

Literature Cited

Southwestern Willow Flycatcher 12-month Petition to Delist Finding and 5-Year Review

2017

Note: There are various spelling errors (e.g. PRC should be BRC) and inconsistencies in citation convention in the 2017 Southwestern Willow Flycatcher 12-month finding/5-Year Review. Some errors are because source material citations were incorrect and others were not found when compiling the document. However, this citation list includes all of the supporting documentation.

Ackerman F. and E.A. Stanton. 2011. The last drop: climate change and the southwest water crisis. Stockholm Environment Institute – U.S. Center. Somerville, MA.

Aldrich, J.W. 1951. A Review of the Races of the Traill's Flycatcher. The Wilson Bulletin, Vol. 63, No. 3.

Allendorf, F. W., and R. F. Leary. 1986. Heterozygosity and fitness in natural populations of animals. Pp. 57-76. In: Conservation 22 USDA Forest Service Gen. Tech. Rep. RMRS-GTR-60. 2000 Biology (M. E. Soulé, Ed.). Sunderland, Massachusetts, Sinauer Associates, Inc.

American Ornithological Union (AOU). 1957. Checklist of North American Birds, 5th Edition. The Lord Baltimore Press, Inc., Baltimore, Maryland.

_____. 1983. Checklist of North American Birds, 6th edition. Allen Press, Lawrence, Kansas. 877 pp.

_____. 1998. Checklist of North American Birds, 7th Edition. Allen Press, Lawrence, Kansas.

Animal Plant Health Inspection Services (APHIS). 2009. Letter from Dr. Kenneth Seeley to Mr. Bryan Arroyo seeking technical assistance for a revised biological assessment for tamarisk beetle proposal. May 15, 2009, Animal Plant Health Inspection Services, U.S. Department of Agriculture, Environmental and Risk Analysis Services Riverdale, MD.

_____. 2010a. Biological assessment for APHIS PPQ permitting and program for redistribution in 13 States of *Diorhabda* species for the biological control of salt cedar (*Tamarix* spp.). Animal Plant Health Inspection Services, U.S. Department of Agriculture, Environmental and Risk Analysis Services, Riverdale, MD.

_____. 2010b. Memo to PPQ State Plant Health Directors from Alan Dowdy, Director of Invertebrate and Biological Control Programs announcing moratorium for biological control of salt cedar using tamarisk leaf beetle. Animal Plant Health Inspection Services, U.S. Department of Agriculture, Plant Protection and Quarantine, Emergency and Domestic Programs, Riverdale, MD.

Arizona Department of Water Resources (ADWR). 2016. Active Management Areas (AMAs) & Irrigation Non-expansion Areas (INAs). Arizona Department of Water Resources, Phoenix, AZ website, accessed 12/6/2016,

<http://www.azwater.gov/AzDWR/WaterManagement/AMAs/default.htm>

Army Corps of Engineers (ACOE). 2011. Review Plan Tres Rios Environmental Restoration Project, Phoenix, Arizona, September, 13, 2011, U.S. Army Corps of Engineers, Los Angeles District, Los Angeles, CA.

Association of California Water Agencies (ACWA). 2014. Sustainable Groundwater Management Act of 2014: Fact Sheet. Prepared by the Association of California Water Agencies (www. Acwa.com), October, 2014.

Bailey A.M. and R.J. Niedrach. 1965. Birds of Colorado. Denver Museum of Natural History, Denver, CO.

Bartolino J.R. and W.L. Cunningham. 2004. Groundwater Depletion Across the Nation. USGS Fact Sheet 1003-03. U.S. Geological Survey, Department of Interior, Reston VA.

Behle, W.H. 1985. Utah Birds: Geographic Distribution and Systematics. Occasional Publication No. 5. Utah Museum of Natural History, University of Utah, Salt Lake City, UT.

Behle, W.H. and H.G. Higgins. 1958. The birds of Glen Canyon. pp. 107-133 in Ecological Studies of Flora and Fauna in Glen Canyon (A.M. Woodbury, ed.) Univ. Utah Anthropol. Pap.40 (Glen Canyon Series No. 7).

Belsky, A.J., A. Matzke, and S. Uselman. 1999. Survey of livestock influences on stream and riparian ecosystems in the western United States. Journal of Soil and Water Conservation, Vol. 54.

Billington, D.P., D.C. Jackson, and M.V. Melosi, 2005. The History of Large Federal Dams: Planning, Design, and Construction in the Era of Big Dams. U.S Bureau of Reclamation, Denver, CO.

BioResource Consultants, Inc. (BRC). 2013. Santa Paula Wastewater Recycling Facility, Least Bells Vireo and Southwestern Willow Flycatcher Monitoring Program, 2012 Annual Progress Report. Prepared for City of San Paula, Department of Public Works, San Paula, CA. Bio Resource Consultants, Inc., Ojai, CA.

_____. 2015. City of San Paula Wastewater Treatment Plant Final Vegetation Monitoring Report. CDFW Streambed Alteration Agreement No. 1600-2006-014-R5, USFWS Biological Opinion No. PAS 2260-3483-5550. Prepared for City of San Paula, Department of Public Works, San Paula, CA. Bio Resource Consultants, Inc., Ojai, CA.

Blakesley, J.A. and K.P. Reese. 1988. Avian use of campground and noncampground sites in riparian zones. J. Wildl. Manage. 52 (3):399-402.

- Bureau of Land Management (BLM). 2016. Biological Assessment for Hazardous Fuels Reduction in the Gila District. U.S. Department of Interior, Bureau of Land Management, Gila District, Tucson, AZ.
- Bristol, M. 2015. Riparian Habitat Restoration for Southwestern Willow Flycatchers and Conservation Priority Bird Species in Southern Nevada. Quarterly Report for 1 October to 12 December, 2015. Great Basin Institute, NV.
- Brodhead, K.M., S.H. Stoleson, and D.M. Finch. 2007. Southwestern willow flycatcher (*Empidonax traillii extimus*) in a grazed landscape: Factors influencing brood parasitism. *The Auk* 124(4).
- Brown. 1991. Status of Nesting Willow Flycatchers along the Colorado River from Glen Canyon Dam to Cardenas Creek, Arizona. Endangered Species Report No. 20 to the U.S. Fish and Wildlife Service, Phoenix, Arizona. 34 pp.
- Browning, M.R. 1993. Comments on the taxonomy of *Empidonax traillii* (willow flycatcher). *Western Birds* 24:241-257.
- Busch, D.E. 1995. Effects of Fire on Southwestern Riparian Plant Community Structure. *The Southwestern Naturalist*. Vol. 40 (3).
- Busch, J.D., M.P. Miller, E.H. Paxton, and M.K. Sogge. 2000. Genetic variation in the endangered southwestern willow flycatcher. *The Auk* 117(3):586-595.
- Chew, M.K. 2009. The Monsterring of Tamarisk: How Scientists made a Plant into a Problem. *Journal of the History of Biology*, Published Online, 13, March, 2009.
- Christensen, J.H., B. Hewitson, A. Busuioc, A. Chen, X. Gao, I. Held, R. Jones, R.K. Kolli, W.-T. Kwon, R. Laprise, V. Magaña Rueda, L. Mearns, C.G. Menéndez, J. Räisänen, A. Rinke, A. Sarr and P. Whetton, 2007: Regional Climate Projections. In: *Climate Change 2007: The Physical Science Basis. Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Solomon, S., D. Qin, M. Manning, Z. Chen, M. Marquis, K.B. Averyt, M. Tignor and H.L. Miller (eds.)]. Cambridge University Press, Cambridge, United Kingdom and New York, NY, USA.
- City of Carlsbad. 2004. Implementing Agreement by and among the City of Carlsbad, the California Department of Fish and Game, and the U.S. Fish and Wildlife Service to Establish the Habitat management Plan for the conservation of Threatened, Endangered and Other Species in the City of Carlsbad, California. 61 pp.
- Color Country Resources Conservation and Development Council. 2008. Programmatic Safe Harbor Agreement for the Southwestern Willow Flycatcher in Washington and Kane Counties, Utah. Color Country Resource Conservation and Development Council, Inc.

