

6.1 Chapter 1, Introduction

- Monterey County Water Resources Agency. 2013. Salinas River Management Program Comments from Public Meeting. December.
- Monterey County Water Resources Agency. 2014. Salinas River Stream Maintenance Program Revised Final Environmental Impact Report. State Clearing House #2011041066. June. 332 pp.
- U.S. Geological Survey. 2017. National Hydrography Dataset, Watershed Boundaries. Available: https://www.usgs.gov/core-science-systems/ngp/national-hydrography/watershed-boundary-dataset?qt-science_support_page_related_con=4#qt-science_support_page_related_con. Accessed: April 2018.

6.2 Chapter 2, Background

- California Department of Water Resources. 2018. Sustainable Groundwater Management Program Data Viewer. Available: <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer>. Accessed: July 2018.
- California State University Monterey Bay. 2018. Monterey One Service Area Map. Available: http://ccows.csumb.edu/wiki/index.php/File:Montereyonewaterservicearea_downloaded180406.jpg. Accessed: November 2018.
- Central Coast Watershed Studies. 2006. Final Monterey County Water Resources Agency Reclamation Ditch Watershed Assessment and Management Strategy: Part A Watershed Assessment. The Watershed Institute, Earth Systems Science and Policy. California State University, Monterey Bay.
- Central Coast Wetlands Group. 2015. Salinas River Lagoon marsh plain condition assessment. Summary report. Prepared for: Monterey County Water Resources Agency. November. 13 pp.
- Central Coast Wetlands Group. 2017. Moss Landing Community Coastal Climate Change Vulnerability Report. June. 87 pp.
- City of Greenfield. 2018. Arroyo Seco Groundwater Sustainability Agency. Greenfield, California. Available: <http://ci.greenfield.ca.us/379/ASGSA>. Accessed: November 2018.
- Denise Duffy & Associates. 2016. Pure Water Monterey Groundwater Replenishment Project Consolidated Final Environmental Impact Report. Prepared for the Monterey Regional Water Pollution Control Agency. Available: <http://purewatermonterey.org/reports-docs/cfeir/>. Accessed: July 2018.
- Elkhorn Slough National Estuarine Research Reserve. 2013. Boundary of the Elkhorn Slough watershed and its sub-watersheds. Available: <https://www.elkhornslough.org/research-program/mapping-gis/>. Accessed: November 2018.

- Environmental Science Associates and Central Coast Wetlands Group. 2018. Greater Monterey County Stormwater Plan, Water Balance, and Flood Modeling. Draft. December. 47 pp.
- Geoscience. 2013. Protective Elevations to Control Sea Water Intrusion in the Salinas Valley. Technical Memorandum. November. 36 pp.
- Hagar Environmental Science. 2010. Salinas River Lagoon Breach Monitoring Report 2008-2009. Prepared for the Monterey County Water Resources Agency. July. 43 pp.
- Hager Environmental Science. 2015. Salinas River Lagoon Monitoring Report 2014. Prepared for Monterey County Water Resources Agency. June. 46 pp.
- Marina Coast Water District and Marina Coast Water District Groundwater Sustainability Agency. 2018. MCWD Groundwater Sustainability Agency. Marina Coast Water District. Available: https://www.mcwd.org/gsa_about.html. Accessed: November 2018.
- Monterey County Water Resources Agency. 1997. Salinas River Lagoon Management and Enhancement Plan. Prepared with assistance from John Gilchrist & Associates, Habitat Restoration Group, Phillip Williams & Associates, and Wetland Research Associates. March. 232 pp.
- Monterey County Water Resources Agency. 2005. *Salinas Valley Water Project Flow Prescription for Steelhead Trout in the Salinas River*. October. 140 pp.
- Monterey County Water Resources Agency. 2006. Monterey County Groundwater Management Plan. May. 76 pp. Prepared with assistance from with assistance from RMC Water and Environment and Luhdorff & Scalmanini Consulting Engineers Available: <http://www.co.monterey.ca.us/home/showdocument?id=22563>. Accessed July 2018.
- Monterey County Water Resources Agency. 2014. Salinas River Stream Maintenance Program Revised Final Environmental Impact Report. State Clearing House #2011041066. June. 332 pp.
- Monterey County Water Resources Agency. 2015. CASGEM Monitoring Plan for High and Medium Priority Basins in the Salinas Valley Groundwater Basin. March. 65 pp.
- Monterey County Water Resources Agency. 2016. Interlake Tunnel and Spillway Modification Project Notice of Preparation/Initial Study. April. 65 pp.
- Monterey County Water Resources Agency. 2017. Recommendations to Address the Expansion of Seawater Intrusion in the Salinas River Groundwater Basin. Special Reports Series 17-01. October. 244 pp.
- Monterey County Water Resources Agency. 2018a. Nacimiento Dam Operation Policy. Available: <https://www.co.monterey.ca.us/Home/ShowDocument?id=63151>. Accessed: July 2018.
- Monterey County Water Resources Agency. 2018b. Groundwater Level Monitoring Overview. County of Monterey. Available: <http://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/groundwater-level-monitoring/overview#wra>. Accessed: July 2018.
- Monterey County Water Resources Agency. 2018c. Dams and Reservoirs: Overview. County of Monterey. Available: <http://www.co.monterey.ca.us/government/government-links/water-resources-agency/projects-facilities/dams-and-reservoirs#wra>. Accessed: July 2018.

- Monterey County Water Resources Agency. 2018d. Monterey County Recycling Projects (CSIP/SVRP). County of Monterey. Available: <http://www.co.monterey.ca.us/government/government-links/water-resources-agency/projects-facilities/castroville-seawater-intrusion-project-salinas-valley-reclamation-project-csip-#wra>. Accessed: July 2018.
- Monterey County Water Resources Agency. 2018e. Salinas Valley Water Project. County of Monterey. Available: <http://www.co.monterey.ca.us/government/government-links/water-resources-agency/projects-facilities/salinas-valley-water-project-svwp#wra>. Accessed: July 2018.
- Monterey County Water Resources Agency. 2018f. Interlake Tunnel. County of Monterey. Available: <http://www.co.monterey.ca.us/government/government-links/water-resources-agency/projects-facilities/interlake-tunnel#wra>. Accessed: July 2018.
- Monterey County Water Resources Agency. 2018g. Salinas River Stream Maintenance Program (SMP). County of Monterey. Available: <http://www.co.monterey.ca.us/government/government-links/water-resources-agency/programs/salinas-river-stream-maintenance-program#wra>. Accessed: July 2018.
- Monterey Regional Stormwater and Education Alliance. 2018. Monterey Regional Stormwater and Education Alliance Stormwater Planning. Available: <http://montereysea.org/about-us/>. Accessed: December 2018.
- National Marine Fisheries Service. 2009. Biological Opinion for Sandbar Breaching at the Mouth of the Salinas River. National Marine Fisheries Service Southwest Region, Long Beach, California, December 21, 2009.
- National Oceanic and Atmospheric Administration. 2018. Monterey Bay National Marine Sanctuary. Available: <https://montereybay.noaa.gov/intro/welcome.html>. Accessed December 2018.
- Pure Water Monterey. 2018. About Pure Water Monterey. Pure Water Monterey. Available: <http://purewatermonterey.org/>. Accessed: July 2018.
- Raftelis Financial Consultants. 2017. Monterey County Water Resources Agency Rate Study. March. 14 pp.
- Regional Water Management Group. 2018. Greater Monterey County Integrated Regional Water Management Plan regional map. Available: <http://www.greatermontereyirwmp.org/>. Accessed: November 2018.
- Resource Conservation District of Monterey County. 2011. Initial Study for the Salinas Watershed Invasive Non-native Plant Control and Restoration Program. September. 58 pp.
- Resource Conservation District of Monterey County. 2018.
- RMC Water and Environment. 2003. Salinas Valley Water Project: Engineer's Report. Prepared for the Monterey Water Resources Agency. January. 55 pp.
- RMC Water and Environment. 2007. Zone 2B Proposition 218 Engineer's Report. Prepared for the Monterey Water Resources Agency. November. 23 pp.
- Rosenberg, Lewis I., and Joseph C. Clark. 2009. Map of the Rinconada and Reliz Fault Zones, Salinas River Valley, California: U.S. Geological Survey Scientific Investigations Map 3059, scale

1:250,000 with pamphlet. Available at: <https://pubs.usgs.gov/sim/3059/>. Accessed: January 2019.

