

11.1 Chapter 1

RBF Consulting (RBF). 2014. *West Valley Habitat Conservation Plan for the Issuance of an Incidental Take Permit Under Section 10(A)(1)(B) of the Endangered Species Act for the Federally Endangered Delhi Sand Flower-loving Fly Projects within Colton, California of San Bernardino County*. Prepared for the City of Colton. June 2014.

Riverside County Habitat Conservation Agency (RCHCA). 1996. *Stephen's Kangaroo Rat Habitat Conservation Plan*. Available: <http://www.wrcog.us/151/SKR-Habitat-Conservation-Plan>. Accessed: March 13, 2019.

The Metropolitan Water District of Southern California and Riverside County Habitat Conservation Agency. 1995. *Lake Mathews Multiple Species Habitat Conservation Plan and Natural Community Conservation Plan*. July 1995. Available: http://www.mwdh2o.com/PDF_In_The_Community/LakeMathews_Vol1_Conservation_Plan.pdf. Accessed: March 13, 2019.

United States Fish and Wildlife Service (USFWS). 2020. Environmental Conservation Online System (ECOS). Available: <https://ecos.fws.gov/ecp/>.

Western Riverside County Regional Conservation Authority (WRC-RCA). 2003. *Final Multiple Species Habitat Conservation Plan*. June 17, 2003. Available: <http://www.wrc-rca.org/about-rca/multiple-species-habitat-conservation-plan/>. Accessed: March 13, 2019.

11.2 Chapter 2

City of Riverside. 1995. Hidden Valley Wetlands Enhancement Project Operation and Maintenance Manual.

Danelski, David. 2014. Riverside: Waterfowl Ponds Dry and Languishing at County Park. *The Press Enterprise*, March 25. Available: <http://www.pe.com/articles/city-688799-waterponds.html>.

Herzog, Greg. Water Resources Analyst. Riverside Public Utilities. Telephone conversation. December 15, 2016.

ICF. 2019. *High-Flow Study Phase 2 Report*. Final. August. (ICF 00190.16.) San Diego. Prepared for CBD/EHL/SBVMWD/SBVWCD, California.

K.S. Dunbar & Associates 2010. *Final Environmental Impact Report (FEIR) for the Western Riverside County Regional Wastewater Treatment Plant Enhancement and Enlargement Project*. State Clearinghouse No.2009091040.

MWH Global. 2014. *2014 Water System Master Plan: East Valley Water District*. Available: <https://www.eastvalley.org/280/Water-Master-Plan>. Accessed: August 24, 2016.

- Northwest Hydraulic Consultants. 2015. *Santa Ana Sucker Passage at Lake Evans Outlet to Santa Ana River*. Prepared for ICF International. April 2015.
- Romich, M. 2018. *Biological Baseline Conditions Report: Mill Creek Operations Study Area (First Draft)*. Prepared for San Bernardino Valley Municipal Water District. December.
- Romich, M. 2019. *Technical Memo: San Bernardino Kangaroo Rat Trapping Results for the Enhanced Recharge Project, Highland and Redlands, San Bernardino County, California (TE-068799-5)*. Prepared for San Bernardino Valley Municipal Water District. December.
- Riverside-Corona Resource Conservation District (RCRCD). 2012. *Hole Creek Re-Con Survey*. April. RCRCD Aquatics Program.
- Scheevel Engineering. 2019. *Santa Ana River Sediment Monitoring Program Phase 1*, November 23. Letter to OCWD.
- Shier, Debra M, Rachel Y Chock, and Sarah McCullough-Hennessy. 2019. *Landscape and Microhabitat Suitability Models for the San Bernardino Kangaroo Rat (Dipodomys Merriami Parvus)*. Escondido, CA: San Diego Zoo Institute for Conservation Research, Recovery Ecology, Zoological Society of San Diego
- U.S. Department of the Interior Fish and Wildlife Service (USFWS) and U.S. Department of Commerce National Oceanic and Atmospheric Administration National Marine Fisheries Service (NMFS). 2016. *Habitat Conservation Planning and Incidental Take Permit Processing Handbook*. Available: https://www.fws.gov/endangered/what-we-do/hcp_handbook-chapters.html. Accessed: January 11, 2019.

11.3 Chapter 3

- Aldridge, R. D. 2001. Reproductive Anatomy, Mating Season and Cost of Reproduction in the Glossy Snake (*Arizona elegans*). *Amphibia-Reptilia* 22:243–249.
- Allen, E. B. 1996. *Characterizing the Habitat of Slender-horned Spineflower (Dodecahema leptoceras)*. Final Report Prepared for California Department of Fish and Game. Contract Number FG-4632-R5. 60 pp.
- AmphibiaWeb. 2014. *Information on Amphibian Biology and Conservation*. Available: http://amphibiaweb.org/cgi-bin/amphib_query?where-genus=Spea&where-species=hammondii.
- Anderson, D. B. (2006). *Quantifying the Interaction between Riparian Vegetation and Flooding: from Cross-Section to Catchment Scale*. University of Melbourne.
- Arthington, A. H., S. E. Bunn, N. L. Poff, and R. J. Naiman. (2006), The Challenge of Providing Environmental Flow Rules to Sustain River Ecosystems. *Ecological Applications* 16:1311–1318. doi:10.1890/1051-0761(2006)016[1311:TCOPEF]2.0.CO;2
- Atwood, J. L. 1993. California Gnatcatchers and Coastal Sage Scrub: The Biological Basis for Endangered Species Listing. Pages 149–169 in J. E. Keeley (ed.), *Interface Between Ecology and Land Development in California*. Southern Calif. Acad. Sci., Los Angeles.

- Atwood, Jonathan L., and David R. Bontrager. 2001. California Gnatcatcher (*Poliophtila californica*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/574>.
- Bailey, E. A., and P. J. Mock, P. J. 1998. Dispersal Capability of the California Gnatcatcher: A Landscape Analysis of Distribution Data. *Western Birds* 29:351–360.
- Barr, Kelly R., Amy G. Vandergast, and Barbara E. Kus. 2013. *Genetic Structure in the Cactus Wren in Coastal Southern California*. Data summary report prepared for the California Department of Fish and Wildlife.
- Barry, S. J. 1998. *Coluber infernalis* Blainville, 1835 and *Eutaenia sirtalis tetrataenia* Cope in Yarrow, 1875 (currently *Thamnophis sirtalis infernalis* and *T. s. tetrataenia*; *Reptilia, Squamata*). *Bull. Zool. Nomenclature* 55 (4).
- Barry, S. J., M. R. Jennings, and H. M. Smith. 1996. Current Subspecific Names for Western *Thamnophis sirtalis*. Letter to the editor. *Herpetological Review* 27(4):172–173.
- Baumberger, K. L., A. R. Backlin, E. A. Gallegos, C. J. Hitchcock, and R. Fisher. 2020. Mitigation Ponds Offer Drought Resiliency for Western Spadefoot (*Spea hammondi*) Populations. *Bulletin of the Southern California Academy of Sciences* 119(1).
- Beedy, Edward C., and William J. Hamilton, III. 1997. *Tricolored Blackbird Status Update and Management Guidelines*. Prepared for U.S. Fish & Wildlife Service, Migratory Birds and Habitat Program, Portland, OR, and California Department of Fish and Wildlife, Bird and Mammal Conservation Program. Sacramento.
- Beedy, Edward C., and William J. Hamilton, III. 1999. Tricolored Blackbird (*Agelaius tricolor*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/423>.
- Behrends, P., M. Daly, and M. I. Wilson. 1986. Aboveground Activity of Merriam's Kangaroo Rats (*Dipodomys merriami*) in Relation to Sex and Reproduction. *Behaviour* 96:210–226.
- Beier, P. 2006. Effects of Artificial Lighting on Terrestrial Mammals. Pages 19–42 in C. Rich and T. Longcore (eds.), *Ecological Consequences of Artificial Night Lighting*. Island Press.
- Bertoldi, W., M. Tubino, and L. Zanoni. 2010. Assessment of Morphological Changes Induced by Flow and Flood Pulses in a Gravel Bed Braided River: The Tagliamento River (Italy). *Geomorphology* 114(3):348–360.
- Beyers, J. L., and W. O. Wirtz. 1997. Vegetative Characteristics of Coastal Sage Scrub Sites Used by California Gnatcatchers: Implications for Management in a Fire-Prone Ecosystem. Pages 81–89 in J. M. Greenlee (ed.), *Proceedings: First Conference on Fire Effects on Rare and Endangered Species and Habitats, Coeur d'Alene, Idaho, November 1995*. International Association of Wildland Fire, Fairfield, WA.
- Bolster, B.C., editor. 1998. *Terrestrial Mammal Species of Special Concern in California*. Los Angeles Pocket Mouse *Perognathus longimembris brevinasus*. Draft Final Report prepared by P.V. Brylski. Report submitted to California Department of Fish and Wildlife - Wildlife Management Division, Nongame Bird and Mammal Conservation Program. Pages 111–112.

- Botelho, E. S., and P. C. Arrowood. 1998. The Effect of Burrow Site Use on the Reproductive Success of a Partially Migratory Population of Western Burrowing Owls (*Speotyto cunicularia hypugaea*). *Journal of Raptor Research* 32(3):233–240.
- Boundy, Jeff, and Douglas A. Rossman. 1995. Allocation and Status of the Garter Snake Names *Coluber Infernalis* Blainville, *Eutaenia Sirtalis* Tetrataenia Cope and *Eutaenia Imperialis* Coues and Yarrow. *Copeia* 1995(1):236–240. JSTOR, www.jstor.org/stable/1446824.
- Bovee, K. D., B. L. Lamb, H. M. Bartholow, C. B. Stalnaker, and J. Taylor. 1998. *Stream Habitat Analysis Using the Instream Flow Incremental Methodology*. Geological Survey, Biological Resources Division, Reston, VA.
- Braden, G. T. 1999. Does Nest Placement Affect the Fate or Productivity of California Gnatcatcher Nests? *The Auk* 116(4):984–993.
- Braden, Gerald. 2015. *Memorandum: Review of SARHCP Covered Species Accounts*. January 14,
- Braden, Gerald. Personal Communication. November 14, 2013. Comments: Covered Species Memo for Upper Santa Ana River HCP.
- Braden, G. T., and R. L. McKernan. 2000. *A Data Based Survey Protocol and Quantitative Description of Suitable Habitat for the Endangered San Bernardino Kangaroo Rat (Dipodomys merriami parvus)*. Unpublished report prepared by the San Bernardino County Museum, Redlands, California. June 2000.
- Brown, J. H., and B. A. Harney. 1993. Population and Community Ecology Of Heteromyid Rodents in Temperate Habitats. Pages 618–651 in H. H. Genoways and J. H. Brown (eds.), *Biology of the Heteromyidae, Special Publication No. 10 of the American Society of Mammalogists*.
- Brown, Larry R., and Jason T. May. 2016. *Native Fish Population and Habitat Study, Santa Ana River, California: Annual Report, July 2015 to June 2016*. U.S. Geological Survey California Water Science Center.
- Bury, R. B. and D. J. Germano. 2008. *Actinemys marmorata* (Baird and Girard 1852) – Western Pond Turtle, Pacific Pond Turtle. Pages 001.1–001.9 in A. G. J. Rhodin, P. C. H. Prichard, P. P. von Dijk, R. A. Saumure, K. A. Buhlmann, and J. B. Iverson (eds), *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs No. 5, doi:10.3854/crm.5.001.marmorata.v1.2008. Available: <http://www.iucn-tftsg.org/cbftt>.
- Buskirk, J. 2002. The Western Pond Turtles, *Emys marmorata. Radiata*. 11(3):3–30.
- California Board of Equalization 2015. Tax Area Services Section (TASS) of the California Board of Equalization 2013–2015 data release.
- California Consortium of Herbaria (CCH). 2014. Data Provided by the Participants of the Consortium of California Herbaria. Regents of the University of California, Berkeley, CA. Available: <http://ucjeps.berkeley.edu/consortium/>. Accessed: July 9, 2014.
- California Department of Conservation. 2014. Farmland Mapping and Monitoring Program. Division of Land Resource Protection. Available: http://www.conservation.ca.gov/dlrp/fmmp/Pages/county_info.aspx. Accessed: May 30, 2017.

