

George W. Douglas
Department of Botany
University of Alberta
Edmonton, Alberta

Dorothy B. Naas
and
Ralph W. Naas
6451—60th N.W., #46
Oak Harbor, Washington

New Plant Records and Ranges for Washington

Plant collections by the authors in the North Cascade Range of Washington during 1970, 1971, and 1972 have continued to yield new and interesting plant materials. This paper supplements the previously known flora (Hitchcock *et al.*, 1955, 1959, 1961, 1964, 1969; Douglas and Taylor, 1970; and others) with three new records of vascular plants and a number of significant geographical range extensions being reported for Washington.

The specimens cited are deposited in one or more of the following herbaria: Canada Department of Agriculture, Ottawa (DAO); G. W. Douglas (private) (GD); North Cascades National Park (NC); University of Alberta (UA); University of Washington (UW); and Western Washington State College (WW). Nomenclatural determinations are the authors' unless otherwise noted. New species records are designated by an asterisk.

Carex limnophila Hermann. Thunder Creek, Whatcom Co., *Naas & Naas* 245 (NC); Ross Dam, Whatcom Co., *Naas & Naas* 753 (GD, NC). This seldom collected species was established on open gravelly sites in the area. The northernmost station previously known for this plant in Washington was Mt. Rainier. It is also known from Oregon, Alberta, and Wyoming (Hitchcock *et al.*, 1969). The specimens were determined by Dr. F. J. Hermann.

Allium amplexans Torr. Lake Chelan (Moore's Point), Chelan Co., *Naas & Naas* 897 (NC, UW, WW). This collection was taken from a rocky open slope 30 m above Lake Chelan. The former range of this species was from Vancouver Island, along the coast to California, and also in the Columbia River Gorge, the Willamette Valley, and the Steen Mountains of eastern Oregon (Hitchcock *et al.*, 1969). The specimen was verified by Dr. C. L. Hitchcock.

Habenaria greenii Jeps. Lake Chelan (Stehekin), Chelan Co., *Naas & Naas* 901, 928 (NC); Robinson Creek, Okanogan Co., *Naas & Naas* 1664 (NC). These plants were established on dry, open, rocky slopes in montane forests. This species was previously known only along the coast from British Columbia to California (Hitchcock *et al.*, 1969).

Lewisia tweedyi (Gray) Robins. Prince Creek, Chelan Co., *Naas & Naas* 952 (NC).

This collection was taken from an open, gravelly bank along Prince Creek. This plant was formerly known from the Wenatchee Mountains of south Chelan and north Kittitas counties (Hitchcock *et al.*, 1964).

Clematis columbiana (Nutt.) T. & G. var. *dissecta* C. L. Hitchc. Prince Creek, Chelan Co., Naas & Naas 957 (NC); Eightmile Creek, Okanogan Co., Naas & Naas 1586 (NC, GD). These plants were established on dry, gravelly, south slopes in montane forests. This variety was previously known only from the Wenatchee Mountains of south Chelan and north Kittitas counties (Hitchcock *et al.*, 1964).

**Draba aurea* Vahl. Slate Peak, Whatcom Co., Naas & Naas 1776 (DAO, GD, NC). This species, a new record for Washington, was established on a dry alpine slope at 2100 m elevation. The previous known range was from Alaska south in the Rocky Mountains to New Mexico and Arizona (Hitchcock *et al.*, 1964). The specimen was verified by Dr. G. A. Mulligan.

Crataegus douglasii Lindl. var. *suksdorfii* Sarg. Lost River, Okanogan Co., Naas & Naas 1725 (NC). This collection was taken along the banks of Lost River. This variety was previously known inland only along the Fraser and Columbia rivers (Hitchcock *et al.*, 1961).

Spiraea pyramidata Greene. Green Mountain, Snohomish Co., Douglas 1595 (WW); Marble Creek, Snohomish Co., Naas, Naas, & Cheney 566 (NC). These collections were taken from open, south exposures at middle elevations. The species were previously reported to occur only east of the Cascade summits from southern British Columbia to northern Oregon, and east to central Idaho (Hitchcock *et al.*, 1961).

**Medicago falcata* L. Methow River, Okanogan Co., Douglas & Ruyle 2798 (UW, WW). This species, a new record for the state, was established along roadsides of the area. The plant, native to Europe, has become established from Massachusetts to Manitoba, and south to Delaware and Michigan (Fernald, 1950). It was previously known from only one locality (Midway, British Columbia) in western North America (Hitchcock *et al.*, 1961).

**Robinia hispida* L. Diablo Dam, Whatcom Co., Naas & Naas 265 (NC). This collection was taken along the road near the base of Diablo Dam where the species was well established. This species, a new record for the state, is native to Virginia and Tennessee southward (Fernald, 1950).

Ceonothus velutinus Dougl. ex Hook. var. *velutinus*. Ross Lake, Whatcom Co., Naas & Naas 752 (NC). This collection was taken on a dry rockslide along the west side of Ross Lake. The species had previously been known only east of the Cascade summits in Washington (Hitchcock *et al.*, 1961).

