

13.0 LITERATURE CITED AND PREPARATION STAFF

13.1 PREPARATION STAFF

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13.2 LITERATURE CITED

- Adams, M. J. 1999. Correlated factors in amphibian decline: exotic species and habitat change in western Washington. *Journal of Wildlife Management* 63:1162–1171.
- Adams, M. J. 2000. Pond permanence and the effects of exotic vertebrates on anurans. *Ecological Applications* 10:559–568.
- Albertson, J. D. and J. G. Evens. 2000. California clapper rail. Pages 332-341 *In* P. R. Olofson, editor. *Baylands Ecosystem Species and Community Profiles: Life Histories and Environmental Requirements of Key Plants, Fish, and Wildlife*. Prepared by the San Francisco Bay Area Wetlands Ecosystem Goals Project. San Francisco Bay Regional Water Quality Control Board, Oakland, CA.
- AMEC Earth and Environmental and Foothill Associates. 2001. Gridley Trust Mitigation Bank Monitoring Report. Prepared for Gridley Trust, Sausalito, Ca.
- Amphibian Research and Monitoring Initiative (ARMI). 2005. armi.usgs.gov.
- Anderson, S. and L. F. Marcus. 1993. Effect of quadrat size on measurements of species density. *Journal of Biogeography* 20:421–428.
- Anderson, P. R. 1968. The reproductive and developmental history of the California tiger salamander. Masters Thesis, Department of Biology, Fresno State College, Fresno, CA.
- Anderson, M., P. Comer, D. Grossman, C. Groves, K. Poiani, M. Reid, R. Schneider, B. Vickery, and A. Weakley. 1999. Guidelines for Representing Ecological Communities in Ecoregional Conservation Plans. The Nature Conservancy, Arlington, VA. 74 pp.
- Anderson, Richard L., Julie L. Dinsdale, and Ronald Schlorff. 2007. California Swainson's Hawk Inventory: 2005-2006, UC Davis Wildlife Health Center, Department of Fish and Game Resource Assessment Program. Final Report #P048902, May 31, 2007.

- Anonymous. 1980. The Endangered San Francisco Silverspot Butterfly of California. Xerces Society Educational Leaflet 5:1-4.
- Arnold, R. A. 1985. Geographic variation in natural populations of Boisduval (*Speyeria callippe*) (Lepidoptera: Nymphalidae). *Pan-Pacific Entomologist* 61:1-23.
- Arrhenius, O. 1921. Species and area. *Journal of Ecology* 9:95-99.
- Association of Bay Area Governments. 2002. Regional housing needs determination for the San Francisco Bay Area: 2001-2006 housing element cycle. ABAG, Oakland, CA.
- 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 habitat conservation plans. USGS Western Ecological Research Center, Sacramento, CA.
- Atwater, B., S. Conrad, J. Dowden, C. Hedel, R. MacDonald and W. Savage. 1979. History, landforms, and vegetation of the estuary's tidal marshes. In T. J. Conomos, editor. *San Francisco Bay: the urbanized estuary*. Pacific Division, American Association for the Advancement of Science 58th Annual Meeting, San Francisco State University, San Francisco, CA. June 12-16, 1977.
- Babcock, K. W. 1995. Home range and habitat use of breeding Swainson's Hawks in the Sacramento Valley of California. *Journal of Raptor Research* 29:193-197.
- Baird, S. and C. Girard. 1852. Appendix C: Reptiles. Pages 336-355 In H. Stansbury, editor. *Exploration and Survey of the Valley of the Great Salt Lake of Utah*. Lippincott, Grambo & Co. Philadelphia, PA.
- Barbour, M. G, Ayziki Solomeshch and Jennifer J. Buck. 2007. Classification, Ecology Characterization, and Presence of Listed Plant Taxa of Vernal Pool Associates in California. Final Report. United States Fish and Wildlife Service Agreement/Study NO. 814205G238. University of California Davis Account No. 3-APSF026, Subaccount NO. FMGB2. 15 May 2007.
- Barclay, W.R. and A.W. Knight. 1984. Physio-chemical processes affecting production in a turbid vernal pool. Pp. 126-142. In S. Jain and P. Moyle (eds.). *Vernal pools and intermittent streams*. Inst. Ecol. Pub. 28. Univ. Calif. Davis, California.
- Barrett, R. H. 1980. Mammals of California oak habitats: management implications. Pages 275-291 In T. R. Plumb, editor. *Ecology, management, and utilization of California oaks*. USDA Forest Service GTR PSW-44, Berkeley, CA.
- Bates, L. A., W. H. Dollarhide, G. Kliewer, G. S. Staidl and C. Goudey. 1977. *Soil Survey of Solano County*. USDA Soil Conservation Service and UC Agricultural Experiment Station.

- Bay Area Stormwater Management Agencies Association. 1999. Start at the Source. Residential Site Planning & Design Guidance Manual for Stormwater Quality Protection. California Regional Water Quality Control Board, San Francisco Bay Region. Oakland, CA.
- Behnke, R. J. 1992. Native trout of western North America. American Fisheries Society Monograph 6:1-275.
- Belden, L. K. and A. R. Blaustein. 2002. Population differences in sensitivity to UV-B radiation for larval long-toed salamanders. Ecology 83:1586-1590.
- Belk, D. and M. Fugate. 2000. Two new Branchinecta (Crustacea: Anostraca) from the southwestern United States. The Southwestern Naturalist 45:111-117.
- Belsky, A. J., A. Matzke and S. Uselman. 1999. Survey of livestock influences on stream and riparian ecosystems in the western United States. Journal of Soil and Water Conservation 54:419-431.
- Belthoff, J. R. and B. W. Smith. 2003. Patterns of artificial burrow occupancy and reuse by burrowing owls in Idaho. Wildlife Society Bulletin 31:138-144.
- Bennett, W. A. and P. B. Moyle. 1996. Where have all the fishes gone? Interactive factors producing fish declines in the Sacramento-San Joaquin estuary. Pages 519-541 In J. T. Holibaugh, editor. *San Francisco Bay: the Ecosystem*. Pacific Division, American Association for the Advancement of Science, San Francisco, CA.
- Black, S. H. and D. M. Vaughan. 2005. Species Profile: *Speyeria callippe callippe*. In M. D. Shepherd, D. M. Vaughan and S. H. Black, editors. *Red List of Pollinator Insects of North America*. CD-ROM Version 1, May 2005. The Xerces Society for Invertebrate Conservation, Portland, OR
- Blair, R. B. 1996. Land use and avian species diversity along an urban gradient. Ecological Applications 6:506-519.
- Blaustein A. R. and J. M. Kiesecker. 1996. The effect of ultraviolet radiation on amphibians in the Pacific Northwest. Bulletin of the Ecological Society of America, 77:40.
- Block, W. M. and M. L. Morrison. 1998. Habitat relationships of amphibians and reptiles in California oak woodlands. Journal of Herpetology 32:51-60.
- Bloom, P. H. 1980. The status of Swainson's hawks in California, 1979. Job 11-8-0 Final Report. Federal Aid in Wildlife Restoration, Project W-54-R12. California Department of Fish and Game, Nongame Wildlife Investigations, Sacramento, CA.
- Boecklen, W. J. and D. Simberloff. 1986. Area based extinction models. Pages 247-276 In D. K. Elliot, editor. *Dynamics of extinction*. John Wiley and Sons, New York, NY.
- Brattstrom, B. H. 1988. Habitat destruction in California with special reference to *Clemmys marmorata*: A perspective [sic]. Pages 13-24 In H. F. DeLisle, P. R. Brown, B. Kaufman and