Salinas Valley Basin Groundwater Sustainability Agency. 2018. What is the Salinas Valley GSA. Salinas Valley Basin Groundwater Sustainability Agency. Available: <https://svbgsa.org/about-us/>. Accessed: October 2018.

U.S. Bureau of Reclamation. 2017. Plan of Study: Carmel and Salinas Rivers Basin Study. Bureau of Reclamation, Mid-Pacific Region. January. 91 pp.

6.2.1 Personal Communications

Wald, Steph. 2018. Program Coordinator. Upper Salinas–Las Tablas Resource Conservation District. Watershed management plan for the upper Salinas River. Email to Danielle Tannourji—Biologist. ICF. December 13.

Zefferman, Emily. 2018. Ecologist. Resource Conservation District of Monterey County. Salinas Watershed Invasive Nonnative Plant Control and Restoration Program. Email to Danielle Tannourji—Biologist. ICF. August 27.

6.3 Chapter 3, Historical and Existing Conditions

ABA Consultants. 1989. Elkhorn Slough Wetland Management Plan. Prepared for California State Coastal Conservancy and Monterey County Planning Department. December. 198 pp.

Allen-Diaz, B., J. W. Bartolome, and M. P. McClaran. 1999. California oak savanna. Chapter 20 in: R. C. Anderson, J. S. Pralish, and J. M. Baskin (eds.). Savannas, barrens, and rock outcrop plant communities of North America. Cambridge University Press.

Battin, J., M. W. Wiley, M. H. Ruckelhaus, R. N. Palmer, E. Korb, K. K. Bartz, and H. Imaki. 2007. Projected impacts of climate change on salmon habitat restoration. Proceedings of the National Academy of Sciences of the United States of America 104:6720-6725.

Bechtel Corp. 1959. Preliminary Planning Report on Flood Control for Area Tributary to Main Reclamation Ditch Between Alisal Creek Watershed and Monterey Bay, Prepared for Monterey County Flood Control and Water Conservation District Zone 2 Salinas, California. 37 pp.

Becker, G.S. and I.J. Reining. 2008. Steelhead/rainbow trout (*Oncorhynchus mykiss*) resources south of the Golden Gate, California. Cartography by D.A. Asbury. Center for Ecosystem Management and Restoration. Oakland, CA.

Beier, P. 1995. Dispersal of juvenile cougars in fragmented habitats. Journal of Wildlife Management 5:228-237.

Bellard, C., J.M. Jeschke, B. Leroy, and G.M. Mace. 2018. Insights from modeling studies on how climate change affects invasive alien species geography. Ecology and Evolution. 2018; 8:5688–5700. Available at: <https://doi.org/10.1002/ece3.4098>.

Blaney, H. R. 1933. Rainfall penetration in Ventura County Investigation. California Department Public Works, Division of Water Resources. Bull. 46. pp 82-91.

- Bond, M.H. 2006. The importance of estuary rearing to Central California steelhead (*Oncorhynchus mykiss*) growth and marine survival. Master's thesis. University of California, Santa Cruz.
- Boughton, D. A. 2010. A Forward-Looking Frame of Reference for Steelhead Recovery on the South-Central and Southern California Coast. NOAA Technical Memorandum NMFS-SWFSC TM-466.
- Boughton, D., H. Fish, J. Pope and G. Holt. 2009. Spatial patterning of habitat for *Oncorhynchus mykiss* in a system of intermittent and perennial stream. *Ecology of Freshwater Fish* 18:92-105.
- Breschini, G., T. Haversat, and M. Gudgel. 2000. 10,000 Years on the Salinas Plain. Heritage Media Corporation, Carlsbad, CA 92009. 208 pp.
- Brown and Caldwell. 2015a. State of the Salinas River Groundwater Basin. Prepared for Monterey County Water Resources Agency. January. 240 pp.
- Brown and Caldwell. 2015b. Technical Memorandum No. 2: Storage Change Analysis. Prepared for Monterey County Water Resources Agency. January. 31 pp.
- Bunn, D., A. Mummert, M. Hoshovsky, K. Gilardi, and S. Shanks. 2007. California Wildlife: Conservation Challenges California's Wildlife Action Plan. Prepared by University of California, Davis, Wildlife Health Center for California Department of Fish and Game. 597 pp.
- Cal Fire. 2015. Fire Resource and Assessment Program (FRAP) website. Available at: <http://frap.fire.ca.gov/>. Accessed: January 2019.
- CALFED. 1976. Nacimiento Dam and Nacimiento River Case Study Report #79. Available at: http://www.calwater.ca.gov/Admin_Record/C-064356.pdf.
- CalFish. 2018. California Fish Passage Assessment Database. California Fish Passage Forum. Available: <https://www.calfish.org/tabid/420/Default.aspx>. Accessed June 2018.
- California Coastal Commission. 2015. California Coastal Commission on Sea Level Rise Policy Guidance Interpretive Guidelines for Addressing Sea Level Rise in Local Coastal Programs and Coastal Development Permits. August 2015. Available at: <https://www.coastal.ca.gov/climate/slrguidance.html>
- California Conservation Easement Database. 2018. Available at: <https://www.calands.org/cced/>. Accessed: January 2019.
- California Department of Conservation. 2010. Statewide Geological Map of California. Available at: <https://www.conservation.ca.gov/cgs/maps-data/rgm>. Accessed: August 2018.
- California Department of Conservation. 2014. Fresno County Important Farmland. Available at: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/2014>. Accessed August 2018.
- California Department of Conservation. 2016a. Monterey County Important Farmland. Available at: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/2016>. Accessed: August 2018.
- California Department of Conservation. 2016b. San Benito County Important Farmland. Available at: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/2016>. Accessed: August 2018.
- California Department of Conservation. 2016c. San Luis Obispo County Important Farmland. Available at: <ftp://ftp.consrv.ca.gov/pub/dlrp/FMMP/2016>. Accessed: August 2018.

- California Department of Conservation. 2016d. Monterey County Williamson Act FY 2015/2016. Available at: <ftp://ftp.consrv.ca.gov/pub/dlrp/wa/>. Accessed: May 2018.
- California Department of Fish and Wildlife. 2015. State Wildlife Action Plan. 2015 Update. A conservation legacy for Californians. Available at: <https://www.wildlife.ca.gov/SWAP/Final>. Accessed: January 2019.
- California Department of Fish and Wildlife. 2018a. California Natural Communities List. Available at: <https://www.wildlife.ca.gov/Data/VegCAMP/Natural-Communities#natural%20communities%20lists>. Accessed: January 2019.
- California Department of Fish and Wildlife. 2018b. California Natural Diversity database. Version 5.2.14. Available at: <https://map.dfg.ca.gov/rarefind/view/RareFind.aspx>. Accessed: January 2019.
- California Department of Fish and Wildlife. 2019. Data Portal. Moro Cojo and Elkorn Slough Protected Areas. Available at: <https://nrm.dfg.ca.gov/FileHandler.ashx?DocumentID=117403&inline>. Accessed January 2019.
- California Department of Forestry and Fire Protection. 2015. FRAP Vegetation. Available: http://frap.fire.ca.gov/data/statewide/fveg15_1.zip. Accessed: March 2016.
- California Department of Water Resources. 1946. Salinas Basin Investigation Summary Report. Bulletin 52. Available at: https://digitalcommons.csumb.edu/hornbeck_cgb_1/6/.
- California Department of Water Resources. 2003. California's Groundwater. Bulletin No. 118, 2003 Update. October. 265p. Available at: https://www.water.ca.gov/LegacyFiles/pubs/groundwater/bulletin_118/california's_groundwater_bulletin_118_-_update_2003_/bulletin118_entire.pdf.
- California Department of Water Resources. 2015. California Climate Science and Data for water resources management. June. Available at: <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/All-Programs/Climate-Change-Program/Climate-Change-And-Water/Files/California-Climate-Science-and-Data-for-Water-Resources-Management.pdf>. Accessed: January 2019.
- California Department of Water Resources. 2018. Sustainable Groundwater Management Program Data Viewer. Available: <https://sgma.water.ca.gov/webgis/?appid=SGMADataViewer>. Accessed: July 2018.
- California Department of Water Resources. 2019. Land Use surveys. Online land use and soil maps. Available at: <https://water.ca.gov/Programs/Water-Use-And-Efficiency/Land-And-Water-Use/Land-Use-Surveys>. Accessed: January 2019.
- California Energy Commission. 2018. Cal-Adapt. Annual Averages. Available at: <http://cal-adapt.org/tools/annual-averages/#climatevar=tasmax&scenario=rcp45&lat=36.21875&lng=-121.15625&boundary=locagrid&units=fahrenheit>. Accessed: June 2018.
- California Invasive Plant Council. 2011. Arundo donax. Distribution and impact report. March. Agreement No. 06-374-559-0 State Water Resources Control Board. Available at: <https://www.cal-ipc.org/wp->