- Cooper, S. 2014. Electronic message to G. Beatty re: Trespass cattle on Virgin River, July 26, 2014, U.S. Fish and Wildlife Service, Las Vegas Nevada Field Office, Las Vegas, NV.
- Dean R. 2016. Senate Adopts Amendments Supported by Senator John McCain to Bolster Water Conservation in Arizona. Rachael Dean Press Release for Senator John McCain, April 26, 2016, Washington D.C.
- Derryberry, E.P., G.E. Derryberry, J.M. Maley, and R.T. Brumfield. 2014. HZAR: hybrid zone analysis using an R software package. *Molecular Ecology Resources* (2014) 14, 652-663.
- Drost, C. A, E.H. Paxton, M. K. Sogge, and M. J. Whitfield. 2003. Food habits of the southwestern willow flycatcher during the nesting season. *Studies in Avian Biology* No. 26:96-103.
- Drus G.M., T.L. Dudley, M.L. Brooks, and J.R. Matchett. 2012. The effect of leaf beetle herbivory on fire behavior of tamarisk (*Tamarix ramosissima* Lebed.). *International Journal of Wildland Fire*, CSIRP Publishing, <http://dx.doi.org/10.1071/WF10089>.
- Dudek and Associates. 2003. Western Riverside County Final Multiple Species Habitat Conservation Plan, Implementing Agreement. Prepared for the County of Riverside Transportation and Land Management Agency. Approved June 17, 2003.
- Durst, S. 2014. Electronic message to G. Beatty re: WIFL rangewide report, March 12, 2014, U.S. Fish and Wildlife Service, Albuquerque Field Office, Albuquerque, NM.
- Durst, S.L., M.K. Sogge, H.C. English, H.A. Walker, B.E. Kus, and S.J. Sferra. 2008. Southwestern willow flycatcher breeding site and territory summary – 2007. U.S. Geological Survey, Colorado Plateau Research Station, Flagstaff, AZ.
- Ellis, L.A., Weddle, D.M., Stump, S.D., English, H.C., and Graber, A.E., 2008, Southwestern willow flycatcher final survey and monitoring report: Arizona Game and Fish Department, Research Technical Guidance Bulletin #10, Phoenix, Arizona, USA.
- ERO Resources Corp. and Salt River Project (ERO and SRP). 2008. Habitat Conservation Plan: Horseshoe and Bartlett Reservoirs. Submitted pursuant to Section 10(A)(1)(B) of the Endangered Species Act to the U.S. Fish and Wildlife Service. ERO Resources Corporation, Denver, CO and Salt River Project, Phoenix, AZ.
- ERO Resources Corp. 2012. San Luis Valley Regional Habitat Conservation Plan. Submitted pursuant to Section 10(A)(1)(B) of the Endangered Species Act to the U.S. Fish and Wildlife Service. Prepared for Rio Grande Water Conservation District, Alamosa, CO. ERO Resources Corporation, Denver, CO.
- Evans, C. 2015. Electronic message to G. Beatty re: Kearny Fire, June 26, 2015, U.S. Bureau of Reclamation, Phoenix Area Office, Phoenix, AZ.

Fernando, S.P., D.E. Irwin, and S.S. Seneviratne. 2016. Phenotypic and genetic analysis support distinct species status of the Red-backed Woodpecker of Sri Lanka. *The Auk*, 133(3):497-511.

Finch, D.M. and S.H. Stoleson, eds. 2000. Status, ecology, and conservation of the southwestern willow flycatcher. Gen. Tech. Rep. RMRS-GTR-60. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 131 p.

Finch, D.M., J.F. Kelly, and J-L.E. Cartron. 2000. Migration and winter ecology. Chapter 7 in Status, Ecology, and Conservation of the Southwestern Willow Flycatcher. D.M. Finch and S.H. Stoleson (eds). U.S. Forest Service Gen Tech. Rep. RMRS-GTR-60. 131 pp.

Finch, C., W.E. Pine III, and K.E. Limburg. 2014. Do Hydropeaking Flows Alter Juvenile Fish Growth Rates? A Test With Juvenile Humpback Chub In The Colorado River. *River Research and Applications*, 31: 156-164.

Fitzhugh, T.H. and R.M. Vogel. 2010. The Impacts Of Dams On Flood Flows In The United States. *River Research And Applications* (2010). Wiley InterScience DOI: 10.1002/rra.1417

Fleischner. T.L. 1994. Ecological Costs of Livestock Grazing in Western North America. *Conservation Biology*, Vol. 8, No. 3, pp. 629-644.

Fort Huachuca. 2013. Programmatic Biological Assessment for Ongoing and Future Military Operations and Activities at Fort Huachuca, Arizona, Environmental and Natural Resources Division, Directorate of Public Works, U.S. Army Garrison Fort Huachuca, AZ.

Freeport McMoran. 2012. Lower Pinal Creek Riparian Management and Monitoring Plan. Freeport McMoran Corporation, Phoenix, AZ.

Friggens, M.M., D. M. Finch, K.E. Bagne, S.J. Coe, and D.L. Hawksworth. 2013. Vulnerability of Species to Climate Change in the Southwest: Terrestrial Species of the Middle Rio Grande. Gen. Tech. Rep. RMRS-GTR-306. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station, 191 p.

Garfin, G., G. Franco, H. Blanco, A. Comrie, P. Gonzalez, T. Piechota, R. Smyth, and R. Waskom, 2014: Ch. 20: Southwest. *Climate Change Impacts in the United States: The Third National Climate Assessment*, J. M. Melillo, Terese (T.C.) Richmond, and G. W. Yohe, Eds., U.S. Global Change Research Program, 462-486. doi:10.7930/J08G8HMN.

Gelt, J. 2008. Saltcedar found to be friend, not foe of western waterways. *Arizona Water Resource*, University of Arizona, Vol. 17, 2, Nov.-Dec.