- B. McGurty, editors. *Proceedings of the Conference on California Herpetology*. Southwestern Herpetologist Society Special Publication 4.
- Brode, J. 1988. Natural history of the giant garter snake (*Thamnophis couchii gigas*). Pages 25–28 In H. F. DeListe, P. R. Brown, B. Kaufman and B.M. McGurty, editors. *Proceedings of the Conference on California Herpetology*. Southwestern Herpetologist Society Special Publication 4.
- Brown R. L. 2004. *Summary of the 2004 Workshop: Making Science Work for Suisun Marsh*. San Francisco Bay-Delta Science Consortium, www.baydeltaconsortium.org.
- Burcham, L. T. 1957. *California Rangeland*. California Department of Agriculture Handbook Number 296, Sacramento, CA.
- Bury, R. B. and D. C. Holland. in press. *Clemmys marmorata* (Baird and Girard 1852). *Conservation Biology of Freshwater Turtles, Volume 2*. The World Conservation Union Publications, Gland, Switzerland.
- Buskirk, S. 1992. Conserving circumboreal forests for martens and fishers. *Conservation Biology* 6:318-320.
- California Burrowing Owl Consortium. 1997. Burrowing owl survey protocol and mitigation guidelines. Pages 171-177 In J. L. Lincer and K. Steenhof editors. *The Burrowing Owl: Its Biology and Management, Proceedings of the First International Symposium*. Raptor Research Report Number 9.
- California Department of Fish and Game. 1988. 5-year Status Report on Swainson's hawk. California Department of Fish and Game, Sacramento, CA.
- _____. 1994a. Amphibian and Reptile Species of Special Concern in California: Western Pond Turtle. California Department of Fish and Game, Sacramento, CA.
- _____. 1994b. Draft Nonregulatory Guidelines for Determining Appropriate Mitigation for Impacts to Swainson's Hawks (*Buteo swainsoni*) in the Central Valley of California. March 22.
- _____. 1995a. Staff Report on Burrowing Owl Mitigation. California Department of Fish and Game, Sacramento, CA.
- _____. 1995b. Fish Species of Special Concern in California: Sacramento Splittail. California Department of Fish and Game, Sacramento, CA.
www.dfg.ca.gov/hcpb/cgi-bin/read_one.asp?specy=fish&idNum=64.
- _____. 2000a. Survey protocols for rare, threatened, and endangered plants and natural communities. California Department of Fish and Game, Sacramento, CA.

- _____. 2000b. The Status of Rare, Threatened, and Endangered Animals and Plants in California, Swainson's Hawk. California Department of Fish and Game. Available on the Internet at: http://www.dfg.ca.gov/hcpb/species/t_e_spp/tebird/tebirda.shtml.
- _____. 2001. Special Natural Communities List. California Natural Diversity Data Base (CNDDDB). California Department of Fish and Game, Sacramento, CA
- _____. 2003a. *Atlas of the Biodiversity of California*. California Department of Fish and Game, Sacramento, CA.
- _____. 2003b. Evaluation of Petition: Request of the Center for Biological Diversity et al. to List the Western Burrowing Owl (*Athene cunicularia hypugaea*) as a Threatened or Endangered Species. California Department of Fish and Game, Sacramento, CA.
- _____. 2004a. California Natural Diversity Database (CNDDDB). California Department of Fish and Game, Sacramento, CA.
- _____. 2004b. Resource Assessment Project Status Summary: Burrowing Owl Mitigation Effectiveness Project. California Department of Fish and Game, Sacramento, CA. www.dfg.ca.gov/habitats/rap/pdf/summaries/0001-summary.pdf
- California Department of Water Resources. 1994. *Land Use Survey Data*. Division of Planning and Local Assistance. www.landwateruse.water.ca.gov/basicdata/landuse/digitalsurveys.cfm.
- _____. 1996. Brackish Marsh Vegetation Subcommittee Report. Interagency Ecological Program, Suisun Ecological Workshop. iep.water.ca.gov/suisun_eco_workgroup/final_report/SEWFinalReport.pdf.
- California Native Plant Society. 2003. Electronic Inventory of Rare and Endangered Plants of California. California Native Plant Society, Sacramento, CA.
- California Natural Diversity Database. 2003. Solano County Swainson's hawk occurrences. California Department of Fish and Game, Wildlife Habitat and Data Analysis Branch, Sacramento, CA.
- California Partners in Flight. 2000. Grassland Bird Conservation Plan: a strategy for protecting and managing grasslands and associated birds in California Version 1.0. Point Reyes Bird Observatory, Petaluma, CA. www.prbo.org/calpif/htmldocs/grassland.html.
- California State Coastal Conservancy. 2003. Draft Programmatic Environmental Impact Statement/Environmental Impact Report, San Francisco Estuary Invasive Spartina Project, Spartina Control Program. <http://www.spartina.org>.
- California Stormwater Quality Association. 2004. *Stormwater Best Management Practice (BMP) Handbook - Industrial and Commercial*. Menlo Park, CA.

- Caywood, M. L. 1974. Contributions to the life history of the splittail, *Pogonichthys macrolepidotus* (Ayres). Masters Thesis, California State University, Sacramento, CA.
- Camp, C. L. 1917. Notes on the systematic status of the toads and frogs of California. University of California Publications in Zoology 17:115-125.
- Center for Biological Diversity, Santa Clara Valley Audubon, Defenders of Wildlife, San Bernardino Valley Audubon Society, California State Parks Rangers Association, and Tri-County Conservation League. 2003. Petition to the State of California Fish And Game Commission and Supporting Information for Listing the California Population of the Western Burrowing Owl (*Athene cunicularia hypugaea*) as an Endangered or Threatened Species under the California Endangered Species Act.
- Center for Biological Diversity and VernalPools.Org. 2001. Before the Secretary of the Interior Petition to List the Midvalley Fairy Shrimp As An Endangered Species Under the Endangered Species Act, With Concurrent Designation Of Critical Habitat. August 14, 2001.
- Center for Plant Conservation. 1991. www.centerforplantconservation.org.
- Center for Natural Lands Management. 2004. *Property Analysis Records*.
www.cnlm.org/cms/index.php?option=com_content&task=view&id=21&Itemid=155.
- CH2MHill. 2002. Solano County GIS Vegetation Layers. Prepared for the Solano County Water Agency, Vacaville, CA.
- Chaplin, S. J., R. A. Gerrard, H. M. Watson, L. L. Master and S. R. Flack. 2000. The geography of imperilment: targeting conservation toward critical biodiversity areas. Pages 159-199 In B. A. Stein, L. S. Kutner and J. S. Adams, editors. *Precious heritage: the status of biodiversity in the United States*. Oxford University Press, Oxford, U.K.
- City of Benicia. 2003. City of Benicia General Plan. Benicia, CA.
- City of Dixon. 1993. City of Dixon General Plan. Dixon, CA.
- City of Fairfield. 2002. Comprehensive Amendment to the City of Fairfield General Plan. Fairfield, CA.
- City of Fairfield. 2003. City of Fairfield Ordinance No. 2003-10, May 20, 2003. Fairfield, CA.
- City of Rio Vista. 2001. City of Rio Vista General Plan. Rio Vista, CA.
- City of Suisun City. 1992. General Plan and adopted sphere of influence. Suisun City, CA.
- City of Vacaville. 1990. City of Vacaville General Plan and November 1999 Amendment. Vacaville, CA.
- City of Vallejo. 1999. City of Vallejo General Plan. Vallejo, CA.