- California Department of Fish and Game (CDFG). No Date. *Arroyo Chub*. Available: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=104270>. Accessed: September 1, 2020.
- . 2011. Special Animals. Biogeographical Branch. California Natural Diversity Database. Sacramento, California.
- . 2012. *Staff Report on Burrowing Owl Mitigation*. Sacramento, California.
- . 2014. Upper Santa Ana River Habitat Conservation Plan Species Occurrence Database. California Natural Diversity Database. Sacramento, California. Updated September 2014.
- CaliforniaHerps. 2014. *A Guide to the Amphibians and Reptiles of California: Southern Mountain Yellow-Legged Frog (Spea hammondi)*. Available: <http://www.californiaherps.com/frogs/pages/r.muscosa.html>.
- California Native Plant Society (CNPS), Rare Plant Program. 2014. *Inventory of Rare and Endangered Plant* (online edition, v8-02). California Native Plant Society, Sacramento, CA. Available: <http://www.rareplants.cnps.org>.
- . 2020. *Inventory of Rare and Endangered Plants* (online edition, v8-03 0.39). California Native Plant Society, Sacramento, California. Available: <http://www.rareplants.cnps.org>. Accessed: July 7, 2020.
- California Regional Water Quality Control Board. 1995. *Water Quality Control Plan – Santa Ana River Basin (8)*.
- California State Board of Forestry and Fire Protection and California Department of Forestry and Fire Protection (CAL FIRE). 2018. *2018 Strategic Fire Plan for California*. Available: https://osfm.fire.ca.gov/media/5590/2018-strategic-fire-plan-approved-08_22_18.pdf. Accessed: August 23, 2019.
- Cazier, M. A. 1985. A Revision of the North American Flies Belonging to the Genus *Rhaphiomidas* (Diptera: Apiceridae). *Bulletin American Museum Natural History* 182:181–263.
- Crother, B. I. 2008. *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding*. 6th Edition. By the Committee on Standard English and Scientific Names. Society for the Study of Amphibians and Reptiles Herpetological Circular 37: iii + 86p.
- Daly, M., P. R. Behrends, M. I. Wilson, and L. F. Jacobs. 1992a. Behavioral Modulation of Predation Risk: Moonlight Avoidance and Crepuscular Compensation in a Nocturnal Desert Rodent, *Dipodomys merriami*. *Animal Behaviour* 44:1–9.
- Daly, M., L. F. Jacobs, M. I. Wilson, and P. R. Behrends. 1992b. Scatter-Hoarding by Kangaroo Rats (*Dipodomys merriami*) and Pilferage from their Caches. *Behavioral Ecology* 3:102–111.
- De Groot, S. 2014. *Description in Review for Publication by Flora of North America for Eriastrum densifolium ssp. sanctorum*.
- De Groot, S. J. 2016. Tomus Nominum Eriastri: The Nomenclature and Taxonomy of Eriastrum (Polemoniaceae: Loeseliaeae). *Aliso: A Journal of Systematic and Evolutionary Botany* 34:25–152.

- Dudek & Associates. 2003a. *Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). Volume II-B, Species Accounts: Birds*. Available: http://rctlma.org/Portals/0/mshcp/volume2/birds.html#TOC1_43.
- . 2003b. *Western Riverside County Multiple Species Habitat Conservation Plan. Volume II–B Species Accounts: Mammals*.
- Durst, S. L., 2004. *Southwestern Willow Flycatcher Potential Prey Base and Diet in Native and Exotic Habitats*. Flagstaff, Arizona, Northern Arizona University, M.S. Thesis, 86 p.
- Durst, S. L., T. C. Theimer, E. H. Paxton, and M. K. Sogge. 2008. Age, Habitat, and Yearly Variation in the Diet of a Generalist Insectivore, the Southwestern Willow Flycatcher. *Condor* 110:514–525.
- eBird. 2012. An Online Database of bird Distribution and Abundance. Cornell Lab of Ornithology, Ithaca, New York. Available: <http://ebird.org/ebird/map/>. Accessed: July 17, 2014.
- . 2014. An Online Database of Bird Distribution and Abundance. Cornell Lab of Ornithology, Ithaca, New York. Map of Mill Creek Wetlands hotspot. Records from May 31, 2014 to June 18, 2014. Available: <http://ebird.org/ebird/hotspot/L2896764>.
- Eckerle, Kevin P., and Charles F. Thompson. 2001. Yellow-breasted Chat (*Icteria virens*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/575>.
- Ellis, L. A., D. M. Weddle, S. D. Stump, H. C. English, and A. E. Graber. 2008. *Southwestern Willow Flycatcher Final Survey and Monitoring Report*. Arizona Game and Fish Department, Research Technical Guidance Bulletin #10, Phoenix, Arizona.
- England, J. F., Jr., T. A. Cohn, B. A. Faber, J. R. Stedinger, W. O. Thomas Jr., A. G. Veilleux, J. E. Kiang, and R. R. Mason Jr. 2018. Guidelines for Determining Flood Flow Frequency. *Bulletin 17C: U.S. Geological Survey Techniques and Methods*, book 4, chap. B5, 148 p., Available: <https://doi.org/10.3133/tm4B5>.
- Ervin, E. 2011. *Conservation of the South Coast Garter Snake (Thamnophis sirtalis ssp.)*, A DFG Species of Special Concern: Are Current HCP's Adequate? Abstract. Presented at the 2011 The Wildlife Society Western Section annual meeting, Riverside, California.
- ESA. 2015. *Sterling Natural Resource Center Draft Environmental Impact Report*. December. Available: http://www.sbcounty.gov/uploads/lafco/Proposals/3226/3226_SNRC_DEIR.pdf. Accessed: February 8, 2019.
- Feenstra, J. S. 2009. *The Status of the Tricolored Blackbird (Agelaius tricolor) in Southern California: Results of the Spring 2009 Census*. Pasadena, CA.
- Ferguson, N. J., and N. C. Ellstrand. 1999. *Assessment of Seed Bank Buffering of Genetic Change in Dodecahema leptoceras (Slender-horned Spineflower)*. Report by Department of Botany and Plant Sciences, University of California Riverside, for USFWS.
- Ferguson, R. I., and M. Church. 2004. A Simple Universal Equation for Grain Settling Velocity. *Journal of Sedimentary Research* 74(6):933–937.

- 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.
- Franzreb, K. E. 1989. *Ecology and Conservation of the Endangered Least Bell's Vireo*. U.S. Fish Wildlife Service. Biol. Rep. 89(1).
- French, A. R. 1993. Physiological Ecology of the Heteromyidae: Economics of Energy and Energy and Water Utilization. Pages 509–538 in H. H. Genoways and J. H. Brown (eds.), *Biology of the Heteromyidae, Special Publication No. 10 of the American Society of Mammalogists*.
- Frost, D. R., R. W. McDiarmid, and J. R. Mendelson, III. 2008b. Anura: Frogs. Pages 2–12 in B. Crother (ed.), *Scientific and Standard English Names of Amphibians and Reptiles of North America North of Mexico, with Comments Regarding Confidence in Our Understanding*. Herpetological Circular No. 37:1–94.
- Geoscience. 2012. *Draft Stormwater Flow and Capture Analysis - Active Recharge Project for the Tributaries of the Santa Ana River, San Bernardino Valley, California*. January 10.
- . 2013. *Calculate and Forecast New Conservation for the Western-San Bernardino Watermaster Technical Memorandum*. August 1.
- . 2014. *Geohydrologic Evaluation Riverside North Aquifer Storage and Recovery Project*. January 24.
- . 2018. *Upper Santa Ana River Integrated Model TM No. 1: Model Integration*. Draft. Prepared for San Bernardino Valley Municipal Water District, dated March 16.
- Gervais, J. A., D. K. Rosenberg, and L. A. Comrack. 2008. Burrowing Owl (*Athene cunicularia*). In W. D. Shufford and T. Gardali (eds.), *California Bird Species of Special Concern: A Ranked Assessment of Species, Subspecies, and Distinct Populations of Birds of Immediate Conservation Concern in California. Studies of Western Birds 1*. Western Field of Ornithologists, Camarillo, California and California Department of Fish and Game, Sacramento.
- Deckert, G.D. and D.W. Greenfield, 1987. A review of the western Atlantic species of the genera *Diapterus* and *Eugerres* (Pisces: Gerreidae). *Copeia* 1987(1):182-194.
- Greenfield, D. W., S. T. Ross, and G .D. Deckert. 1970. Some Aspects of the Life History of the Santa Ana Sucker, *Catostomus* (*Pantosteus*) *Santaanae* (Snyder). *California Fish and Game* 56(3):166–179. Available: www.nativefishlab.net/library/textpdf/19254.pdf. Accessed: July 15, 2014.
- GreenInfo Network. 2009. California Protected Areas Database v1.4. Available: <http://www.calands.org>.
- Griffin, P. C., T. J. Case, and R. N. Fisher. 1999. *Radio Telemetry Study of Bufo californicus, Arroyo Toad Movement Patterns and Habitat Preferences*. Contract Report to California Department of Transportation Southern Biology Pool.
- Haglund, T. R., J. N. Baskin and T. J. Even. 2010. *Results of the Year 8 (2008-2009) Implementation of the Santa Ana Sucker Conservation Program for the Santa Ana River*. Annual Report. Prepared for Santa Ana Sucker Conservation Team.