- content/uploads/2017/11/Arundo_Distribution_Impact_Report_Cal-IPC_March-2011_small.pdf. Accessed: January 2019.
- California Invasive Plant Council. 2014. Salinas Arundo. GIS data transfer from Emily Zefferman, Resource Conservation District of Monterey County to Danielle Tannourji, ICF
- California Protected Areas. 2018. California Protected Areas Data Portal. Available at: www.calands.org/map. Accessed: June 2018.
- California State Water Resources Board. 1956. Salinas River Basin Investigation, Bulletin 19, February 1956, 225p.
- Carlson, S. M. and T. R. Seamons. 2008. A review of quantitative genetic components of fitness in salmonids: Implications for adaptation to future change. *Evolutionary Applications* 1(2):222-238.
- Carpenter, E.J. and S.W. Cosby. 1925. Soil Survey of the Salinas Area, California, United States Department of Agriculture, Bureau of Chemistry and Soils in Cooperation with the University of California Agricultural Experiment Station, 92 p.
- Cayan, D. 2006. Scenarios of Climate Change in California. 2006. California Climate Change Center. University of California, Berkeley.
- Cayan, D., E Maurer, M. Dettinger, M. Tyree, K. Hayhoe. 2008. Climate change scenarios for the California region. *Climatic Change* 87(Suppl. 1):21-42.
- Cayan, D., M. Tyree, M. Dettinger, H. Hidlago, T. Das, E. Maurer, P. Bromirski, N. Graham, and R. Flick. 2009. Climate Change Scenarios and Sea Level Rise Estimates for the California 2009 Climate Change Scenarios Assessment. California Climate Change Center, University of California, Berkeley.
- Central Coast Regional Water Quality Control Board. 2010. Lower Salinas River Fecal Coliform TMDL. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/tmdl/docs/salinas/lower_fecal/.
- Central Coast Regional Water Quality Control Board. 2011. Lower Salinas River Watershed Chlorpyrifos and Diazinon TMDL. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/tmdl/docs/salinas/pesticide/.
- Central Coast Regional Water Quality Control Board. 2013. Amending the water quality control plan for the central coastal basin to adopt total maximum daily loads for nitrogen compounds and orthophosphate in the lower Salinas River and Reclamation Canal Basin and the Moro Cojo Slough subwatershed. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/tmdl/docs/salinas/nutrients/att1_res_signed_bpa_approved_fin.pdf. Accessed: January 2019.
- Central Coast Regional Water Quality Control Board. 2014. Lower Salinas River Watershed Nutrient TMDL. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/tmdl/docs/salinas/nutrients/.

- Central Coast Regional Water Quality Control Board. 2017a. Water Quality Control Plan for the Central Coastal Basin. September 2017. Available at: https://www.waterboards.ca.gov/centralcoast/publications_forms/publications/basin_plan/.
- Central Coast Regional Water Quality Control Board. 2017b. Salinas River Watershed Sediment Toxicity and Pyrethroid Pesticides in Sediment TMDL. Available at: https://www.waterboards.ca.gov/centralcoast/water_issues/programs/tmdl/docs/salinas/sed_tox/.
- Central Coast Watershed Studies. 2001. Winter Water Quality of the Carmel and Salinas Lagoons, Monterey, California: 2000/2001. Report No. WI-2001-01. March 29.
- Central Coast Watershed Studies. 2006. Final Monterey County Water Resources Agency Reclamation Ditch Watershed Assessment and Management Strategy: Part A Watershed Assessment. The Watershed Institute, Earth Systems Science and Policy. California State University, Monterey Bay.
- Central Coast Wetlands Group. 2015. Salinas River Lagoon marsh plain condition assessment. Summary report. Prepared for: Monterey County Water Resources Agency. November. 13 pp.
- Central Coast Wetlands Group. 2017. Moss Landing Community Coastal Climate Change Vulnerability Report. June. 87 pp.
- County of Monterey. 2010. Monterey County General Plan. October 26. Available at: <http://www.co.monterey.ca.us/government/departments-i-z/resource-management-agency-rma-/planning/resources-documents/2010-general-plan>. Accessed: May 2018.
- County of Monterey. 2018. County of Monterey Open Data. Available at: <https://montereycountyopendata-12017-01-13t232948815z-montereyco.opendata.arcgis.com>. Accessed: August 2018.
- County of San Benito. 2015. San Benito County 2035 General Plan. Available at: <http://cosb.us/wp-content/uploads/Adopted-2035-GPU.pdf>. Accessed: August 2018.
- County of San Luis Obispo. 2018. County of San Luis Obispo Open Data. Available at: <http://opendata.slocounty.ca.gov/datasets/general-plan-land-use-designations>. Accessed: August 2018.
- Crozier, L. G. and J. A. Hutchings. 2014. Plastic and evolutionary responses to climate change in fish. *Evolutionary Applications* 7(1):68-87.
- Crozier, L. G., A. P. Hendry, P. W. Lawson, T. P. Quinn, N. J. Mantua, J. Battin, R. G. Shaw, and R. B. Huey. 2008. Potential responses to climate change in organisms with complex life-histories: evolution and plasticity in Pacific salmon. *Evolutionary Applications* 1:252-270.
- Dai, A. 2013. Increasing drought under global warming in observations and models. *Nature Climate Change*, 3(1), p.52.
- Denise Duffy and Associates. 2016. Pure Water Monterey Groundwater Replenishment Project Consolidated Final Environmental Impact Report. Prepared for the Monterey Regional Water Pollution Control Agency. Available at: <http://purewatermonterey.org/reports-docs/cfeir/>. Accessed: July 2018.