- Cogswell, H. 1977. *Water birds of California*. University of California Press, Berkeley, CA
- Collinge, S. K. 2003. Constructed vernal pool seeding experiment aids in recovery of Contra Costa goldfields. *Ecological Restoration* 21:316-317.
- Collinge, S. K., C. A. Wise and B. Weaver. 2003. Germination, early growth, and flowering of a vernal pool annual in response to soil moisture and salinity. *Madroño* 50:83-93.
- Collins, J., J. Evens and B. Grewell. 1994. A synoptic survey of the distribution and abundance of the California clapper rail (*Rallus longirostris obsoletus*) in the northern reaches of the San Francisco Estuary during the 1992 and 1993 breeding seasons. Draft Technical Report to California Department of Fish and Game, Sacramento, CA.
- Collins, J. P. and A. Storfer. 2003. Global amphibian declines: sorting the hypotheses. *Diversity and Distributions* 9:89-98.
- Conway, C. J. and J. C. Simon. 2003. Comparison of detection probability associated with burrowing owl survey methods. *Journal of Wildlife Management* 67:501-511.
- Cook D. 1997. Microhabitat use and reproductive success of the California red-legged frog (*Rana Aurora Draytonii*) and bullfrog (*Rana Catesbiana*). Masters Thesis, Sonoma State University, Sonoma, CA.
- Corbin, J. D., M. A. Thomsen, T. E. Dawson and C. M. D'Antonio. 2005. Summer water use by California coastal prairie grasses: fog, drought, and community composition. *Oecologia* 145: 511-521.
- Coulombe, H. N. 1971. Behavior and population ecology of the burrowing owl, *Speotyto cunicularia*, in the Imperial Valley of California. *Condor* 73:162-176.
- Cowling, R. M. and R. L. Pressey. 2001. Rapid plant diversification: planning for an evolutionary future. *Proceedings of the National Academy of Sciences, USA* 98:5452-5457.
- D'Antonio, C. M. 2000. Biological invasions, fire and global change. Pages 65-94 *In* H. Mooney and R. Hobbs, editors. *Invasive Species in a Changing World*. Island Press, Covelo, CA
- Daniels, R. A. and P. B. Moyle. 1983. Life history of splittail (Cyprinidae: *Pogonichthys macrolepidotus*) in the Sacramento-San Joaquin estuary. *Fishery Bulletin* 84:647-654.
- Davis, S. (2004). Area sensitivity in grassland passerines: Effects of patch size, patch shape, and vegetation structure on bird abundance and occurrence in southern Saskatchewan. *Auk*, 121(4), 1130-1145.
- DeSante, D. F., K. M. Burton, J. F. Saracco and B. L. Walker. 1995. Productivity indices and survival rate estimates from MAPS, a continent-wide programme of constant-effort mist netting in North America. *Journal Applied Statistics* 22:935-947.

- DeSante, D. F. and E. Ruhlen. 1995. A census of burrowing owls in California: 1991-1993. Institute for Bird Populations, Point Reyes Station, CA.
- De Weese, J. M. 1998. Vernal pool construction monitoring methods and habitat replacement evaluation. Pages 217-223 *In* C. W. Witham, editor. *Ecology, conservation, and management of vernal pool ecosystems*. California Native Plant Society, Sacramento, CA.
- DeGroot, D. S. 1927. The California clapper rail: its nesting habits, enemies, and habitat. *Condor* 29:259-270.
- Delaware River Basin Commission, et al. 1996. Riparian Assessment Instructions and Visual Assessment of Small (Wadeable) Streams Data Sheet.
- dos Passos, C. F. 1964. A synonymic list of the Nearctic Rhopalocera. *Lepidopterists's Society Memoir* Number 1.
- dos Passos, C. F. and L. P. Grey. 1947. Systematic catalogue of Speyeria (Lepidoptera: Nymphalidae) with designations of types and fixations of type localities. *American Museum Novitates* Number 1370.
- Doubledee, R. A., E. B. Muller and R.M. Nisbet. 2003. Bullfrogs, catastrophes and the persistence of California red-legged frogs. *Journal of Wildlife Management* 67:424-438.
- Dunn, J. L. and K. L. Garrett. 1997. *A field guide to warblers of North America*. Houghton Mifflin, New York, NY.
- Ehrlich, P. R., D. S. Dobkin and D. Wheye. 1988. *The birder's handbook*. Simon and Schuster, New York, NY.
- Elam, D. R. 1998. Population genetics of vernal pool plants: theory, data, and conservation implications. Pages 180-189 *In* C. W. Witham, E. T. Bauder, D. Belk, W. R. Ferren and R. Ornduff, editors. *Ecology, Conservation, and Management of Vernal Pool Ecosystems*. California Native Plant Society, Sacramento, CA.
- Eng, L.L., D. Belk, and C.H. Eriksen. 1990. California anostraca: distribution, habitat, and status. *J. Crus. Biol.* 10:247-277.
- England, A. S., J. A. Estep and W. R. Holt. 1995. Nest-site selection and reproductive performance of urban-nesting Swainson's hawks in the Central Valley of California. *Journal of Raptor Research* 29:179-186.
- Environmental Science Associates (ESA). 2005. Draft Fairfield-Suisun Sewer District Master Plan Environmental Impact Report SCH #2004032046.
- Eriksen, C. and D. Belk. 1999. *Fairy Shrimps of California's Puddles, Pools, and Playas*. Mad River Press, Eureka, CA.

- Estep, J. A. 1989. Biology, movements, and habitat relationships of the Swainson's hawk in the Central Valley of California: 1986-87. California Department of Fish and Game, Nongame Bird and Mammal Section Report, Sacramento, CA.
- Estep, J. A. and S. Teresa. 1992. Regional Conservation Planning for Swainson's Hawk (*Buteo swainsoni*) in the Central Valley of California. Pages 775-789 In D. R. McCullough and R. H. Barrett, editors. *Wildlife 2001: Populations*. Elsevier Applied Science, New York, NY.
- Evens, J. G. and J. N. Collins. 1992. Distribution, abundance, and habitat affinities of the California clapper rail (*Rallus longirostris obsoletus*) in the northern reaches of the San Francisco estuary during the 1992 breeding season. Report to California Department of Fish and Game. Point Reyes Bird Observatory, Petaluma, CA.
- Evens, J. and G. W. Page. 1983. The ecology of rail populations at Corte Madera Ecological Preserve. Final report to Main Audubon Society. Point Reyes Bird Observatory, Petaluma, CA.
- Fairfield Observer. 2001. Planning and Development Update. July-September 26(4). Fairfield, CA.
- Feaver, P. E. 1971. Breeding pool selection and larval mortality of three California amphibians: *Ambystoma tigrinum californiense* Gray, *Hyla regilla* Baird and Girard and *Scaphiopus hammondi hammondi* Girard. Masters Thesis, Department of Biology, Fresno State College, Fresno, California.
- Fehmi, J.S., and J.W. Bartolome. 2002. Species richness, cattle grazing, and the effect of *Microtus californicus* in coastal California grasslands. *West. N. Am. Nat.* 62:73-81.
- Fellers, G. M. 2005. Pacific treefrog, *Pseudacris regilla* Baird and Girard. Pages 174-177 In L. L. C. Jones, W. P. Leonard and D. H. Olson, editors. *Amphibians of the Pacific Northwest*. Seattle Audubon Society, Seattle, WA.
- Ferren, W. J., P. L. Fiedler, R. A. Leidy, K. D. Lafferty and L. A. K. Mertes. 1996. Wetlands of California, part II: a method for their classification and description. *Madrono* 43:125-182.
- Fiedler, P. and R. Zebell. 1995. Rare plant resource mitigation and restoration plan for the Montezuma Wetlands Project. Prepared for Levine-Fricke, Emeryville, CA.
- Fisler, G. F. 1965. Adaptations and speciation in harvest mice of the marshes of San Francisco Bay. University of California Publications in Zoology 77, Berkeley, CA.
- Foerster, K. S., J. E. Takekawa and J. D. Albertson. 1990. Breeding density, nesting habitat, and predators of the California clapper rail. Unpublished Report SFBNWR-116400-90-1. Prepared for San Francisco Bay National Wildlife Refuge, Fremont, CA.
- Ford L. D. and L. Huntsinger. 2004. Report of the Science Advisors: Supplement on Rangeland Management. Prepared for the Solano County Habitat Conservation Plan. Prepared for the Solano County Water Agency, Vacaville, CA.

