Name changes made in the CNPS Inventory on 2022-07-20

Non-Substantive Name Changes*:* Multiple taxa in various plant families from the *Jepson eFlora* revisions 8, 9, and 10

Ellen A. Dean (CNPS), Aaron E. Sims (CNPS), and Katie Ferguson (CNDDB)

June 20, 2022

The following list of ten taxa included in the CNPS *Inventory* (2022) and CNDDB (2022) will undergo taxonomic name changes or new family assignments based on new treatments in revisions 8, 9, and 10 of *The Jepson eFlora* (Fawcett et al. 2012, Allen 2020, Keil 2020, Sholars and Riggins 2020, Hasenstab-Lehman et al. 2021, Patterson and Battaglia 2021, Bell 2022). The list only includes those that are non-substantive, meaning the concept of the plant's identity and rarity in California did not change, just its name or family assignment. Their previous name in the *Inventory* will be treated as a taxonomic synonym if applicable, and reference to their revised nomenclatural treatment will be included in the notes section of the CNPS *Inventory* if available. The status of these nine taxa will not be affected. Note that some of the name changes in the Boraginaceae instituted by the *Jepson eFlora* in revision 9 were already made in the CNPS Inventory in 2016 and are not included in this document (Sims et al. 2016a, 2016b).

The CRPR 2B.3 species *Oreocarya glomerata* (previously *Cryptantha celosiodes*) has a new synonym listed in the *Jepson eFlora*, *Cryptantha bradburiana*; this broader circumscription does not affect its distribution within California nor its CRPR rank.

In addition, the CRPR 4.2 species previously known as *Leptosiphon acicularis* is now known as *L. aureus* and the species previous known as *L. aureus* is now known as *L. chrysanthus*.

Helpful literature supporting and explaining these changes is provided in the Literature Cited section below.

Current Name in CNPS *Inventory*	Revised Name in CNPS *Inventory*
Chlorogalum purpureum Bdg. var. *purpureum*	*Hooveria purpurea* (Brandegee) D. W. Taylor & D. J. Keil var. *purpurea*
Chlorogalum purpureum Bdg. var. *reductum* Hoov.	*Hooveria purpurea* (Brandegee) D. W. Taylor & D. J. Keil var. *reducta* (Hoover) D. W. Taylor & D. J. Keil
Cryptantha celosioides (Eastw.) Payson	*Oreocarya glomerata* (Pursh) Greene
Cryptantha crymophila Jtn.	*Oreocarya crymophila* (I. M. Johnst.) Jeps. & Hoover
Cryptantha tumulosa (Pays.) Pays.	*Oreocarya tumulosa* Payson

Name changes made in the CNPS Inventory on 2022-07-20

Eucephalus glabratus (Greene) Greene	*Doellingeria glabrata* (Greene) Semple, Brouillet & G. A. Allen
Leptosiphon acicularis (Greene) Jeps.	*Leptosiphon aureus* Benth.
Lupinus holmgrenianus C. P. Smith	*Lupinus polyphyllus* Lindl. var. *humicola* (A. Nelson) Barneby
Thelypteris puberula (Baker) C. Morton var. *sonorensis* A. R. Smith	*Pelazoneuron puberulum* (Baker) A. R. Sm. & S. E. Fawc. var. *sonorensis* (A. R. Sm.) A. R. Sm. & S. E. Fawc.
Family Adoxaceae with taxon *Viburnum ellipticum*	Now in family Viburnaceae

Literature Cited

Allen, G. A., L. Brouillet, J. C. Semple, H. J. Guest, and R. Underhill. 2019. Diversification of the North American *Doellingeria-Eucephalus* clade (Astereae: Asteraceae) inferred from molecular and morphological evidence. *Systematic Botany* 44: 930–942.

Allen, G. A. 2020. *Doellingeria glabrata*, in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 8, https: //ucjeps.berkeley.edu/eflora_display.php?tid=108970 [accessed June 10, 2022].