- Dickson, B.G., J.S. Jenness, and P. Beier. 2004. Influence of vegetation, roads, and topography on cougar movement in southern California. *Journal of Wildlife Management* 69(1):264-276.
- Dunham, J.B., M.K. Young, R.E. Gresswell and B.E. Rieman. 2003. Effects of fire on fish populations: landscape perspectives on persistence of native fishes and nonnative fish invasions. *Forest Ecology and Management*, 178(1-2), pp.183-196.
- Elkhorn Slough Tidal Wetland Project. 2012. Large-Scale Restoration Alternatives for Elkhorn Slough: Summary of Interdisciplinary Evaluations and Recommendations. 44pp.
- EMC Planning Group and EDAW. 1997. Fort Ord Reuse Plan Environmental Impact Report. Prepared for the Fort Ord Reuse Authority. SCH No. 96013022. June.
- ENTRIX and EDAW. 2002. Biological Assessment for the Salinas Valley Water Project Salinas River, California. Prepared for the U.S. Army Corps of Engineers, by ENTRIX, Inc., on behalf of Monterey County Water Resources Agency, Walnut Creek, California and EDAW, Inc., Sacramento, California.
- Environmental Science Associates and Pacific Watershed Associates. 2014. Monterey Bay Sea Level Rise Vulnerability Study: Technical Methods Report. June 2014. Available at: https://nmsmontereybay.blob.core.windows.net/montereybay-prod/media/resourcepro/resmanissues/pdf/140616erosion-vuln_tech-methods.pdf.
- Erksine, J. A. and A. T. Fisher. 2002. Implications of geometry, age and depositional history of a shallow confining layer in a coastal groundwater basin, Monterey County, California, USA. *Geophysical Research Letter*, Vol. 29, No. 24, 2178. Available at: <https://pdfs.semanticscholar.org/6997/9cefb8c8e0e6da0b68165338fe5b44510285.pdf>. Accessed: January 2019.
- Federal Emergency Management Agency. 2018. Enterprise GIS Services. FEMA Flood Zone Boundaries. Available: <https://gis.fema.gov/>. Accessed: July 2018.
- Ferren, W., P. L. Fiedler, and R. A. Leidy. 1995. Wetlands of the central and southern California coast and coastal watersheds. A methodology for their classification and description. Final Report to U.S. Environmental Protection Agency, Region IX, San Francisco, CA and Environmental Report. No. 1, Museum of Systematics and Ecology, University of California, Santa Barbara, ix + 500 pp.
- Ficke, A. D., C. A. Myrick and L. J. Hansen. 2007. Potential impacts of global climate change on freshwater fisheries. *Reviews in Fish Biology and Fisheries*, 17(4), pp.581-613.
- Fischer, J. and D. B. Lindenmayer. 2007. Landscape modification and habitat fragmentation: a synthesis. *Global ecology and biogeography*, 16(3), pp.265-280.
- Fischer D.T., C.J. Still, and A.P. Williams. 2009. Significance of summer fog and overcast for drought stress and ecological functioning of coastal California endemic plant species. *Journal of Biogeography* 36:783-799.
- FISHBIO. 2014a. Salinas River Basin Adult Steelhead Escapement Monitoring. 2014 Annual Report. June. 18 pp. Submitted to the Monterey County Water Resources Agency.
- FISHBIO. 2014b. Salinas River Basin Juvenile *O. mykiss* Downstream Migration Monitoring. 2014 Annual Report Final. June. 21 pp. Submitted to the Monterey County Water Resources Agency.

- Good, T.P., R.S. Waples, and P. Adams, editors. 2005. Updated status of federally listed ESUs of West Coast salmon and steelhead. U.S. Department of Commerce, NOAA Technical Memorandum NMFS-NWFSC-66. Santa Cruz, California.
- Google Earth Pro. 2018. Salinas River National Wildlife Refuge and Salinas River State Beach boundaries. Google Earth Pro. Version 7.3.2.5491. Image data: CSUMB SFML, CA OPC; TerraMetrics and U.S. Fish and Wildlife Service. Accessed: November 2018.
- GreenInfo Network. 2016. California Conservation Easement Database 2016. Available at: <http://www.calands.org/uploads/docs/CCED2016.zip>. Accessed: August 2018.
- GreenInfo Network. 2017. California Protected Areas Database 2017a. Available at: <https://data.cnra.ca.gov/dataset/california-protected-areas-database-2017a>. Accessed: August 2018.
- Griffith, G.E., J.M. Omernik, D.W. Smith, T.D. Cook, E. Tallyn, K. Moseley, and C.B. Johnson. 2016, Ecoregions of California (poster): U.S. Geological Survey Open-File Report 2016–1021, with map, scale 1:1,100,000. Available at: <http://dx.doi.org/10.3133/ofr20161021>. Accessed: July 2018.
- Guo, Fengyi, J. Lenoir, and T.C. Bonebrake. 2018. Land-use change interacts with climate to determine elevational species redistribution. *Nature Communications*, 2018; 9 (1) Available at: [10.1038/s41467-018-03786—9](https://doi.org/10.1038/s41467-018-03786-9).
- H.T. Harvey & Associates. 2009. Salinas River Lagoon Fisheries Enhancement Project Biological Assessment for the Western Snowy Plover, California Brown Pelican, Steelhead, Smith's Blue Butterfly, and Essential Fish Habitat. June. 76 pp.
- Hagar Environmental Science. 2001. Salinas River Lagoon Water Quality and Fish Populations. Appendix C-3 to EIR/EIS for the Salinas Valley Water Project. Prepared for the Monterey County Water Resources Agency and the U.S. Army Corps of Engineers.
- Hagar Environmental Science. 2005. Salinas River Lagoon. 2003-2004 Breach Monitoring Report. Prepared for the Monterey County Water Resources Agency.
- Hagar Environmental Science. 2010a. Salinas River Lagoon Breach Monitoring Report 2008-2009. Prepared for the Monterey County Water Resources Agency. July. 43 pp.
- Hagar Environmental Science. 2010b. Salinas River Lagoon Breach Monitoring Report 2009-2010. Prepared for the Monterey County Water Resources Agency. July. 40 pp.
- Hagar Environmental Science. 2012. Salinas River Lagoon Monitoring Report 2011. Prepared for the Monterey County Water Resources Agency. February. 53 pp.
- Hagar Environmental Science. 2013. Salinas River Lagoon Monitoring Report 2012. Prepared for the Monterey County Water Resources Agency. February. 53 pp.
- Hagar Environmental Science. 2014. Salinas River Lagoon Monitoring Report 2013. Annual Report. Submitted to the Monterey County Water Resources Agency.
- Hagar Environmental Science. 2015. Salinas River Lagoon Monitoring Report 2014. Prepared for Monterey County Water Resources Agency. June. 46 pp.
- Hamlin, H. 1904. Water Resources of the Salinas Valley, California, U.S. Geological Survey Water-Supply and Irrigation Paper 89, 1904, 123p.

- Hanes, T. A. 1988. California chaparral. Chapter 12 in M.G. Barbour and J. Major, eds. *Terrestrial Vegetation of California*. Special publication number 9, California Native Plant Society, Sacramento.
- Hansen, W.R., ed., 1991. *Suggestions to authors of the reports of the United States Geological Survey (7th ed.)*: Washington, D.C., U.S. Geological Survey, 289 p. Available at: <https://pubs.er.usgs.gov/publication/70058737>. Accessed: January 2019.
- Harding Engineering and Environmental Sciences. 2001. Final Report. Hydrogeologic investigation of the Salinas Valley Basin in the vicinity of Fort Ord and Marina. Salinas Valley, California. Prepared for Monterey County Water Resources Agency. April. Available at: <http://www.co.monterey.ca.us/home/showdocument?id=19570>. Accessed: January 2019.
- Hayes, S. A., M.H. Bond, C.V. Hanson, A.W. Jones, A.J. Ammann, J.A. Harding, Al. L. Collins, J. Perez, and R.B. MacFarlane. 2011. Down, up, down and “smolting” twice? Seasonal movement patterns by juvenile steelhead (*Oncorhynchus mykiss*) in a coastal watershed with a bar closing estuary. *Can. J. fish. Aquat. Sci.* Vol. 68, 2011. Available at: https://swfsc.noaa.gov/uploadedFiles/Events/Meetings/Fish_2015/Document/6.1_Hayes_2011.pdf. Accessed: January 2019.
- Hayes, D.B., B.J. Bellgraph, B.M. Roth, D.D. Dauble, and R.P. Mueller. 2014. Timing of redd construction by fall Chinook salmon in the Hanford Reach of the Columbia River. *River Research and Applications* 30(9):1110-1119.
- Hayhoe, K., D. Cayan, C.B. Field, P.C. Frumhoff, E.P. Maurer, N.L. Miller, S.C. Moser, S.H. Schneider, K.N. Cahill, E.E. Cleland, L. Dale, R. Drapek, R.M. Hanemann, L.S. Kalkstein, J. Lenihan, C.K. Lunch, R.P. Neilson, S.C. Sheridan, and J.H. Verville. 2004. Emissions pathways, climate change, and impacts on California. Available at: <https://www.pnas.org/content/pnas/101/34/12422.full.pdf>. Accessed: January 17, 2019.
- Hellmair, M., and A.P. Kinziger. 2014. Increased extinction potential of insular fish populations with reduced life history variation and low genetic diversity. *PLoS ONE*. 9(11): e113139. doi:10.1371/journal.pone.0113139.
- Hellmair, M., D. Lee, and D. Demko. 2018. Salinas River Lagoon Fish Distribution Study, Summary of Recent Tidewater Goby Surveys. Report prepared for the Monterey County Water Resources Agency. November. 21 pp.
- Holland, R.F. 1986. Preliminary descriptions of the terrestrial natural communities of California. Prepared for the California Department of Fish and Game, Nongame-Heritage Program and Natural Diversity Database, Sacramento. 156 pp. Available at: <file:///C:/Users/19278/Downloads/Holland%201986%20Preliminary%20Descriptions%20of%20Terrestrial%20Natural%20Communities.OCRed.pdf>. Accessed: January 2019.
- Holland, V.L. and D. Keil. 1995. *California Vegetation*. Kendall Hunt Publishing Company. ISBN 0787226858.
- Hughes, J.M., Huey, J.A. and D.J. Schmidt. 2013. Is realised connectivity among populations of aquatic fauna predictable from potential connectivity? *Freshwater Biology*, 58(5): 951-966.

