



# References

## References

### BIBLIOGRAPHY

- Addley, Craig, Bethany Neilson, Leon Basdekas, and Thomas Hardy. 2005. *Virgin River Temperature Model Validation (Draft)*. Institute for Natural Systems Engineering, Utah Water Research Laboratory, Utah State University, Logan, UT: Utah State University.
- Alder, Douglas D., and Karl F. Brooks. 1996. *A History of Washington County: From Isolation to Destination*. Salt Lake City, Utah: Utah State Historical Society.
- Aliison, James R. 2000. "Craft Specialization and Exchange in Small-Scale Societies: A Virgin Anasazi Case Study." Unpublished PhD diss., Arizona State University.
- Allison, James R. 1990. "Anasazi Subsistence in the St. George Basin, Southwestern Utah." Unpublished Master's Thesis, Brigham Young University.
- Altschul, J. H., and H. C. Fairley. 1989. *Man, Models, and Management: An Overview of the Arizona Strip and the Management of its Cultural Resources*. St. George, UT: U.S. Forest Service and Bureau of Land Management.
- Arizona-Sonoran Desert Museum. 2015. "Western Banded Gecko." Accessed February. [http://www.desertmuseum.org/books/nhsd\\_banded-gecko.php](http://www.desertmuseum.org/books/nhsd_banded-gecko.php).
- Audubon. 2015. "Ferruginous Hawk." Accessed February. <http://www.audubon.org/field-guide/bird/ferruginous-hawk>.
- Audubon. 2015. "Burrowing Owl." Accessed February. <http://www.audubon.org/field-guide/bird/burrowing-owl>.
- Audubon and Cornell Lab of Ornithology. 2013. "Range and Point Map." Accessed November. <http://www.ebird.org/content/ebird/html>.
- Brennan, Thomas C. 2014. "Online Field Guide to The Reptiles and Amphibians of Arizona." Accessed October 23. <http://www.retilsofaz.org/html>.
- Bernales, Heather H., Justin Dolling, and Kevin Bunnel. 2009. *Utah Cougar Annual Report 2009*. Salt Lake City: Utah Division of Wildlife Resources.
- Bernales, Heather H., Justin Dolling, and Kevin Bunnel. 2010. *Utah Cougar Annual Report 2010*. Salt Lake City: Utah Division of Wildlife Resources.
- Bernales, Heather H., Justin Dolling, John Shivik, and Kevin Bunnel. 2011. *Utah Cougar Annual Report 2011*. Salt Lake City: Utah Division of Wildlife Resources.
- Beschta, Robert L., et al. 2012. "Adapting to Climate Change on Western Public Lands: Addressing the Ecological Effects of Domestic, Wild, and Feral Ungulates." Environmental Management. DOI 10.1007/s00267-012-9964-9.
- Biek, Robert F. 2003. "Geologic Map of the Hurricane Quadrangle 7.5' Quadrangle, Washington County, Utah." Salt Lake City: Utah Department of Natural Resources, Utah Geological Survey.
- Biek, Robert F., and Chris J. Rohrer. 2006. *Mining Districs of Utah*. Vol. 32. Salt Lake City: Utah Geological Association.
- Biek, Robert F., and Peter D. Rowley, Janice M. Hayden, David B. Hacker, Grant C. Willis, Lehi F. Hintze, Ernest R. Anderson, Kent D. Brown. 2009. "Geologic map of the St. George and east part of the Clover Mountains 30' x 60' quadrangles, Washington and Iron Counties, Utah." Salt Lake City: Utah Department of Natural Resources, Utah Geological Survey.
- Brooks, Matt, and Jeanne Chambers. n.d. "Invasive Plants that Alter Fire Regimes in the Deserts of North America." Presentation slides. El Portal, CA: U.S. Geological Survey. Accessed February 6, 2015. [http://www.rangelands.org/deserts/powerpoints/plenary/Brooks\\_Chambers\\_Fire\\_Regimes.pdf](http://www.rangelands.org/deserts/powerpoints/plenary/Brooks_Chambers_Fire_Regimes.pdf)
- Bureau of Economic Analysis (BEA). 2010. "Table CA30" Accessed June. <http://www.bea.gov/regional/definitions/#E>.