Gila Watershed Partnership (GWP). 2015. Monitoring and reporting of the upper Gila River Restoration Project. December 31, 2015, report to the U.S. Army Corps of Engineers, Phoenix, AZ.

Goguen and Matthews. 2000. Local Gradients of Cowbird Abundance and Parasitism Relative to Livestock Grazing in a Western Landscape. *Conservation Biology*, Vol. 14, No. 6, pp. 1862-1869.

Gori, D., M.S. Cooper, E.S. Soles, M. Stone, R. Morrison, T.F. Turner, D.L. Propst, G. Garfin, M. Switanek, H. Chang, S. Bassett, J. Haney, D. Lyons, M. Horner, C.N. Dahm, J.K. Frey, K. Kindscher, H.A. Walker, and M.T. Bogan. 2014. Gila River Flow Needs Assessment. A report by The Nature Conservancy.

Graf, W. L., 1991. Science, public policy, and western American rivers. *Transactions of the Institute of British Geographers, New Series*, Vol. 17, No. 1. (1992), pp. 5-19.

Graf, W.L., D.T. Patten, and B.T. Turner. 1984. Issues Concerning Phreatophyte Clearing, Revegetation, and Water Savings Along the Gila River, Arizona. A report submitted in partial fulfillment of U.S. Army Corps of Engineers Contract DACW09-83-M-2683, Arizona State University, Tempe, AZ.

Graf, W.L., J. Stromberg, and B. Valentine. 2002. Rivers, dams, and willow flycatchers: a summary of their science and policy connections. *Geomorphology* 47 (2002) 169–188.

Great Basin Institute (GBI). 2013. Nevada Conservation Corps Restoration Project Report, USFWS: Virgin River, Southwestern Willow Flycatcher Habitat Restoration.

Haig, S.M., E.A. Beever, S.M. Chambers, H.M. Draheim, B.D. Dugger, S. Dunham, E. Elliott-Smith, J.B. Fontaine, C.D. Kesler, B.J. Knaus, I. F. Lopes, P. Loschl, T.D. Mullins, and L. M. Sheffield. 2006. Taxonomic Considerations in Listing Subspecies under the U.S. Endangered Species Act. *USGS Staff Published Research*. <http://digitalcommons.unl.edu/usgsstaffpub/671>

Harris, J.H. 1991. Effects of brood parasitism by brown-headed cowbirds on willow flycatcher nesting success along the Kern River, California. *Western Birds* 22:13-26.

Harris, J.H., S.D. Sanders, and M.A. Flett. 1987. The status and distribution of the willow flycatcher (*Empidonax traillii*) in the Sierra Nevada. California Department of Fish and Game, Wildlife Management Branch Administrative Report 87-2.

Harvey, L.A. and L.J. Rawinski. 2015. Southwestern willow flycatcher (*Empidonax traillii extimus*), Survey and Status Report. San Luis Valley BLM, San Luis Valley, CO.

Hatten, J.R., 2016, A satellite model of Southwestern Willow Flycatcher (*Empidonax traillii extimus*) breeding habitat and a simulation of potential effects of tamarisk leaf beetles (*Diorhabda* spp.), Southwestern United States: U.S. Geological Survey Open-File Report 2016–1120, 88 p., <http://dx.doi.org/10.3133/ofr20161120>.

Hickey J., W. Fields, A. Hautzinger, S. Sesnie, P. Shafroth, and D. Gilbert. 2016. Managing Water and Riparian Habitats on the Bill Williams River with Scientific Benefit for Other Desert River Systems. U.S. Army Corps of Engineers, Institute for Water Resources, Davis, CA.

Hoerling, M and J. Eischeid. 2007. Past peak water in the Southwest. *Southwest Hydrol.* Vol. 6, no. 1, Jan-Feb 2007.

Holly, B.E. 2011. Environmental Factors Correlated with Changes in Riparian Plant Composition along the Santa Clara River Floodplain, California. A Master's Project Presented to the DEL MEM Faculty of the Nicholas School of the Environment, Duke University, NC.

Holt, D.W., M.E. Mull, M.T. Seidensticker, and M.D. Larson. 2016 Sex Differences in Long-eared Owl Plumage Coloration. *Journal of Raptor Research*, 50 (1): 60-69.

Howell, S.N.G. and S. Webb. 1995. A guide to the birds of Mexico and northern Central America. Oxford University Press.

Hubbard, J.P. 1987. The status of the willow flycatcher in New Mexico. Endangered Species Program, New Mexico Department of Game and Fish, Sante Fe, New Mexico. 29 pp.

Hubbard, J.P. 1999. A Critique of Wang Yong and Finch's Field-Identifications of Willow Flycatcher Subspecies in New Mexico (with Response). *The Wilson Bulletin*, Vol. 111, No. 4, pp. 585-592.

Intergovernmental Panel on Climate Change (IPCC). 2014. Climate Change 2014: Synthesis Report. Contribution of Working Groups I, II and III to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change [Core Writing Team, R.K. Pachauri and L.A. Meyer (eds.)]. IPCC, Geneva, Switzerland, 151 pp.

Johnson, M. and C. O'Brien. 1998. Southwestern Willow Flycatcher and Western Yellow-billed Cuckoo Surveys along the San Juan River, Utah 1998 (Four Corners Bridge – Mexican Hat). USGS Biological Resources Division, Forest and Rangeland Ecosystem Science Center, Colorado Plateau Field Station, Flagstaff, AZ.

Jones, A. 2000. Effects of Cattle Grazing on North American Arid Ecosystems: A Quantitative Review. *Western North America Naturalist* 60(2), pp. 155-164.

Kearney, T.H., R.H. Peebles, J.H. Howell, E. McClintock, and collaborators. 1960. *Arizona Flora*. University of California Press, Berkeley, CA.

Kenwood, K.E. and E.H. Paxton. 2001. Survivorship and movements of southwestern willow flycatchers at Roosevelt Lake, Arizona – 2001. U.S. Geological Survey Report to the U.S. Bureau of Reclamation, Phoenix, AZ.

Knight R. L. and D.N. Cole. 1991. Effects of recreational activity on wildlife in wildlands. *Transactions of the North American Wildlife and Natural Resource Conference* 56:238-247.

Konikow, L.F., 2013, Groundwater depletion in the United States (1900–2008): U.S. Geological Survey Scientific Investigations Report 2013–5079, 63 p., <http://pubs.usgs.gov/sir/2013/5079>.