- Hurteau, M.D., J.B. Bradford, P.Z. Fulé, A.H. Taylor, and K.L. Martin. 2014. Climate change, fire management, and ecological services in the southwestern US. *Forest Ecology and Management*, 327, pp.280-289.
- Jacobs, D.K., E.D. Stein, T. Longcore. 2010. Classification of California Estuaries Based on Natural Closure Patterns: Templates for Restoration and Management. Southern California Coastal Water Research Project. Technical Report 619.a. August 2011.
- Johnstone and Dawson. 2010. Climatic context and ecological implications of summer fog decline in the coast redwood region. *Proceedings of the National Academy of Sciences* 107.10 (2010): 4533–4538.
- Jurek, Ronald. 1992. Nonnative red foxes in California. Nongame Bird and Mammal Section Report, 92-04. California Department of Fish and Game.
- Karl, T.R., J.M. Melillo, and T.C. Peterson (eds.). 2009. *Global Climate Change Impacts in the United States*. Cambridge University Press.
- Keeley, J.E. 2002. Native American impacts on fire regimes of the California coastal ranges. *Journal of Biogeography* 29:303-320.
- Kelly, M.H. and J.A. Gore. 2008. Florida river flow patterns and the Atlantic Multidecadal Oscillation. *River Research and Applications* 24: 598-616.
- Kennedy and Jenks. 2004. Hydrostratigraphic Analysis of the Northern Salinas Valley. Prepared for Monterey County Water Resources Agency. May. 98 pp.
- Kindlmann, P. and F. Burel. 2008. Connectivity measures: a review. *Landscape Ecology*, 23, 879–890.
- Kozlowski, D.F., F.M. Watson, Angelo, and S. Gilmore. 2004. Legacy pesticide sampling in impaired surface waters of the lower Salinas region. The Watershed Institute Report WI-2004-02. Available at: http://ccows.csUMB.edu/pubs/reports/CCoWS_LPs_040304_dk.pdf. Accessed: January 2019.
- Kreuder C., M.A. Miller, D.A. Jessup, L.J. Lowenstein, M.D. Harris, J.A. Ames, T.E. Carpenter, P.A. Conrad, and J.A.K. Mazet. 2003. Patterns of mortality in southern sea otters (*Enhydra lutris nereis*) from 1998–2001. *J. Wildl. Dis.* 2003; 39: 495–509.
- Land IQ, LLC. 2017. 2014 Crop Mapping. Available at: https://gis.water.ca.gov/app/CADWRLandUseViewer/downloads/atlas_i15_CropMapping2014.gdb.zip. Accessed: October 2017.
- Limm, E.B., K.A. Simonin, A.G. Bothman, and T.E. Dawson. 2009. Foliar water uptake: a common water acquisition strategy for plants of the redwood forest. *Oecologia*. 2009 161:449-459. Available at: <https://link.springer.com/content/pdf/10.1007%2Fs00442-009-1400-3.pdf>. Accessed: January 2019.
- Lincoln, R., G. Boxshall, and P. Clark. 1998. *A Dictionary of Ecology, Evolution and Systematics*. Second Edition. Cambridge University Press, Cambridge, UK.
- Lindley, S.T., C.B. Grimes, M.S. Mohr, W.T. Peterson, J.E. Stein, J.J. Anderson, L.W. Botsford, D.L. Bottom, C.A. Busack, T.K. Collier, and J.W. Ferguson. 2009. What caused the Sacramento River fall Chinook stock collapse? U.S. Department of Commerce, National Oceanic and Atmospheric

- Administration, National Marine Fisheries Service, Southwest Fisheries Science Center, Fisheries Ecology Division.
- Lockwood, J.L., M.F. Hoopes, and M.P. Marchetti. 2013. *Invasion Ecology*. 2nd edition. John Wiley & Sons.
- Mantua, N.J., S.R. Hare, Y. Zhang, J.M. Wallace, and R.C. Francis. 1997. A Pacific interdecadal climate oscillation with impacts on salmon production. *Bulletin of the American Meteorological Society* 78: 1069-1079.
- Marlon, J.R., P.J. Bartlein, D.G. Gavin, C.J. Long, R.S. Anderson, C.E. Briles, K.J. Brown, D. Colombaroli, D.J. Hallett, M.J. Power, E.A. Scharf, and M.K. Walsh. 2012. Long-term perspective on wildfires in the western USA. Available at: <https://www.pnas.org/content/pnas/early/2012/02/09/1112839109.full.pdf>. Accessed: January 2019.
- Mayer, K.E. and W.F. Laudenslayer, Jr. 1988. A guide to wildlife habitats of California. Available at: <https://www.wildlife.ca.gov/Data/CWHR/Wildlife-Habitats>. Accessed: January 2019.
- McGraw, J. 2008. Rapid Biological Resource Assessment for the Salinas River, Monterey County, California. Prepared for The Nature Conservancy, San Francisco, CA.
- Monterey County Agricultural Commissioner. 1929. Monterey County Agricultural Commission Crop Report Year 1929. Available at: <http://www.co.monterey.ca.us/government/departments-a-h/agricultural-commissioner/forms-publications/crop-reports-economic-contributions#ag>. Accessed: January 2019.
- Monterey County Parks Department. 2011. Agricultural Resources Evaluation Handbook, Monterey County, California. Available at: http://www.co.monterey.ca.us/planning/docs/plans/Agricultural_Resources_Evaluation_Handbook.pdf. Accessed: May 2018.
- Monterey County Water Resources Agency. 2006. Monterey County Groundwater Management Plan. May. 76 pp. Available at: <http://www.co.monterey.ca.us/home/showdocument?id=22563>. Accessed: July 2018.
- Monterey County Water Resources Agency. 2012. Ground Water Summary Report 2011. October. 16 pp.
- Monterey County Water Resources Agency. 2013. Sandbar Management Activities 2012. April. 4 pp.
- Monterey County Water Resources Agency. 2014. Salinas River Stream Maintenance Program Revised Final Environmental Impact Report. State Clearing House #2011041066. June. 332 pp. Available at: <http://www.co.monterey.ca.us/home/showdocument?id=19196>. Accessed April 2018.
- Monterey County Water Resources Agency. 2017a. Recommendations to Address the Expansion of Seawater Intrusion in the Salinas River Groundwater Basin. Special Reports Series 17-01. October. 244 pp.
- Monterey County Water Resources Agency. 2017b. 2015 Groundwater Extraction Summary Report. April.

