

CALIFORNIA. ELDORADO COUNTY: Glenbrook, June 28, 1900, W. R. Dudley (DS); Glenbrook summit, July 24, 1911, K. Brandegee (UC). INYO COUNTY: Long Valley, July 16, 1913, K. Brandegee (UC). MODOC COUNTY: Goose Lake Valley, May, 1894, Mrs. R. M. Austin (DS, US); Hills, June, 1898, Mmes. Austin and Bruce 2146 (CA, UC); Madeline Plains, June, 1892, Austin and Bruce 2144 (DS, UC); Parker Creek, June 14, 1919, R. S. Ferris and R. Duthie 76 (DS). TUOLUMNE COUNTY: Deadman Creek, July 26, 1915, W. L. Jepson 6572 (CPS).

NEVADA. DOUGLAS COUNTY: Spooner, June 23, 1902, C. F. Baker 1134 (CA). ELKO COUNTY: Deeth, July 8, 1912, A. A. Heller 10550 and 10551 (CA, DS, PC, UCX). ORMSBY COUNTY: Kings Canyon, June 1 and July 1, 1902, C. F. Baker 918 (DS, PC); same, C. F. Baker 923 (CA, PC, UC). STOREY COUNTY: Virginia City, K. Brandegee (DS). WASHOE COUNTY: Glencoe, June, 1891, M. E. Jones (UC); Franktown, June 26, 1882, M. E. Jones 3815 (CA); ridge south of Alum Creek, June 11, 1909, A. A. Heller 9744 (CPS, DS, SCW); same, Heller 9745 (CPS, DS); Lake Marlette, July, 1903, Hall and Chandler 4589 (UC); Mt. Rose, Aug. 17, 1905, P. P. Kennedy 1187 (DS, UC, UCX); Mt. Rose, Aug. 26, 1911, A. A. Heller 10342 (CA, CPS, DS, PC, UO).

UTAH. JUAB COUNTY: Mt. Ibapah, 1891, M. E. Jones (DS); same, June 17, 1903, M. E. Jones (UC, US).

*l d.* LUPINUS LAXIFLORUS COGNATUS C. P. Smith. Jepson, Man. Pl. Cal. 527. 1925.

Plantae pubescentes pilis plurimum adpressis; bracteis floreis cito caducis; calyce paulo calcarati, labio superiore prope aperto lateribus reflexis vexilli; carina ciliata.

Mainly appressed-pubescent; floral bracts early deciduous; calyx-cup short-spurred, the upper lip largely covered by the reflexed sides of the broad banner; keel ciliate.

OREGON. BAKER COUNTY: Cornucopia, Aug. 30, 1915, M. E. Peck 5439 (WSO). GRANT COUNTY: Strawberry Mountains, July 15, 1921, M. E. Peck 10263 (CPS, WSO). KLAMATH COUNTY: Klamath Valley, 1864, H. M. Cronkhite 80 (UC). WALLOWA COUNTY: Wallowa Mountains, July 29, 1907, W. C. Cusick 3187 (TYPE, DS 117235; type-duplicates, UC, UO). COUNTY NOT DETERMINED: Highest Blue Mountains, Aug., 1897, W. C. Cusick 1716 (UC); Blue Mountains, June 24, 1910, W. C. Cusick 3469 (UO).

CALIFORNIA. MODOC COUNTY: Rocky slopes, June 18, 1893, M. S. Baker (DS). LOS ANGELES COUNTY: Swartout Valley, San Antonio Mountains, June 17, 1921, P. A. Munz 4607 (CPS).

*l e.* Lupinus laxiflorus durabilis var. nov.

Plantae pubescentes pilis adpressis; bracteis floreis subpermanentibus; calyce gibbosi vix calcarati, labio superiore fere inoperto; carina eciliata.

Pubescence appressed; floral bracts subpersistent; calyx merely gibbose, the upper lip exposed; keel non-ciliate.

IDAHO. BONNE COUNTY: Priest River Range, July 17, 1897, J. B. Leiberger 2731 (UO).

1 f. *Lupinus laxiflorus villosulus* var. nov.

Plantae pubescentes laxae pilis pedicellorum cauliumque pendentibus; bracteis floreis subpermanentibus; calyce calcarati labio superiore prope aperto lateribus reflexis vexilli; carina ciliata.

Pubescence loose, widely spreading on pedicels and lower portions of stems; floral bracts subpersistent; calyx spurred, the upper lip mostly covered by the reflexed sides of the banner; keel ciliate.

NEVADA. ELKO COUNTY: Clover Mountains, near Deeth, July 22, 1908, A. A. Heller 9098 (DS 15620).

2. LUPINUS PSEUDOPARVIFLORUS Rydb. Mem. N. Y. Bot. Gard. 1: 232. 1900.

Seems to differ from *L. laxiflorus* in no fundamental points excepting that the upper surface of the leaves is glabrous or nearly so. Perhaps it should be reduced to varietal rank under that species.

MONTANA. FLATHEAD COUNTY: Big Fork, June 19, 1904, W. W. Jones (DS, UC). GALLATIN COUNTY: Bridger Mountains, June 17, 1897, Rydberg and Bessey 4441 (SCW); near Boseman, June-July, 1905, J. W. Blankinship 131 (DS).

IDAHO. NEZ PERCE COUNTY: Lake Waha, July 2, 1896, A. A. and E. G. Heller 3358 (UC).

ABBREVIATIONS

The following list will identify the abbreviations here used in citing the specimens recorded:

- CA, California Academy of Science, San Francisco.
- CPS, herbarium of the writer.
- DS, Dudley Herbarium, Stanford University.
- PC, Pomona College, Claremont, California.
- SCW, State College of Washington, Pullman.
- UC, Department of Botany, University of California.
- UCX, Division of Agronomy, University of California Experiment Station.
- UO, University of Oregon, Eugene.
- US, United States National Herbarium.
- WLJ, herbarium of Dr. W. L. Jepson, Berkeley, California.
- WSO, Willamette University, Salem, Oregon.

SAN JOSE, CALIFORNIA

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