- Hamilton, R. A., G. A. Proudfoot, D. A. Sherry, and S. Johnson. 2011. Cactus Wren (*Campylorhynchus brunneicapillus*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna/birds.cornell.edu/bna/species/558>. doi: 10.2173/bna.558.
- Hamilton, W. J., III. 1998. Tricolored Blackbird Itinerant Breeding in California. *Condor* 100:218–226.
- Hammerson, G. A., D. R. Frost, G. Santos-Barrera, J. Vasquez Díaz, and G. E. Quintero Díaz. 2007. *Arizona Elegans*. The IUCN Red List of Threatened Species. Version 2014.2. Available: <http://www.iucnredlist.org>. Accessed: July 25, 2014.
- Hanes, T. L., R. D. Friesen, and K. Keane. 1989. Alluvial Scrub Vegetation in Coastal Southern California. Pages 187–193 in D. L. Abell (technical coordinator), *Proceedings of the California Riparian Systems Conference: Protection, Management, and Restoration for the 1990's, September 22–24, 1988, Davis, CA*. Gen. Tech. Rep. PW-110 Berkeley, CA Pacific Southwest Forest and Range Experiment Station, Forest Service, U.S. Department of Agriculture.
- 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. Available: <http://dx.doi.org/10.3133/ofr20161120>.
- Hendricks, S., A. Navarro, T. Wang, A. Wilder, O. Ryder, and D. Shier. 2020. Patterns of Genetic Partitioning and Gene Flow in the Endangered San Bernardino Kangaroo Rat (*Dipodomys merriami parvus*) and Implications for Conservation Management. *Conservation Genetics*. Available: <https://doi.org/10.1007/s10592-020-01289-z>.
- Heske, Edward J., James H. Brown, and Qinfeng Guo. 1993. Effects of Kangaroo Rat Exclusion on Vegetation Structure and Plant Species Diversity in the Chihuahuan Desert. *Oecologia* 95(4):520–524.
- Hoetker, G. M., and K. W. Gobalet. 1999. Predation on Mexican Free-Tailed Bats by Burrowing Owls in California. *J. Raptor Research* 33(4):333–335.
- Holland, D. C., and N. R. Sisk. 2001. *Habitat Use and Population Demographics of the Arroyo Toad (Bufo californicus) on MCB Camp Pendleton, San Diego, California: Final Report for 1998–2000*. Prepared for AC/S Environmental Security, MCB Camp Pendleton, Camp Pendleton, California. Fallbrook, California.
- Howell, Christine A., J. K. Wood, M. D. Dettling, K. Griggs, C. C. Otte, L. Lina, and T. Gardali. 2010. Least Bell's Vireo Breeding Records in the Central Valley Following Decades of Extirpation. *Western North American Naturalist* 70(1):105–113.
- Hughes, J. M. 1999. Yellow-billed Cuckoo (*Coccyzus americanus*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/418>.
- ICF International. 2014. Upper Santa Ana River Habitat Conservation Plan Species Occurrence Database. Updated September 2014.
- International Plant Names Index (IPNI). 2014. Homepage. Available: <http://www.ipni.org>. Accessed: July 9, 2014.

- Janzen, Fredric J., J. G. Krenz, T. S. Haselkorn, and E. D. Brodie, Jr. 2002. Molecular Phylogeography of Common Garter Snakes (*Thamnophis sirtalis*) in Western North America: Implications for Regional Historical Forces. *Molecular Ecology* 11(9):1739–1751.
- Jennings, M. R., and M. P. Hayes. 1994. *Amphibian and Reptile Species of Special Concern in California*. California Department of Fish and Game, Inland Fisheries Department. Rancho Cordova, California.
- Jones, W. T. 1989. Dispersal Distance and the Range of Nightly Movements in Merriam's Kangaroo Rats. *Journal of Mammalogy* 70:27–34.
- . 1993. The Social Systems of Heteromyid Rodents. Pages 575–595 in H. H. Genoways and J. H. Brown (eds.), *Biology of the Heteromyidae*. Special Publication No. 10, the American Society of Mammalogists; August 20, 1993.
- Kingsley, Kenneth J. 1996. Behavior of the Delhi Sands Flower-Loving Fly (Diptera: Mydidae), a Little-Known Endangered Species. *Annals of the Entomological Society of America* 89:883–891.
- Kirkpatrick, J., and C. Hutchinson. 1977. The Community Composition of California Coastal Sage Scrub. *Vegetation* 35:21–33.
- Klauber, Laurence Monroe. 1946. *The Glossy Snake, Arizona: With Descriptions of New Subspecies*. San Diego Society of Natural History.
- Kus, B., S. L. Hopp, R. R. Johnson, and B. T. Brown (2020). Bell's Vireo (*Vireo bellii*), version 1.0. In *Birds of the World* (A. F. Poole, Editor). Cornell Lab of Ornithology, Ithaca, NY, USA. Available: <https://doi.org/10.2173/bow.belvir.01>.
- Klute, D. S., A. W. Ayers, M. T. Green, W. H. Howe, S. L. Jones, J. A. Shaffer, S. R. Sheffield, and T. S. Zimmerman. 2003. *Status Assessment and Conservation Plan for the Western Burrowing Owl in the United States*. U.S. Department of the Interior, Fish and Wildlife Service, Biological Technical Publication FWS/BTP-R6001-2003, Washington, D.C., USA.
- Kratzer, C., R. H. Kent, D. K. Saleh, D. L. Knifong, P. D. Dileanis, and J. L. Orlando. 2011. *Trends in Nutrient Concentrations, Loads, and Yields in Streams in the Sacramento, San Joaquin, and Santa Ana Basins, California, 1975–2004*. U.S. Geological Survey Scientific Investigations Report 2010-5228. 112 p.
- Krug, J. M., E. Bell, and R. Dagit. 2012. Growing Up Fast in a Small Creek: Diet and Growth of a Population of *Ocnochynchus mykiss* in Topanga Creek, California. *California Fish and Game* 98(1): 38–46.
- Kucera, T. 1997. *California Gnatcatcher*. California Wildlife Habitat Relationship System, California Department of Fish and Game.
- Kus, Barbara. 2002. Fitness Consequences of Nest Desertion in an Endangered Host, the Least Bell's Vireo. *The Condor* 104(4):795–802. Available: <https://doi.org/10.1093/condor/104.4.795>.
- Kus, B. E., S. Hopp, R. Johnson, and B. Brown. 2010. Bell's Vireo (*Vireo bellii*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/035>.

- Langer, W. H. 2002. *A General Overview of the Technology of In-Stream Mining of Sand and Gravel Resources, Associated Potential Environmental Impacts, and Methods to Control Potential Impacts*. U.S. Geological Survey Open-File Report OF-02-153: 38.
- Laymon, Stephen A. 1998. *Yellow-Billed Cuckoo. The Riparian Bird Conservation Plan: A Strategy for Reversing the Decline of Riparian-Associated Birds in California*.
- Lidicker, W. Z., Jr. 1960. An Analysis of Intraspecific Variation in the Kangaroo Rat *Dipodomys merriami*. *University of California Publications in Zoology* 67:125–218.
- Lytle, David A., and N. LeRoy Poff. 2004. Adaptation to Natural Flow Regimes. *Trends in Ecology & Evolution* 19(2):94–100.
- Marty, J. T. 2005. Effects of Cattle Grazing on Diversity in Ephemeral Wetlands. *Conservation Biology* 19(5):1626–1632.
- Matthews, K. R. 2003. Response of Mountain Yellow-Legged Frogs, *Rana muscosa*, to Short Distance Translocation. *Journal of Herpetology* 37(3):621–626.
- Mattoni, R. A., and G. Ballmer. 1998. A Fly Spec. *Fly Times* newsletter 20.
- McKibbin, René, and Christine A. Bishop. 2012a. Site Fidelity and Annual Survival of the Western Yellow-Breasted Chat (*Icteria virens auricollis*) at the Northern Edge of its Range. *The Canadian Field-Naturalist* 126(2):135–142.
- . 2012b. Size of Territories and Home Ranges of Male Western Yellow-Breasted Chats (*Icteria virens auricollis*) in British Columbia. *Canadian Field-Naturalist* 126(2):152–156.
- McNeil, S. E. and D. Tracy. 2013. *Yellow-billed Cuckoo Distribution, Abundance, and Habitat Use on the Lower Colorado River and Tributaries, Lower Colorado River Multi-Species Conservation Program. Southern Sierra Research Station*. 48p. Available: http://www.lcrmscp.gov/reports/2013/d7_annrep_13.pdf.
- McNeil, S. E., D. Tracy, J. R. Stanek, J. E. Stanek, and M. D. Halterman. 2011. *Yellow-Billed Cuckoo Distribution, Abundance, and Habitat Use on the Lower Colorado River and Tributaries, 2010 Annual Report*. Lower Colorado River Multi-species Conservation Program, Bureau of Reclamation, Boulder City, NV. 179 pp.
- Meese, Bob. UC Davis. Email to Jim Pike dated June 4, 2014.
- Milhaus, R. T. and T. J. Waddle. 2012. Physical Habitat Simulation (PHABSIM) Software for Windows (v. 1.5. 1). Fort Collins, CO: USGS Fort Collins Science Center.
- Mitrovich, Milan J., Tertia Matsuda, Krista A. Pease, and Robert N. Fisher. 2010. Ants as a Measure of Effectiveness of Habitat Conservation Planning in Southern California. *Conservation Biology* 24:1239–1248.
- Mitrovich, M. J., Elizabeth A. Gallegos, Lisa M. Lyren, Robert E. Lovich, and Robert N. Fisher. 2011. Habitat Use and Movement of the Endangered Arroyo Toad (*Anaxyrus californicus*) in Coastal Southern California. *Journal of Herpetology* 45(3), 319–328.
- Mollard, J. D. 1973. *Air Photo Interpretation of Fluvial Features*. Proceedings of the Canadian Hydrology Symposium. National Research Council, Ottawa, Ontario, Canada.

- Montgomery, D. R., and J. M. Buffington. 1997. Channel-reach Morphology in Mountain Drainage Basins. *Geological Society of America Bulletin* 109(5):596–611.
- Morey, S. 1988a. Mountain Yellow-Legged Frog (*Rana muscosa*). In R. Duke and E. C. Beedy (eds.), *California's Wildlife Volumes I–III*. California Department of Fish and Game, Sacramento, California. Updated January 2000 and August 2008.
- . 1988b. Common Garter Snake (*Thamnophis sirtalis*). In D. C. Zeiner, W. F. Laudenslayer, Jr., K. E. Mayer, and M. White (eds.), *California's Wildlife Volumes I–III*. California Department of Fish and Game, Sacramento, California.
- Moyle, P. B. 2002. *Inland Fishes of California: Revised and Expanded*. University of California Press. Berkeley, California.
- Moyle, P. B., R. M. Yoshiyama, J. E. Williams, and E. D. Wikramanayake. 1995. *Fish Species of Special Concern in California*, 2nd ed. Prepared for the State of California the Resources Agency, Department of Fish and Game, Inland Fisheries Division. Rancho Cordova, CA. June.
- Myers, Steven J. No Date. *Yellow-Breasted Chat*. Tierra Madre Consultants, Inc., 1159 Iowa Avenue, Suite D, Riverside, CA. Available: http://www.blm.gov/ca/pdfs/cdd_pdfs/Ybch1.pdf.
- Natural Resources Conservation Service (NRCS). 2002. *Riparian Areas: Functions and Strategies for Management*. Washington, DC: The National Academies Press. Available: <https://doi.org/10.17226/10327>. Accessed: July 18, 2019.
- . 2017. STATSGO2 Database – Digital General Soil Map of the United States. Soil Survey Staff. U.S. Department of Agriculture. Available: https://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/survey/geo/?cid=nrcs142p2_053629. Accessed: May 30, 2017.
- NatureServe. 2014. *NatureServe Explorer: An Online Encyclopedia of Life*. Version 7.1. Arlington, VA. Available: <http://explorer.natureserve.org>. Accessed: August 5, 2014.
- Nicholson, E. G., S. Manzano, Z. Devereux, T. P. Morgan, R. N. Fisher, C. Brown, R. Dagit, P. A. Scott, H. B. Shaffer. 2020. *Historical Museum Collections and Contemporary Population Studies Implicate Roads and Introduced Predatory Bullfrogs in the Decline of Western Pond Turtles*. PeerJ: 8:e9248.
- Osborne, K. H. 2016a. *First Year Focused Survey for Delhi Sands Giant Flower-loving Fly (Rhaphiomidas terminatus abdominalis) on Portions of the Riverside Transmission Reliability Project, Riverside County, California*. Submitted to USFWS, Carlsbad, November 2016.
- . 2016b. *Focused Survey for the Delhi Sands Flower-loving Fly on the I-10 Corridor Project, San Bernardino County, California*. Prepared for San Bernardino Associated Governments. Submitted to the U.S. Fish and Wildlife Service, CA.
- Osborne, K. and G. Ballmer. Personal Communication, 2007, as cited in USFWS 2008.
- Palenscar, K. 2014. *Compsopogon coeruleus in the Santa Ana River*. PowerPoint presentation provided at Santa Ana Sucker Conservation Team Meeting. May 15. Available: <http://www.sawpa.org/collaboration/projects/santa-ana-sucker-conservationteam/>. Accessed: July 16, 2014.