- Koronkiewicz, T., M.K. Sogge, and C.A. Drost. 1998. A preliminary survey for wintering willow flycatchers in Costa Rica. U.S. Geological Survey Forest and Rangeland Ecosystem Science Center, Colorado Plateau Field Station, Northern Arizona University, Flagstaff, AZ.
- Koronkiewicz, T.J., M.A. McLeod, B.T. Brown, and S.W. Carothers. 2004. Southwestern Willow Flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2003. Annual report submitted to U.S. Bureau of Reclamation, Boulder City, NV, by SWCA Environmental Consultants, Flagstaff, AZ.
- Krueper, D., J. Bart, and T.D. Rich. 2003. Response of Vegetation and Breeding Birds to the Removal of Cattle on the San Pedro River, Arizona. *Conservation Biology*, Vol. 17, No. 2.
- Kus, B.E., S.L. Howell, and D. A. Wood. 2017. Female-biased sex ration, polygyny, and persistence in the endangered Southwestern Willow Flycatcher (*Empidonax traillii extimus*). *The Condor*, 119(1):17-25.
- Leake, S.A., A.D. Konieczki, and J.A.H. Ross. 2000. Groundwater Resources for the Future: Desert Basins of the Southwest. USGS Fact Sheet 086-00, August 2000. US Geological Survey, US Department of the Interior, Washington, DC.
- Los Angeles Department of Water and Power (LADWP). 2005. Conservation Strategy for the Southwestern Willow Flycatcher on City of Los Angeles Department of Water and Power Lands in the Owens Management Unit. Bishop, CA. 12 pp.
- LADWP and Ecosystem Science. 2010. Owens Valley Land Management Plan. Prepared by Los Angeles Department of Water and Power and Ecosystems Science, April 28, 2010. 426 pp.
- Lower Colorado River Multi-Species Conservation Program (LCR MSCP). 2004. Lower Colorado River Multi-Species Conservation Program, Volume II: Habitat Conservation Plan. Final. December 17. (J&S 00450.00.) Sacramento, CA.
- Mackum, P. and S. Wilson. 2011. Population Distribution and Change: 2000 to 2010. 2010 Census Briefs, Issued March, 2011. U.S. Department of Commerce Economics and Statistics Administration, U.S. Census Bureau, Washington, D.C.
- Mahoney E. L. 2015. Cause of Kearney fire determined suspicious. *Arizona Republic*, June 25, 2015, Phoenix, AZ.
- Marshall, R.M. and S. Stoleson. 2000. Chapter 3. Threats. *in* Finch, D.M. and S.H. Stoleson, eds. 2000. Status, ecology, and conservation of the southwestern willow flycatcher. Gen. Tech. Rep. RMRS-GTR-60. Ogden, UT: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 131 p.

Marshall, R.M., M.D. Robles, D.R. Majka, J.A. Haney. 2010. Sustainable Water Management in the Southwestern United States: Reality or Rhetoric? PLoS ONE 5(7): e11687. doi:10.1371/journal.pone.0011687

Mayr E. 1963. *Animal Species and Evolution*. The Belknap Press of Harvard University Press, Cambridge, Massachusetts.

Mayr, E. 1982. Of What Use Are Subspecies? *The Auk*, Vol. 99, p. 593-595.

Mayr, E. and L.L. Short, Jr. 1970. *Species taxa of North American birds*. Nuttall Ornithological Club, Cambridge, Massachusetts.

McCabe, R.A. 1991. *The Little Green Bird: Ecology of the Willow Flycatcher*. Madison, Wisconsin: Rusty Rock Press.

McCormack, J.E. and J.M. Maley. 2015 Interpreting negative results with taxonomic and conservation implications: Another look at the distinctness of coastal California Gnatcatchers. *The Auk: Ornithological Advances*, Vol. 132, 2015, pp. 380-388.

McKernan R.L. and G. Braden. 1999. Status, Distribution, and Habitat Affinities of the Southwestern Willow Flycatcher along the Lower Colorado River, Year 3 – 1998. Report submitted to the U.S. Bureau of Reclamation, Boulder City NV, prepared by the San Bernardino County Museum, Redlands, CA.

McLeod, M.A., T.J. Koronkiewicz, B.T. Brown, W.J. Langeberg, and S.W. Carothers. 2008. Southwestern willow flycatcher surveys, demography, and ecology along the lower Colorado River and tributaries, 2003–2007. Five-year summary report submitted to U.S. Bureau of Reclamation, Boulder City, NV by SWCA Environmental Consultants, Flagstaff, AZ. 206 pp.

McLeod, M. and T.J. Kornokiewicz. 2009. Southwestern Willow Flycatcher Surveys, Demography, and Ecology along the Lower Colorado River and Tributaries, 2009. Annual report submitted to Bureau of Reclamation, Boulder City, NV, by SWCA Environmental Consultants, Flagstaff, AZ. 165 pp.

McMorran, R. 2016. Electronic message to G. Beatty re: Shot Hole Borer beetle in Southern CA and waste water effluent on Santa Clara River, September 20, 2106, U.S. Fish and Wildlife Service, Ventura Field Office, Las Vegas, NV.

Megdal, S., J. Nadeau, and T. Tom. 2011. The Forgotten Sector: Arizona Water Law and the Environment. *Arizona Journal of Environmental Law and Policy*, Vol. 1. No.2.

Melanson, T. 2012. *The Art of Moist Soil Management*. Habitat! Vol. 18. Friends of the Bosque del Apache National Wildlife Refuge, San Antonio, NM.

Monson G. and A.R. Phillips. 1981. *Annotated Checklist of the Birds of Arizona*. University of Arizona Press, Tucson, AZ.

Moore, D. 2006. Riparian Obligate Nesting Success as Related to Cowbird Abundance and Vegetation Characteristics Along the Middle Rio Grande, New Mexico. U.S. Department of the Interior, Bureau of Reclamation, Ecological Planning and Assessment, Denver, CO.

Moore, D. and D. Ahlers. 2012. 2011 Southwestern willow flycatcher study results: selected sites along the Rio Grande from Velarde to Elephant Butte Reservoir, New Mexico, U.S. Bureau of Reclamation, Fisheries and Wildlife Resources, Denver, CO.

Nagler, P.L., E.P. Glenn, K. Didan, J. Osterberg, F. Jordan, and J. Cunningham. 2008. Wide-area estimates of stand structure and water use of *Tamarix* spp. on the lower Colorado River: Implications for restoration and water management projects. Restoration Ecology Vol. 16, No. 1.

Nagler, P.L., E.P. Glenn, C.S. Jarnevich, and P.B. Shafroth. 2009. Chapter 2: Distribution and abundance of saltcedar and Russian olive in the western United States. Pages 7-32 in P.B. Shafroth, C.A. Brown, and D.M. Merritt, editors, Saltcedar and Russian olive Control and Demonstration Act science assessment. U.S. Geological Survey, Scientific Investigations Report 2009-5247.

National Research Council (NRC). 2004. Improving The Use Of The “Best Scientific Information Available” Standard In Fisheries Management. Committee on Defining Best Scientific Information Available for Fisheries Management, Ocean Studies Board, Division on Earth and Life Sciences, National Research Council of the National Academies. The National Academies Press, Washington, D.C.

National Resource Conservation Services (NRCS). 2016. Southwestern Willow Flycatcher 2015 Progress Report. www.usda.gov/wildlife, Natural Resource Conservation Service, U.S. Department of Agriculture, Washington, D.C.

New Mexico Interstate Stream Commission. 2013. Gila Settlement Questions and Answers. New Mexico Interstate Stream Commission, Office of the State Engineer, Santa Fe, NM.

