

Chapter 2. Project Description

Solano County. 1977. Solano County General Plan. Solano County, CA.

Chapter 3. Environmental Analysis

Section 3.1. Aesthetics/Visual Resources

California Department of Transportation. 1996. Guidelines for the official designation of scenic highways. March. Business, Transportation, and Housing Agency. Access date: June 17, 2005. Available: http://www.dot.ca.gov/hq/LandArch/scenic_highways/.

Solano County. 2005. Environmental Impact Report for the Shiloh I Wind Plant Project. Solano County Transportation Department. 2004. Average Daily Traffic for Solano County roads. E-mail communication from Pat A. Negroni on July 21.

_____. 1977. Scenic Roadways Element. A Part of the Solano County General Plan. Prepared by Sedway/Cooke, Urban and Environmental Planners and Designers. Solano County, CA.

Section 3.2. Air Quality

Printed References

BAAQMD. *See* Bay Area Air Quality Management District.

Bay Area Air Quality Management District. 1999. BAAQMD CEQA guidelines: assessing the air quality impacts of projects and plans. Adopted: April 1996. Revised: December 1999. San Francisco, CA.

Bay Area Air Quality Management District. 2003. BACT Workbook. IC Engine-Spark Ignition, Natural Gas Fired Lean Burn Engines Document No. 96.3.2. Available online: <<http://www.baaqmd.gov/pmt/bactworkbook/default.htm>>. San Francisco, CA.

Bay Area Air Quality Management District. 2005. Permit Modeling Guidance. May. San Francisco, CA.

EPA. *See* U.S. Environmental Protection Agency.

Office of Environmental Health Hazard Assessment. 2003. Air Toxics Hot Spots Program Risk Assessment Guidance: The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Oakland, CA.

U.S. Environmental Protection Agency. 2000. AP-42 Emission Factors (for natural gas-fired reciprocating engines. Section 3.2. Office of Air Quality Planning and Standards. Durham, NC.

Personal Communications

Fullerton, Mark. Project Engineer, Western Hubs. July 6, 2005- E-mail regarding dehydration emissions at Kirby Hills.

Section 3.3. Biological Resources

Printed References

Beason, R. C. 1995. Horned lark (*Eremophila alpestris*). *In* The Birds of North America, No. 195. (A. Poole and F. Gill, Eds.) The Academy of Natural Sciences, Philadelphia, and the American Ornithologists' Union, Washington, DC.

Brown, L., and D. Amadon. 1968. Eagles, hawks and falcons of the world. Two volumes. Country Life Books. London.

California Department of Fish and Game. 2000. Guidelines for assessing the effects of proposed projects on rare, threatened, and endangered plants and natural communities (revision of 1983 guidelines). Sacramento, CA.

_____. 1995. Staff report on burrowing owl mitigation. Sacramento, CA.

_____. 1994. Staff report regarding mitigation for impacts to Swainson's hawk (*Buteo swainsoni*) in the Central Valley of California. November 1. Sacramento, CA.