- Paramo, M., R. Zembel, B. Johnson, and T. Barbee. 2013. *Habitat Variability of the Santa Ana Sucker, Catostomus Santaanae, in Correlation with Distribution along the Santa Ana River from RIX Facility to the Prado Basin*. Draft Report. Submitted to Santa Ana Water Project Authority. December. Available: <http://www.sawpa.org/wp-content/uploads/2012/05/DRAFT-Sucker-Report.pdf>. Accessed: July 15, 2014.
- Paxton, E. H. 2000. *Molecular Genetic Structuring and Demographic History of the Willow Flycatcher (Empidonax traillii)*. Master's Thesis. Northern Arizona University, Flagstaff. May 2000. 42 pp.
- Paxton, E. H., M. K. Sogge, S. L. Durst, T. C. Theimer, and J. R. Hatten, 2007. *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.
- Pike, Jim. Email dated May 29, 2014, and also posted to InlandCountyBirds Yahoo message board.
- Pisces. 2014. *Rhinichthys osculus Subspecies*. University of California Davis, Center for Watershed Sciences. Available: <http://pisces.ucdavis.edu/content/rhinichthys-osculus-subspecies-2>. Accessed: July 21, 2014.
- Poff, N. LeRoy, Brian P. Bledsoe, and Christopher O. Cuhacian. 2006. Hydrologic Variation with Land Use Across the Contiguous United States: Geomorphic and Ecological Consequences for Stream Ecosystems. *Geomorphology* 79(3-4):264–285.
- Poulin, Ray, L. D. Todd, E. A. Haug, B. A. Millsap, and M. S. Martell. 2011. Burrowing owl (*Athene cunicularia*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca, Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/061>.
- Preston, K. and D. Kamada. 2012. *Nature Reserve of Orange County: Monitoring Coastal Cactus Wren Reproduction, Dispersal and Survival, 2009–2011*. California Department of Fish and Wildlife. San Diego, CA.
- Preston, Kris, and Barbara Kus. 2015. *Coastal California Gnatcatcher Proposed Regional Monitoring Sampling Design*. July.
- Price, M. V. 1978. The Role of Microhabitat in Structuring Desert Rodent Communities. *Ecology* 59:910–912.
- Ramirez, R. S., Jr. 2000. *Arroyo Toad (Bufo californicus) Radio Telemetry Study, Little Rock Creek; Los Angeles County, California*. Prepared for the USDA Forest Service, Angeles National Forest. March.
- . 2002a. *Arroyo Toad (Bufo californicus) Radio Telemetry Study, Little Rock Creek. Final Report*. Prepared for USDA Forest Service, Angeles National Forest.
- . 2002b. *Arroyo Toad (Bufo californicus) Radio Telemetry and Pitfall Trapping Studies, Little Horsethief Canyon, Summit Valley Ranch, San Bernardino Co. Final Report to California Department of Transportation*. Carlsbad, California: Cadre Environmental.
- . 2002c. *Arroyo Toad (Bufo californicus) Radio Telemetry Study, San Juan Creek, Orange/Riverside Counties, California. Interim Report 1 to the Cleveland National Forest. Carlsbad, California*. Cadre Environmental.

- . 2003. *Arroyo Toad (Bufo californicus) Hydrogeomorphic Habitat Baseline Analysis/Radio Telemetry Study – Rancho Las Flores San Bernardino County, California*. Final report to Rancho Las Flores Limited Partnership. Carlsbad, California: Cadre Environmental.
- Randall, J. A. 1993. Behavioural Adaptations of Desert Rodents (Heteromyidae). *Animal Behaviour* 45:263–287.
- Randall, J. A. 1991. Sandbathing to Establish Familiarity in the Merriam's Kangaroo Rat, *Dipodomys merriami*. *Animal Behaviour* 41:267–275.
- Randall, J. A. 1993. Behavioural Adaptations of Desert Rodents (Heteromyidae). *Animal Behaviour* 45:263–287.
- Reese, D. A., and H. H. Welsh. 1997. Use of Terrestrial Habitat by Western Pond Turtles, *Clemmys marmorata*: Implications for Management. *Proceedings: Conservation, Restoration, and Management of Turtles and Tortoises. An International Conference*, pp. 352–357. New York Turtle and Tortoise Society.
- Reichman, O. J., and M. V. Price. 1993. Ecological Aspects of Heteromyid Foraging. Pages 539–574 in H. H. Genoways and J. H. Brown (eds.), *Biology of the Heteromyidae*. Special Publication No. 10, American Society of Mammologists.
- Reilly, T. E., and A. W. Harbaugh. 2004. *Guidelines for Evaluating Ground-water Flow Models*. U.S. Geological Survey Scientific Investigations Report 2004-5038, 30 p.
- Reveal, J. L. 2005. Dodecahema. Page 474 in Flora of North America Editorial Committee (eds.), *Flora of North America North of Mexico, Vol. 5: Magnoliophyta: Caryophyllidae, part 2*. Oxford University Press: New York and Oxford.
- Richmond, J. Q., A. R. Backlin, C. Galst-Cavalcante, J. W. O'Brien and R. N. Fisher. 2017. Loss of Dendritic Connectivity in Southern California's Urban Riverscale Facilitates Decline of an Endemic Freshwater Fish. *Molecular Ecology* 2017:1–18.
- RMC Water and Environment. 2015. *Upper Santa Ana River Watershed Integrated Regional Water Management Plan*. January.
- Rodríguez-Robles, Javier A., Christopher J. Bell, and Harry W. Greene. "1999. Food Habits of the Glossy Snake, *Arizona elegans*, with Comparisons to the Diet of Sympatric Long-nosed Snakes, *Rhinocheilus lecontei*." *Journal of Herpetology* (1999): :87--92. Rogers, R., and M. Mattoni. 1993. Observations on the Natural History and Conservation Biology of the Giant Flower-Loving Flies, *Rhaphiomidas* (Diptera: Apioceridae). *Dipterological Research* 4(1-2):21–34.
- Rohde, M. M., B. Seapy, R. Rogers, and X. Catañeda, editors. 2019. *Critical Species LookBook: A Compendium of California's Threatened and Endangered Species for Sustainable Groundwater Management*. The Nature Conservancy, San Francisco, California.
- Russel, K. Comment submitted on draft species profile. August 26, 2014.
- San Bernardino County Museum. 2014. Cactus Wren unpublished observations.
- San Bernardino Valley Municipal Water District and Western Municipal Water District (SBVMWD). 2004. *Santa Ana River Water Right Applications for Supplemental Water Supply Draft Environmental Impact Report Appendix A: Surface Water Hydrology*. October.

- Santa Ana Regional Water Quality Control Board (Santa Ana RWQCB). 2008. *Santa Ana Region Basin Plan*. Available: http://waterboards.ca.gov/santaana/water_issues/programs/basin_plan/. Accessed: May 30, 2017.
- Santa Ana River Watermaster (Watermaster). 2018. *Forty-Seventh Annual Report of the Santa Ana River Watermaster for Water Year October 1, 2016 – September 30, 2017*. April 30, Santa Ana River Watermaster for *Orange County Water District v. City of Chino, et. al. Case No. 117628 – County of Orange*.
- Santa Ana Watershed Association (SAWA). 2019. *Status and Management of the Least Bell's Vireo and Southwestern Willow Flycatcher in the Santa Ana River Watershed, 2019, and Summary Data by Site and Watershed-wide, 2000-2019*. Prepared for U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, San Bernardino Valley Municipal Water District, Orange County Water District.
- Schmidt, L. J. and J. P. Potyondy (2004). *Quantifying Channel Maintenance Instream Flows: An Approach for Gravel-Bed Streams in the Western United States*. Fort Collins, CO: 33.
- Schoville, S. D., T. S. Tustall, V. T. Vrandenberg, A. R. Backlin, E. Gallegos, D. A. Wood, and R. N. Fisher. 2011. Conservation Genetics of Evolutionary Linkages of the Endangered Mountain Yellow-Legged Frog, *Rana muscosa* (Amphibia, Ranidae) in Southern California. *Biological Conservation* 144:2031–2040.
- Sheir, D. pers. comm. October 29, 2018.
- Shier, D. M., A. Navarro, E. Gray, and T. Wang. 2018. *Range-wide Genetics of the Endangered San Bernardino Kangaroo Rat (Dipodomys merriami parvus)*. Final Report for the period September 2014–September 2018, Federal Permit Number TE-142435-5; State SC002508.
- Shier, Debra M., Rachel Y. Chock, and Sarah McCullough-Hennessy. 2019. *Landscape and Microhabitat Suitability Models for the San Bernardino Kangaroo Rat (Dipodomys Merriami Parvus)*. Escondido, CA: San Diego Zoo Institute for Conservation Research, Recovery Ecology, Zoological Society of San Diego.
- Shuford, W. D., and T. Gardali, editors. 2008. *California Bird Species of Special Concern: A Ranked Assessment of Species, Subspecies, and Distinct Populations of Birds of Immediate Conservation Concern in California*. Studies of Western Birds 1. Western Field Ornithologists, Camarillo, California, and California Department of Fish and Game, Sacramento.
- Simons, Andrew M., and Richard L. Mayden. 1998. Phylogenetic Relationships of the Western North American Phoxinins (Actinopterygii: Cyprinidae) as Inferred from Mitochondrial 12S and 16S Ribosomal RNA Sequences. *Molecular Phylogenetics and Evolution* 9(2):308–329.
- Simons, L. S., and T. E. Martin. 1990. Food Limitation of Avian Reproduction: An Experiment with the Cactus Wren. *Ecology* 71:869–876.
- Smith, R. L. 1980. Alluvial Scrub Vegetation of the San Gabriel River Floodplain, California. *Madrono* 27:126–138.
- Smith, B. W., and J. R. Belthoff. 2001. Burrowing Owls and Development: Short-Distance Best Burrow Relocation to Minimize Construction Impacts. *Journal of Raptor Research* 35(4):385–391.
- 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, 38 p.