- Gervais, J. A., D. K. Rosenberg and R. G. Anthony. 2003. Space use and pesticide exposure risk of male burrowing owls in an agricultural landscape. *Journal of Wildlife Management* 67:155-164.
- Gill, R. E. Jr. 1979. Status and distribution of the California clapper rail (*Rallus longirostris obsoletus*). *California Fish and Game* 65:36-49.
- Goodman, R. H. Jr. 1997. The biology of the southwestern pond turtle (*Clemmys marmorata pallida*) in the Chino Hills State Park and the West Ford of the San Gabriel River. Masters Thesis, California State Polytechnic University, Pomona, CA.
- Granholt, S. L. 1990. California's wildlife: Birds: tricolored blackbird. California Statewide Wildlife Habitat Relationships System, Department of Fish and Game, Sacramento, CA.
www.dfg.ca.gov/bdb/html/cwhr.html.
- Graul, W. D. 1973. Adaptive aspects of the mountain plover social system. *Living Bird*:69-94.
- Graul, W. D. 1975. Breeding biology of the Mountain Plover. *Wilson Bulletin* 87:6-31.
- Grinnell, J., H.C. Bryant and T.I. Storer. 1918. *The Game Birds of California*. University of California Press, Berkeley, California.
- Grinnell, J. and A. H. Miller. 1986. *The Distribution of the Birds of California*. Pacific Coast Avifauna Number 27. Originally published 1944, reprinted by Artemisia Press, Lee Vining, CA.
- Groves, C. R. 2003. *Drafting a Conservation Blueprint: A Practitioner's Guide to Planning for Biodiversity*. Island Press, Covelo, CA.
- Haas, Carola A. 1995. Dispersal and Use of Corridors by Birds in Wooded Patches on an Agricultural Landscape. *Conservation Biology*, Vol. 9, No. 4 (Aug., 1995), pp. 845-854.
- Hammond, P. C. and D. V. McCorkle. 1984. The decline and extinction of *Speyeria* populations resulting from human environmental disturbances. *Journal of Research on the Lepidoptera* 22:217-224.
- Hansen, R. W. 1980. Western aquatic garter snakes in central California: an ecological and evolutionary perspective. Masters Thesis, California State University, Fresno, CA.
- Hansen, G. E. and J. M. Brode. 1980. Status of the giant garter snake *Thamnophis couchii gigas* (Fitch). California Department of Fish and Game, Inland Fisheries Endangered Species Program Special Publication 80(5).
- Hansen, G. E. 1986. Status of the Giant Garter Snake *Thamnophis couchii gigas* (Fitch) in the Southern San Joaquin Valley during 1986. Final report for California Department of Fish and Game Standard Agreement No. C-1433.

- Hansen, E. C. 2006. Memo to the U.S. Fish and Wildlife Service regarding the results of year 2005 Giant Garter Snake (*Thamnophis gigas*) Surveys, Yolo County, CA.
- Harvey T. E. 1983. California's Wildlife: Birds: Mountain Plover. California Wildlife Habitat Relationships System, California Department of Fish and Game, Sacramento, CA.
www.dfg.ca.gov/bdb/html/cwhr.html.
- _____. 1988. Breeding biology of the California clapper rail in South San Francisco Bay. Transactions of Western Section of the Wildlife Society 24: 98-104.
- Haug, E. A. and L. W. Oliphant. 1990. Movements, activity patterns, and habitat use of burrowing owls in Saskatchewan. Journal of Wildlife Management 54:27-35.
- Hayes, M. P. and M. R. Jennings. 1986. Decline of ranid frog species in western North America: are bullfrogs (*Rana catesbeiana*) responsible? Journal of Herpetology 20:490-509.
- _____. 1988. Habitat correlates of distribution of the California red-legged frog (*Rana aurora draytonii*) and the foothill yellow-legged frog (*Rana boylei*): implications for management. Pages 144-158 In R. Sarzo, K. E. Severson and D. R. Patton, editors. *Proceedings of the Symposium on the Management of Amphibians, Reptiles, and Small Mammals in North America*. U.S.D.A. Forest Service General Technical Report RM-166.
- Hayes, M. P. and D. M. Krempels. 1986. Vocal sac variation among frogs of the genus *Rana* from western North America. Copeia 4:927-936.
- Hayes, M. P. and M. M. Miyamoto. 1984. Biochemical, behavioral and body size difference between *Rana aurora aurora* and *R. a. draytonii*. Copeia 4:1018-1022.
- Hayes, M. P., C. A. Pearl and C. J. Rombough. 2001. *Rana aurora aurora*: movement. Herpetological Review 32:35-36.
- Heady, H. F. 1988. Valley grassland. Pages 491-514 in M. G. Barbour and J. Major, editors. *Terrestrial vegetation of California*. Special Publication 9, California Native Plant Society, Sacramento, CA.
- Heady, H. F., T. C. Foin, M. M. Hectner, D. W. Taylor, M. G. Barbour and W. J. Barry. 1988. Coastal prairie and northern coastal scrub. Pages 733-762 In M. G. Barbour and J. Major, editors. *Terrestrial vegetation of California*. Special Publication 9, California Native Plant Society, Sacramento, CA.
- Hedgpeth, J. W. 1979. San Francisco Bay, the unsuspected estuary: a history of researches. Pages 9-29 In R. J. Conomos, editor. *San Francisco Bay – the urbanized estuary*. Pacific Division, American Association for the Advancement of Science, San Francisco, CA.
- Helm, B. 1998. The biogeography of eight large branchiopods endemic to California. Pages 124-139 In C. W. Witham, E. Bauder, D. Belk, W. Ferren and R. Ornduff, editors. *Ecology*,

- Conservation, and Management of Vernal Pool Ecosystems*. California Native Plant Society, Sacramento, CA.
- Hickman, J. C., editor. 1993. *The Jepson Manual: Higher Plants of California*. University of California Press, Berkeley, CA.
- Hobson, K., P. Perrine, E. B. Roberts, M. L. Foster and P. Woodin. 1986. A breeding season survey of salt marsh common yellowthroats (*Geothlypis trichas sinuosa*) in the San Francisco Bay Region. Report of the San Francisco Bay Bird Observatory to the U.S. Fish and Wildlife Service.
- Holland, D. C. 1991. A synopsis of the ecology and status of the western pond turtle (*Clemmys marmorata*) in 1991. Prepared for the U.S. Fish and Wildlife Service, National Ecology Research Center, San Simeon, CA.
- Holland, R. F. 1986. Preliminary descriptions of the terrestrial natural communities of California. California Department of Fish and Game, Sacramento, CA.
- Holling, C. S., editor. 1978. *Adaptive environmental assessment and management*. John Wiley, New York, NY.
- Holt, W. 2004. Draft Swainson's hawk (*Buteo swainsoni*) species account. South Sacramento Habitat Conservation Plan, Sacramento County, CA.
- Hovanitz, W. 1941. Parallel ecogenotypical color variation in butterflies. *Ecology* 22:259-284.
- _____. 1943. Geographical variation and racial structure of *Argynnis Callippe* in California. *American Naturalist* 77:400-425.
- Howe, W. H. 1975. *The Butterflies of North America*. Doubleday and Company, Garden City, NY.
- Howell, J. A. and J. E. DiDonato. 1991. Assessment of avian use and mortality related to wind turbine operations, Altamont Pass, Alameda and Contra Costa counties, California, September 1988 through August 1989. Final report for Kenetech Windpower, San Francisco, CA.
- Hunting, K. 2003. About the rarity-weighted richness index maps. *In* Atlas of the Biodiversity of California. California Department of Fish and Game, Sacramento, CA.
atlas.dfg.ca.gov/articles/10060301/default.aspx.
- Hurlbert, S. H. 1984. Pseudoreplication and the design of ecological field experiments. *Ecological Monographs* 54:187-211.
- Jennings, M. 1988. Natural history and decline of native ranids in California. *In* H. F. DeLise, P. R. Brown, B. Kaufman and B. M. McGurty, editors. *Proceedings of the conference on California herpetology*. Southwestern Herpetologists Society Special Publication 4:1-143.