Viola sheltonii Torr. Stehekin River (High Bridge), Chelan Co., Naas, Naas, & Cheney 769 (NC, UA, UW, WW). This specimen was taken in an open *Pseudotsuga menziesii* (Mirbel) Franco var. *menziesii*/*Ceonothus velutinus* Dougl. ex Hook. stand. The species was formerly known from Baja, California, northward along the east side of the Cascades only to Cle Elum, Kittitas County, Washington, and possibly in Colorado (Hitchcock *et al.*, 1961).

Lomatium geyeri (Wats.) Coult. & Rose. Stehekin River, Chelan Co., *Naas & Naas* 54, 772, 1052 (NC); Goat Peak, Okanogan Co., *Douglas & Ruyle* 2828 (GD). These collections were taken on dry, open slopes. The former range of this species was from Kittitas County, Washington east to Lincoln and Spokane counties, Washington, Kootenai County, Idaho, and southern British Columbia (*Hitchcock et al.*, 1961).

Lomatium gormanii (Howell) Coult. & Rose. Harts Pass, Whatcom Co., *Douglas* 2857 (GD), *Taylor* 3870 (WW); Stehekin River, Chelan Co., *Naas & Naas* 1031 (NC). These specimens were established in dry subalpine meadows. This species was previously known from Kittitas, Lincoln and south Spokane counties, Washington, into adjacent Idaho, and south through Oregon, presumably to northern California (*Hitchcock et al.*, 1961).

Steironema ciliatum (L.) Raf. Goodell Creek, Whatcom Co., *Naas & Naas* 346 (NC, UW). This collection was taken in moist, open woods near the mouth of Goodell Creek. The species was formerly known only east of the Cascade summits in Washington except where it extends down the Columbia Gorge to Multnomah County, Oregon (*Hitchcock et al.*, 1959).

Linanthus barknessii (Curran) Greene. Coon Lake, Chelan Co., *Naas & Naas* 1075 (NC, WW). This plant was established on a mesic site on an otherwise dry, open slope. The species was known previously in the Cascade-Sierran region from Kittitas County, Washington to California eastward, occasionally, to central Idaho and north-eastern Nevada (*Hitchcock et al.*, 1959). The specimen was verified by Dr. R. J. Taylor.

Navarretia divaricata (Torr.) Greene. Rainbow Creek, Chelan Co., *Naas & Naas* 851 (NC). This collection was taken at 915 m elevation on a dry slope dominated by *Pseudotsuga menziesii* var. *menziesii*. It represents a substantial range extension for the species which was previously known from Klickitat County, Washington, southward through eastern Oregon to California, and eastward to northwestern Montana and central Idaho (*Hitchcock et al.*, 1959).

Cryptantha torreyana (Gray) Greene. Goodell Creek, Whatcom Co., *Naas & Naas* 417 (NC, WW). This specimen was established along a dry roadside near Goodell Creek. The species was formerly known from Washington (wholly east of the Cascade summits), southern British Columbia, and western Montana, southward to Wyoming, northern Utah and California (*Hitchcock et al.*, 1959). The specimen was verified by Dr. R. J. Taylor.

Mimulus washingtonensis Gand. Yellowjacket Creek, Okanogan Co., *Naas & Naas* 1516 (NC). This collection was taken on a wet, mossy, open slope at 1160 m elevation. The previously known range was from Klickitat County, Washington to Wheeler, Grant, and Wallowa counties, Oregon and New Pierce County, Idaho (*Hitchcock et al.*, 1959).

Veronica serpyllifolia L. var. *serpyllifolia*. Stehekin River (Cottonwood Camp), Chelan Co., *Naas & Naas* 1131 (NC). This introduced species, a native of Europe, was established along the margins of a campground. It was previously known to occur only west of the Cascade Range (*Hitchcock et al.*, 1959).

Githopsis specularioides Nutt. Lake Chelan (Stehekin), Chelan Co., *Naas & Naas 151* (NC). This plant was established on a dry, rocky slope above Lake Chelan. The previous range of this species was from southern Washington to southern California (Hitchcock *et al.*, 1959).

Valeriana columbiana Piper. Harts Pass, Okanogan Co., *Naas & Naas 1882* (NC). This plant occurred on an open, gravelly slope at 1800 m elevation. The plant was formerly known only from the Wenatchee Mountains, Washington (Hitchcock *et al.*, 1959).

Aster occidentalis (Nutt.) T. & G. var. *intermedius* Gray. Big Beaver Creek, Whatcom Co., *Miller & Miller 335, 351*. These collections were taken from sandbars and among boulders along creeks of the area. This plant was previously known only from east of the Cascades in Washington and Oregon, and east to northern Idaho (Hitchcock *et al.*, 1955).

Crepis capillaris (L.) Wallr. Stehekin, Chelan Co., *Naas & Naas 902* (NC, GD). This plant occurred on a dry, open rocky site. The former range of this European introduction was from southern British Columbia to California, west of the Cascade summits (Hitchcock *et al.*, 1955).

Literature Cited

- Douglas, G. W., and R. J. Taylor. 1970. Contributions to the flora of Washington. *Rhodo-*
dora 72: 496-501.
- Fernald, M. L. 1950. Gray's Manual of Botany, 8th edition. American Book Company,
New York.
- Hitchcock, C. L., A. Cronquist, M. Ownbey, and J. W. Thompson. 1955-1969. Vascular
Plants of the Pacific Northwest. Vols. 1-5. Univ. Washington Press, Seattle.

Received September 29, 1972.

Accepted for publication January 2, 1973.