- Soil Science Society of America. 2017. *Soil Types*. Available: <https://www.soils.org/discover-soils/soil-basics/soil-types>. Accessed: May 30, 2017.
- Solek, C. and L. Szijj. 2004. Cactus Wren (*Campylorhynchus brunneicapillus*). In *The Coastal Scrub and Chaparral Bird Conservation Plan: a Strategy for Protecting and Managing Coastal Scrub and Chaparral Habitats and Associated Birds in California*. California Partners in Flight. Available: <http://www.prbo.org/calpif/htmldocs/scrub.html>.
- Southern California Association of Governments (SCAG). 2005. Existing Land Use GIS Database.
- . 2017a. *Local Profiles Report: Profile of the Unincorporated Area of San Bernardino County*. Available: <https://www.scag.ca.gov/Documents/UnIncAreaSanBernardinoCounty.pdf>. Accessed: April 17, 2019.
- . 2017b. *Local Profiles Report: Profile of the Unincorporated Area of Riverside County*. Available: <https://www.scag.ca.gov/Documents/UnIncAreaRiversideCounty.pdf>. Accessed: April 17, 2019.
- Spinks, P. Q. and H. B. Schaffer. 2005. Range-wide Molecular Analysis of the Western Pond Turtle (*Emys marmorata*): Cryptic Variation, Isolation by Distance, and Their Conservation Implications. *Molecular Ecology* 14:2047–2064.
- Spinks, P. Q., R. C. Thomson, and H. B. Bradley. 2010. Nuclear Gene Phylogeography Reveals the Historical Legacy of an Ancient Inland Sea on Lineages of the Western Pond Turtle, *Emys marmorata* in California. *Molecular Ecology* 19:542–556.
- Spinks, P. Q., R. C. Thomson, and H. B. Shaffer. 2014. The Advantages of Going Large: Genome-wide SNPs Clarify the Complex Population History and Systematics of the Threatened Western Pond Turtle. *Molecular Ecology* 23:2228–2241.
- Spinks P. Q., R. C. Thomson, E. McCartney-Melstad, and H. B. Shaffer. 2016. Phylogeny and Temporal Clarify the Complex Population History and Systematics of the Threatened Western Pond Turtle. *Molecular Ecology* 23(9):2228–2241.
- State of California. 2007. Southern California Wetlands Inventory. Available: http://resources.ca.gov/wetlands/geo_info/so_cal.html. Accessed: May 30, 2017.
- Stebbins, R. C. 2003. *A Field Guide to Western Reptiles and Amphibians*. Third Edition. Houghton Mifflin Company. Boston and New York.
- Stephenson, J. R., and G. M. Calcarone. 1999. *Southern California Mountains and Foothills Assessment: Habitat and Species Conservation Issues*. Albany, California: U.S. Department of Agriculture, Forest Service, Pacific Southwest Research Station. General Technical Report GTR-PSW-172. Available: http://gis.fs.fed.us/psw/publications/documents/psw_gtr172/.
- Surian, N., M. Barban, L. Ziliani, G. Monegato, W. Bertoldi, and F. Comiti. 2014. Vegetation Turnover in a Braided River: Frequency and Effectiveness of Floods of Different Magnitude. *Earth Surface Processes and Landforms* 40(4):542–558.
- Sweet, S. S. 1992. *Initial Report on the Ecology and Status of the Arroyo Toad (Bufo microscaphus californicus) on the Los Padres National Forest of Southern California, with Management Recommendations*. Report to U.S. Department of Agriculture, Forest Service, Los Padres National Forest, Goleta, California.

- . 1993. *Second Report on the Biology and Status of the Arroyo Toad (Bufo microscaphus californicus) on the Los Padres National Forest of Southern California*. Contract report to U.S. Department of Agriculture, Forest Service, Los Padres National Forest, Goleta, California.
- Swift, C. C., T.R. Haglund, M. Ruiz, and R. N. Fisher. 1993. The Status and Distribution of the Freshwater Fishes of Southern California. *Bull. Southern California Acad. Sci.* 92(3):101–167.
- Teutimez, M. R. 2012. *The Cactus Wren (Campylorhynchus brunneicapillus) in Southern California: Haplotype Comparisons Among Coastal and Inland Populations*. Master's thesis, California State University-Long Beach.
- Thompson, A., J. Baskin, C. C. Swift, T. Haglund, and R. Nagel. 2010. Influence of Substrate Dynamics on the Distribution and Abundance of the Federally Threatened Santa Ana Sucker, *Catostomus santaanae*, in the Santa Ana River. *Environmental Biology of Fishes* 87:321–332.
- Thomson, R. C., A. N. Wright, and H. B. Shaffer. 2016. *California Amphibian and Reptile Species of Special Concern*. University of California Press.
- University of California Davis (UC Davis). 2020. *Tricolored Blackbird Portal*. Davis Information Center for the Environment (ICE). Available: <http://tricolor.ice.ucdavis.edu/>.
- University of Idaho. 2017. *The Twelve Soil Orders – Alfisols*. College of Agricultural and Life Sciences. Soil and Land Resources Division. Available: <http://www.cals.uidaho.edu/soilorders/alfisols.htm>. Accessed: May 30, 2017.
- U.S. Army Corps of Engineers (USACE). 2000. *Final Biological Assessment: Seven Oaks Dam, Santa Ana River Mainstem Project, San Bernardino County, California*.
- . 2015. *Final Supplemental Environmental Assessment and Environmental Impact Report Addendum for the Santa Ana River Mainstem Project: Reach 9 Phases 4, 5A, 5B, & BNSF Bridge*. July.
- U.S. Census Bureau (USCB). 2010. *QuickFacts*. Available: <https://www.census.gov/quickfacts/table/PST045216/00>. Accessed: May 30, 2017.
- . 2017. *American Fact Finder*. Available: <https://factfinder.census.gov/faces/tableservices/jsf/pages/productview.xhtml?src=bkmk>. Accessed: May 9, 2019.
- U.S. Climate Data. 2017a. Climate Data for San Bernardino County California. Available: <http://www.usclimatedata.com/climate/san-bernardino/california/united-states/usca0978>. Accessed: May 30, 2017.
- . 2017b. Climate Data for Riverside County California. Available: <http://www.usclimatedata.com/climate/riverside/california/united-states/usca1695>. Accessed: May 30, 2017.
- U.S. Department of the Interior (DOI). 1999. *Western Pond Turtle: Clemmys marmorata*. Bureau of Land Management. Available: http://www.blm.gov/ca/pdfs/cdd_pdfs/clemmys1.PDF.
- U.S. Fish and Wildlife Service (USFWS). 1994. 59 FR 64589–64867. *Final rule: Endangered and Threatened Wildlife and Plants; Determination of Endangered Status for the Arroyo Southwestern Toad*. December 16. Available: http://ecos.fws.gov/docs/federal_register/fr2750.pdf.

- . 1995. 60 FR 10694-10715. *Endangered and Threatened Wildlife and Plants; Final Rule Determining Endangered Status for the Southwestern Willow Flycatcher*.
- . 1997. *Delhi Sands Flower-loving Fly (Rhaphiomidas terminatus abdominalis) Recovery Plan*.
- . 1998. *Draft Recovery Plan for the Least Bell's Vireo*. U.S. Fish and Wildlife Service, Portland, OR. 139 pp.
- . 1999. *Arroyo Southwestern Toad (Bufo microscaphus californicus) Recovery Plan*. Portland, Oregon. July 24. Available: http://ecos.fws.gov/docs/recovery_plan/990724.pdf.
- . 2002. *Southwestern Willow Flycatcher Recovery Plan*. Albuquerque, New Mexico
- . 2005. 70 FR 19562-19633. *Final Rule: Endangered and Threatened Wildlife and Plants; Final Designation of Critical Habitat for the Arroyo Toad (Bufo californicus)*. April 13. Available: http://ecos.fws.gov/docs/federal_register/fr4405.pdf.
- . 2006. 78 FR 24516-24574. *Proposed Rule: Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for the Sierra Nevada Yellow-Legged Frog, the Southern California distinct Population Segment of the Mountain Yellow-Legged Frog (Rana muscosa)*. September 14. Available: ecos.fws.gov/docs/federal_register/fr5137.pdf.
- . 2007. 72 FR 72010-72213. *Final Rule: Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Coastal California Gnatcatcher (Polioptila californica californica)*. December 19. Available: <http://www.gpo.gov/fdsys/pkg/FR-2007-12-19/pdf/07-6003.pdf#page=1>.
- . 2008. *Delhi Sands Flower-loving Fly (Rhaphiomidas terminatus abdominalis) 5-Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, California.
- . 2009a. 74 FR 65056. *Proposed Rule: Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Santa Ana Sucker (Catostomus santaanae)*.
- . 2009b. *Arroyo Southwestern Toad (Bufo californicus (=microscaphus)) 5-Year Review: Summary and Evaluation*. Ventura, California. August. Available: http://ecos.fws.gov/docs/five_year_review/doc2592.pdf.
- . 2009c. *San Bernardino Kangaroo Rat (Dipodomys merriami parvus), 5-Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, August 14.
- . 2010a. *Dodecahema leptoceras (slender-horned spineflower) 5-Year Review: Summary and Evaluation*.
- . 2010b. *Eriastrum densiflorum ssp. sanctorum (Santa Ana River Woolly-star) 5-Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, CA
- . 2010c. 75 FR 77962. *Final Rule: Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Santa Ana Sucker (Catostomus santaanae)*.
- . 2010d. *Coastal California Gnatcatcher (Polioptila californica californica) 5-year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, California. September 29.

- . 2010e. *Pacific Pocket Mouse (Perognathus longimembris pacificus) 5-Year Review: Summary and Evaluation*. U.S. Fish and Wildlife Service Carlsbad Fish and Wildlife Office Carlsbad, California.
- . 2011. *Santa Ana Sucker (Catostomus santaanae) 5-Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, CA. March 10.
- . 2012. *Mountain Yellow-Legged Frog (Rana muscosa) Southern California Distinct Population Segment. 5 Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office. Carlsbad, California.
- . 2013. *Endangered and Threatened Wildlife and Plants; Designation of Critical Habitat for Southwestern Willow Flycatcher*. 78 FR 344-534.
- . 2014. ArcGIS online layer name: Coastal California gnatcatcher Carlsbad FW0. Carlsbad Fish and Wildlife Office. January. Available: <http://icfeandp.maps.arcgis.com/home/webmap/viewer.html?webmap=30ca68f9ddac46cea549a8d308db89c4>.
- . 2017a. *National Wetlands Inventory*. Available: <https://www.fws.gov/wetlands/Data/Data-Download.html>. Accessed: May 30, 2017.
- . 2017b. *Recovery Plan for the Santa Ana Sucker (Catostomus santaanae)*. Region 8, Sacramento Fish and Wildlife Office, Sacramento, CA. February 28, 2017.
- . 2018. *Lytle Creek Consultation Briefing 2018-821*.
- U.S. Forest Service (USFS). 2014. *Vegetation Classification and Mapping. Pacific Southwest Region – Remote Sensing Lab*. U.S. Department of Agriculture. Available: <https://www.fs.usda.gov/detail/r5/landmanagement/resourcemanagement/?cid=stelprdb5347192>. Accessed: May 30, 2017.
- . 2018. *Endangered Frogs Reintroduced in San Bernardino National Forest*. Available: <https://www.fs.usda.gov/detail/sbnf/news-events/?cid=FSEPRD584495>. Accessed: July 25, 2019.
- U.S. Geological Survey (USGS). 2007. Preliminary Integrated Geologic Map Databases for the United States. Western States: California, Nevada, Arizona, Washington, Oregon, Idaho, and Utah. Version 1.3. Updated December 2007. Open-File Report (2005-1305). Available: <https://pubs.usgs.gov/of/2005/1305/#CA>. Accessed: May 30, 2017.
- . 2009. *Ground-Water Quality Data in the Upper Santa Ana Watershed Study Unit, November 2006–March 2007: Results from the California GAMA Program*. Data Series 404.
- . 2016. *California Water Science Center - Santa Ana Basin, National Water Quality Assessment Program – Study Unit Description*. Available: https://ca.water.usgs.gov/projects/sana_nawqa/env_set.html. Accessed: May 9, 2017.
- U.S. National Vegetation Classification (USNVC). 2016. United States National Vegetation Classification Database, V2.0. Federal Geographic Data Committee, Vegetation Subcommittee, Washington D.C. Available: <http://usnvc.org/explore-classification/>. Accessed: May 17, 2017.