Oberholser, H.C. 1974. The bird life of Texas. University of Texas Press. Austin, Texas. 1069 pp.

O’Brien, S.J. and E. Mayr. 1991. Bureaucratic Mischief: Recognizing Endangered Species and Subspecies. Science. New Series. Vol. 251. No. 49998. (March 8, 1991). Pp. 1187-1888.

Oyler-McCance, S.J, K. P. Oh, K. M. Langin, and C. L. Aldridge. 2016. A field ornithologist’s guide to genomics: Practical considerations for ecology and conservation. The Auk: Ornithological Advances. Volume 133, 2016, pp. 626-648.

Pacific Legal Foundation (PLF), 2015. Petition to Remove the “Southwestern” Willow Flycatcher (*Empidonax traillii* “extimus”) (SWWF) From the List of Endangered Species Under the United States Endangered Species Act Due to Significant New Data that Demonstrates

Original Data Error. Submitted to the U.S. Fish and Wildlife Service and Department of Interior on August 19, 2015.

Parmesan, C. and H. Galbraith, 2004. Observed impacts of global climate change in the U.S. Pew Center on Global Climate Change, Arlington, VA.

Paxton, E.H. 2000. Molecular genetic structuring and demographic history of the Willow Flycatcher. MS thesis, Northern Arizona University, Flagstaff, AZ 43 p.

Paxton, E.H., C. F. Causey, T. J. Koronkiewicz, M. K. Sogge, M. J. Johnson, M. A. McCloud, P. Unitt, and M. J. Whitfield. 2005. Assessing variation of plumage coloration within the Willow Flycatcher: a preliminary analysis. U.S. Geological Survey Report.

Paxton, E.H., Sogge, M.K., Durst, S.L., Theimer, T.C., and Hatten, J.R., 2007a. The ecology of the Southwestern Willow Flycatcher in central Arizona—a 10-year synthesis report: U.S. Geological Survey Open-File Report 2007-1381, 143 p.

Paxton, E.H., Sogge, M.K., Theimer, T.C., Girard, J., and Keim, P. 2007b. Using molecular genetic markers to resolve a subspecies boundary: the northern boundary of the southwestern willow flycatcher in the four corner states: U.S. Geological Survey Open-File Report 2007-117, 20 p.

Paxton, E., K. Day, T Olson, P. Wheeler, M. MacLeod, T. Koronkiewicz, and S. O'Meara. 2010. Tamarisk biocontrol impacts occupied breeding habitat of the endangered southwestern willow flycatcher. Poster presentation at Tamarisk Coalition annual conference. Reno, NV.

Paxton, E.H., T.C. Theimer, M.K. Sogge. 2011. Tamarisk biocontrol using tamarisk beetles: Potential consequences for riparian birds in the Southwestern United States. *The Condor* 113(2):255-265.

Pelligrini, A. 2016. Electronic message to G. Beatty re: LCR MSCP 2016 Southwestern Willow Flycatcher Field Season Update, August 14, 2106, SWCA, Inc., Flagstaff, AZ.

Perrone D. and G. Hornberger. 2007. Trends in Irrigated Agriculture in the Southwest and Southeast United States. Vanderbilt Institute for Energy and Environment, Vanderbilt University, Nashville, TN.

Perry, L.G., D.C. Andersen, L.V. Reynolds, S.M. Nelson, and P. B. Shafroth. 2011. Vulnerability of riparian ecosystems to elevated CO₂ and climate change in arid and semiarid western North America. *Global Change Biology*, doi: 10.1111/j.1365-2486.2011.02588.x

Phillips, A.R. 1948. Geographic variation in *Empidonax traillii*. *Auk* 65:507-514.

Phillips, A.R., J. Marshall, and G. Monson. 1964. *The Birds of Arizona*. University of Arizona Press, Tucson, Arizona. 212 pp.

Phillips, F.M., Hall, G.E., Black, M.E., 2011. Reining in the Rio Grande: People, Land, and Water. University of New Mexico Press, Albuquerque, NM.

Poff, L. J. D. Allan, M.B. Bain, J.R. Karr, K.L. Prestegard, B.D. Richter, R.E. Sparks, J. C. Stromberg. 1997. The Natural Flow Regime: A paradigm for river conservation and restoration. *BioScience*, Vol. 47, No. 11.

*PRC 2015 – Please see BioResource Consultants (BRC) 2015

Ralston, J., D. A. Ermacor, and J.J. Kirchman. 2015. A new wood warbler hybrid (*Oreothlypis celata* x *O. ruficapilla*) from the Adirondack mountains, New York. *The Wilson Journal of Ornithology* 127(1):21–28, 2015.

Remsen, J.V. 2010. Subspecies as a meaningful taxonomic rank in avian classification. *Ornithological Monographs*, Volume (2010), No. 67, 62–78.

Ridgely, R.S. and J. Gwynne. 1989. A guide to the birds of Panama with Costa Rica, Nicaragua, and Honduras. Princeton Press, Princeton, NJ.

Riffell, S. K., K. J. Gutzwiller, and S.H. Anderson. 1996. Does repeated human intrusion cause cumulative declines in avian richness and abundance? *Ecological Applications* 6: 492-505.

Russo, T., U. Lall, H. Wen, and M. Williams. 2014. Assessment of trends in groundwater levels across the United States. White Paper. Columbia Water Center, Earth Institute, Columbia University, New York, NY.

Salt River Project (SRP). 2002. Roosevelt Habitat Conservation Plan, Gila and Maricopa Counties, Arizona. Submitted to the U.S. Fish and Wildlife Service. Salt River Project, Phoenix, AZ.

_____. 2009. Horseshoe-Bartlett Habitat Conservation Plan Annual Report. Prepared for the U.S. Fish and Wildlife Service. Salt River Project, Phoenix, AZ.

_____. 2011. Roosevelt Habitat Conservation Plan Annual Report. Prepared for the U.S. Fish and Wildlife Service. Salt River Project, Phoenix, AZ.

_____. 2013. Roosevelt Habitat Conservation Plan Annual Report. Prepared for the U.S. Fish and Wildlife Service. Salt River Project, Phoenix, AZ.

Sanders, S.D. and M.A. Flett. 1989. Montane riparian habitat and willow flycatchers: threats to sensitive environment and species. U.S. Department of Agriculture, Forest Service Gen. Tech. Rep. PSW-110.

Schlorff, R.W. 1990. Status Review of the willow flycatcher (*Empidonax traillii*) in California. Report to the California Department of Fish Game, Department Candidate Species Status Report 90-1. 23 pp.