- Jennings, M. R. and M. P. Hayes. 1985. Pre-1900 overharvest of California red-legged frogs (*Rana aurora draytonii*): the inducement for bullfrog (*Rana catesbeiana*) introduction. *Herpetological Review* 31:94-103.
- _____. 1994. Amphibian and reptile species of special concern in California. Final report to the California Department of Fish and Game, Inland Fisheries Division, Rancho Cordova, CA.
- Jennings, M. R., M. P. Hayes and D. C. Holland. 1993. A petition to the U.S. Fish and Wildlife Service to place the California redlegged frog (*Rana aurora draytonii*) and the western pond turtle (*Clemmys marmorata*) on the list of endangered and threatened wildlife and plants.
- Jepson Prairie Docent Program. 1989. Jepson Prairie Preserve Handbook. The Nature Conservancy.
- Johnson, C. D. and D. F. Williams. 1996. Conservancy fairy shrimp. Available on the Internet at: esrp.csustan.edu/speciesprofiles/profile.php?sp=brco.
- Kauffman, J. B. and W. C. Krueger. 1984. Livestock impacts on riparian ecosystems and streamside management implications: a review. *Journal of Range Management* 37:430-438.
- Kenward, R. E. 1982. Goshawk hunting behavior and range size as a function of food and habitat availability. *Journal of Animal Ecology* 51:69-80.
- Kiesecker J. M. and A. R. Blaustein. 1998. Effects of introduced bullfrogs and smallmouth bass on microhabitat use, growth, and survival of native red-legged frogs (*Rana aurora*). *Conservation Biology* 12:776-787.
- Knopf, F. L. and J. R. Rupert. 1995. Habits and habitats of Mountain Plovers in California. *Condor* 97:743-751.
- Koenig W. D., D. R. McCullough, C. E. Vaughn, J. M. H. Knops and W. J. Carmen. 1999. Synchrony and asynchrony of acorn production at two coastal California sites. *Madrono* 46:20-24.
- Koning, C.W. 1999. Riparian Assessment and Prescription Procedures: Watershed Restoration Technical Circular No. 6.
- Kuchler, A. W. 1977. The map of the natural vegetation of California. Appendix In M. G. Barbour and J. Major, editors. *Terrestrial Vegetation of California*. California Native Plant Society Special Publication 9.
- Lawler, S. P., D. Dritz, T. Strange and M. Holyoak. 1999. Effects of introduced mosquitofish and bullfrogs on the threatened California red-legged frog. *Conservation Biology* 13:613-622.
- Leidy, G. R. 1992. Ecology, status, and management of the giant garter snake, *Thamnophis gigas*. Pacific Environmental Consultants.

- Leidy, R. A., G. S. Becker and B. N. Harvey. 2003. Historical distribution and current status of Steelhead (*Oncorhynchus mykiss*), Coho Salmon (*O. kisutch*), and Chinook Salmon (*O. tshawytscha*) in streams of the San Francisco Estuary, California. October 2003.
- Leong, J. M., R. P. Randolph, and R. W. Thorp. 1995. Observations of the foraging patterns of *Andrena* (*Diandrena*) *blennospermatis* Thorp (Hymenoptera: Andrenidae). *Pan-Pacific Entomologist* 71(1):68-71.
- Licht, L. E. 1971. Breeding habits and embryonic thermal requirements of the frogs, *Rana aurora aurora* and *Rana pretiosa pretiosa*, in the Pacific Northwest. *Ecology* 52:116–124.
- LSA Associates, Inc. 2002. Solano County GIS vegetation layers. Prepared for the Solano County Water Agency, Vacaville, CA.
- _____. 2003. Preserve and open space conservation value assessment. Prepared for the Solano County Water Agency, Vacaville, CA.
- _____. 2004a. Giant garter snake habitat assessment. Prepared for the Solano County Water Agency, Vacaville, CA.
- _____. 2004b. Draft resource management plan, Muzzy Ranch Mitigation Bank, Solano County, CA. Prepared for Muzzy Ranch LLC, Fairfield, CA.
- _____. 2005. Final resource management plan, Elise Gridley Mitigation Bank, Solano County, CA. Prepared for Wetland Resources LLC, Sausalito, CA.
- _____. 2007a. Preliminary MEP practicability analysis. Prepared for the Solano County Water Agency, Vacaville, CA.
- _____. 2007b. Draft Contra Costa Goldfields Population Assessment. Preliminary results of Contra Costa Goldfields Population Studies for 2006 and 2007, Solano County, California. November 12, 2007. Prepared for the Solano County Water Agency, Vacaville, CA.
- _____. 2008a. Riparian Habitat Assessment. June 30, 2008. Prepared for the Solano County Water Agency, Vacaville, CA.
- _____. 2008b. Salmonid Habitat Assessment. June 30, 2008. Prepared for the Solano County Water Agency, Vacaville, CA.
- MacKay, K. 2000. Suisun shrew. Pages 233-236 *In* P. R. Olofson, editor. *Goals Project 2000: Baylands Ecosystem and Community Profiles: life histories and environmental requirements of key plants, fish, and wildlife*. Prepared by the San Francisco Bay Area Wetlands Ecosystem Goals Project, San Francisco Bay Regional Water Quality Control Board, Oakland, CA.
- MacKenzie, D. I., J. D. Nichols, J. E. Hines, M. G. Knutson and A. D. Franklin. 2003. Estimating site occupancy, colonization and local extinction when a species is detected imperfectly. *Ecology* 84:2200-2207.

- MacKenzie, D.I., J.D. Nichols, J.A. Royle, K.H. Pollock, L.L. Bailey, and, J.E. Hines. 2006. Occupancy estimation and modeling: inferring patterns and dynamics of species occurrence. Elsevier, San Diego, USA
- Manolis, T. 1977. California black rail breeding season survey in central California. California Department of Fish and Game, Sacramento, CA. Endangered Wildlife Program E-1-1, Study IV.
- _____. 1978. Status of the black rail in central California. West. Birds 9:151-158.
- Marshall, R. M., S. Anderson, M. Batcher, P. Comer, S. Cornelius, R. Cox, A. Gondor, D. Gori, J. Humke, R. Paredes Aguilar, I. E. Parra and S. Schwartz. 2000. *An Ecological Analysis of Conservation Priorities in the Sonoran Desert Ecoregion*. Prepared by The Nature Conservancy Arizona Chapter, Sonoran Institute, and Instituto del Medio Ambiente y el Desarrollo Sustentable del Estado de Sonora with support from Department of Defense Legacy Program.
- Martin, K., K. E. H. Aitken and K. L. Wiebe. 2004. Nest sites and nest webs for cavity-nesting communities in interior British Columbia, Canada: nest characteristics and niche partitioning. Condor 106:5-19.
- McBride, J. R. 1975. Urbanization and streamflow in the Berkeley Hills. California Agriculture, April, 1975, pages 6-7.
- Meffe, G. K. and C. R. Carroll. 1997. *Principles of Conservation Biology*. Sinauer Associates, Sunderland, MA.
- Melanson, M. 2004a. Draft Report, Wildlife Habitat Monitoring Program, Ulatis Creek Watershed. Strategic Environmental. Prepared for Solano County Water Agency, Vacaville, CA.
- _____. 2004b. Updated Final Report, Wildlife Habitat Monitoring Program, Dan Wilson/Green Valley Creeks Watershed. Strategic Environmental. Prepared for Solano County Water Agency, Vacaville, CA.
- Miller, L. D. and F. M. Brown. 1981. A catalogue/checklist of the butterflies of America north of Mexico. Lepidopterists' Society Memiors 2:1-280.
- Moeck, A. H. 1957. Geographic variability in *Speyeria*. Milwaukee Entomological Society Special Publication.
- Moody, M. E. and Mack, R. N. 1988. Controlling the spread of plant invasions: the importance of nascent foci. Journal of Applied Ecology 25:1009-1021
- Morris, W., D. Doak, M. Groom, P. Kareiva, J. Fieberg, L. Gerber, P. Murphy and D. Thomson. 1999. *A practical handbook for population viability analysis*. The Nature Conservancy, Washington, D.C.