- Vredenburg, V. T., R. Bingham, R. Knapp, J. A. T. Morgan, C. Moritz, and D. Wake. 2007. Concordant Molecular and Phenotypic Data Delineate New Taxonomy and Conservation Priorities for the Endangered Mountain Yellow-Legged Frog. *Journal of Zoology* 217:361–374.
- Wang, T., and D. M. Shier. 2017. *Effects of Anthropogenic Lighting on San Bernardino Kangaroo Rat (Dipodomys merriami parvus) Foraging Behavior, Persistence and fitness*. Final Report to USFWS.
- Western Regional Climate Center (WRCC). No Date. San Bernardino F S 226, California (047723) Period of Record Monthly Climate Summary. Available: <http://www.wrcc.dri.edu/cgi-bin/cliMAIN.pl?ca7723>. Accessed: May 9, 2017.
- Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). 2003. *Volume 2 – The MSHCP Reference Document*. Available: <http://rctlma.org/Portals/0/mshcp/volume2/fish.html>. Accessed: July 17, 2014.
- . 2011. *Delhi Sands Flower-loving Fly (Rhaphiomidas terminatus abdominalis) Survey Report*.
- . 2012a. *Arroyo Chub (Gila orcutti) Survey Report 2011. Biological Monitoring Program*. March 23. Available: <http://www.wrc-rca.org/library.asp#id187>. Accessed: July 17, 2014.
- . 2012b. *Biological Monitoring Program. Tricolored Blackbird (Agelaius tricolor) Survey Report, 2011*.
- Wildermuth Environmental Inc. 2009. *2008 Santa Ana River Wasteload Allocation Model Report*. Prepared for Basin Monitoring Program Task Force.
- . 2015. *Addendum to the 2008 Santa Ana River Wasteload Allocation Model Report: Scenario 8*. Prepared for Basin Monitoring Program Task Force.
- . 2017. *Transmittal of Project Files for Wasteload Allocation Model Update Incorporating 2013 RMPU Projects*. Prepared for Chino Basin Watermaster and the Inland Empire Utilities Agency (IEUA).
- Wilkerson, R. L., and R. B. Siegel. 2010. Assessing Changes in the Distribution and Abundance of Burrowing Owls in California, 1993-2007. *Bird Populations* 10:1–36.
- Williams, D. F. 1986. *Mammalian Species of Special Concern in California*. Wildlife Management Division Administrative Report 86-1. Prepared for The Resources Agency, California Department of Fish and Game.
- Wright, S. A., and J. T. Minear. 2019. *Field-scale Sediment Feed Flume: Upper Santa Ana River, California*. Proceedings of the Joint Federal Interagency Conferences on Sedimentation and Hydrologic Modeling, Reno, NV, June 24–28, 2019.
- Wulff, M. L., L. R. Brown, J. T. May, and E. Gusto. 2020. *Native Fish Population and Habitat Study, Santa Ana and San Gabriel Rivers, California, 2018*. U.S. Geological Survey data release. Available: <https://doi.org/10.5066/P9FTPCMO>.
- Zeiner, D. C., W. F. Laudenslayer, Jr., K. E. Mayer, and M. White. 1990. *California Wildlife. Vol. I–III*. California Statewide Wildlife Habitat Relationships System. Department of Fish and Game, Sacramento, California.

Zeng, Z., and J. H. Brown. 1987. Population Ecology of a Desert Rodent: *Dipodomys merriami* in the Chihuahuan Desert. *Ecology* 68:1328–1340.

Zheng, Chunmiao, Mary Hill, Guoliang Cao, and Rui Ma. 2012. MT3DMS: Model Use, Calibration, and Validation. *Transactions of the ASABE* 55:1549–1559. 10.13031/2013.42263.

11.4 Chapter 4

Aspen Environmental Group. 2017. *Evapotranspiration Estimates for the Upper Santa Ana River Integrated Model*. Project Memorandum. December 7.

Atwood, J. L. 1993. California Gnatcatchers and Coastal Sage Scrub: The Biological Basis for Endangered Species Listing. Pages 149–169 in J. E. Keeley (ed.), *Interface Between Ecology and Land Development in California*. Southern Calif. Acad. Sci., Los Angeles.

Atwood, Jonathan L. and David R. Bontrager. 2001. California Gnatcatcher (*Poliophtila californica*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/574>.

Beedy, Edward C., and William J. Hamilton, III. 1997. *Tricolored Blackbird Status Update and Management Guidelines*. Prepared for U.S. Fish & Wildlife Service, Migratory Birds and Habitat Program, Portland, OR, and California Department of Fish and Wildlife, Bird and Mammal Conservation Program. Sacramento.

———. 1999. Tricolored Blackbird (*Agelaius tricolor*). In A. Poole (ed.), *The Birds of North America Online*. Ithaca: Cornell Lab of Ornithology. Available: <http://bna.birds.cornell.edu/bna/species/423>.

Bertoldi, W., M. Tubino, and L. Zanoni. 2010. Assessment of Morphological Changes Induced by Flow and Flood Pulses in a Gravel Bed Braided River: The Tagliamento River (Italy). *Geomorphology* 114(3):348–360.

Bolster, B. C., editor. 1998. *Terrestrial Mammal Species of Special Concern in California*. Los Angeles Pocket Mouse *Perognathus longimembris brevinasus*. Draft Final Report prepared by P.V. Brylski. Report submitted to California Department of Fish and Wildlife - Wildlife Management Division, Nongame Bird and Mammal Conservation Program. Pages 111–112.

Brown, Larry R., and Jason T. May. 2016. *Native Fish Population and Habitat Study, Santa Ana River, California: Annual Report, July 2015 to June 2016*. U.S. Geological Survey California Water Science Center.

California Consortium of Herbaria (CCH). 2014. Data provided by the participants of the Consortium of California Herbaria. Regents of the University of California, Berkeley, CA.

California Department of Fish and Game (CDFG). 2014. Upper Santa Ana River Habitat Conservation Plan Species Occurrence Database. California Natural Diversity Database. Sacramento, California. Updated September 2014.

California Department of Fish and Wildlife (CDFW). 2015. *Report to the Fish and Game Commission: Evaluation of the petition from the Center for Biological Diversity to List Tricolored Blackbird (*Agelaius tricolor*) as Endangered Under the California Endangered Species Act*. Available: http://www.fgc.ca.gov/CESA/tcbb_dfw_eval.pdf. Accessed: June 14, 2018.

- . No Date. *Arroyo Chub Final*. Available:
<https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=104270>. Accessed: August 27, 2020.
- CaliforniaHerps. 2014. *A Guide to the Amphibians and Reptiles of California: Western Spadefoot – Spea hammondii*. Available: <http://www.californiaherps.com/frogs/pages/s.hammondii.html>. Accessed: May 15, 2018.
- California Native Plant Society (CNPS), Rare Plant Program. 2014. *Inventory of Rare and Endangered Plants* (online edition, v8-02). California Native Plant Society, Sacramento, CA. Available: <http://www.rareplants.cnps.org>. Accessed: July 6, 2014.
- Dudek & Associates. 2003a. *Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). Volume II-B, Species Accounts: Birds*.
http://rctlma.org/Portals/0/mshcp/volume2/birds.html#TOC1_43.
- . 2003b. *Western Riverside County Multiple Species Habitat Conservation Plan. Volume II-B Species Accounts: Mammals*.
- Eckerle, Kevin P. and Charles F. Thompson. 2001. Yellow-breasted Chat (*Icteria virens*). In A. Poole (ed.), *The Birds of North America Online*. Available:
<http://bna.birds.cornell.edu/bna/species/575>.
- Ellis, L. A., D. M. Weddle, S. D. Stump, H. C. English, and A. E. Graber. 2008. *Southwestern Willow Flycatcher Final Survey and Monitoring Report*. Arizona Game and Fish Department, Research Technical Guidance Bulletin #10, Phoenix, Arizona, USA.
- Franzreb, K. E. 1989. Ecology and Conservation of the Endangered Least Bell's Vireo. U.S. Fish Wildlife Service. *Biol. Rep.* 89(1).
- Geoscience Support Services, Inc. (Geoscience). 2019. *Upper Santa Ana River Integrated Model Technical Memorandum No. 5a: Predictive Scenario Results – Part 1*. Draft. Prepared for San Bernardino Valley Municipal Water District. January 31, 2019.
- Gervais, J. A., D. K. Rosenberg, and L. A. Comrack. 2008. Burrowing Owl (*Athene cunicularia*). In *California Bird Species of Special Concern: A Ranked Assessment of Species, Subspecies, and Distinct Populations of Birds of Immediate Conservation Concern in California*. Studies of Western Birds 1. W. D. Shufford and T. Gardali, editors. Western Field of Ornithologists, Camarillo, California and California Department of Fish and Game, Sacramento.
- Greenfield, D. W. and G. D. Deckert. 1973. Introgressive Hybridization Between Gila Orcutti and Hesperoleucus Symmetricus (Pisces: Cyprinidae) in the Cuyama River Basin, California: II. Ecological aspects. *Copeia*: 417–427.
- Hamilton, R. A., G. A. Proudfoot, D. A. Sherry, and S. Johnson. 2011. Cactus Wren (*Campylorhynchus brunneicapillus*). In A. Poole (ed.), *The Birds of North America Online*. Available:
<http://bna.birds.cornell.edu/bna/species/558>
- Hughes, J. M. 1999. Yellow-billed Cuckoo (*Coccyzus americanus*). In A. Poole (ed.), *The Birds of North America Online*. Available: <http://bna.birds.cornell.edu/bna/species/418>.
- ICF International. 2014. Upper Santa Ana River Habitat Conservation Plan Species Occurrence Database. Updated September 2014.