- California Natural Diversity Database. 2005. RareFind 2, Version 3.0.5 (May 2005 update). Sacramento, CA: California Department of Fish and Game. California Department of Fish and Game. Sacramento, CA.
- California Native Plant Society. 2001. Inventory of rare and endangered plants of California. (Sixth edition.) Rare Plant Scientific Advisory Committee, David P. Tibor (Convening Editor). California Native Plant Society. Sacramento, CA.
- CNDDDB. *See* California Natural Diversity Database.
- CNPS. *See* California Native Plant Society.
- DFG. *See* California Department of Fish and Game.
- England et al. 1997. Swainson's hawk (*Buteo swainsoni*). *In* The Birds of North America, No. 265. The Academy of Natural Sciences, Philadelphia, PA, and The American Ornithologists' Union, Washington, DC.
- Environmental Laboratory. 1987. Corps of Engineers wetlands delineation manual. (Technical Report Y-87-1.) U.S. Army Waterways Experiment Station. Vicksburg, MS.
- Eriksen, C. and D. Belk. 1999. Fairy shrimp of California's puddles, pools, and playas. Mad River Press. Eureka, CA.
- Hickman, J. C. (Ed.). 1993. The Jepson manual: higher plants of California. University of California Press. Berkeley, CA.
- Jennings, M. R. and M. Hayes. 1994. Amphibian and reptile species of special concern in California. California Department of Fish and Game. Sacramento, CA.
- Loredo, I., D. Van Vuren, and M. L. Morrison. 1996. Habitat use and migration behavior of the California tiger salamander. *Journal of Herpetology* 30(2): 282–285.
- Munz and Keck 1973. A California flora with supplement. University of California Press. Berkeley, CA.
- Remsen, J. V. 1978. Bird species of special concern in California: an annotated list of declining or vulnerable bird species. (Wildlife Management Branch Administrative Report No. 78-1.) California Department of Fish and Game, Nongame Wildlife Investigations. Sacramento, CA.
- SMUD. *See* Sacramento Municipal Utility District.
- Solano County. 2005. Environmental Impact Report for the Shiloh I Wind Plant Project. Solano County Transportation Department. 2004. Average Daily

Traffic for Solano County roads. E-mail communication from Pat A. Negroni on July 21.

Solano County Planning Department. 1980, as amended through 2003. Solano County Land Use and Circulation Element. A Part of the Solano County General Plan. Solano County, CA.

Stebbins, R. C. 1954. Amphibians and reptiles of western North America. McGraw-Hill. New York, NY.

_____. 1985. A field guide to western reptiles and amphibians. Houghton Mifflin Co. Boston, MA.

U.S. Fish and Wildlife Service. 2004. List of endangered and threatened species that may occur in or be affected by projects on the Birds Landing, Denverton, and Antioch North USGS 7.5-minute quadrangles. Available: <http://sacramento.fws.gov/es/spp_list.htm>.

USFWS. See U.S. Fish and Wildlife Service.

Vickery, P. D. 1996. Grasshopper sparrow (*Ammodramus savannarum*). In *The Birds of North America*, No. 229. The Academy of Natural Sciences, Philadelphia, and the American Ornithologists' Union. Washington, DC.

Williams, D. F. 1986. Mammalian Species of Concern in California. (California Department of Fish and Game Report 86-1.) 112 pp. California Department of Fish and Game. Sacramento, CA.

Zeiner, D. C., W. F. Laudenslayer, Jr., K. E. Mayer, and M. White. 1990. California's wildlife. Volume II. Birds. California Statewide Wildlife Habitat Relationships System. California Department of Fish and Game. Sacramento, CA.

Personal Communications

Ron Kelley. Botanist, Eastern Oregon University. Meeting on May 31, 2005 to confirm the *Plagiobothrys hystriculus* specimen.

Section 3.4. Cultural Resources

Adam, D. P. 1967. Late-Pleistocene and Recent Palynology in the Central Sierra Nevada, California. In *Quaternary Paleoecology*, edited by E. J. Cushing and H. E. Wright, pp. 275–301. Yale University Press. New Haven, CT.

Antevs, E. 1948. Climatic Changes and Pre-White Man. *University of Utah Bulletin* 38:168–191. Salt Lake City.