- Morse, D. and H. Watson. 2000. Biodiversity hotspots in the continental U.S. and Hawai'i. The Nature Conservancy, Washington, D.C.
gis.tnc.org/data/MapbookWebsite/map_page.php?map_id=53.
- Moyle, P. B. 1976. *Inland Fishes of California*. University of California Press, Berkeley, CA.
- Mueller-Dombois, D. and H. Ellenberg. 1974. *Aims and methods of vegetation ecology*. John Wiley and Sons, New York, NY.
- Myers, N., R. A. Mittermeier, C.G. Mittermeier, G.A. da Fonseca and J. Kent. 2000. Biodiversity hotspots for conservation priorities. *Nature* 403:853-858.
- Nachlinger, J., K. Sochi, P. Comer, G. Kittel and D. Dorfman. 2001. *Great Basin: an ecoregion-based conservation blueprint*. The Nature Conservancy, Arlington, VA.
- Naiman, R. J., H. Décamps and M. E. McClain. 2005. *Riparia: ecology, conservation and management of streamside communities*. Elsevier Academic Press, Oxford, UK.
- Newton, I. 1979. *Population ecology of raptors*. T. and A. D. Pysers, Hertfordshire, UK.
- Noss, R., R. Amundson, D. Arnold, M. Bradbury, S. Collinge, B. Grewell, R. Grosberg, L. McKee, P. Northen, C. Swanson and R. Yoshiyama (Facilitated by B. DiGennaro and V. Russell). 2002. *Report of the Science Advisors*. Solano County Habitat Conservation Plan, November 2002. Prepared for the California Department of Fish and Game and Solano County Water Agency, Vacaville, CA.
www.scwa2.com/hcp/Reports/ScienceAdvisorsReport_files/Solano%20Science%20Advisors%20Report%20-%20Final.pdf
- Noss, R. F. and A. Y. Cooperrider. 1994. *Saving Nature's Legacy: Protecting and Restoring Biodiversity*. Island Press, Washington, D.C.
- Noss, R. 1991. From Endangered Species to Biodiversity. In K.A. Kohm, ed., *Balancing on the Brink of Extinction: The endangered Species Act and Lessons for the Future*, pp. 227-246, Washington DC: Island Press
- Orloff, S. and A. Flannery. 1992. Wind turbine effects on avian activity, habitat use, and mortality in Altamont Pass and Solano County wind resources areas, 1989-1991. California Energy Commission, Sacramento CA.
- Orsak, L. J., editor. 1981. *Endangered Insects of the World*. *Atala* 6:1-62.
- Pavlik, B. M., P. C. Muick, S. G. Johnson and M. Popper. 1991. *Oaks of California*. Cachuma Press, Olivos, CA.

- Pendall, R. and J. Martin. 2002. *Holding the Line: Urban Containment in the United States*. The Brookings Institution Center on Urban and Metropolitan Policy, Washington, D.C.
www.brookings.edu/es/urban/publications/pendallfultoncontainment.pdf.
- Polite, C. and J. Pratt. 1990. *California's wildlife: birds: golden eagle*. California Wildlife Habitat Relationships System, California Interagency Wildlife Task Group, California Department of Fish and Game, Sacramento, CA.
- Preston, R. E. 1999. *Preliminary Report on the Conservation Status of Congdon's Spikeweed (Hemizonia parryi subsp. congdonii) in the South and East San Francisco Bay Area and Monterey County, California*. Prepared for U.S. Fish and Wildlife Service. Prepared by Robert Preston, Ph.D., Davis, California.
- Ramp, J. 2004. Restoration genetics and pollination of the rare vernal pool endemic *Lasthenia conjugens* (Asteraceae). Masters Thesis, Department of Ecology and Evolutionary Biology, University of Colorado, Boulder, CO.
- Ramp Neale, Jennifer M., Tom Ranker, and Sharon Collinge. 2008. Conservation of rare species with island-like distributions: A case study of *Lasthenia conjugens* (Asteraceae) using population genetic structure and the distribution of rare markers. *Plant Species Biology* 23, 97–110.
- Raney Planning and Management, Inc. 2006. Gentry-Suisun Project Draft Environmental Impact Report SCH# 2004092077. Prepared for the City of Suisun. April 2006.
- Rantz, S. E. 1971. Suggested criteria for hydrologic design of storm-drainage facilities in the San Francisco Bay Region, California. U.S. Geologic Survey - Open File report 71-341.
- _____. 1972. Precipitation depth-duration-frequency relations for the San Francisco Bay Region, California. U.S. Geologic Survey – Open File report 3019-12.
- Reese, D. A. 1996. Comparative demography and habitat use of western pond turtles in northern California: the effects of damming and related alterations. Doctoral Dissertation, University of California, Berkeley, CA.
- Renfrew, R. (2005). Edge avoidance by nesting grassland birds: A futile strategy in a fragmented landscape. *The Auk*, 122(2), 618-636.
- Richter, K. O. and A. L. Azous. 1995. Amphibian occurrence and wetland characteristics in the Puget Sound Basin. *Wetlands* 15:306-312.
- Riparian Habitat Joint Venture. 2000. *The Riparian Bird Conservation Plan: a strategy for reversing the decline of riparian associated birds in California*. California Partners in Flight, Point Reyes Bird Observatory, Stinson Beach, CA.
- Roberts, B.R. and B. Hecht. 1989. Assessment of the potential hydrologic and water-quality impacts of the proposed Elliot Ranch North development, Sacramento County, California. Report prepared for the Grupe Development Company, Northern California.

- Rosenberg, D. K. and K. L. Haley. 2004. The ecology of burrowing owls in the agroecosystem of the Imperial Valley, California. *Studies in Avian Biology* 27:120-135.
- Rossmann, D. A. and G. R. Stewart. 1987. Taxonomic reevaluation of *Thamnophis couchii*. Occasional Papers of the Museum of Zoology, Louisiana State University, No. 63.
- Rosenzweig, M. L. 1995. *Species Diversity in Space and Time*. Cambridge University Press, Cambridge, UK.
- Rosenzweig, M. L. and Y. Ziv. 1999. The echo pattern of species diversity: pattern and process. *Ecography* 22:614–628.
- Rosgen, Dave. Applied River Morphology. Wildland Hydrology, Pagosa Springs, Colorado. 390 pp.
- Rudd, R. L. 1955. Age, sex, and weight comparisons in three species of shrews. *Journal of Mammology* 36:323-339.
- San Francisco Bay Conservation and Development Commission. 1976. *Suisun Marsh Protection Plan*. San Francisco, CA.
- San Francisco Estuary Institute. 2005. *San Francisco Bay Area EcoAtlas*. Oakland, CA. www.sfei.org/ecoatlas.
- Scott, M. L., M. E. Miller and J. C. Schmidt. 2004. The structure and functioning of riparian ecosystems of the Colorado Plateau—conceptual models to inform the vital-sign selection process. Southern Colorado Plateau Network Phase Two, Supplement IV Riparian Models (Draft). USGS Biological Resources Discipline, FORT Science Center, Fort Collins, CO.
- Semlitsch, R. D. and J. R. Bodie. 2003. Biological criteria for buffer zones around wetlands and riparian habitats for amphibians and reptiles. *Conservation Biology* 17:1219-1228.
- Sette, O. E. 1962. Variation in the silvering of *Argynnis callippe* in the interior mountain area of south-central California. *Journal of Research on the Lepidoptera* 1:3-20.
- Shaffer, H. Bradley, G. M. Fellers, S. Randal Voss, J. C. Oliver and G. B. Pauly. 2004. Species boundaries, phylogeography, and conservation genetics of the red-legged frog (*Rana aurora/draytonii*) complex. *Molecular Ecology* 13:2667-2677.
- Shaffer, H. B., R. N. Fisher and S. E. Stanley. 1993. Status report: the California tiger salamander (*Ambystoma californiense*). Final report for the California Department of Fish and Game, Sacramento, CA.
- Shellhammer, H. S. 1977. Of mice and marshes. *San Jose Studies*, San Jose State University 3:23-35.
- Shellhammer, H. S. 1982. *Reithrodontomys raviventris*. *Mammal Species* 169.