- Bureau of Land Management St. George Field Office. 1999. *Dixie Resource Area Management Situation Analysis*. St. George: Author.
- Bureau of Land Management St. George Field Office. 1999. *St. George Field Office Record of Decision and Resource Management Plan*. St. George, UT: Author.
- Bureau of Land Management. 2003. "Instruction Memorandum No. UT 2003-027 New Sensitive Plant Species List." Salt Lake City: Author. [http://www.utso.ut.blm.gov/supportservices/SS\\_2003ims.htm](http://www.utso.ut.blm.gov/supportservices/SS_2003ims.htm)
- Bureau of Land Management. 2004. *Fire Management Plan for the Southwest Utah Support Area Environmental Assessment*. Cedar City: Author.
- Bureau of Land Management. 2005. "Instruction Memorandum No. 2005-92 Geocaching Activities on Bureau of Land Management (BLM) Public Lands." Washington, D.C.: Author. <http://web.blm.gov/internal/wo-500/directives/dir-14/wo-im-14.html>
- Bureau of Land Management. 2007. "Instruction Memorandum No. UT 2007-078 Updated Utah Bureau of Land Management (BLM) State Director's Sensitive Plant and Animal Species Lists." Salt Lake City: Author. [http://www.utso.ut.blm.gov/supportservices/SS\\_2007ims.htm](http://www.utso.ut.blm.gov/supportservices/SS_2007ims.htm)
- Bureau of Land Management St. George Field Office. 2008. "Report Number U-08-BL-1175 b. IMACS Site Form." Unpublished report.
- Bureau of Land Management St. George Field Office. 2010. "Southwestern Willow Flycatcher Habitat Surveys conducted on BLM lands in Washington County, Utah." Unpublished field survey notes.
- Bureau of Land Management. 2011. "Instruction Memorandum No. 2011-019 Special Recreation Permit Administration." Washington, D.C.: Author. <http://web.blm.gov/internal/wo-500/directives/dir-14/wo-im-14.html>
- Bureau of Land Management. 2011. "Instruction Memorandum No. 2011-154 Requirement to Conduct and Maintain Inventory Information for Wilderness Characteristics and to Consider Lands with Wilderness Characteristics in Land Use Plans." Washington, D.C.: Author. <http://web.blm.gov/internal/wo-500/directives/dir-14/wo-im-14.html>
- Bureau of Land Management. 2011. "Instruction Memorandum No. 2011-154, Attachment 1, Policy on Conducting Wilderness Characteristics Inventory on BLM Lands." Washington, D.C.: Author. <http://web.blm.gov/internal/wo-500/directives/dir-14/wo-im-14.html>
- Bureau of Land Management. 2011. "Instruction Memorandum No. 2011-154, Attachment 2, Considering Lands with Wilderness Characteristics in the BLM's Land Use Planning Process." Washington, D.C.: Author. <http://web.blm.gov/internal/wo-500/directives/dir-14/wo-im-14.html>
- Bureau of Land Management St. George Field Office. 2012. "Competitive Mountain Bike Events in the Red Bluff ACEC, Competitive Use Area, Santa Clara River Reserve, and Other Public Lands Managed by the St. George Field Office Environmental Assessment." St. George: Author.
- Bureau of Land Management St. George Field Office. 2012. *Socioeconomic Baseline Report for the RMP for the Beaver Dam and Red Cliffs NCAs and the Amendment to the SGFO RMP and the associated EIS*. Unpublished report.
- Bureau of Land Management St. George Field Office. 2013. "Virgin River Arundo Removal Environmental Assessment." St. George, UT: Author.
- Bureau of Land Management St. George Field Office. 2015. "Environmental Assessment Eastern Lake Mountains Target Shooting Plan Amendment (DOI-BLM-UT-W010-2015-0015-EA)." [https://eplanning.blm.gov/epl-front-office/eplanning/nepa/nepa\\_register.do](https://eplanning.blm.gov/epl-front-office/eplanning/nepa/nepa_register.do)
- Bury, R. Bruce, and Paul Stephen Corn. 1995. "Have Desert Tortoises Undergone a Long-Term Decline in Abundance?" *Wildlife Society Bulletin* 23, 1:41-47.
- California Herps. 2014. "Southwestern Speckled Rattlesnake-Crotalus mitchellii pyrrhus." <http://www.californiaherps.com/snakes/pages/c.m.pyrrhus.htm>
- Cao, X., Ma, L.Q., Chen, M., Hardison, D.W. and Harris, W.G. 2003. "Weathering of lead bullets and their environmental effects at outdoor shooting ranges." *Journal of Environmental Quality* 307:526-534.