- Seager R., M. Ting, I. Held, Y.Kushnir, J. Lu, G. Vecchi, H. Huang, N. Harnik, A. Leetmaa, N.Lau, C. Li, J. Velez, and N. Naik. 2007. Model Projections of an Imminent Transition to a More Arid Climate in Southwestern North America. *Science* 316, 1181-1184.
- Sedgwick, J.A. 2000. Willow Flycatcher (*Empidonax traillii*). In *The Birds of North America*, No. 533 (A. Poole and F. Gill, eds.). The Birds of North America, Inc. Philadelphia, PA. 31 pp.
- Sedgwick, J. A. 2001. Geographic variation in the song of willow flycatchers: differentiation between *Empidonax traillii adastus* and *E. t. extimus*. *Auk* 118:366–379.
- _____. 2004. Site fidelity, territory fidelity, and natal philopatry in willow flycatchers (*Empidonax traillii*). *The Auk*, 121(4):1103-1121.
- Sedgwick, J.A. and F.L. Knopf. 1992. Describing Willow Flycatcher Habitats: Scale Perspectives and Gender Differences. *The Condor*, 94:720-733.
- Seutin G. and J.P. Simon. 1988. Genetic Variation in Sympatric Willow Flycatchers (*Empidonax Traillii*) and Alder Flycatchers (*E. Alnorum*). *The Auk*, Vol. 105, No. 2 (Apr., 1988), pp. 235-243.
- Sferra, S.J., T.E. Corman, C.E. Paradzick, J.W. Rourke, J.A. Spencer, and M.W. Sumner. 1997. Arizona Partners in Flight Southwestern Willow Flycatcher Survey: 1993-1996 Summary Report. Nongame Technical Report 113, Nongame and Endangered Wildlife Program, Arizona Game and Fish Department, Phoenix, AZ.
- Shafroth, P.B., J.R. Cleverly, T.L. Dudley, J.P Taylor, C. Van Riper III, E.P. Weeks, and J.N. Stuart. 2005. Control of Tamarix in the Western United States: Implications for Water Salvage, Wildlife Use, and Riparian Restoration. *Environmental Management* Vol. 35, No. 1, pp. 231-246.
- Shafroth, P.B., V.B. Beauchamp, M.K. Briggs, K. Lair, M.L. Scott, and A.A. Sher. 2008. Planning riparian restoration in the context of tamarix control in western North America. *Restoration Ecology*, Vol. 16, No. 1, pp. 97–112.
- Shafroth, P.B., C.A. Brown, and D.M. Merritt (eds.). 2010. Saltcedar and Russian Olive control demonstration act science assessment: U.S. Geological Survey Scientific Investigations Report 2009-5247. 143 p.
- Shook R. 2016. Southwestern willow flycatcher (*Empidonax traillii extimus*) survey results, U Bar Ranch, The Nature Conservancy, U.S. Forest Service, Cliff/Gila Valley, New Mexico – 2015.
- Smith, A.B., A.A. Woodward, P.E.T. Dockens, J.S. Martin, and T. D. McCarthy. 2003. Southwestern willow flycatcher 2002 survey and nest monitoring report. Nongame and

Endangered Wildlife Program Technical Report #210. Arizona Game and Fish Department, Phoenix, AZ.

Smith, D.M. and D.M. Finch. 2016. Riparian trees and aridland streams of the southwestern United States: An assessment of the past, present, and future. *Journal of Arid Environments* 135 (2016) 120-131.

Smith, D.M., D. M. Finch, C. Gunning, R. Jemison, and J. K. Kelly. 2009. Post-wildfire recovery of riparian vegetation during a period of water scarcity in the Southwestern USA. *Fire Ecology Special Issue, Vol 5 (1)*.

Sogge, M.K., R.M. Marshall, S.J. Sferra and T.J. Tibbitts. 1997a. A southwestern willow flycatcher natural history summary and survey protocol. National Park Service Technical Report NPS/NAUCPRS/NRTR-97/12. 37 pp.

Sogge, M.K., T.J. Tibbitts, and J.R. Petterson. 1997b. Status and breeding ecology of the southwestern willow flycatcher in the Grand Canyon. *Western Birds* 28.

Sogge, M.K., E.H. Paxton, and A.A. Tudor. 2005. Saltcedar and southwestern willow flycatchers: lessons from long-term studies in central Arizona. As published on CD ROM in: Aguirre-Bravo, Celedonio, and others. Eds. 2005. *Monitoring science and technology symposium: unifying knowledge for sustainability in the Western Hemisphere*. 2004 September 20-24; Denver, CO. Proceedings RMRS-P037CD. Fort Collins, CO: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station.

Sogge, M.K., D. Ahlers, and S.J. Sferra. 2010. A natural history summary and survey protocol for the southwestern willow flycatcher. U.S. Geological Survey Techniques and Methods 2A-10.

Southwestern Willow Flycatcher Technical Recovery Team. 1998. Letter to Regional Director about proposal to release tamarisk leaf beetles in southwestern United States, October 20, 1998, U.S. Fish and Wildlife Service, Region 2, Albuquerque, NM.

Spencer, J.A., S.J. Sferra, T.E. Corman, J.W. Rourke, and M.W. Sumner. 1996. Arizona Partners in Flight 1995 Southwestern Willow Flycatcher Survey. Technical Report 97. Nongame and Endangered Wildlife Program, Arizona Game and Fish Department, Phoenix, AZ.

Stewart M. 2016. Shot Hole Borer (*Fusarium Dieback*) in Southern California Riparian Ecosystems. Informational Memo for the Regional Director, July 20, 2016. U.S. Fish and Wildlife Service, Carlsbad and Palm Springs Field Office, CA.

Stiles, F.G. and A.F. Skutch. 1989. *A guide to the birds of Costa Rica*. Cornell University Press, Ithaca, NY.

Stoleson, S.H. and D.M. Finch. 1999. Reproductive success of southwestern willow flycatchers in the Cliff-Gila Valley, New Mexico. Report to Phelps-Dodge Corporation. USDA Forest Service, Rocky Mountain Research Station, Albuquerque, NM.

Stoleson, S.H. and D.M. Finch 2000. Reproductive success of southwestern willow flycatchers in the Cliff-Gila Valley, New Mexico, Final Report for the 1999 Field Seasons. Report to Phelps-Dodge Corporation. USDA Forest Service, Rocky Mountain Research Station, Albuquerque, NM.

Stromberg, J.C., R. Tiller and B. Richter. 1996. Effects of Groundwater Decline on Riparian Vegetation of Semiarid Regions: The San Pedro, Arizona. *Ecological Applications*, Vol. 6, No. 1 (Feb., 1996), pp. 113-131.

Stromberg, J., S. Lite, and C. Paradzick. 2005. Tamarisk and River Restoration Along the San Pedro and Gila Rivers, In Gottfried, G. J., B. S., Gebow, L.G. Eskew, and C.B. Edminster (eds.). *Connecting Mountain Islands and Desert Seas: Biodiversity and Management of the Madrean Archipelago II*. Proceedings RMRS-P-36. Fort Collins, Colorado: U.S. Department of Agriculture, Forest Service, Rocky Mountain Research Station. 631 p.

Stromberg, J.C., M.K. Chew, P. L. Nagler, and E. P. Glenn. 2009. Changing perceptions of change: the role of scientists in tamarix and river management. *Restoration Ecology* Vol. 17, No. 2, pp. 177–186.