- Shellhammer, H. S., R. Jackson, W. Davilla, A. M. Gilroy, H. T. Harvey and L. Simons. 1982. Habitat preferences of salt marsh harvest mice (*Reithrodontomys raviventris*). *The Wasmann Journal of Biology* 40:102-114.
- Shuford, W. D. 1993. *The Marin County breeding bird atlas*. Bushtit Books, Bolinas, CA.
- Shuford, W. D., and Gardali, T., 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.
- Simberloff, D. S. and E. O. Wilson. 1969. Experimental zoogeography of islands: the colonization of empty islands. *Ecology* 50:278-296.
- Slevin, J. R. 1928. The amphibians of western North America. *Occasional Papers of the California Academy of Sciences* 16:31-139.
- Small, A. 1994. *California birds: their status and distribution*. Ibis Publishing Company, Vista, CA.
- Smallwood, K. S., and C. G. Thelander. 2004. Developing methods to reduce bird mortality in the Altamont Pass Wind Resource Area. Final Report by BioResource Consultants to the California Energy Commission, Public Interest Energy-Research-Environmental Area, Contract No. 500-01-019.
- Solano County Farmlands and Open Space Foundation. 2001. Conservation Strategy for the Vernal Pools of the Greater Jepson Prairie Ecosystem. Fairfield, CA.
- Solano County. 1994. Solano County Growth Initiative. Solano County Resolution No. 94-170, July 26, 1994. www.co.solano.ca.us/SubSection/SubSection.asp?NavID=241.
- Solano County. 2005a. County of Solano: Facts and Figures. Fairfield, CA.
- Solano County. 2005b. Request for proposal to prepare the Solano County General Plan Update and Environmental Impact Report. Department of Resource Management, Fairfield, CA.
- Sommer, T. R., R. Baxter and B. Herbold. 1997. The resilience of splittail in the Sacramento-San Joaquin Estuary. *Transactions of the American Fisheries Society* 126:961-976.
- Soulé, M., editor. 1986. *Conservation Biology*. Sinauer Associates, Sunderland, MA.
- Spautz, H., N. Nur, Y., Stralberg, E and Chan, D. 2006. Multiple-scale habitat relationships of tidal marsh breeding birds in the San Francisco Bay estuary. *Studies Avian Biology* 32:247-269.
- Stanford University. 1999. Foothill yellow-legged frog (*Rana boylei boylei*). Stanford University Natural Resources Inventory. <http://ccb.stanford.edu/sunri/fy1f1-1.html>

- Stebbins, R. C. 2003. *A field guide to western reptiles and amphibians, 3rd edition*. Houghton Mifflin, Boston, MA.
- Storer, T. I. 1925. A synopsis of the amphibia of California. University of California Publications in Zoology 27: 60-71.
- Storfer, A. 2003. Amphibian declines: future directions. Diversity and Distributions 9:151-163.
- Stralberg, D. and B. Williams. 2002. Effects of rural residential development on the breeding birds of Placer County's foothill oak woodlands. Oaks 'n' Folks Number 18.
- Suisun Marsh Program. 2005. www.iep.ca.gov/suisun.
- Swainson's Hawk Technical Advisory Committee (SHTAC). 2000. Swainson's hawk survey guidelines.
- Swolgaard, C.A. 2004. Nesting density and habitat use of Swainson's hawk in a vineyard landscape in northern San Joaquin County, California. Masters Thesis, California State University, Sacramento, CA.
- The Nature Conservancy. 2000. The five-S framework for site conservation: a practitioner's handbook for site conservation planning and measuring conservation success. The Nature Conservancy, Washington, D.C.
- Thogmartin, W. (2006) . Predicting regional abundance of rare grassland birds with a hierarchical spatial count model. The Condor, 108(1), 25-46.
- Thomas Reid Associates. 1982. Endangered Species Survey San Bruno Mountain Biological Study - 1980-1981. Final Report to the San Mateo County Steering Committee for San Bruno Mountain. Prepared for San Mateo County, CA.
- Tibor, D. P. 2001. *California Native Plant Society's inventory of rare and endangered plants of California, 6th edition*. California Native Plant Society, Sacramento, CA.
- Trenham, P. C. and H. B. Shaffer. 2005. Amphibian upland habitat use and its consequences for population viability. Ecological Applications 15:1158-1168.
- Twitty, V. C. 1941. Data on the life history of *Ambystoma tigrinum californiense* Gray. Copeia 1941(1):1-4.
- University of California, Berkeley. 2001. *California's Endangered Insects*. Essig Museum of Entomology, University of California, Berkeley, CA.
shanana.berkeley.edu/essig/endins/elaphrus.htm.
- U.S. Census Bureau. 2006. Decennial census of population and housing. U.S. Bureau of the Census, Washington, D.C. www.census.gov/prod/www/abs/decennial/index.htm.

- U.S. Department of Agriculture National Forest Service. 2005. National Inventory and Assessment Procedure for Identifying Barriers to Aquatic Organism Passage at Road-Stream Crossings. National Technology and Development Program. November 2005.
- U.S. Department of the Interior, Bureau of Land Management. 1994. Riparian Area Management (TR 1737-11 1994): Process for Assessing Proper Functioning Condition for Lentic Riparian -Wetland Areas.
- _____. 1993. Riparian Area Management (TR 1737-9 1993): Process for Assessing Proper Functioning Condition.
- _____. 1992a. Riparian Area Management (TR 1737-7 1992): Procedures for Ecological Site Inventory with Special Reference to Riparian-Wetland Sites.
- _____. 1992b. Riparian Area Management (TR 1737-6 1992): Management techniques in Riparian Areas.
- U.S. Fish and Wildlife Service. 1984. Valley elderberry longhorn beetle recovery plan. U.S. Fish and Wildlife Service, Portland, OR.
- _____. 1985. Delta green ground beetle and Solano grass recovery plan. U.S. Fish and Wildlife Service, Portland, OR.
- _____. 1994a. Endangered and Threatened Wildlife and Plants: Determination of Endangered Status for the Conservancy Fairy Shrimp, Longhorn Fairy Shrimp, and the Vernal Pool Tadpole Shrimp; and the Threatened Status for the Vernal Pool Fairy Shrimp. Federal Register.58:48136-48153.
- _____. 1994b. Final rule: Endangered and Threatened Wildlife and Plants; critical habitat determination for the Delta smelt. Federal Register. 59: 65256. December 19, 1994.
- _____. 1996. Habitat conservation planning and incidental take permit handbook. U.S. Fish and Wildlife Service, Washington, D.C.
- _____. 1997. Final rule: endangered and threatened wildlife and plants: determination of endangered status for the callippe silverspot butterfly and the Behren's silverspot butterfly and threatened status for the Alameda whipsnake. Federal Register 62:64306-64320.
- _____. 1998. Recovery plan for serpentine soil species of the San Francisco Bay Area. U.S. Fish and Wildlife Service, Portland, OR.
- _____. 1999a. Biological opinion for the Solano project water service contract renewal. U.S. Fish and Wildlife Service, Sacramento, CA.
- _____. 1999b. Final Rule: Endangered and Threatened Wildlife and Plants: Determination of Threatened Status for the Sacramento Splittail. Federal Register. 64:5963.

