

References Cited
Deseret Milkvetch Final Rule

- Anderson, K.T. 2016. U.S. Forest Service. Email to J. Lewinsohn. May 31, 2016.
- Ault, T.R., J.E. Cole, J.T. Overpeck, G.T. Pederson, and D.M. Meko. 2013. Assessing the risk of persistent drought using climate model simulations and paleoclimate data. *Journal of Climate* 27:7529–7549.
- Barneby, R.C. 1989. In Intermountain Flora Vascular Plants of the Intermountain West, U.S.A. Volume 3, Part B, Fabales. The New York Botanical Garden. Pp. 126–127.
- Dodge, R. 2009. Deseret milkvetch (*Astragalus desereticus*) collection and propagation final report. Red Butte Garden and Arboretum. 12 pp.
- Fitts, R.D. 2008. Summary of *Astragalus desereticus* field survey conducted spring 2008. Project report by Natural Heritage Program Utah Division of Wildlife Resources. 2 pp.
- Fitts, R.D. 2016. Utah Natural Heritage Program. Comments submitted on www.regulations.gov. May 12, 2016.
- Fitts, R.D. and S.G. Fitts. 2009. Inventory of the rare endemic plant *Astragalus desereticus* (Deseret milkvetch). Project report by Natural Heritage Program Utah Division of Wildlife Resources. 9 pp.
- Fitts, R.D. and S.G. Fitts. 2010. Survey and monitoring the rare endemic plant *Astragalus desereticus* (Deseret milkvetch). Project report by Natural Heritage Program Utah Division of Wildlife Resources. 10 pp.
- Franklin, M.A. 1990. Report for 1990 challenge cost share project Manti-LaSal National Forest. Utah Natural Heritage Program. 22 pp.
- Fulbright. 1987. Natural and artificial scarification of seeds with hard coats. In Proceedings of Seed and Seedbed Ecology of Rangeland Plants. P. 40.
- Gitlin, A.R., C.M. Stuhltz, M.A. Bowker, S. Stumpf, K.L. Paxton, K. Kennedy, A. Muñoz, J.K. Bailey, and T.G. Whitham. 2006. Mortality gradients within and among dominant plant populations as barometers of ecosystem change during extreme drought. *Conservation Biology* 20(5):1477–1486.
- Goodrich, S., L. Armstrong, and R. Thompson. 1999. Endemic and endangered plants of pinyon-juniper communities. USDA Forest Service Proceedings RMRS-P-9. 9 pp.
- Howard, M. 2016. Utah Division of Wildlife Resources. Email to J. Lewinsohn. May 2, 2016.
- Howard, M. 2017. Utah Division of Wildlife Resources. Email to J. Lewinsohn. June 20, 2017.

- Howard, M. 2018. Utah Division of Wildlife Resources. Email to T. Switek. February 8, 2018.
- Integrated Taxonomic Information System. 2015. Taxonomy for *Astragalus desereticus*. www.itis.gov. Accessed October 23, 2015.
- Intergovernmental Panel on Climate Change. 2007. Climate Change 2007: Synthesis Report. 52 pp.
- Jorgensen, B. 2016a. GIS contractor for U.S. Fish and Wildlife Service. Email to J. Lewinsohn. May 9, 2016.
- Jorgensen, B. 2016b. GIS contractor for U.S. Fish and Wildlife Service. Email to J. Lewinsohn. June 6, 2016.
- Kisen, N. 2016. Utah Department of Transportation. Email to J. Lewinsohn. June 6, 2016.
- Kunkel, K.E., L.E. Stevens, S.E. Stevens, L. Sun, E. Janssen, D. Wuebbles, K.T. Redmond, and J.G. Dobson. 2013. Regional climate trends and scenarios for the U.S. National Climate Assessment, part 5. Climate of the southwest U.S. NOAA Technical Report NESDIS 142-5. 87 pp.
- Larsen, B. 2016. Utah County. Email to J. Lewinsohn. April 18, 2016.
- Lewinsohn, J. 2016. U.S. Fish and Wildlife Service. Final notes from May 2, 2016 conference call with stakeholders.
- Mensing, S., J. Smith, K. Burkle Norman, and M. Allan. 2007. Extended drought in the Great Basin of western North America in the last two millennia reconstructed from pollen records. *Quaternary International*. 11 pp.
- Miller, G. 2016. TransWest Express. Comments submitted on www.regulations.gov. May 13, 2016.
- National Drought Resilience Partnership (NDRP). 2018. National Drought Mitigation Center website. <https://www.drought.gov/drought/data-source/national-drought-mitigation-center-ndmc>. Accessed May 3, 2018.
- Orscheg, C.K. and N.J. Enright. 2011. Patterns of seed longevity and dormancy in obligate seeding legumes of box-ironbark forests, south-eastern Australia. *Austral Ecology* 36:185-194.
- Primack, R.B. 1998. Chapter 8 Vulnerability to Extinction. *In* *Essentials of Conservation Biology*. Sinauer Associates Publishers, Sunderland, MA. 660 pp.
- Segura F., J.J. Martinez-Sanchez, M. Aguado, J.A. Franco, and M.J. Vicente. 2014. Could recently locally extinct population patches of *Astragalus nitidiflorus* regenerate from the soil seed bank? *Journal of Arid Environments* 110: 75-78.