- Clawson, R.L. 2000. "Implementation of a Recovery Plan for the Endangered Indiana Bat." In *Proceedings of Bat Conservation and Mining: A Technical Interactive Forum*. Edited by K.C. Vories and D. Throgmorton. 14-16 November, St. Louis, Mo. pp. 239-250.
- Clements, Charlie C., Kenneth J. Gray, and James A. Young. 1997. "Forage Kochia: To Seed or Not to Seed." *Rangelands* 19, 4:29-31.
- Community Environmental Monitoring Program. 2008. "Climatological and Gamma Radiation Summary, St. George, Utah." Accessed March 24. <http://www.cemp.dri.edu/cemp/climate/?stn=stgu>.
- Coombs, Eric M. 1997. *Wildlife Observations of the Hot Desert Region, Washington County, Utah, with Emphasis on Reptilian Species and Their Habitat in Relation to Livestock Grazing*. Cedar City, UT: Bureau of Land Management.
- Coombs, Eric M. 1975. *Utah Cooperative Desert Tortoise Study*. Department of Interior. Cedar City, UT: Bureau of Land Management.
- Cornell Lab of Ornithology. 2015. "Lewis's Woodpecker." Accessed February. [http://www.allaboutbirds.org/guide/Lewis\\_Woodpecker/id](http://www.allaboutbirds.org/guide/Lewis_Woodpecker/id).
- Dalley, Gardiner F, and Douglas A. McFadden. 1985. *The Archaeology of the Red Cliffs Site*. Salt Lake City: Bureau of Land Management.
- Defenders of Wildlife. 2014. "Mexican Spotted Owl." Accessed October 28. <http://www.defenders.org/mexican-spotted-owl/basic-facts.html>.
- Encyclopaedia Britannica. 2014. "Ecotone." Accessed October 30. <http://www.britannica.com/EBchecked/topic/178617/ecotone.html>.
- Environmental Protection Agency. 2010. "Utah Impaired Waters and TMDL Information." Accessed March 24. [http://iaspub.epa.gov/tmdl/attains\\_state.control?p\\_state=UT&p\\_cycle=&p\\_report\\_type=T](http://iaspub.epa.gov/tmdl/attains_state.control?p_state=UT&p_cycle=&p_report_type=T).
- Environmental Protection Agency. 2013. "Air Data Reports." Accessed March 27. <http://www.epa.gov/airdata/ad-reports.html>.
- Environmental Protection Agency. 2014. "Air Data Reports." Accessed April 2. <http://www.epa.gov/airdata/ad-reports.html>.
- Eisler, R. 1988. "Lead hazards to fish, wildlife, and invertebrates: a synoptic review." U. S. Fish and Wildlife Service, #14 Lead, *Biological Report* 85(1.14):1-133.
- Fridell, Richard A., Ann M. McLuckie, and Leo D. Lentsch. 1998. *Desert Tortoise Monitoring Plan, Red Cliffs Desert Reserve, Washington County, Utah*. Salt Lake City: Utah Division of Wildlife Resources.
- Geocaching.com. 2014. "Geocaching." Accessed March 26. <http://www.geocaching.com/html>.
- Germano, David J. 1992. "Longevity and Age-Size Relationships of Populations of Desert Tortoises." *Copeia* 2:367-374.
- Germano, David J. 1998. "Scutes and Age Determination of Desert Tortoises Revisited." *Copeia* 2:482-484.
- Gray, Eric C., and Patricia S Muir. 2013. "Does Kochia prostrata Spread From Seeded Sites? An Evaluation From Southwestern Idaho, USA." *Rangeland Ecology and Management* 66, 2:191-203.
- Hardy, Ross. 1945. "The Influence of Types of Soil upon the Local Distribution of Some Mammals in Southwestern Utah." *Ecological Monographs* 15, 1:71-108.
- Hayden, Janice M., Lehi F. Hinze, and Buck J. Ehler. 2005. *Interim Geologic Map of the Castle Cliff Quadrangle and the east half of Terry Benches Quadrangle, Washington County, Utah and Mohave County, Arizona Open File Report 457 and 464*. Salt Lake City: Utah Department of Natural Resources, Utah Geological Survey.
- Heilweil, V. M., G. W. Freethey, C. D. Wilkowske, B. J. Stolp, and D. E. Wilberg. 2000. *Geohydrology and Numerical Simulation of Ground-water flow in the Central Virgin River Basin of Iron and Washington Counties, Utah*. Salt Lake City: Utah Division of Water Rights.