- Monterey County Water Resources Agency. 2018a. California Statewide Groundwater Elevation Monitoring Program Data by Subarea from 1995-2015. October.
- Monterey County Water Resources Agency. 2018b. Salinas River Sandbar Management Activities. March 23-25, 2018. 4 pp.
- Monterey County Water Resources Agency. Salinas River Sandbar Closure Date. Unpublished Data. Last updated: April 22, 2018.
- Monterey County Water Resources Agency and Hagar Environmental Science. 2015. Salinas River Lagoon Monitoring Report 2014. June.
- Monterey Fire Safe Council. 2010. Monterey County Community Wildfire Protection Plan. Available at: <http://www.firesafemonterey.org/mccwpp.html>. Accessed: September 2018.
- Montgomery Watson. 1997. Salinas Valley Integrated Ground Water and Surface Model Update. Final Report. Prepared for Monterey County Water Resources Agency.
- Montgomery Watson. 1998. Salinas Valley Historical Benefits Analysis (HBA). Final Report. April 1998. Prepared for the Monterey County Water Resources Agency.
- Moritz, M.A., M.A. Parisien, E. Batllori, M.A. Krawchuck, J. Van Dorn, D.J. Ganz, and K. Hayhoe. 2012. Climate change and disruptions to global fire activity. *Ecosphere* 3:1-22.
- Naik, P.K., and D.A. Jay. 2011a. Distinguishing human and climate influences on the Columbia River: Changes in mean flow and sediment transport. *Journal of Hydrology* 404(3-4):259-277.
- Naik, P.K., and D.A. Jay. 2011b. Human and climate impacts on Columbia River hydrology and salmonids. *River Research and Applications* 27(10):1270-1276.
- National Center for Atmospheric Research. 2012. The Climate Data Guide: PRISM High-Resolution Spatial Climate Data for the United States: Max/min temp, dewpoint, precipitation. Available: <https://climatedataguide.ucar.edu/climate-data/prism-high-resolution-spatial-climate-data-united-states-maxmin-temp-dewpoint>. Accessed: July 2018.
- National Climate Data Center. 2000. Climatography of the United States No. 81. Monthly Normals of Temperature, Precipitation, and Heating and Cooling Degree Days. 1971-2000. California. 73 pp.
- National Climate Data Center. 2010a. Data Tools 1981-2010 Normals, King City, CA US. Available at: <https://www.ncdc.noaa.gov/cdo-web/datatools/normals>. Accessed: May 2018.
- National Climate Data Center. 2010b. Data Tools 1981-2010 Normals, Monterey, CA US. Available at: <https://www.ncdc.noaa.gov/cdo-web/datatools/normals>. Accessed: August 2018.
- National Climate Data Center. 2010c. Data Tools 1981-2010 Normals, Paso Robles, CA US. Available at: <https://www.ncdc.noaa.gov/cdo-web/datatools/normals>. Accessed: August 2018.
- National Climate Data Center. 2010d. Data Tools 1981-2010 Normals, Pinnacles NM, CA US. Available at: <https://www.ncdc.noaa.gov/cdo-web/datatools/normals>. Accessed: August 2018.
- National Climate Data Center. 2010e. Data Tools 1981-2010 Normals, Salinas Airport, CA US. Available at: <https://www.ncdc.noaa.gov/cdo-web/datatools/normals>. Accessed: May 2018.

- National Marine Fisheries Service. 2007. Biological Opinion for the Salinas Valley Water Project. File Number: SWR/2003/2080. Prepared for Monterey County Water Resources Agency. Issued on June 2007. 125 pp.
- National Marine Fisheries Service. 2013. South-Central California Steelhead Recovery Plan. West Coast Region, California Coastal Area Office, Long Beach, California.
- National Marine Fisheries Service. 2018. South-Central California Steelhead Distribution and Critical Habitat. GIS Spatial Data DS0122_20050901. Available: <https://map.dfg.ca.gov/metadata/ds0122.html>. Accessed June 2018.
- Neuman, K., G. Page, L. Stenzel, J. Warriner, and J. Warriner. 2004. Effect of Mammalian Predator Management on Snowy Plover Breeding Success. *Waterbirds: The International Journal of Waterbird Biology*, 27(3), 257–263. Available at: <http://www.jstor.org/stable/1522499>.
- Neville, H., J. Dunham, A. Rosenberger, J. Umek, and B. Nelson. 2009. Influences of wildfire, habitat size, and connectivity on trout in headwater streams revealed by patterns of genetic diversity. *Transactions of the American Fisheries Society*, 138(6), pp.1314-1327.
- Nicotra, A.B., E.A. Beever, A.L. Robertson, G.E. Hofmann, and J. O'leary. 2015. Assessing the components of adaptive capacity to improve conservation and management efforts under global change. *Conservation Biology*, 29(5), pp.1268-1278.
- Parmesan, C. and G. Yohe. 2003. A globally coherent fingerprint of climate change impacts across natural systems. *Nature*. 421:37-42.
- Pausas, J.G. and J.E. Keeley. 2009. A burning story: the role of fire in the history of life. *BioScience*, 59(7), pp.593-601.
- Penrod, K., P.E. Garding, C. Paulman, P. Beier, S. Weiss, N. Schaefer, R. Branciforte and K. Gaffney. 2013. Critical Linkages: Bay Area & Beyond. Produced by Science & Collaboration for Connected Wildlands, Fair Oaks, CA www.scwildlands.org in collaboration with the Bay Area Open Space Council's Conservation Lands Network www.BayAreaLands.org.
- Pierce, J.L., G.A. Meyer, and A.T. Jull. 2004. Fire-induced erosion and millennial-scale climate change in northern ponderosa pine forests. *Nature*, 432(7013), p.87.
- Ralls, K., and P.J. White. 1995. Predation on San Joaquin Kit Foxes by Larger Canids, *Journal of Mammalogy*, Volume 76, Issue 3, 18 August 1995, Pages 723-729, Available at: <https://doi.org/10.2307/1382743>.
- Regional Water Management Group. 2013. Integrated Regional Water Management Plan for the Greater Monterey County Region. Section R Climate Change. Available at: <http://www.greatermontereyirwmp.org/documents/plan/>. Accessed: on June 2018.
- Resource Conservation District of Monterey County. 2018. Arundo Removal Project Information. Available at: <https://www.rcdmonterey.org/salinas-river-arundo-and-tamarisk-control>
- Revel Coastal. 2016. City of Monterey Final Sea Level Rise and Vulnerability Analyses, Existing Conditions and Issues Report. Created for the City of Monterey. March 2016. Available at: https://monterey.org/Portals/0/Policies-Procedures/Planning/WorkProgram/LCP/16_0316_FINAL_Monterey_ExistingConditions_wAppendixA_WEB.pdf.

- Rich, A. and E.A. Keller. 2011. Watershed controls on the geomorphology of small coastal lagoons in an active tectonic environment. *Estuaries and Coasts* DOI 10.1007/s12337-011-9439-x.
- Roberson, D. 2002. *Monterey Birds: Status and Distribution of Birds in Monterey County, California*. Monterey Peninsula Audubon Society, Carmel, California.
- Rosenberg, Lewis I. 2001. *Geologic Resources and Constraints, Monterey County, California*, A Technical Report for the Monterey County 21st Century General Plan Update Program, County of Monterey Environmental Resource Policy Department, April, 176 pgs.
- Rosenberg, Lewis I., and Martin B. Feeney. 2001. *Potential Aquifer Recharge Areas of Monterey County, California*.
- Rosenberg, Lewis I., and Joseph C. Clark. 2009. *Map of the Rinconada and Reliz Fault Zones, Salinas River Valley, California: U.S. Geological Survey Scientific Investigations Map 3059, scale 1:250,000 with pamphlet*. Available at: <https://pubs.usgs.gov/sim/3059/>. Accessed: January 2019.
- San Francisco Estuary Institute. 2009. *Historical Ecology Reconnaissance for the Lower Salinas River*. Prepared for The Nature Conservancy Monterey County Project. August 2009. Available at: <http://www.sfei.org/projects/lower-salinas-river-historical-ecology-reconnaissance#sthash.AmbvCtsW.dpbs>.
- Seavy, N.E., T. Gardali, G.H. Golet, F.T. Griggs, C.A. Howell, R. Kelsey, S.L. Small, J.H. Viers and J.F. Weigand. 2009. Why Climate Change Makes Riparian Restoration More Important than Ever: Recommendations for Practices and Research. *Ecological Restoration* 27(3): 330-338.
- 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*, 16(1), pp.97-112.
- Sharp, B.L. and B.E. Kus. 2006. Factors influencing the incidence of cowbird parasitism of least Bell's vireos. *The Journal of wildlife management*, 70(3), pp.682-690.
- Skibba, Ramin. 2016. *Mapping Fog: Charting the Comings and Goings of the Coast's Frequent Visitor*. Available at: <http://www.montereyherald.com/environment-and-nature/20160218/mapping-fog-charting-the-comings-and-goings-of-the-coasts-frequent-visitor>. Accessed: August 2018.
- Sloan, R.M. 2006. *Ecological investigations of a fish kill in Pescadero Lagoon, California*. Master's Thesis. San Jose State University, San Jose, California.
- Snyder, J.O. 1913. The fishes of the streams tributary to Monterey Bay, California. *Bulletin of the United States Bureau of Fisheries* 32(1912):47-72.
- Snyder, M.A. and L.C. Sloan. 2005. Transient future climate over the western United States using a regional climate model. *Earth Interactions* 9(11).
- Spence, B.C., and J.D. Hall. 2010. Spatiotemporal patterns in migration timing of coho salmon (*Oncorhynchus kisutch*) smolts in North America. *Canadian Journal of Fisheries and Aquatic Sciences* 67(8):1316-1334.
- Spencer, W.D., P. Beier, K. Penrod, K. Winters, C. Paulman, H. Rustigian-Romsos, J. Strittholt, M. Parisi, and A. Pettler. 2010. *California Essential Habitat Connectivity Project: A Strategy for*