- _____. 1953. The Postpluvial or Neothermal. University of California Archaeological Survey Reports 22:9–23.
- _____. 1955. Geologic-Climatic Dating in the West. *American Antiquity* 20:317–335.
- Bailey, E. H. 1966. Geology of Northern California. (California Division of Mines and Geology Bulletin 190.) California Division of Mines and Geology, San Francisco.
- Beardsley, R. K. 1948. Culture Sequences in Central California Archaeology. *American Antiquity* 14:1–28.
- Beck, W. A., and Y. D. Haase. 1974. Historical Atlas of California. University of Oklahoma Press, Norman Oklahoma and London.
- Bennyhoff, J. A. 1977. Ethnogeography of the Plains Miwok. (Center for Archaeological Research at Davis Publication 5.) University of California, Davis.
- Birkeland P. W., R. M. Burke, and J. C. Yount. 1976. Preliminary Comments on Late Cenozoic Glaciations in the Sierra Nevada. *In* Quaternary Stratigraphy of North America, edited by W. C. Mahaney, pp. 282–295. Dowden, Hutchinson & Ross, New York.
- Birman, J. H. 1964. Glacial Geology Across the Crest of the Sierra Nevada, California. (Geological Society of America Special Paper 75.)
- C. F. Weber & Co. 1914. Untitled map of Solano County, California. Map on file, Northwest Information Center, Rohnert Park, CA.
- Curry, R. R. 1970. Glacial and Pleistocene History of the Mammoth Lakes Sierra, California—A Geologic Guidebook. (University of Montana Geological Series Publications 11.) Missoula.
- _____. 1969. Holocene Climate and Glacial History of the Central Sierra Nevada, California. Geological Society of America Special Paper 123:1–47.
- Dickinson, W. R. 1981. Plate Tectonics and the Continental Margin of California. *In* The Geotectonic Development of California, edited by W. G. Ernst, pp. 1–28. Prentice Hall. Upper Saddle River, NJ.
- Eager, E. 1890. Official Map of the County of Solano, California. Solano County Board of Supervisors. Map on file. California Room of the California State Library. Sacramento, CA.
- GLO. *See* General Land Office.

GLO. 1862. Map of Township No. 4 North, Range No. 2 East of the Mount Diablo Meridian. U.S. Department of the Interior, Washington, D.C. Map on file, Northwest Information Center, Rohnert Park, CA.

Gregory, T. 1912. History of Solano and Napa Counties, California, with biographical sketches of the leading men and women of the counties, who have been identified with its growth and development from the early days to the present time. Historic Record Company, Los Angeles. On file, California Room of the California State Library, Sacramento.

Heady, H. F. 1977. Valley grassland. Pages 491-514 In Terrestrial vegetation of California. M. G. Barbour and J. Major, eds. 1977. John Wiley and Sons, New York.

Heizer, R. F. 1949. Archaeology of Central California I: The Early Horizon. University of California Anthropological Records 12:1–83. Berkeley.

_____. 1941. The Direct-Historical Approach in California Archaeology. American Antiquity 7:98–122.

Heizer, R. F., and F. Fenenga. 1939. Archaeological Horizons in Central California. American Anthropologist 41:378–399.

Henning, J. S. 1872. Map of Solano County, California. Map on file, Northwest Information Center, Rohnert Park, CA.

Hunt, M. 1926. History of Solano County. In History of Solano County and Napa County, from their Earliest Settlement to the Present Time, Volume I, by M. Hunt and H. L. Gunn, pp. 9–252. S. J. Clarke, Chicago.

Johnson, P. J. 1978. Patwin. In California, edited by R. F. Heizer, pp. 350–360. Handbook of North American Indians, vol. 8, W. C. Sturtevant, general editor Smithsonian Institution, Washington, DC.

Kroeber, A. L. 1925. Handbook of the Indians of California. Bureau of American Ethnology Bulletin 78. Smithsonian Institution, Washington, DC.

Kyle, D. E. 1990. Historic Spots in California. 4th ed. Stanford University Press, Stanford, CA.

Levy, R. 1978. Eastern Miwok. In California, edited by R. F. Heizer, pp. 398–413. Handbook of North American Indians, vol. 8, W. C. Sturtevant, general editor. Smithsonian Institution, Washington, DC.

Lillard, J. B., R. F. Heizer, and F. Fenenga. 1939. An Introduction to the Archaeology of Central California. (Department of Anthropology Bulletin 2.) Sacramento Junior College.

McGowan, J. A. 1961. History of the Sacramento Valley. Lewis Historical Publishing Company, New York.

Moratto, M. J. 1984. California Archaeology. Academic Press, Orlando.