- Hudson, P., K. Berry, C.R. Tracy, E. McCoy, K. Ralls, J.M. Reed, and R. Steidl (Desert Tortoise Science Advisory Committee). 2009. "Understanding disease in desert tortoise populations: a brief summary of knowledge and recommendations pertinent to conservation." A white paper presented to the U.S. Fish and Wildlife Service.
- Hunt, W. G., W. Burnham, C. N. Parish, K. Burnham, B. Mutch, and J. L. Oaks. 2006. "Bullet Fragments in Deer Remains: Implications for Lead Exposure in Scavengers." *Wildlife Society Bulletin* 34:168-171.
- Jacobs and Logan Simpson Design, Inc. 2012. *Washington Parkway Study: Integration of East-West Transportation Needs with Conservation Objectives for Desert Tortoise in Washington County, Utah*. St. George, UT: Dixie Metropolitan Planning Organization
- Jass, Christopher N., and Christopher J. Bell. 2010. "Desert Tortoises (*Gopherus agassizii*) from Pleistocene Sediments in Cystal Cave, White Pine County, Nevada." *The Southwestern Naturalist* 55, 4:558-563.
- Locke, L.N. and N.J.Thomas. 1996. "Lead Poisoning Of Waterfowl and Raptors." Pages 108-117 in A. Fairbrother, L.N. Locke and G.L. Huff (eds.), *Noninfectious Diseases of Wildlife*, second edition. Ames, IA: Iowa State University Press
- Lyneis, Margaret M. 1995. "The Virgin Anasazi: Far Western Pueblos." *Journal of World Prehistory* (Springer) 9 (2):199-241.
- Lyneis, Margaret M. 1996. *Pueblo II--Pueblo III Change in Southwestern Utah, the Arizona Strip, and Southern Nevada*. Vol. In the Prehistoric Pueblo World, edited by M.A. Adlet. Tuscon, AZ: The University of Arizona Press.
- McLuckie, Ann M., R. M. Bennion Bennion, and Richard A. Fridell. 2006. *Regional Desert Tortoise Monitoring in the Red Cliffs Desert Reserve, 2005*. Salt Lake City: Utah Department of Wildlife Resources.
- McLuckie, Ann M., Patrick G. Emblidge, and Richard A. Fridell. 2010. *Regional Desert Tortoise Monitoring in the Red Cliffs Desert Reserve, 2009*. Salt Lake City:Utah Division of Wildlife Resources.
- McLuckie, Ann M., Richard A. Fridell, Tammy K. Smith, and Brian A. Zettle. 1998. *UDWR 1997 Annual Report: Distance Sampling Monitoring in the Red Cliffs Desert Reserve, Washington County, Utah. Final Report*. Salt Lake City: Utah Division of Wildlife Resources.
- McLuckie, Ann M., and Richard A. Fridell. 1999. *UDWR 1998 Annual Report: Desert Tortoise Monitoring in the Red Cliffs Desert Reserve, Washington County, Utah. Final Report*. Salt Lake City: Utah Division of Wildlife Resources.
- McLuckie, Ann M., Meribeth Huizinga, and Richard A. Fridell. 2013. *Desert Tortoise Occupancy and Survival Estimation within the Red Cliffs Desert reserve, Washington County, Utah*. Salt Lake City: Utah Division of Wildlife Resources.
- McLuckie, Ann M., Cecil R. Schwable, and Robert D. McCord. 1999. "Genetic and Morphometric Assessment of an Unusual Tortoise (*Gopherus agassizii*) Population in the Black Mountains of Arizona." *Journal of Herpetology* 33, 1:36-44.
- Minden, R. L. 1980. *Investigations of Desert Tortoise Gopherus Agassizii on the Beaver Dam Slope, Washington County, Utah*. Salt Lake City: Utah Division of Wildlife Resources.
- Moffitt, Kathleen, Sandra Rayl, and Michael Metcalf. 1978. *Archaeological Investigations Along the Navajo-McCullough Transmission Line, Southern Utah and Northern Arizona*. Flagstaff, AZ: Museum of Northern Arizona.
- National Geographic. 2014. "Bald Eagle." Accessed October 7. <http://animals.nationalgeographic.com/animals/birds/bald-eagle/>.
- National Geographic. 2014. "Northern Leopard Frog." Accessed October 7. <http://animals.nationalgeographic.com/animals/amphibians/northern-leopard-frog/>.
- National Park Service. 2014. "Joshua Trees." Accessed Decemeber 5. <http://www.nps.gov/jotr/naturescience/jtrees.htm>.
- National Science Teachers Association. 2014. "Soil: It's Not Dirt." Accessed December 20. <http://www.nsta.org/InsideOutChp4.pdf>.