- Conserving a Connected California. Prepared for California Department of Transportation, California Department of Fish and Game, and Federal Highways Administration.
- State Water Resources Control Board. 2018. State 2014 and 2016 California Integrated Report. Available at: https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml. Accessed: January 2019.
- Stenseth, N.C., G. Ottersen, J.W. Hurrell, A. Mysterud, M. Lima, K.S. Chan, N.G. Yoccoz, and B. Adlandsvik. 2003. Studying climate effects on ecology through the use of climate indices: the North Atlantic Oscillation, El Niño Southern Oscillation and beyond. *Proceedings of the Royal Society of London, B* 270: 2087-2096.
- Stromberg, J.C., S.J. Lite, R. Marler, C. Paradzick, P.B. Shafroth, D. Shorrock, J.M. White, and M.S. White. 2007. Altered stream-flow regimes and invasive plant species: the Tamarix case. *Global Ecology and Biogeography*, 16(3), pp.381-393.
- Swift C.C., J.L. Nelson, C. Maslow, T. Stein. 1989. Biology and distribution of the tidewater goby, *Eucyclogobius newberryi* (Pisces: Gobiidae) of California. *Contributions in Science* 404. Natural History Museum of Los Angeles County, Los Angeles.
- The Nature Conservancy. 2008. Vegetation – Salinas River, 2008 [ds615]. Available at: <https://data.cnra.ca.gov/dataset/vegetation-salinas-river-2008-ds615>. Accessed: January 2019.
- The Nature Conservancy. 2012. Land use and land cover: Salinas Valley, Monterey County, California, 2012. Available at: <https://searchworks.stanford.edu/view/cn773xf9654>. Accessed: January 2019.
- The Nature Conservancy, Aerial Information Systems, and Stanford University. 2014. Salinas Generalized Land Use/Land Cover Mapping. GIS data transfer from Bethany Hackenjos, FlowWest to Danielle Tannourji, ICF.
- Thompson, J. N. and D.A. Beauchamp. 2014. Size-selective mortality of steelhead during freshwater and marine life-stages related to freshwater growth in the Skagit River, Washington. *Transactions of the American Fisheries Society* 143(4):910-925.
- Titus, R.G., D.C. Erman, and W.M. Snider. 2002. History and status of steelhead in California coastal drainages south of San Francisco Bay. July 5. Draft manuscript.
- Turco, M., M.C. Llasat, J.V. Hardenberg, and A. Provenzale. 2014. Climate change impacts on wildfires in a Mediterranean environment. *Climatic Change*, 125(3-4), pp.369-380.
- U.S. Bureau of Reclamation. 2017. Plan of Study: Carmel and Salinas Rivers Basin Study. Bureau of Reclamation, Mid-Pacific Region. January. 91 pp.
- U.S. Department of Agriculture. 1910. Percent of Land Area in Farms, and Average Value of Farm Land Per Acre, In California by Counties.
- U.S. Department of Agriculture. 1930. Agriculture-California. County Table 1. Farms and Farm Acreage.
- U.S. Department of Agriculture. 1940. Census of Agriculture-California. County Table 1. Farms and Farm Acreage.
- U.S. Department of Agriculture. 1950. Statistics for Counties. County Table Farms and Farm Acreage.

- U.S. Department of Agriculture. 1959. Statistics for Counties. County Table Farms and Farm Acreage.
- U.S. Department of Agriculture. 1969. County Summary–1969 Census of Agriculture. County Table Farms and Farm Acreage.
- U.S. Department of Agriculture. 1978. Number, Land, and Value of Farms: 1978 and 1974. County Table Farms and Farm Acreage.
- U.S. Department of Agriculture. 1992. County Summary Highlights: 1992. County Table Farms and Farm Acreage.
- U.S. Department of Agriculture. 2012a. 2012 Census of Agriculture, County Data. Available at: https://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_2_County_Level/California/st06_2_001_001.pdf. Accessed May 2018.
- U.S. Department of Agriculture. 2012b. 2012 Census of Agriculture, United States Data. Available at: https://www.agcensus.usda.gov/Publications/2012/Full_Report/Volume_1,_Chapter_1_US/st9_1_001_001.pdf. Accessed May 2018 .
- U.S. Department of Agriculture. 2017. Existing Vegetation Mid Region 5 Central Coast—CALVEG, Pacific Southwest Region. Available: https://data.fs.usda.gov/geodata/edw/edw_resources/fc/S_USA.EVMid_R05_CentralCoast.gdb.zip. Accessed: June 2018.
- U.S. Department of Agriculture. 2018. Gridded Soil Survey Geographic Database. Web Soil Survey. Available at: <https://websoilsurvey.nrcs.usda.gov/>.
- U.S. Department of the Interior. 2018. Geospatial Multi-Agency Coordination Wildland Fire Support. Historical and Current Fire Perimeter Data. Available: <https://rmgsc.cr.usgs.gov/outgoing/GeoMAC/>. Accessed: July 2018.
- U.S. Environmental Protection Agency. 1997. Climate change and California. EPA, Office of Policy, Planning and Evaluation Publication No. 230-F-97-008e.
- U.S. Environmental Protection Agency. 2018. 2014 and 2016 California Integrated Report (Clean Water Act Section 303(d) List and 305(b) Report). Last updated: April 2018. Available at: https://www.waterboards.ca.gov/water_issues/programs/tmdl/integrated2014_2016.shtml.
- U.S. Fish and Wildlife Service. 2002a. Salinas River National Wildlife Refuge Comprehensive Conservation Plan Summary. Sacramento, CA. December.
- U.S. Fish and Wildlife Service. 2002b. Endangered and threatened wildlife and plants; final designation of critical habitat for *Chlorogalum purpureum*, a plant from the south coast ranges of California. Fed. Register, 67:65414–65445.
- U.S. Fish and Wildlife Service. 2006. Least Bell’s Vireo (*Vireo bellii pusillus*) 5-Year Review Summary and Evaluation. September. Carlsbad Fish and Wildlife Office, Carlsbad, CA.
- U.S. Fish and Wildlife Service. 2007. Draft Biological Opinion on Issuance of Department of the Army Permits to the Monterey County Water Resources Agency for Construction of a Surface Water Diversion Structure in the Salinas River, Near the City of Salinas (Corps File Number 24976S) and for Breaching of the Salinas River Lagoon (Corps File Number 16798S) in Monterey County, California (1-8-06-F-54). July 2007.