- _____. 2000. Notice of Availability of a Final Addendum to the Handbook for Habitat Conservation Planning and Incidental Take Permitting Process. Federal Register 65(106): June 1, 2000.
- _____. 2001. Endangered and threatened wildlife and plants: final determination of critical habitat for the California red-legged frog. Federal Register 66(49): March 13, 2001.
- _____. 2002a. Recovery plan for the California red-legged frog (*Rana aurora draytonii*). U.S. Fish and Wildlife Service, Portland, OR.
- _____. 2002b. Threatened and Endangered Fish, Sacramento Splittail. Endangered Species Division, Sacramento Fish and Wildlife Service Office, Sacramento, California. Available on the Internet at: http://sacramento.fws.gov/es/animal_spp_acct/sac_splittail.htm.
- _____. 2003a. Endangered and Threatened Wildlife and Plants: Notice of Remanded Determination of Status for the Sacramento splittail (*Pogonichthys macrolepidotus*): Final Rule. Federal Register. 68:55139-55166.
- _____. 2003b. Interim guidance on site assessment and field surveys for determining presence or a negative finding of the California tiger salamander. U.S. Fish and Wildlife Service, Sacramento, CA. www.fws.gov/sacramento/es/documents/cts_survey_protocol.pdf.
- _____. 2004a. Draft recovery plan for vernal pool ecosystems of California and Southern Oregon. U.S. Fish and Wildlife Service, Portland, OR.
- _____. 2004b. Proposed designation of critical habitat for the California red-legged frog (*Rana aurora draytonii*). Federal Register 69:19620-19642.
- _____. 2005a. Recovery plan for vernal pool ecosystems of California and Southern Oregon. Portland, OR.
- _____. 2005b. Endangered and Threatened Wildlife and Plants: Revised Proposed Designation of Critical Habitat for the California Red-Legged Frog (*Rana aurora draytonii*). Federal Register. 70(212):66905-67064.
- _____. 2006. Valley Elderberry Longhorn Beetle (*Desmocerus californicus dimorphus*) 5-year Review: Summary and Evaluation. Sacramento Fish and Wildlife Office.
- _____. 2008a. Endangered and Threatened Wildlife and Plants; Petition To List the San Francisco Bay-Delta Population of the Longfin Smelt (*Spirinchus thaleichthys*) as Endangered. Federal Register. 73(88): 24911-24915.
- _____. 2008b. Endangered and Threatened Wildlife and Plants; Revised Critical Habitat for the California Red-Legged Frog (*Rana aurora draytonii*). Federal Register 73(180): September 16, 2008.

- U.S. Geological Survey. 2003. MCB Camp Pendleton Arroyo Toad Monitoring Protocol: 1. Summary of results from a workshop on August 27, 2002; 2. Monitoring protocol and targeted studies. Sacramento, California.
- Verner, J. 1980. Birds of California oak habitats - management implications. Pp. 246-264 *In Proceedings of the Symposium on the Ecology, Management, and Utilization of California Oaks, June 26-28, 1979*. USDA Forest Service General Technical Report PSW-44.
- Vollmar Consulting. 1998. Regionwide survey for *Lasthenia conjugens*, Solano County, California. Supplemental report submitted in support of the Nationwide Permit application for the Meyers Cookware Facility.
- _____. 2000. Wetland delineation report and special status species survey report for the Strassberger Industrial Park, Cross Industrial Park, and McCoy Detention Basin properties, Fairfield, Solano County, California. Prepared for City of Fairfield, Dept of Planning and Development.
- _____. 2003. Special-status species survey and wetland delineation report for the Gentry and Tooby properties, Solano County, California. Prepared for Tom Gentry California Company, Honolulu, HI.
- _____. 2005 Wetland Mitigation Monitoring Report (Year 2). Meyer Cookware Property, Fairfield, California. Meyer Cookware Industries, Vallejo, CA
- Vreeland, J. K. and W. D. Tietje. 2002. Numerical response of small vertebrates to prescribed fire in California oak woodland. Pages 269-280 *In* R. B. Standiford, D. McCreary and K. L. Purcell, editors. *Proceedings of the Symposium on Oak Woodlands: Oaks in California's Changing Landscape, Oct. 22-25, 2001, San Diego, California*. General Technical Report PSW-GTR-184.
- Walters, C. 2004 Principles for preserving germplasm in gene banks. In: Guarrant EO Jr, Havens K and Maunder M (eds) *Ex situ plant conservation*. Island Press, Washington
- Walters, C. J. 1986. *Adaptive management of renewable resources*. Macmillan Publishing Company, New York, NY.
- Wang, J. C. S. 1986. Fishes of the Sacramento-San Joaquin estuary and adjacent waters, California: a guide to the early life histories. Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary, Technical Report 9.
- _____. 1991. Early life stages and early life history of the delta smelt, *Hypomesus Transpacificus*, in the Sacramento-San Joaquin estuary, with comparison of early life stages of the longfin smelt, *Spirinchus thaleichthys*. Interagency Ecological Study Program for the Sacramento-San Joaquin Estuary, Technical Report 28.
- Wagner, D. L. and E. J. Bortugno. 1982. Geologic map of the Santa Rosa quadrangle, California, 1:250,000. Map. No 2A. California Division of Mines and Geology, Sacramento, CA.

- Wagner, D. L., C. W. Jennings, T. L. Bedrossian and E. J. Fortugno. 1981. Geologic map of the Sacramento quadrangle, California, 1:250,000. Map No. 1A. California Division of Mines and Geology, Sacramento, CA.
- Wells, L. E. 1995. Environmental setting and quaternary history of the San Francisco Estuary. In Sanguines, E.M. and D. Anderson, editors. *Geology and hydrogeology of the south San Francisco Bay Region*. Pacific Section, Society for Sedimentary Geology.
- White, C., E. Foster, E. Ballman and B. Hecht. 1999. Draft baseline hydrology report, Blue Rock Country Club, Walpert Ridge, Hayward, California. Balance Hydrologic, Inc. report prepared for Hayward 1900, Inc., San Francisco, CA.
- Whitmore, R. (1981). Structural Characteristics of Grasshopper Sparrow Habitat. *The Journal of wildlife management*, 45(3), 811-814.
- Wilson, R. A., P. Manley and B. R. Noon. 1991. Covariance patterns among birds and vegetation in a California oak woodland. Pages 126-135 In R. B. Standford, editor. *Proceedings of the Symposium on Oak Woodlands and Hardwood Rangeland Management, October 31-November 2, 1990*. General Technical Report PSW-GTR-126, USDA Forest Service, Pacific Southwest Research Station, Albany, CA.
- Williams, D. F. 1983. Populations surveys of the Santa Catalina, San Bernadino, and Suisun shrews. U.S. Fish and Wildlife Service, Endangered Species Office, Sacramento, CA.
- Woodbridge, B. 1998. Swainson's Hawk (*Buteo swainsoni*). California Partners in Flight, Point Reyes Bird Observatory, Petaluma, CA.
www.prbo.org/calpif/htmldocs/species/riparian/swainsons_hawk.htm.
- _____. 1991. Habitat selection by nesting Swainson's hawk: a hierarchical approach. Masters Thesis, Oregon State University, Corvallis, OR.
- Wright, A. H. and A. A. Wright. 1949. *Handbook of frogs and toads of the United States and Canada, 3rd edition*. Comstock Publishing Associates, Ithaca, NY.
- Wylie, G. D and L.L. Martin. 2004. Survey for the giant garter snakes in Solano County: 2004 report. Prepared for U.S. Fish and Wildlife Service. U. S. Geological Survey, Western Ecological Research Center, Dixon Field Station, Dixon, CA.
- _____. 2005. Survey for the giant garter snakes in Solano County: 2005 report. Prepared for U.S. Fish and Wildlife Service. U. S. Geological Survey, Western Ecological Research Center, Dixon Field Station, Dixon, CA.
- Zeiner, D. C., W. F. Laudenslayer, Jr. and K. E. Mayer. 1988. *California's wildlife: Volume I: amphibians and reptiles*. California Statewide Wildlife Habitat Relationships System, California Department of Fish and Game, Sacramento, CA.

Zemal, R. L. and B. W. Massey. 1983. The light-footed clapper rail: distribution, nesting strategies, and management. Cal-Nevada Wildlife Transactions 1983:97-103.