- Northern Arizona University. 2010. "Red Cliffs Desert Tortoise Reserve Recreation Impact Assessment Results 2010 Narrative." Edited by Pam Foti. Unpublished report.
- Nussear, K. E., C. R. Tracy, P. A. Medica, D. S. Wilson, R W Marlow, and P. S. Corn. 2012. "Translocation as a Conservation Tool for Agassiz's Desert Tortoises: Survivorship, Reproduction, and Movements." *The Journal of Wildlife Management* 76, 7:1341-1353.
- Old Spanish Trail Association. n.d. "Antonio Armijo Pioneered Trade on the Old Spanish Trail." Accessed March 12, 2015. <http://www.oldspanishtrail.org/assets/downloads/TrailPersonalityProfile-Armijo.pdf>
- Oliver, George W.. 2000. *Bats of Utah: A Literature Review*. Salt Lake City:Utah Division of Wildlife Resources.
- Parrish, J. R., F. P. Howe, and R. E. Norvell. 2002. *Utah Partners in Flight Avian Conservation Strategy*. Salt Lake City: Utah Division of Wildlife Resources.
- Pattee, O.H., P.H. Bloom, J.M. Scott and M.R. Smith. 1990. "Lead Hazards Within the Range of the California Condor." *Condor* 92:931-937.
- Pinkham, Richard. 2012. *Socioeconomic Baseline Report for the Resource Management Plans for the Beaver Dam Wash and Red Cliffs National Conservation Areas and the Amendment to the St. George Field Office Resource Management Plan and the Associated Environmental Impact Statement*. Unpublished report on file with Bureau of Land Management, St. George Field Office, Utah.
- Poche, Richard M. 1981. *Ecology of the Spotted Bat (Euderma maculatus) in Southwest Utah*. Salt Lake City: Utah Division of Wildlife Resources.
- Provencher, Louis, Joel Tuhy, Elaine York, Gen Green, and Tanya Anderson. 2011. *Landscape Conservation Forecasting for Washington County's National Conservation Areas*. The Nature Conservancy, Reno, NV: The Nature Conservancy.
- Prudential Realty. 2014. "Local Lifestyle." Accessed March 24. [http://www.prudentialstgeorgerealty.com/14\\_local\\_lifestyle.html](http://www.prudentialstgeorgerealty.com/14_local_lifestyle.html).
- Rehm, Amos H., Richard A. Fridell, and Craig R. Addley. 2006. *Virgin River Basin 200402005 Temperature and Flow Monioting*. Salt Lake City: Utah Division of Wildlife Resources.
- Relic Leopard Frog Conservation Team. 2005. *Conservation Agreement and Rangewide Conservation Assesment and Strategy for the Relic Leopard Frog (Rana onca): Relic Leopard Frog Conservation Team*. <http://www.fws.gov/nevada/es/documents/esa/Rana%20onca%20CAS%20Final.pdf>.
- Rhode, David. 2002. *Native Plants of Southern Nevada: An Ethnobotany*. Salt Lake City: The University of Utah Press.
- Rogers, Duke S., and Monte L. Bean. 19997. *Spotted Bat (Euderma maculatum) and Former C2 Species Inventory in Washington County, UT*. Unpublished report commissioned by Bureau of Land Management, produced at Brigham Young University, Life Science Museum, Salt Lake City, UT.
- Searle, Ally, and Wendy Yates. 2010. *Status Report for Three Endangered Species in Southern Utah; Arctomecon humilis (Dwarf bear poppy), Astragalus ampullaroides (Shivwits milkvetch), and Astragalus holmgreniorum (Holmgren milkvetch)*. Unpublished report on file with Bureau of Land Management, St. George Field Office, Utah.
- Snow Canyon Marketing. 2014. "The Cliffs of Snow Canyon." Accessed March 24. <http://www.snowcanyonmarketing.com/content/cliffs-of-snow-canyon.html>.
- Snow, Carol. 1974. *Spotted Bat (Euderma Maculatum) Habitat Management Series for Endangered Species*. Denver: Bureau of Land Management.
- St. George Chamber of Commerce. 2014. "Housing Developments." Accessed March 24. <http://www.stgeorgechamber.com/live-here/finding-a-home/new-homes/html>.
- Talbot, Richard K., and Lane D. Richens. 2009. *Shifting Sands: The Archaeology of Sand Hollow*. Provo, UT: Brigham Young University.
- Tanner, Vasco M. 1927a. "Distributional List of the Amphibians and Reptiles of Utah." *Copeia*, no. 163:54-58.