- U.S. Fish and Wildlife Service. 2013. Recovery Plan for Tidal Marsh Ecosystems of Northern and Central California. Sacramento, CA. xviii + 605 pp.
- U.S. Fish and Wildlife Service. 2015. Southern Sea Otter (*Enhydra lutris nereis*) 5-Year Review: Summary and Evaluation. Ventura Fish and Wildlife Office Ventura, California. September 2015.
- U.S. Fish and Wildlife Service. 2018a. National Wetlands Inventory. Available at: <https://www.fws.gov/wetlands/Data/Data-Download.html>. Accessed: June 2018.
- U.S. Fish and Wildlife Service. 2018b. Information, Planning, and Conservation (IPaC) System. Available at: <https://www.fws.gov/ipac/>. Accessed: June 2018.
- U.S. Forest Service. 2017. Existing Vegetation Mid Region 5 Central Coast—CALVEG, Pacific Southwest Region. Available at: https://data.fs.usda.gov/geodata/edw/edw_resources/fc/S_USA.EVMid_R05_CentralCoast.gdb.zip. Accessed: June 2018.
- U.S. Geological Survey. 2016. California National Hydrography Dataset (NHD). Available at: <http://prd-tnm.s3-website-us-west-2.amazonaws.com/?prefix=StagedProducts/Hydrography/NHD/State/HighResolution/GDB>. Accessed: August 2018.
- U.S. Geological Survey. 2017. National Hydrography Dataset, Watershed Boundaries. Available: https://www.usgs.gov/core-science-systems/ngp/national-hydrography/watershed-boundary-dataset?qt-science_support_page_related_con=4#qt-science_support_page_related_con. Page Last Modified: August 23, 2017. Accessed: August 2018.
- U.S. Geological Survey. 2018. USGS Water Data for USA. Available at: <https://nwis.waterdata.usgs.gov/nwis>. Accessed: August 2018.
- U.S. National Vegetation Classification System. 2017. United States National Vegetation Classification Database. V2.01. Federal Geographic Data Committee, Vegetation Subcommittee, Washington DC. Available at: <http://usnvc.org/explore-classification>. Accessed: January 2019
- Van der Putten, W.H., M. Macel, and M.E. Visser. 2010. Predicting species distribution and abundance responses to climate change: why it is essential to include biotic interactions across trophic levels. *Philosophical Transactions of the Royal Society B: Biological Sciences*, 365(1549), 2025–2034. Available at: <http://doi.org/10.1098/rstb.2010.0037>.
- Vasey, M.C., M.E. Loik, and V.T. Parker. 2012. Influence of summer marine fog and low cloud stratus on water relations of evergreen woody shrubs (Arctostaphylos: Ericaceae) in the chaparral of central California. *Oecologia*, 170(2), 325-337.
- Walters, A.W., K.K. Bartz, and M.M. McClure. 2013. Interactive effects of water diversion and climate change for juvenile Chinook salmon in the Lemhi River Basin (U.S.A.). *Conservation Biology* 27(6):1179-189.
- Watson, F., M. Angelo, T. Anderson, J. Casagrande, D. Kozlowski, W. Newman, J. Hager, D. Smith, B. Curry. 2003. Salinas Valley Sediment Sources. Report No. WI-2003-06, The Watershed Institute, California State University Monterey Bay. Prepared for the Central Coast Regional Water Quality Control Board. 239 pp. Available at: http://science.csumb.edu/%7Eeccows/pubs/reports/CCoWS_SalSedReport_030530c.pdf

Whitney, J.E., K.B. Gido, T.J. Pilger, D.L. Propst, and T.F. Turner. 2015. Consecutive wildfires affect stream biota in cold-and warmwater dryland river networks. *Freshwater Science*, 34(4), pp.1510-1526.

Willson, M.F. and K.C. Halupka. 1995. Anadromous fish as keystone species in vertebrate communities. *Conservation Biology* 9(3):489-497.

6.3.1 Personal Communications

Smith, Jerry J. Associate Professor. San Jose State University, San Jose, CA. March 3, 2004—*Lagoon Ecology of Central Coast Steelhead and Tidewater Goby* Handout in Fisheries Science to Rebecca Sloan, Master's Student, San Jose State University, San Jose, California.

6.4 Chapter 4, Management Plan

California Department of Water Resources. 1946. Salinas Basin Investigation Summary Report. Bulletin 52. Available at: https://digitalcommons.csusb.edu/hornbeck_cgb_1/6/.

CALFED. 1976. Nacimiento Dam and Nacimiento River Case Study Report #79. Available at: http://www.calwater.ca.gov/Admin_Record/C-064356.pdf.

California Invasive Plant Council. 2011. *Arundo donax*. Distribution and impact report. March. Agreement No. 06-374-559-0 State Water Resources Control Board. Available at: https://www.cal-ipc.org/wp-content/uploads/2017/11/Arundo_Distribution_Impact_Report_Cal-IPC_March-2011_small.pdf. Accessed: January 2019.

Central Coast Regional Water Quality Control Board. 2018. Staff Report for Regular Meetings of November 18-19, 2018. Available: https://www.waterboards.ca.gov/centralcoast/board_info/agendas/2018/november/item5/item5_stfrpt.pdf. Accessed: February 15, 2019.

Ford, L.D., P.A. Van Hoorn, D.R. Rao, N.J. Scott, P.C. Trenham, and J.W. Bartolome. 2013. *Managing Rangelands to Benefit California Red-legged Frogs and California Tiger Salamanders*. Livermore, California: Alameda County Resource Conservation District. Available: http://www.rangelandconservation.com/Documents/ManagingRangelandsCRLF_CTS.pdf. Accessed: February 15, 2019.

Cluer, B. and J. McKeon. 2005. *The Problem of Repetitive Sand Dunes in the Salinas River: With Recommended Flows to Create Fish Passage through the Sand-Dune Field*.

Matthews, K. R. and N. H. Berg. 1997. Rainbow trout responses to water temperature and dissolved oxygen stress in two southern California stream pools. *Journal of Fish*. Volume 50, Issue 1. January.

Monterey County Water Resources Agency. 2005. *Salinas Valley Water Project Flow Prescription for Steelhead Trout in the Salinas River*. October. 140 pp.

Monterey County Water Resources Agency. 2014. *Salinas River Stream Maintenance Program Revised Final Environmental Impact Report*. State Clearing House #2011041066. June. 332 pp.

- Moyle, P.B. 2002. *Inland Fishes of California*. University of California Press, Oakland.
- San Francisco Estuary Institute. 2009. *Historical Ecology Reconnaissance for the Lower Salinas River*. Prepared for The Nature Conservancy Monterey County Project. August 2009. Available at: <http://www.sfei.org/projects/lower-salinas-river-historical-ecology-reconnaissance#sthash.AmbvCtsW.dpbs>.
- Spencer, W.D., P. Beier, K. Penrod, K. Winters, C. Paulman, H. Rustigian-Romsos, J. Strittholt, M. Parisi, and A. Pettler. 2010. *California Essential Habitat Connectivity Project: A Strategy for Conserving a Connected California*. Prepared for California Department of Transportation, California Department of Fish and Game, and Federal Highways Administration.
- U.S. Fish and Wildlife Service. 2005. *Recovery Plan for the Tidewater Goby (Eucyclogobius newberryi)*. U.S. Fish and Wildlife Service, Portland, OR. 199 pp.
- U.S. Fish and Wildlife Service. 2007. *Draft Biological Opinion on Issuance of Department of the Army Permits to the Monterey County Water Resources Agency for Construction of a Surface Water Diversion Structure in the Salinas River, Near the City of Salinas (Corps File Number 24976S) and for Breaching of the Salinas River Lagoon (Corps File Number 16798S) in Monterey County, California (1-8-06-F-54)*. July 2007.

6.4.1 Personal Communications

- Zefferman, Emily. 2018. *Ecologist. Resource Conservation District of Monterey County. Long-Term Effectiveness Plan for the Salinas River Stream Maintenance Program*. Email to Kathryn Gaffney—Project Manager. ICF. November 26.

6.5 Chapter 5, Implementation

- Williams, B. K., C. Szaro, and D. Shapiro. 2007. *Adaptive Management: The U.S. Department of the Interior Technical Guide*. Adaptive Management Working Group. Department of the Interior. Washington, D.C. Available at: <https://www.doi.gov/sites/doi.gov/files/migrated/ppa/upload/openingpgs.pdf>.