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NEW RECORDS FOR THE VASCULAR FLORA OF WYOMING AND MONTANA

Robert W. Lichvar¹, Robert D. Dorn², and Erwin F. Evert³

ABSTRACT.— Apparent first state records of 11 taxa for Wyoming and one taxon for Montana are listed. A range extension is noted for the genus *Shoshonea*.

Recent field work from 1980 and 1982 has added one additional record to the flora of Montana and 11 additional records for Wyoming. The recently described genus and species *Shoshonea pulvinata* Evert and Constance, thought to have been a highly restricted endemic, is reported here well outside its previously known range.

APIACEAE

Shoshonea pulvinata Evert and Constance, WY, Fremont Co., T6N R5E S34, 2286 m (7500 ft), calcareous ridge, 26 July 1982, R. Lichvar 5382 RM.

This recently described genus and species by Evert and Constance (1982) was known only from a restricted range near Cody, Wyoming. This collection, Lichvar 5382, is a distance of 55.8 km (90 mi) southeast of the Cody sites.

ASTERACEAE

Adenocaulon bicolor Hook., WY, Crook Co., T51N R60W S20, 1646 m (5400 ft), wet ravine, 28 July 1982, R. Dorn 3798, COLO, NY, RM. Same county, T51N R61W S11 SE¼, 1646 m (5400 ft), wet ravine, 12 Sept. 1982, E. Evert 4968, RM.

BRASSICACEAE

Lepidium sativum L., WY, Laramie Co., T14N R67W S28 SE¼SW¼, 1890 m (6200 ft), disturbed area, 21 Aug. 1982, R. Dorn 3824, RM.

CARYOPHYLLACEAE

Gypsophila scorzonrifolia Ser., WY, Laramie Co., T14N R67W S17 N¼, 1890 m (6200 ft), disturbed roadside, 5 Sept. 1982, R. Dorn 3825, RM.

CYPERACEAE

Carex alopecoidea Tuckerm., WY, Crook Co., T51N R60W S33 SW¼, 1798 m (5900 ft), wet meadow, 27 July 1982, R. Dorn 3783, RM.

C. deweyana Schw. ssp. *deweyana*, WY, Crook Co., T51N R60W S33 SW¼, 1798 m (5900 ft), mossy bank, 27 July 1982, R. Dorn 3785, NY, RM.

C. peckii Howe, WY, Crook Co., T51N R60W S20, 1646 m (5400 ft) wet ravine, 28 July 1982, R. Dorn 3796, RM.

C. rosea Schk. ex Willd., WY, Crook Co., T51N R60W S33 SW¼, 1798 m (5900 ft), wet meadow, 27 July 1982, R. Dorn 3781, RM.

FABACEAE

Astragalus coltonii Jones var. *moabensis* Barneby, WY, Uinta Co., T14N R113W S31, 2195 m (7200 ft), sagebrush, 4 June 1980, R. Dorn 3447, RM. Same location and date, R. Lichvar 2780, RM. T13N, 113W, S18 SE¼, 5 mi N 25° W of Lonetree, E side Hickey Mtn., S. Goodrich, D. Atwood 17169, 17193, 30 June 1983, BRY. T14N R113W S27, 18 mi N 12° E of Lonetree, N of Sage Cr. Mtn., S. Goodrich, D. Atwood, 17212, 1 July 1982,

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BRY. Sweetwater Co., Cedar Mtn., T13N R111W S3 NE¼, 2195 m (7200 ft), sagebrush, 11 June 1980, *R. Lichvar* 2852, RM. Same location, 8 July 1981, *R. Lichvar* 4580, RM.

This species was discussed by Barneby (1964) as possibly being collected in Wyoming by R. Rollins, no. 177, in 1932. This specimen was distributed by RM as *Hedysarum* sp. The authors were unable to relocate this specimen at RM; it is presumed filed under an *Astragalus*. Barneby felt that this specimen was probably mislabeled. These collections confirm its existence in Wyoming.

ONAGRACEAE

Circaea lutetiana L., WY, Crook Co., T52N R60W S21 E½, 1280 m (4200 ft), stream bank, 26 July 1982, *R. Dorn* 3773, COLO, NY, RM.

POLEMONIACEAE

Leptodactylon caespitosum Nutt., MT, Carbon Co., T9S R27E S28 and 29 line, 1463

m (4800 ft), barren red slope, 24 June 1982, *R. Dorn* 3728, COLO, NY, RM.

POLYGONACEAE

Polygonum scandens L., WY, Crook Co., T54N R63W S11 NE¼, 1432 m (4700 ft), edge of beaver pond, 25 July 1982, *R. Dorn* 3762, RM. Same location and date, *R. Lichvar* 5375, RM.

SCROPHULARIACEAE

Veronica arvensis L., WY, Crook Co., T54N R63W S1 SW¼, 1463 m (4800 ft), disturbed area in Ponderosa Pine, 25 July 1982, *R. Dorn* 3761, NY, RM. Same location and date, *R. Lichvar* 5336, RM. Same location and date, *E. Evert* 4438, RM.

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- EVERT, E., AND L. CONSTANCE. 1982. *Shoshonea pulvinata*, a new genus and species of Umbelliferae from Wyoming. Systematic Botany 7(4):471-475.