure in the woody perennial *Betula occidentalis*. International Journal of Plant Science 162(5):1097-1109.

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### 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