Bell, C. D. 2022. Viburnaceae, in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 10, https: //ucjeps.berkeley.edu/eflora_display.php?tid=76399 [accessed June 10, 2022].

[CNDDB] California Department of Fish and Wildlife, Natural Diversity Database. 2022. RareFind 5 [Internet application] and CNDDB Maps and Data. Available at: https://www.wildlife.ca.gov/Data/CNDDB/Maps-and-Data [accessed June 2022].

[CNPS] California Native Plant Society, Rare Plant Program. 2022. *Inventory of Rare and Endangered Plants of California* (online edition, v8-03 0.39). Website http://www.rareplants.cnps.org [accessed June 2022].

Fawcett, S., J. C. Game, A. R. Smith, and T. Lemieux. 2012. *Pelazoneuron puberulum* var. *sonorensis* in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 9, https: //ucjeps.berkeley.edu/eflora_display.php?tid=84703 [accessed June 10, 2022].

Fawcett, S., A. R. Smith, M. Sundue, J. G. Burleigh, E. B. Sessa et. al. 2021. A global phylogenomic study of the Thelypteridaceae. *Systematic Botany* 46: 891–915.

Hasenstab-Lehman, K.E. and M.G. Simpson. 2012. Cat's eyes and popcorn flowers: phylogenetic systematics of the genus *Cryptantha* s. l. (Boraginaceae). Systematic Botany 37(3): 738 – 757.
Hasenstab-Lehman, K. E., R. B. Kelley, and M. G. Simpson. 2021. *Oreocarya*, in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 9, https: //ucjeps.berkeley.edu/eflora_display.php?tid=68980 [accessed June 10, 2022].

Keil, D. J. 2020. *Hooveria*, in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 8, https: //ucjeps.berkeley.edu/eflora_display.php?tid=108964 [accessed June 10, 2022].

NatureServe. 2022. NatureServe Explorer: An online encyclopedia of life [web application]. Version 7.1. NatureServe, Arlington, Virginia. Website http://explorer.natureserve.org [accessed February 2022].

Nesom, G. L. 1993. Taxonomy of *Doellingeria* (Asteraceae: Astereae). *Phytologia* 75: 452–462.

Patterson, R. W. and R. Battaglia. 2021. Leptosiphon aureus, in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 9, https: //ucjeps.berkeley.edu/eflora_display.php?tid=84733 [accessed June 10, 2022].

Porter, J. M. and R. W. Patterson. 2015. A fistful of Polemoniaceae: new names and combinations. *Aliso* 32: Iss. 2, Article 2.

Sholars, T. and R. Riggins. 2020. *Lupinus polyphyllus* var. *humicola***,** in Jepson Flora Project (eds.) *Jepson eFlora*, Revision 8, https: //ucjeps.berkeley.edu/eflora_display.php?tid=61431 [accessed June 10, 2022].

Simpson, M. G., C. M. Guilliams, K. E. Hasenstab-Lehman, M. E. Mabry, and L. Pipma. 2017. Phylogeny of the popcorn flowers: use of genome skimming to evaluate monophyly and interrelationships in subtribe Amsinckiinae (Boraginaceae). *Taxon* 66: 1406–1420.

Sims, A. E., K. Lazar, and R. Bittman. 2016a. Status Review Document. Non-Substantive Name Changes: Boraginaceae. California Native Plant Society, Sacramento, CA.

Sims, A. E., R. Bittman, and K. Lazar. 2016b. Status Review Document. Non-Substantive Name Changes: *Cryptantha* to *Greeneocharis*, *Johnstonella*, and *Oreocarya*. California Native Plant Society, Sacramento, CA.

Taylor, D. W. and D. J. Keil. 2018. *Hooveria*, a new genus liberated from *Chlorogalum* (Agavaceae subf. Chlorogaloideae). *Phytoneuron* 2018-67: 1–6.