- ICF. 2019a. *Phase 1 High-Flow Study for Seven Oaks Dam*. Prepared for Center for Biological Diversity; Endangered Habitats League; San Bernardino Valley Municipal Water District; and San Bernardino Valley Water Conservation District. Final March 2019. 270 pp.
- ICF. 2019b. *High-Flow Study for Seven Oaks Dam: Phase 2 Report*. Prepared for Center for Biological Diversity; Endangered Habitats League; San Bernardino Valley Municipal Water District; and San Bernardino Valley Water Conservation District. July 2019. 306 pp.
- Jennings, M. R., and M. P. Hayes. 1994. *Amphibian and Reptile Species of Special Concern in California*. California Department of Fish and Game, Inland Fisheries Department. Rancho Cordova, California.
- Jones, W. T. 1989. Dispersal Distance and the Range of Nightly Movements in Merriam's Kangaroo Rats. *Journal of Mammalogy* 70:27–34.
- Klute, D. S., A. W. Ayers, M. T. Green, W. H. Howe, S. L. Jones, J. A. Shaffer, S. R. Sheffield, and T. S. Zimmerman. 2003. *Status Assessment and Conservation Plan for the Western Burrowing Owl in the United States*. U.S. Department of the Interior, Fish and Wildlife Service, Biological Technical Publication FWS/BTP-R6001-2003, Washington, D.C., USA.
- Kus, B. 1998. Use of Restored Riparian Habitat by the Endangered Least Bell's Vireo (*Vireo bellii pusillus*). *Restoration Ecology* 6(1):75–82.
- Laymon, S. A. 1998. *Yellow-Billed Cuckoo*. Available: http://www.prbo.org/calpif/htmldocs/species/riparian/yellow-billed_cuckoo.htm.
- Maddock, Thomas, III, K. J. Baird, R. T. Hanson, Wolfgang Schmid, and Hoori Ajami. 2012. *RIP-ET: A Riparian Evapotranspiration Package for MODFLOW-2005*. U.S. Geological Survey Techniques and Methods 6-A39, 76 p.
- Meese, R. J. Department of Environmental Science & Policy University of California. Davis, California. July 31, 2020—E-mail communication with Rebecca Payne, ICF.
- Meese, R. J., and Beedy, E. C. 2015. Managing Nesting and Foraging Habitats to Benefit Breeding Tricolored Blackbirds. *CVBC Bulletin* 17(2–4):79–96. Available: <http://www.cvbirds.org/wp-content/uploads/2016/09/Managing-Breeding-Habitats-for-Tricolored-Blackbirds-Guidelines-to-Benefit-California%E2%80%99s-Blackbird-.pdf>.
- Myers, Steven J. No Date. *Yellow-Breasted Chat*. Tierra Madre Consultants, Inc., 1159 Iowa Avenue, Suite D, Riverside, CA. Available: http://www.blm.gov/ca/pdfs/cdd_pdfs/Ybch1.pdf.
- Osborne, K. H. 2018. *Habitat Conditions for Delhi Sands Flower-loving Fly on a Series of 42 Sites for the IEUA, San Bernardino County, CA*. Osborne Biological Consulting. April 24, 2018 Memo.
- Pisces. 2014. Santa Ana Speckled Dace Range. Species presence dataset generated on October 30, 2014.
- Preston, K., and D. Kamada. 2012. *Nature Reserve of Orange County: Monitoring Coastal Cactus Wren Reproduction, Dispersal and Survival, 2009-2011*. California Department of Fish and Wildlife. San Diego, CA.

- Rohde, M.M., B. Seapy, R. Rogers, and X. Catañeda, editors. 2019. *Critical Species LookBook: A Compendium of California's Threatened and Endangered Species for Sustainable Groundwater Management*. The Nature Conservancy, San Francisco, California.
- Russel, K. Comment submitted on draft species profile. August 26, 2014.
- Russell, K.. Riverside-Corona Resource Conservation District. Email correspondence with Scott Fleury, ICF. August 28, 2019.
- San Bernardino County Museum. 2014. Cactus Wren unpublished observations.
- San Diego State University (SDSU). 2013. *Monitoring and Adaptive Management of Burrowing Owl on Conserved Lands in Southern San Diego County, Task C for 2013: Fall Burrow Surveys*. Available: https://sdmmp.com/upload/projects/20160330_2357_128.pdf. Accessed: June 14, 2018.
- Santa Ana Watershed Association (SAWA). 2019. *Status and Management of the Least Bell's Vireo and Southwestern Willow Flycatcher in the Santa Ana River Watershed, 2019, and Summary Data by Site and Watershed-wide, 2000-2019*. Prepared for U.S. Fish and Wildlife Service, U.S. Army Corps of Engineers, San Bernardino Valley Municipal Water District, Orange County Water District.
- Shuford, W. D., and T. Gardali, editors. 2008. *California Bird Species of Special Concern: A Ranked Assessment of Species, Subspecies, and Distinct Populations of Birds of Immediate Conservation Concern in California. Studies of Western Birds 1*. Western Field Ornithologists, Camarillo, California, and California Department of Fish and Game, Sacramento.
- 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*. 38 pp.
- Solek, C. and L. Szijj. 2004. Cactus Wren (*Campylorhynchus brunneicapillus*). In *The Coastal Scrub and Chaparral Bird Conservation Plan: a Strategy for Protecting and Managing Coastal Scrub and Chaparral Habitats and Associated Birds in California*. California Partners in Flight. Available: <http://www.prbo.org/calpif/htmldocs/scrub.html>.
- Stebbins, R. C. 2003. *A Field Guide to Western Reptiles and Amphibians*. Third Edition. Houghton Mifflin Company. Boston and New York.
- Thompson, R.C., A.N. Wright, and H.B. Shaffer. 2016. *California Amphibian and Reptile Species of Special Concern*. University of California Press.
- University of California, Davis. 2014. *Tricolored Blackbird Portal*. Available: <http://tricolor.ice.ucdavis.edu/>. Accessed: July 2014.
- . 2019. Unpublished data from the Tricolored Blackbird Portal, Jurupa Street Location.
- U.S. Department of the Interior (DOI). 1999. *Western Pond Turtle: Clemmys marmorata*. Bureau of Land Management. Available: http://www.blm.gov/ca/pdfs/cdd_pdfs/clemmys1.PDF.
- U.S. Fish and Wildlife Service (USFWS). 1995. *Endangered and Threatened Wildlife and Plants; Final Rule Determining Endangered Status for the Southwestern Willow Flycatcher*. 60 FR 10694-10715.
- . 1997. *Delhi Sand Flower-Loving Fly (Rhaphiomidas terminatus abdominalis) Recovery Plan*. Available: https://ecos.fws.gov/docs/recovery_plan/970914.pdf. Accessed: May 15, 2018.

- . 1998a. *Draft Recovery Plan for the Least Bell's Vireo*. Portland, Oregon.
- . 1998b. *Endangered and Threatened Wildlife and Plants: Final Rule to List the San Bernardino Kangaroo Rat as Endangered*.
- . 1999. *Arroyo Southwestern Toad (Bufo microscaphus californicus) Recovery Plan*. Portland, Oregon. July 24. Available: https://ecos.fws.gov/docs/recovery_plan/990724.pdf. Accessed: May 15, 2018.
- . 2006. *Least Bell's Vireo: 5-Year Review Summary and Evaluation*. Carlsbad, California.
- . 2008. *Delhi Sands Flower-Loving Fly 5-Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office. 30 p. Available: https://ecos.fws.gov/docs/five_year_review/doc1898.pdf. Accessed: May 15, 2018.
- . 2009a. *Arroyo Southwestern Toad (Bufo californicus (=microscaphus)) 5-Year Review: Summary and Evaluation*. Ventura, California. August. Available: http://ecos.fws.gov/docs/five_year_review/doc2592.pdf. Accessed: May 15, 2018.
- . 2009b. *San Bernardino Kangaroo Rat 5-Year Review: Summary and Evaluation*. Carlsbad Office, California.
- . 2010a. *Dodecahema leptoceras (slender-horned spineflower) 5-Year Review: Summary and Evaluation*.
- . 2010b. *Eriastrum densiflorum ssp. sanctorum (Santa Ana River Woolly-star) 5-Year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, CA.
- . 2010c. *Coastal California gnatcatcher (Polioptila californica californica) 5-year Review: Summary and Evaluation*. Carlsbad Fish and Wildlife Office, Carlsbad, California. September 29.
- . 2014. *Southwest Willow Flycatcher (Empidonax traillii extimus) 5-Year Review: Summary and Evaluation*. U.S. Fish and Wildlife Service Arizona Ecological Services, Phoenix, Arizona. August 15, 2014. Available: https://ecos.fws.gov/docs/five_year_review/doc4437.pdf. Accessed: May 15, 2018.
- . 2017. *Notice of 12-Month Petition Finding and 5-Year Review*. Available: https://ecos.fws.gov/docs/five_year_review/doc5763.pdf. Accessed: May 15, 2018.
- . 2020. *Revised Critical Habitat Proposed for Western Yellow-Billed Cuckoo*. Available: https://www.fws.gov/sacramento/outreach/2020/02-26/documents/Map_2020_Proposed_Critical_Habitat_wDPS_YB_Cuckoo.pdf. Accessed: August 25, 2020.
- Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). 2012. *Arroyo Chub (Gila orcutti) Survey Report 2011*. Biological Monitoring Program. March 23. Available: <http://www.wrc-rca.org/library.asp#id187>. Accessed: July 17, 2014.
- Wright, S. A., and J. T. Minear. 2019. Dam Effects on Bedload Transport on the Upper Santa Ana River, California, and Implications for Native Fish Habitat. *River Res Applic* 35:632–645. Available: <https://doi.org/10.1002/rra.3443>.

11.5 Chapter 5

- Atkinson, A. J., P. C. Trenham, R. N. Fisher, S. A. Hathaway, B. S. Johnson, S. G. Torres, and Y. C. Moore. 2004. *Designing Monitoring Programs in an Adaptive Management Context for Regional Multiple Species Conservation Plans*. U.S. Geological Survey Technical Report. USGS Western Ecological Research Center, Sacramento, CA.
- Baumberger, K. L., A. R. Backlin, J. P. Rose, D. R. Clark, B. J. Halstead, and R. N. Fisher. 2021. *Western Spadefoot (Spea hammondi) Surveys in California*. Draft Final, 2020. U.S. Geological Survey Western Ecological Research Center. Draft Unpublished Data.
- California Department of Fish and Game (CDFG). 2012. *Staff Report on Burrowing Owl Mitigation*. Available: file:///C:/Users/19086/Downloads/BUOW_MIT_StaffReport2012.pdf.
- California Department of Fish and Wildlife. 2018. *Protocols for Surveying and Evaluating Impacts to Special Status Native Plant Populations and Sensitive Natural Communities*.
- Deutschman, D. H., R. L. Lewison, E. Marnocha, P. McIntyre, S. Strahm, and C. Tredick. 2012. *Development of Reserve-Level Species and Habitat Monitoring Strategies: Workshops and Scientific Support for Monitoring in an Adaptive Management Context*. Final report for Natural Community Conservation Planning Program Local Assistance Grant #P0982020.
- Dudek. 2018. *Santa Ana Translocation Plan*. Prepared for: San Bernardino Valley Municipal Water District. August 2018. Available: https://static1.squarespace.com/static/53920f34e4b05366f07d971c/t/5bb666380d92971daf00501d/1538680674862/2018_SAS+Translocation+Plan.pdf. Accessed: October 29, 2019.
- Goldberg, C. S., D. S. Pilliod, R. S. Arkle, and L. P. Waits. 2011. Molecular Detection of Vertebrates In stream Water: A Demonstration of Using Rocky Mountain Tailed Frogs and Idaho Giant Salamanders. *PLoS One* 6:e22746.
- Halterman, M. D., M. J. Johnson, J. A. Holmes, and S. A. Laymon. 2016. *A Natural History Summary and Survey Protocol for the Western Distinct Population Segment of the Yellow-billed Cuckoo*. U.S. Fish and Wildlife Techniques and Methods, 45 pp.
- Hierl, L. A., J. Franklin, D. H. Deutschmann, and H. M. Regan. 2007. *Developing Conceptual Models to Improve the Biological Monitoring Plan for San Diego's Multiple Species Conservation Program*. Prepared for California Department of Fish and Game. Prepared by Department of Biology, San Diego State University.
- ICF International. 2015. *Site Characteristics and Preliminary Design of Santa Ana River Tributary Restoration Projects*. Prepared for the San Bernardino Valley Municipal Water District. November.
- ICF. 2018. *Opportunities and Constraints for Tributary Restoration Sites - Early Implementation Activities: Upper Santa Ana River Habitat Conservation Plan*. Prepared for the San Bernardino Valley Municipal Water District. June.
- . 2019. *High-Flow Study Phase 2 Report*. Final. August. (ICF00190.16.) San Diego. Prepared for CBD/EHL/SBVMWD/SBVWCD, California.