Tanner, Vasco M. 1927b. "Notes on Birds Collected in the Virgin River Valley of Utah." *The Condor* 29, 4:196-200.

Tepedino, V. J. 2005. "Final Report: Reproduction and Pollination of Two Rare Species of *Astragalus* from Washington County, Southern Utah: *A. holmgreniorum* and *A. ampullarioides*." Logan, UT: Utah State University.

The Peregrine Fund. 2012. "Map of California Condor telemetry data for Washington County." Edited by Chris Parish. Unpublished map.

Topham, Seth. 2010a, September 15. "State of Utah COR Tortoise Reporting Form (Carcass)." Unpublished report.

Topham, Seth. 2010b. "State of Utah COR Tortoise Reporting Form." Unpublished report.

University of Idaho. 2011. "Red Cliffs National Conservation Area Visitor Survey." Moscow, ID: University of Idaho Park Studies Unit.

U.S. Census Bureau. 2014. "Quick Facts." Accessed January 10. <http://quickfacts.census.gov/qfd/index/html>.

U.S. Department of Agriculture. 1996. "Final Environmental Impact Statement (FEIS) for the Revised Land and Resource Management Plan, National Forests & Grasslands in Texas." Southern Region: Author.

U.S. Fish and Wildlife Service. 1967. "Final Rule to List the Bald Eagle as an Endangered Species." *Federal Register*, 03 11, 1967: 4001.

U.S. Fish and Wildlife Service. 1976. "Final Rule to List the California Condor as an Endangered Species." *Federal Register*, 11 24, 1976: 41914-41916.

U.S. Fish and Wildlife Service. 1980. "Final Rule to List the Beaver Dam Slope Population of Desert Tortoise as a Threatened Species and Designation of Critical Habitat." *Federal Register*, 08 20, 1980: 55654-55666.

U.S. Fish and Wildlife Service. 1994. *Desert Tortoise Recovery Plan*. Sacramento, CA: U.S. Fish and Wildlife Service.

U.S. Fish and Wildlife Service. 1994. "Proposal to List the Fish Virgin Spinedace as a Threatened Species." *Federal Register*, 05 15, 1994: 25875-25880.

U.S. Fish and Wildlife Service. 1995. "Final Rule to List the Southwestern Willow Flycatcher as an Endangered Species." *Federal Register*, 02 27, 1995: 10693-10715.

U.S. Fish and Wildlife Service. 1995. *Virgin River Fishes Recovery Plan*. Denver: Author.

U.S. Fish and Wildlife Service. 1996. "Endangered and Threatened Wildlife and Plants Establishment of a Nonessential Experimental Population of California Condors in Northern Arizona; Final Rule." *Federal Register*, October 16, 1996: 54044-54060.

U.S. Fish and Wildlife Service. 1996. "Intra-Service Section 7 Consultation for Issuance of Endangered Species Act Section 10(a)(1)(B) Permit for Incidental Take of Desert Tortoise in Washington County, Utah, Biological Opinion and Incidental Take Statement." Lakewood, CO: Author.

U.S. Fish and Wildlife Service. 1997. "Final Designation of Critical Habitat for Southwestern Willow Flycatcher." *Federal Register*, 07 22, 1997:39129-39147.

U.S. Fish and Wildlife Service. 2000. "Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Woundfin and Virgin River Chub." *Federal Register*, January 26, 2000: 4140-4146.

U.S. Fish and Wildlife Service. 2001. "Determination of Endangered Status for *Astragalus holmgreniorum* (Holmgren milk-vetch) and *Astragalus ampullarioides* (Shivwits milk-vetch)." *Federal Register*, September 28, 2001: 49560-49567.

U.S. Fish and Wildlife Service. 2001. "Endangered and Threatened Wildlife and Plants: 12-month Finding on a Petition to List the Northern Leopard Frog in the Western States as Threatened." *Federal Register*, October 5, 2011: 61896-61931.

U.S. Fish and Wildlife Service. 2002. *Final Recovery Plan for Southwestern Willow Flycatcher*. Albuquerque, NM: Author.

U.S. Fish and Wildlife Service. 2004. "Biological Opinion for the Proposed Addition Of Maneuver Training Lands at Fort Irwin, California (BO# 1-8-03-F-48)." Ventura, California: U.S. Fish and Wildlife Service.

U.S. Fish and Wildlife Service. 2006. *Astragalus holmgreniorum* (Holmgren Milk-Vetch) and *Astragalus ampullarioides* (Shivwits Milk-Vetch) *Recovery Plan*. Denver: U.S. Fish and Wildlife Service.

U.S. Fish and Wildlife Service. 2006. "Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for *Astragalus ampullarioides* (Shivwits milk-vetch) and *Astragalus holmgreniorum* (Holmgren milk-vetch)." *Federal Register*, December 27, 2006: 77972-78012.

U.S. Fish and Wildlife Service. 2006. "Range-Wide Monitoring of the Mojave Population of the Desert Tortoise: 2001-2005 Summary Report." Reno, NV: Desert Tortoise Recovery Office.