Moratto, M. J., T. L. Jackson, R. Pettigrew, R. F. Schalk, D. Chavez, E. C. Gibson, C. B. Hemphill, C. J. Miss, B. A. Price, M. Romano, C. K. Roper, B. P. Wickstrom, M. S. Burney, C. G. Lebow, J. Silvermoon, and M. K. Crist. 1990. Final Cultural Resources Assessment Report, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California, Phase I: Survey, Inventory, and Preliminary Evaluation of Cultural Resources. Report on file, Northwest Information Center, Rohnert Park, California. (Study S-12300.)

Ragir, S. 1972. The Early Horizon in Central California Prehistory. Contributions of the University of California Archaeological Research Facility 15. Berkeley.

Robertson, D. B. 1998. Encyclopedia of Western Railroad History, Volume IV, California. The Caxton Printers, Caldwell, ID.

Schulz, P. D. 1970. Solar Burial Orientation and Paleodemography in the Central California Windmill Tradition. University of California Center for Archaeological Research at Davis Publication 2:185–198.

Orcelj, A., and D. P. Adam. 1975. A Late Holocene Pollen Diagram from Near Lake Tahoe, El Dorado County, California. U. S. Geological Survey Journal of Research 3(6): 737–745.

Theodoratus, D. J., M. P. Peters, C. M. Blount, P. J. McGuire, R. D. Ambro, M. Crist, and B. J. Peck. 1980. Montezuma I & II: Cultural Resources. Prepared by Theodoratus Cultural Research, Fair Oaks, California and Archaeological and Environmental Services, Fresno. Prepared for Pacific Gas and Electric Company, San Francisco. Report on file, Northwest Information Center, Rohnert Park, California. (Study S-11826.)

Thompson, J. 1958. The Settlement and Geography of the Sacramento-San Joaquin Delta, California. University Microfilms International, Ann Arbor, MI.

USFS. *See* United States Forest Service.

United States Forest Service. 1998. Ecological Subregions of California. United States Department of Agriculture Forest Service, San Francisco. http://www.r5.fs.fed.us/ecoregions/title_page.htm

William Self Associates. 1993. Archeological Survey Report: Montezuma Wetlands Project, Solano County, California. Prepared by William Self Associates, Orinda, California. Prepared for Brady and Associates, Berkeley. Report on file, Northwest Information Center, Rohnert Park. (Study S-16522.)

Section 3.5. Energy and Mineral Resources

California Department of Conservation, Division of Mines and Geology. 1988a. Mineral Land Classification for Portland Cement Aggregate. (DMG Special Report 156.) Sacramento, CA.

_____. 1988b. Mineral Land Classification for Portland Cement Aggregate. (DMG Special Report 160.) Sacramento, CA.

Section 3.6. Geology, Soils, and Paleontology

California Department of Conservation, Division of Mines and Geology. 1997. Guidelines for evaluating and mitigating seismic hazards in California. (Special Publication 117.) Sacramento, CA.

California Department of Transportation. 2005. Standard environmental reference, environmental handbook volume 1, chapter 8 paleontology. Available online: <<http://www.dot.ca.gov/ser/vol1/sec3/physical/Ch08Paleo/chap08paleo.htm>>. Accessed on July 3, 2005.

Caltrans. *See* California Department of Transportation.

DMG. *See* California Department of Conservation, Division of Mines and Geology.

Graymer, R. W., D. L. Jones, and E. E. Brabb. 2002. Geologic map and map database of northeastern San Francisco Bay Region, California – most of Solano County and parts of Napa, Marin, Contra Costa, San Joaquin, Sacramento, Yolo, and Sonoma Counties. (USDI U.S. Geological Survey Miscellaneous Field Studies Map MF-2403.) Version 1.0.

Hart, E. W. and W. A. Bryant. 1997. Fault-rupture hazard zones in California. (Special Publication 42 [with supplements 1-3].) Sacramento, CA.

Jennings, C. W. (Compiler). 1994. Fault activity map of California and adjacent areas with locations and ages of recent volcanic eruptions. California Department of Conservation, Division of Mines and Geology. Scale 1:750,000. Sacramento, CA.