Stumpf, K.J., T.D. Theimer, M.A. McLeod, and T. J. Koronkiewicz. 2011. Distance from riparian edge reduces brood parasitism of southwestern willow flycatchers, whereas parasitism increases nest predation risk. *The Journal of Wildlife Management* 9999:1–9; 2011; DOI: 10.1002/jwmg.246

Summitt, A.R., 2013. *Contested Waters: an Environmental History of the Colorado River*. University Press of Colorado, Boulder, Colorado.

Szaro, R. C. 1980. Factors influencing bird populations in southwestern riparian forests. Pp. 403-433 in USDA Forest Service. General Technical Report INT-86.

_____. 1989. Riparian forest and scrubland community types of Arizona and New Mexico. *Desert Plants* 9:70-138.

Taylor, D. M. 1986. Effects of cattle grazing on passerine birds nesting in riparian habitat. *Journal of Range Management* 39: 254-258.

Taylor D.M. and C.D. Littlefield. 1986. Willow Flycatcher and Yellow Warbler response to cattle grazing. *American Birds*, Volume 40, No. 5.

Theimer, T.C., A.D. Smith, S.M. Mahoney, and K.E. Ironside. 2016. Available data support protection of the Southwestern Willow Flycatcher under the Endangered Species Act. *The Condor*, 118(2):289-299.

Tonto National Forest. 2013a. Draft Biological Assessment: Salt River Allotments Vegetative Management Project, Globe and Tonto Basin Ranger Districts, Tonto National Forest, Gila County, AZ.

_____. 2013b. Draft Environmental Impact Statement: Salt River Allotments Vegetative Management Project, Globe and Tonto Basin Ranger Districts, Tonto National Forest Gila County, AZ.

Tracy, J.L., M. Diluzio, and C. J. DeLoach. 2008. Ecoclimatic modeling of five species of tamarisk beetles (*Diorhabda elongata*) using a novel stacked environmental envelope model. USDA/ARS Grassland, Soil and Water Research Laboratory, Temple, TX.

Traylor, M.A. Jr. 1979. Checklist of birds of the world, vol. 8. Harvard Univ., Cambridge, Massachusetts.

Udall, B. and G. Bates. 2007. Climatic and Hydrologic Trends in the Western U.S.: A Review of Recent Peer-Reviewed Research. Intermountain West Climate Summary, published by Western Water Assessment, University of Colorado and NOAA Physical Sciences Division.

Unitt, P. 1987. *Empidonax traillii extimus*: An endangered subspecies. *Western Birds* 18:137-162.

_____. 1997. Winter range of *Empidonax traillii extimus* as documented by existing museum collections. Report to U.S. Bureau of Reclamation, Phoenix, AZ.

_____. 1999. Winter Range and discriminant function analysis of the willow flycatcher. Final report submitted to the Bureau of Reclamation, Phoenix Area Office (Federal Grant No. 98-FG-32-0200), Phoenix, AZ.

U.S. Bureau of Reclamation (USBR). 1999. Long term restoration program for the historical southwestern willow flycatcher (*Empidonax traillii extimus*) habitat along the lower Colorado River. U.S. Bureau of Reclamation, Boulder City, NV.

_____. 2005. Water 2025: Preventing Crises and Conflict in the West. Department of Interior, U.S. Bureau of Reclamation, Washington, D.C.

_____. 2016. Lower Colorado River Multi-Species Conservation Program Final Implementation Report, Fiscal Year 2017 Work Plan and Budget, Fiscal Year 2015 Accomplishment Report, June 2016. U.S. Bureau of Reclamation, Boulder City, NV.

U.S. Fish and Wildlife Service (USFWS). 1995. Final rule determining endangered status for the southwestern willow flycatcher. *Federal Register* 60:10694-10715.

_____. 1996. Formal consultation and conference on the Army Corps of Engineers 1996 operation of Isabella Reservoir. Sacramento Ecological Services Office, Sacramento, CA.

_____. 1998. Intra-Service Formal Section 7 Consultation/Conference for Issuance of an Endangered Species Act Section 10(a)(1)(B) Permit (PRT-840414) for the County of San Diego Multiple Species Conservation Program Subarea Plan, San Diego County, California. U.S. Fish and Wildlife Service, Carlsbad, CA. March 12, 1998.

_____. 1999. Amendment to December 1998 concurrence from Assistant Director Ecological Services to Dr. Carl Bausch, USDA Animal and Plant Health Inspection Service, for the effects of release of tamarisk biological control agents (leaf beetles) on the endangered southwestern willow flycatcher, U.S. Fish and Wildlife Service, Washington D.C.

_____. 2000. Reinitiation of formal consultation on the Army Corps of Engineers long-term operation of Isabella Dam and Reservoir. Sacramento Ecological Services Office, Sacramento, CA.

_____. 2002. Southwestern Willow Flycatcher Recovery Plan, Region 2, Albuquerque, NM.

_____. 2003. Final Biological Opinion on Reinitiation of US 93 Highway (Wickenburg to Kingman) Widening Project, Mohave County, AZ. U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2004a. Letter of concurrence from FWS Texas State Administrator Ren Lohofener to Bill Dugas, Resident Director, APHIS, Temple, Texas to release biological control agent (*Diorhabda elongata*, a leaf beetle) in western Texas. U.S. Fish and Wildlife Service, Austin, TX.

_____. 2004b. Intra-Service Formal Section 7 Consultation/Conference for Issuance of an Endangered Species Act Section 10(a)(1)(B) Permit (TE-088609-0) for the Western Riverside County Multiple Species Habitat Conservation Plan, Riverside County, California. U.S. Fish and Wildlife Service, Carlsbad, CA. June 22, 2004.

_____. 2004c. Final Biological Opinion on Subregional Multiple Habitat Conservation Plan and the City of Carlsbad Subarea Plan/Habitat Management Plan, San Diego County, California (1-6-00-F-847.4). U.S. Fish and Wildlife Service, Carlsbad, CA

_____. 2005. Concurrence request from Animal Plant and Health Inspection Service regarding Biological Control of Salt Cedar (*Tamarix spp.*) in Fifteen States. Memorandum from Fish and Wildlife Service Region 1 Director, Portland OR, to Fish and Wildlife Service Director, Washington, D.C.

_____. 2006. Final Biological Opinion for 8th Avenue Bridge Replacement, Graham County, Arizona. U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2007. Intra-Service Formal Section 7 Consultation/Conference for an Endangered Species Act Section 10(a)(1)(B) Permit (TE114113-0, TE114140-0, TE114105-0) for the Southern Orange County Natural Community Conservation Plan/Master Streambed Alteration Agreement/Habitat Conservation Plan, Orange County, California. U.S. Fish and Wildlife Service, Carlsbad, CA.