U.S. Fish and Wildlife Service. 2008a. *Birds of Conservation Concern 2008*. Arlington, VA: U.S. Fish and Wildlife Service, Division of Migratory Bird Management.

U.S. Fish and Wildlife Service. 2008b. "Desert Tortoise Management Oversight Group: Draft Charter." Reno, NV: U.S. Fish and Wildlife Service.

U.S. Fish and Wildlife Service. 2008. *The Virgin River Fishes Woundfin* (*Plagopterus argentissimus*) *Virgin River chub* (*Gila seminuda*) *5-Year Review: Summary and Evaluation*. West Valley City, Utah: U.S. Fish and Wildlife Service.

U.S. Fish and Wildlife Service. 2009. "Endangered and Threatened Wildlife and Plants; 90-day Finding on a Petition to List Northern Leopard Frog (*Lithobates* [=*Rana*] *pipiens*) in the Western United States as Threatened." *Federal Register*, July 1, 2009: 31389-31401.

U.S. Fish and Wildlife Service. 2010a. "Range-Wide Monitoring of the Mojave Population of the Desert Tortoise: 2008 and 2009 Reporting." Reno, NV: Desert Tortoise Recovery Office.

U.S. Fish and Wildlife Service. 2010b. "Range-Wide Monitoring of the Mojave Population of the Desert Tortoise: 2010 Annual Report." Reno, NV: Desert Tortoise Recovery Office.

U.S. Fish and Wildlife Service. 2011. *Revised Recovery Plan for the Mojave Population of the Desert Tortoise* (*Gopherus agassizii*). Sacramento, CA: Author.

U.S. Fish and Wildlife Service. 2012a. "Range-Wide Monitoring of the Mojave Desert Tortoise (*Gopherus agassizii*): 2011 Annual Report." Reno, NV: Desert Tortoise Recovery Office.

U.S. Fish and Wildlife Service. 2012b. "Range-Wide Monitoring of the Mojave Desert Tortoise (*Gopherus agassizii*): 2012 Annual Report." Reno, NV: Desert Tortoise Recovery Office.

U.S. Fish and Wildlife Service. 2013. "Endangered and Threatened Wildlife and Plants; Proposed Threatened Status for the Western Distinct Population Segment of the Yellow-Billed Cuckoo (*Coccyzus americanus*)." *Federal Register*, December 26, 2013: 78321-78322.

U.S. Fish and Wildlife Service. 2013a. "Endangered and Threatened Wildlife and Plants; Review of Native Species That are Candidates for Listing as Endangered or Threatened; Annual Notice of Findings on Resubmitted Petitions; Annual Description of Progress on Listing Actions." *Federal Register*, November 22, 2013: 70104-70162.

U.S. Fish and Wildlife Service. 2013b. "Health Assessment Procedures for the Mojave Desert Tortoise (*Gopherus agassizii*): A Handbook Pertinent to Translocation." Reno, Nevada: Desert Tortoise Recovery Office, U.S. Fish and Wildlife Service. [https://www.fws.gov/nevada/desert\\_tortoise/documents/reports/2013/assess/May2013-Desert-tortoise-health-eval-handbook.pdf](https://www.fws.gov/nevada/desert_tortoise/documents/reports/2013/assess/May2013-Desert-tortoise-health-eval-handbook.pdf).

U.S. Fish and Wildlife Service. 2014. "Northern Leopard Frog." 2014. Accessed March 20. [http://www.fws.gov/nevada/nv\\_species/nleopard\\_frog.html](http://www.fws.gov/nevada/nv_species/nleopard_frog.html).

U.S. Fish and Wildlife Service. 2015. "Threatened Species Status for the Northern Long-Eared Bat With 4(d) Rule; Final Rule and Interim Rule." *Federal Register* 80(63):17974-18033.

U.S. Forest Service. 2014. "Odocoileus hemionus." Accessed October 7. <http://www.fs.fed.us/database/feis/animals/mammal/odhe/all.html>.

U.S. Geological Survey. 2002. "Biological Soil Crusts: Webs of Life in the Desert." USGS Fact Sheet FS-065-01.

U.S. Geological Survey. 2004. "Effects of Invasive Alien Plants on Fire Regimes." Western Ecological Research Center Publication Brief for Resource Managers, July. <http://www.werc.usgs.gov/pubbriefs/index.html>

Utah Department of Agriculture and Food. 2010. "Utah Noxious Weed List." Salt Lake City: Author.

Utah Department of Environmental Quality. 2004. *TMDL Water Quality Study of the Virgin River Watershed*. Salt Lake City: Utah Division of Water Quality.

Utah Department of Environmental Quality. 2014. "Utah Air Monitoring Section." Accessed April 4. <http://www.airmonitoring.utah.gov/html>.