Petersen, M., D. Beedy, W. Bryant, C. Cao, C. Cramer, J. Davis, M.Reichle, G. Saucedo, S. Tan, G. Taylor, T. Topozada, J. Treiman, and C. Wills. 1999. Seismic shaking hazard maps of California. (Map Sheet 48.) California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

USDA Soil Conservation Service. 1977. Soil survey, Solano County, CA. Washington, DC.

Wagner, D. L., C. W. Jennings, T. L. Bedrossian, and E. J. Bortugno. 1987. Geologic map of the Sacramento quadrangle. (Map No. 1A – Regional Geologic Map Series.) California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Section 3.7. Hydrology and Water Quality

Printed References

Solano County. 1977. Health and Safety Element: Seismic Safety, Safety, Noise. A Part of the Solano County General Plan. Prepared by Sedway / Cooke, Urban and Environmental Planners and Designers. Solano County, CA.

_____. 2004. Building and Safety Permits. Available online: <<http://www.co.solano.ca.us/SubSection/SubSection.asp?NavID=343>>. Accessed on September 8, 2004.

State Water Quality Resources Control Board. 2002. The Section 303(d) List of Water Quality Limited Segments. Available online: <http://www.swrcb.ca.gov/tmdl/docs/2002cwa303d_listof_wqls072003.pdf>. Accessed on September 3, 2004.

SWRCB. *See* State Water Quality Resources Control Board.

Section 3.8. Land Use, Planning, and Agricultural Resources

California Department of Conservation. 2002. California Farmland Mapping and Monitoring Program. Sacramento, CA.

Natural Resource Conservation Service (formerly Soil Conservation Service). 1977. Soil Survey of Solano County, California. May.

NRCS. *See* Natural Resource Conservation Service.

Section 3.9. Noise

Federal Transit Administration. 1995. Transit Noise and Vibration Impact Assessment. Washington, DC.

Hoover & Keith, Inc. 2005. Kirby Hill gas storage facility (Solano County, California): results of noise impact analyses for a proposed new natural gas storage facility (H&K Report No. 1914.) July 8. Houston, TX.

San Joaquin County. 1992. General Plan 2010. Noise Element. Adopted: July 29. Stockton, CA.

White, F. 1975. Our acoustic environment. John Wiley & Sons. Canada.

Section 3.10. Public Health and Safety

ERM. *See* Environmental Resources Management.

Environmental Resources Management. 2005. Phase I Environmental Site Assessment for the Kirby Hills Gas Storage Project. Walnut Creek, CA. June.

Jones & Stokes Associates. 1999. Environmental Impact Report for Lodi Gas Storage, LLC's CPUC Application 98-11-012. Personal communication by Brown, Brent. Engineer, U.S. Department of Transportation, Office of Pipeline Safety, Denver, CO. April 12, 1999 – telephone conversation.

Section 3.11. Public Services and Utilities

City of Rio Vista. 2004. Welcome to the City of Rio Vista. Available online: <<http://ci.rio-vista.ca.us>>. Accessed on August 21, 2004.

Solano County. 2005. Living in Solano. Available online: <<http://www.co.solano.ca.us/LivingSolano.asp>>. Accessed on June 30, 2005.

Solano County Administrator's Office. 2003. Facts and Figures. Available online: <<http://www.co.solano.ca.us/resources/CountyAdministrator/2003-04docs/FactsAndFigures.pdf>>. Accessed on June 30, 2005.

Western Railway Museum. 2005. General Information. Available online: <<http://www.wrm.org/wrmgene.html>>. Accessed on June 30, 2005.

Section 3.12. Transportation and Circulation

Solano County. 1977. Scenic Roadways Element. A Part of the Solano County General Plan. Prepared by Sedway/Cooke, Urban and Environmental Planners and Designers. Solano County, CA.

Solano County Transportation Department. 2001. Solano County Road Improvement Standards and Land Development and Subdivision Requirement. Solano County, CA.