_____. 2007a. Final Biological Opinion for Phase 1 Hazard Vegetation Removal in Utility Corridors on Arizona Forests. U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2010. Final Biological Opinion for Construction of the New Beaver Dam Wash Bridge on Mohave County Highway 91 in Mohave County, Arizona. U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2011a. Final Biological Opinion on the Clean Water Act 404 Permit Associated with Proposed Restoration of the Gila River at Apache Grove (SPL-2010-00233-RWF), U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2011b. Final Biological Opinion for the Tonto and Oak Creek Bridge Development in Gila County, Arizona. U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2011c. Final Biological Opinion for Effects to Listed Species from U.S. Forest Service Aerial Application of Fire Retardants on National Forest System Lands. U.S. Fish and Wildlife Service, Regions 1, 2, 3, 4, 5, 6, and 8, December 6, 2011.

_____. 2012a. Biological Opinion for the effects of the United States Section of the International Boundary and Water Commission proposed action of an Integrated Land Management Alternative for Long-Term Management of the Rio Grande Canalization Project in Sierra County and Doña Ana County, New Mexico, and El Paso County, Texas New Mexico Ecological Services Office, Albuquerque, NM.

_____. 2012b. Final Biological Opinion on Maintenance of San Pedro Road (Dudleyville Crossing) on the San Pedro River, Pinal County, Arizona (File number SPL-2008-261-RJD). U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2013a. Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Southwestern Willow Flycatcher. U.S. Department of the Interior, Fish and Wildlife Service, Federal Register, Vol. 78. No. 2, January 3, 2013, pp. 344-534.

_____. 2014. Southwestern Willow Flycatcher (*Empidonax traillii extimus*) 5-Year Review: Summary and Evaluation. U.S. Fish and Wildlife Service, Region 2, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2014a. U.S. Fish and Wildlife Service Section 10(a)(1)(A) Enhancement of Survival Recovery Permit (TE – 75475A-0) to The City of Phoenix for the Tres Rios Safe Harbor Agreement. U.S. Fish and Wildlife Service, Region 2, Albuquerque, NM.

_____. 2015. Final Biological Opinion to the Army Corps of Engineers on the Upper Gila River Vegetation Management Program. U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ

_____. 2016a. Final Biological Opinion on the Effects of the Issuance of an Enhancement of Survival Permit Under Section 10(a)(1)(a) of the Endangered Species Act to the Nevada

Department of Wildlife. U.S. Fish and Wildlife Service, Nevada Fish and Wildlife Service Office, Las Vegas, NV.

_____. 2016b. Final Biological and Conference Opinion on the Pima County Multi-Species Conservation Plan, U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

_____. 2016c. Final Biological and Conference Opinion to the Bureau of Land Management on Fuel Break Treatments on the Gila District within Graham, Pima, and Cochise Counties, U.S. Fish and Wildlife Service, Arizona Ecological Services Office, Phoenix, AZ.

U.S. Forest Service (USFS). 2012. Tonto National Forest Motorized Travel Management. U.S. Department of Agriculture, Forest Service, Southwestern Region, Albuquerque, NM.

U.S. Geological Survey (USGS). 2010. Saltcedar (*Tamarix* spp.) and Russian Olive (*Elaeagnus angustifolia*) in the Western United States—A Report on the State of the Science. Fact Sheet 2009–3110 January 2010. U.S. Department of Interior, U.S. Geological Survey, Washington, D.C.

U.S. Marine Corps (USMC). 2007. Marine Corps Base Camp Pendleton Integrated Natural Resources Management Plan. Department of Defense, United States Marine Corps, Marine Corps Base, Camp Pendleton, CA.

University of Texas El Paso (UTEP). 2008. Species and Subspecies. Centennial Museum and Department of Biological Sciences, The University of Texas at El Paso, TX, <http://museum2.utep.edu/mammalogy/species.htm>

Vaquero-Alba, I., A. McGowan, D. Pincheira-Donoso, M. R. Evans, and S.R.X. Dall. 2014. A quantitative analysis of objective feather colour assessment: measurements in the lab are more reliable than in the field. BioRxiv, Cold Spring Harbor Laboratory, doi: <https://doi.org/10.1101/007914>

Warren, D.L., R.E. Glor, and M. Turelli. 2008. Environmental Niche Equivalency versus Conservatism: Quantitative Approaches to Niche Evolution. *Evolution*, Vol. 62, No. 11, pp. 2868-2883.

Warren, D.L., R.E. Glor, and M. Turelli. 2010. ENM Tools: a toolbox for comparative studies of environmental niche models. *Ecography* 33, pp. 607-611.

Warren, D.L. and S.N. Seifert. 2011. Ecological niche modeling in Maxent: the importance of model complexity and the performance of model selection criteria. *Ecological Applications*, 21(2), pp. 335-342.

Wetmore, A. 1972. The birds of the Republic of Panama: Part 3-Passeriformes: Dendrocolaptidae (Woodcreepers) to Oxyruncidae (Sharpbills). *Smithson. Misc. Collect.* 150, pt. no. 3.

White, J.M. and J.C. Stromberg. 2011. Resilience, restoration, and riparian ecosystems; a case study of a dryland, urban river. *Restor. Ecol.* 19, 101-111.

Whitfield, M.J. 1990. Willow Flycatcher Reproductive Response to Brown-Headed Cowbird Parasitism. A Thesis Presented to California State University, Chico, Chico, CA.

Whitfield, M.J. 2013. Twenty + years of willow flycatcher research: What have we learned? Presentation at The Wildlife Society, Western Section Meeting, January 2013. Southern Sierra Research Station, Weldon, CA.

Whitfield, M.J. and C.M. Strong. 1995. A brown-headed cowbird control program and monitoring for the southwestern willow flycatcher, South Fork Kern River, California. California Department of Fish and Game, Bird and Mammal Conservation Program Report 95-4, Sacramento, CA.

Whitfield, M.J. and K.M. Enos. 1998. Reproductive response of the southwestern willow flycatcher (*Empidonax traillii extimus*) to the removal of brown-headed cowbirds in 1998. Final report to the U.S. Army Corps of Engineers (P.O. # DACWO5-98-P-0459) and State of California - The Resources Agency (Contract #FG6151-1WM). Kern River Research Center, Weldon, CA.

Wiles T. and B. Warren. 2016. Federal-lands ranching: A half-century of decline. *How grazing fell from its Western pedestal – and fueled Sagebrush Rebellion*. High Country News, June 13, 2016.

Winkler, K. 1994. Divergence in the Mitochondrial DNA of *Empidonax traillii* and *E. alnorum*, with Notes on Hybridization. *The Auk* 111(3), pp. 710-713.

Yong, W. and D.M. Finch. 1997. Migration of the willow flycatcher along the middle Rio Grande. *Wilson Bulletin*. 109:253–268.

Zink R.M. 2015. Commentary: Genetics, morphology, and ecological niche modeling do not support the subspecies status of the endangered Southwestern Willow Flycatcher (*Empidonax traillii extimus*). *The Condor: Ornithological Applications*, Vol. 117:000-000.

Zink R.M. and N.K. Johnson. 1984. Evolutionary Genetics of Flycatchers. I. Sibling species in the Genera *Empidonax* and *Contopus*. *Systemic Zoology*, Vol 33, No. 2, pp. 205-216.