Utah Department of Natural Resources. 1998. *UDWR 1997 Annual Report: Distance Sampling Monitoring in the Red Cliffs Desert Reserve, Washington County, Utah*. Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2001. "Regional Desert Tortoise Monitoring in the Red Cliffs Desert Reserve 2011." Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2001. *Utah Cougar Management Plan, V. 2.1 2009-2021*. Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2002. "Program Document for the Virgin River Resource Management and Recovery Program." Salt Lake City: Author.

Utah Department of Natural Resources. 2002. *Virgin Spinedace (Lepidomeda mollispinis mollispinis) Conservation Strategy (Revised January 2002)*. Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2006. "Regional Desert Tortoise Monitoring in the Red Cliffs Desert Reserve 2005." Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2008. "Statewide Management Plan for Mule Deer." Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2008. *Utah Bighorn Sheep Statewide Management Plan*. Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2008. *Virgin Spinedace (Lepidomeda mollispinis mollispinis) Conservation Agreement and Strategy 2000-2008 Assessment*. Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2010. "Final Virgin Spinedace Populations Monitoring Summary 1994-2009." Salt Lake City: Utah Division of Wildlife Resources.

Utah Department of Natural Resources. 2011. "Utah Sensitive Species List." Salt Lake City: Division of Wildlife Resources.

Utah Department of Natural Resources. 2012. *Deer Herd Unit Management Plan Deer Herd Unit #20 (Pine Valley)*. Salt Lake City, UT: Utah Division of Wildlife Resources.

Utah Division of Wildlife Resources. 2010. "Vertebrate Animal Factsheets." Accessed January 4. <http://dwrcdc.nr.utah.gov/rsgis2/Search/SearchVerts.asp>.

Utah Division of Air Quality. 2013. *2013 Annual Report*. Salt Lake City: Author.

Utah Division of Wildlife Resources. 2014. "Allen's big-eared bat." Accessed March 20. <http://dwrcdc.nr.utah.gov/rsgis2/Search/Display.asp?FINm=idiophyl>.

Utah Division of Wildlife Resources. 2014. "Flannel-mouth Sucker." Accessed March 20. <http://dwrcdc.nr.utah.gov/rsgis2/search/Display.asp?FINm=catolati>.

Utah Division of Air Quality. 2014. "Utah Air Monitoring Section." 2014. Accessed March 27. <http://www.airmonitoring.utah.gov/html>.

Utah Division of Wildlife Resources. 2014. "Utah GAP Analysis - Predicted Habitat, Gambel's Quail. 2014." Accessed March 20. <http://dwrcdc.nr.utah.gov/rsgis2/Search/Map.asp?Id=198>.

Utah Division of Wildlife Resources. 2014. "Western Red Bat." Accessed March 20. <http://dwrcdc.nr.utah.gov/rsgis2/Search/Display.asp?FINm=lasiblos>.

Utah Division of Wildlife Resources. 2014. "Yellow-billed cuckoo." Accessed March 18. <http://dwrcdc.nr.utah.gov/rsgis2/search/Display.asp?FINm=coccamer>.

Utah Natural Heritage Program. 2001. "4044\_unhp\_exact\_pts." Utah Natural History Program database.

Van Buren, Renée, Janet G. Cooper, Leila M. Shultz, and Kimball T. Harper. 2011. *Woody Plants of Utah*. Logan, UT: Utah State University Press.

Washington County. 1995. *Habitat Conservation Plan, Washington County, Utah*. St. George, UT: Author.

Washington County Habitat Conservation Plan Administration. n.d. "Map and Trail Guide: Red Cliffs Desert Reserve." St. George: Author.

Washington County Habitat Conservation Plan Administration. 2000. *Red Cliffs Desert Reserve Public Use Plan*. St. George: Author.

Western Regional Climate Center. 2014. "Cooperative Climatological Data Summaries." Accessed March 24. <http://www.wrcc.dri.edu/climatedata/climsum/html>.

WildEarth Guardians, and Daniel Beck. 2010. "Petitions to List the Utah Population of the Gila Monster Under the U.S. Endangered Species Act." Petition submitted to U.S. Secretary of Interior through the U.S Fish and Wildlife Service.

Wildflower Center. 2015. "Rhus trilobata." Accessed February. [http://www.wildflower.org/plants/result.php?id\\_plant=RHTR](http://www.wildflower.org/plants/result.php?id_plant=RHTR).

Woodbury, Angus M., and Ross Hardy. 1948. "Studies of the Desert Tortoise, Gopherus Agassizii." *Ecological Monographs* 18, 2:145-200.