- Simons, A. 2009. Fluctuating natural selection accounts for the evolution of diversification bet hedging. *In* *Proceedings of the Royal Society B*. Pp. 1987–1992.
- Stone, R.D. 1992. Element stewardship abstract for *Astragalus desereticus*. Report for The Nature Conservancy. 20 pp.
- SWCA Environmental Consultants. 2015. Deseret milkvetch survey report for the TransWest Express Transmission Project. Prepared for TransWest Express LLC. 29 pp.
- Tebaldi, C., D. Adams-Smith, and N. Heller. 2012. The heat is on U.S. temperature trends. 22 pp.
- Tielbörger, K., M.C. Bilton, J. Metz, J. Kigel, C. Holzapfel, E. Lebrija-Trejos, I. Konsens, H.A. Parag, and M. Sternberg. 2014. Middle-eastern plant communities tolerate 9 years of drought in a multi-site climate manipulation experiment. *Nature Communications*. 9 pp.
- Tilley, D., L. St. John, and D. Ogle. 2010. Plant guide for Deseret milkvetch (*Astragalus desereticus*). USDA-Natural Resources Conservation Service, Idaho Plant Materials Center. Aberdeen, ID. 2 pp.
- U.S. Fish and Wildlife Service. 2011. *Astragalus desereticus* (Deseret milk-vetch) 5-year review: summary and evaluation. 28 pp.
- U.S. Fish and Wildlife Service. 2016. Biological opinion and informal consultation for the TransWest Express transmission line right-of-way project—Carbon and Sweetwater Counties, Wyoming; Moffat and Rio Blanco Counties, Colorado; Duchesne, Sanpete, Uintah, Utah, Wasatch, Juab, Millard, Beaver, and Iron Counties, Utah; and Lincoln and Clark Counties, Nevada. 118 pp.
- Utah County. 2016. Utah County Land Use Ordinance. 290 pp.
- Utah Division of Wildlife Resources, Utah Department of Transportation, Utah School and Institutional Trust Lands Administration, and U.S. Fish and Wildlife Service. 2006. Conservation Agreement for Deseret milk-vetch (*Astragalus desereticus*). 15 pp.
- Utah Natural Heritage Program (UNHP). 2018. *Astragalus desereticus* (Deseret milkvetch) monitoring update, 2017 data. 5 pp.
- Wallace, S. 2016. Utah School and Institutional Trust Lands Administration. Email to J. Lewinsohn. April 18, 2016.
- Western Area Power Administration. 2015. Petition to delist Deseret milk-vetch (*Astragalus desereticus*) submitted pursuant to the Endangered Species Act. 5 pp.

Williams, W.A. and J.R. Elliott. 1960. Ecological significance of seed coat impermeability to moisture in crimson, subterreanean and rose clovers in a Mediterranean-type climate. *Ecology* 41(4):733–742.