- Lewison, R. L., and D. H. Deutschman. 2014. *Framework Management Plan: Guidelines for Best Practices with Examples of Effective Monitoring and Management*. Prepared for San Diego Association of Governments (SANDAG). Contract 5001562. Prepared by Department of Biology and Institute for Ecological Monitoring and Management, San Diego State University.
- Richmond, J. A. Backlin, C. Galst-Cavalcante, J. O'Brien, and R. Fisher. 2017. Loss of Dendritic Connectivity in Southern California's Urban Riverscape Facilitates Decline of an Endemic Freshwater Fish. *Journal of Molecular Ecology*.
- Rohde, M. M., B. Seapy, R. Rogers, and X. Catañeda, editors. 2019. *Critical Species LookBook: A Compendium of California's Threatened and Endangered Species for Sustainable Groundwater Management*. The Nature Conservancy, San Francisco, California.
- Romich, M. 2018. *Biological Baseline Conditions Report: Mill Creek Operations Study Area (First Draft)*. Prepared for San Bernardino Valley Municipal Water District. December.
- Romich, M. 2019. *Technical Memo: San Bernardino Kangaroo Rat Trapping Results for the Enhanced Recharge Project, Highland and Redlands, San Bernardino County, California (TE-068799-5)*. Prepared for San Bernardino Valley Municipal Water District. December.
- Russell, K. 2021. Riverside-Corona Resource Conservation District. Email correspondence with Joanna Gibson, San Bernardino Valley Municipal Water District. March 10, 2021.
- San Diego Management and Monitoring Program (SDMMP) and The Nature Conservancy. 2017. *Management and Monitoring Strategic Plan for Conserved Lands in Western San Diego County: A Strategic Habitat Conservation Roadmap*. Prepared for: San Diego Association of Governments (SANDAG).
- Sawyer, J. O., T. Keeler-Wolf, and J. M. Evens. 2009. *A Manual of California Vegetation*, 2nd Edition. California Native Plant Society. Sacramento, California.
- Scheeval Engineering (Scheevel). 2017. *Professional Engineering Consulting Services Proposal: Santa Ana River, Chino Creek and Cucamonga Creek Bathymetry Surveys*. Prepared for: San Bernardino Valley Municipal Water District. September 20.
- . 2019. *Santa Ana River Sediment Monitoring Program Phase 1*, November 23. Letter to OCWD.
- Science Applications International Cooperation (SAIC). 2010. *Habitat Mapping 2010 Update Santa Ana River Wash, San Bernardino County, California*. Prepared for the U.S. Army Corps of Engineers, Los Angeles District, California.
- Shier, Debra M., Rachel Y. Chock, and Sarah McCullough-Hennessy. 2019. *Landscape and Microhabitat Suitability Models for the San Bernardino Kangaroo Rat (Dipodomys merriami parvus)*. Escondido, CA: San Diego Zoo Institute for Conservation Research, Recovery Ecology, Zoological Society of San Diego.
- 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, 38 pp.
- Strahm, S. 2012. *A Conceptual Model for Otay Tarplant (Deinandra conjugens)*. Prepared for The Nature Conservancy. Prepared by Institute for Ecological Monitoring and Management, San Diego State University.

- U.S. Fish and Wildlife Service (USFWS). 1997. *Coastal California Gantcatcher (Polioptila californica californica) Presence/Absence Survey Guidelines*. February 28, 1997. U.S. Fish and Wildlife Service, Carlsbad Fish and Wildlife Office. 4 pp.
- . 2001. *Least Bell's Vireo Survey Guidelines*. January 19. Carlsbad, CA: U.S. Fish and Wildlife Service, Carlsbad Fish and Wildlife Office.
- . 2004. *Programmatic Intra-Service Formal Section 7 Consultation on Issuance of 10(a)(1)(A) Permits for the Santa Ana Sucker (FWS-CFW0-1480113-14F01 71)*. From: Deputy Field Supervisor, Carlsbad Fish and Wildlife Office Carlsbad, California. Available: file:///C:/Users/19086/Downloads/BO_WesternRiverside.pdf.
- . 2009a. *Arroyo Southwestern Toad (Bufo californicus (=microscaphus)) 5-Year Review: Summary and Evaluation*. Ventura, California. August. Appendix D. Available: http://ecos.fws.gov/docs/five_year_review/doc2592.pdf.
- . 2009b. *Declining Amphibian Population Task Force Code of Practice*. Available: https://www.fws.gov/southwest/es/NewMexico/documents/SP/Declining_Amphibian_Task_Force_Fieldwork_Code_of_Practice.pdf.
- . 2010. *Final Rule: Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the Santa Ana Sucker (Catostomus santaanae)*. 75 FR 77962.
- . 2012. *Mountain Yellow-legged Frog (Rana muscosa) Southern California Distinct Population Segment 5-year Review: Summary and Evaluation*.
- . 2017. *Recovery Plan for the Santa Ana Sucker (Catostomus santaanae)*. Region 8, Sacramento Fish and Wildlife Office, Sacramento, CA. February 28.
- . 2020. *Endangered and Threatened Wildlife and Plants; Revised Designation of Critical Habitat for the Western Distinct Population Segment of the Yellow-Billed Cuckoo*. Available: <https://www.federalregister.gov/documents/2020/02/27/2020-02642/endangered-and-threatened-wildlife-and-plants-revised-designation-of-critical-habitat-for-the>.
- USFWS and U.S. Department of Commerce National Oceanic and Atmospheric Administration National Marine Fisheries Service (NMFS). 2016. *Habitat Conservation Planning and Incidental Take Permit Processing Handbook*. Available: https://www.fws.gov/endangered/what-we-do/hcp_handbook-chapters.html. Accessed: January 11, 2019.
- U.S. Geological Survey (USGS). 2015. *Rialto Channel*.
- Williams, B. K., R. C. Szaro, and C. D. Shapiro. 2009. *Adaptive Management: The U.S. Department of the Interior Technical Guide*. Adaptive Management Working Group, U.S. Department of the Interior, Washington, D.C.

11.6 Chapter 6

- Bedsworth, Louise, Dan Cayan, Guido Franco, Leah Fisher, Sonya Ziaja. 2018. *Statewide Summary Report. California's Fourth Climate Change Assessment*. California Governor's Office of Planning and Research, Scripps Institution of Oceanography, California Energy Commission, California Public Utilities Commission. Publication number: SUMCCCA4-2018-013. Available:

https://www.energy.ca.gov/sites/default/files/2019-11/Statewide_Reports-SUM-CCCA4-2018-013_Statewide_Summary_Report_ADA.pdf.

Dettinger, M. (2016). Historical and Future Relations Between Large Storms and Droughts in California. *San Francisco Estuary and Watershed Science* 14(2). Available: <https://doi.org/10.15447/sfews.2016v14iss2art1>.

IPCC, 2007: *Climate Change 2007: Synthesis Report. Contribution of Working Groups I, II and III to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change* [Core Writing Team, Pachauri, R.K and Reisinger, A. (eds.)]. IPCC, Geneva, Switzerland, 104 pp.

Keeley A. T. H., D. Ackerly, G. Basson, D. R. Cameron, L. Hannah, N. E. Heller, P. R. Huber, P. R. Roehrdanz, C. A. Schloss, J. H. Torne, S. Veloz, and A. M. Merenlender. 2018. *Migration Corridors as Adaptation to Climate Change: Why, How, and What Next*. California's Fourth Climate Change Assessment, California Natural Resources Agency. University of California, Berkeley. Publication number: CCCA4-CNRA-2018-001.

Lambert, A. M., C. M. D'Antonio, and T. L. Dudley. 2010. Invasive Species and Fire in California Ecosystems. *Fremontia* 38(2)/38(3):29–36. Available: https://www.cnps.org/wp-content/uploads/2018/03/Fremontia_Vol38-No2-3.pdf. Accessed: May 21, 2020.

U.S. Fish and Wildlife Service. 2016. *Habitat Conservation Planning and Incidental Take Permit Processing Handbook*. U.S. Department of the Interior Fish and Wildlife Service and U.S. Department of Commerce National Oceanic and Atmospheric Administration National Marine Fisheries. Available: https://www.fws.gov/endangered/what-we-do/hcp_handbook-chapters.html

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Cooley, H., and R. Phurisamban. 2016. *The Cost of Alternative Water Supply and Efficiency Options in California*. The Pacific Institute. Available: https://pacinst.org/wp-content/uploads/2016/10/PI_TheCostofAlternativeWaterSupplyEfficiencyOptionsinCA.pdf.

Metropolitan Water District of Southern California (Metropolitan). 2016. *Potential Regional Recycled Water Program*. Available: http://mwdh2o.com/PDF_About_Your_Water/Potential_RRWP_Feasibility_Study_Rpt.pdf.

Perrone, D., and M. Merri Rohde. 2016. *Benefits and Economic Costs of Managed Aquifer Recharge in California*. Available: <https://escholarship.org/uc/item/7sb7440w>.

Riverside Public Utilities (RPU). 2018. *Habitat-Parks Recycled Water Project (Preliminary Planning Report)*. September.

Transparent California. 2019. "GIS ANALYST" search results. Available: <https://transparentcalifornia.com/salaries/search/?q=GIS+ANALYST&y=2018>. Accessed: September 2019.

U.S. Bureau of Labor Statistics (BLS). 2018. *Occupational Employment Statistics: May 2018 Metropolitan and Nonmetropolitan Area Occupational Employment and Wage Estimates—Riverside-San Bernardino-Ontario, CA*. Available: https://www.bls.gov/oes/current/oes_40140.htm#00-0000. Accessed: September 2019.