

Southern California Edison
WODUP A.13-10-020

DATA REQUEST SET A.13-10-020 WODUP ED-SCE-02

To: ENERGY DIVISION
Prepared by: Paul Yamazaki
Title: Senior Biologist
Dated: 04/02/2014

Question BIO-06c:

Biological Resources

BIO-6 Botanical Resources survey report (BRC 2013).

c. Please provide resumes of all field staff involved in botanical surveys.

Response to Question BIO-06c:

Attached are resumes for David Magney, the lead botanist for 2012, and Steve Jones, the lead botanist for 2013.

DAVID L. MAGNEY
PROJECT MANAGER, SENIOR BOTANIST, WETLAND SPECIALIST, CERTIFIED ARBORIST

EDUCATION

B.A. Environmental Studies and Geography (emphasis in botany, cartography, and remote sensing), University of California at Santa Barbara, 1985.

A.S. Landscape Horticulture and Certificate in Natural Resources, Ventura College, 1975.

CERTIFICATIONS

Approved Biologist: Los Angeles County Regional Planning Department, Sensitive Ecological Areas

Approved Biologist: City of Rancho Palos Verdes

Approved Biologist: Ventura County Planning Division

Approved Biologist: Santa Barbara County Planning Department

Approved Biologist: County of Mariposa, California

Certified Arborist: International Society of Arboriculture (certification #WE-7674A)

Expert Witness, Botanist: U.S. Department of Justice

QUALIFICATIONS AND EXPERIENCE

Mr. Magney offers 30 years' experience in biological and horticulture studies and 25 years in professional environmental consulting. He has managed projects focusing on large-scale habitat classification and mapping, wetlands inventory and restoration planning, and water reuse and diversion that affect wetland habitats containing numerous special-status plant and wildlife species. He has also managed special-status species surveys in the Four Corners Region, Great Valley, Sierra Nevada, the Central California Coast, Southern California, and on Santa Cruz Island.

Mr. Magney has prepared and managed biological resources sections of Environmental Impact Reports (EIRs) and Initial Studies pursuant to CEQA for numerous projects in California. He has prepared EIRs for: general plans for the Cities of Lodi and Fairfield; the San Joaquin North County Landfill; a water main extension for Newhall County Water District, the Bridle Ridge Development (San Marcos Foothills) in Santa Barbara County, and the Lyons Canyon Ranch development in Newhall for Los Angeles County Regional Planning. Since 1995, he has also prepared numerous Initial Studies on biological resources for the Ventura County Planning Division. He has critically reviewed numerous CEQA documents since 1982.

Mr. Magney has worked on watershed management plans, such as for the Calleguas Creek watershed in eastern Ventura County, focusing on upland and wetland habitat functions, characterizing habitat conditions, and developing restoration and management strategies to restore or enhance impacted functions. He recently completed a characterization and analysis of the urban streams within the City of Ojai.

Mr. Magney has prepared and reviewed biological resources sections of Environmental Impact Statements (EIS) and Environmental Assessments (EA) prepared pursuant to the National Environmental Policy Act (NEPA). He managed the botanical resources section for a programmatic EIS on the Central Valley Project Improvement Act of 1990, which included a project area covering most of California; EAs for Fort Hunter Liggett, Camp Roberts, a drilling project in the Los Padres National Forest (LPNF), off-highway vehicle trails in the LPNF, and the Santa Cruz Island Acoustic Range Facility (a former Navy facility).

Mr. Magney has interpreted and processed satellite and aerial imagery (Landsat, SPOT, SAR, and color and IR aerial photography) using GRASS, ARC/INFO, and ERDAS Imagine software for the following large-scale projects: California statewide to support an EIS for the Central Valley Project Improvement Act of 1992; natural vegetation of the Calleguas Creek watershed (Ventura County) for the USFWS; Camp Pendleton Marine Corps Base; endangered species habitats within the Contra Costa Water District interim service area; central Ventura County for Unocal; the Ventura River for the Matilija Dam Removal Project; pipeline projects in coastal Ecuador and Mississippi to Alabama; and, an impact evaluation for an oil-related project in Amazonian Ecuador. He has used satellite imagery to map vegetation/land cover for the Great Basin as part of a transmission line routing study, and delineated Waters of the U.S., and wetlands, along the Southern California Edison's Devers to Leatherneck transmission lines in Riverside and San Bernardino Counties in the Mojave Desert.

Mr. Magney is conducting extensive research on the flora of Ventura County, currently in editing and soon to be published as *A Flora of Ventura County*. This project was started in earnest in 1982 and includes original research and research on collections made by other botanists over the past century. Mr. Magney has managed oak tree assessment projects in California, including the Lyons Canyon Ranch development in Newhall, creating a GIS database and maps of all assessed oak trees.

Mr. Magney has conducted water quality sampling and monitoring for several projects to establish baseline conditions and conduct construction and post-construction monitoring, such as for Exxon's Las Flores refinery in Corral Canyon, Santa Barbara County. He has developed and implemented water quality controls for use during project construction and mitigation implementation.

Mr. Magney has served as an expert witness as a botanist for the U.S. Department of Justice on the EPA vs. Adam Brothers case and as a wetland expert on a private lawsuit in Ventura County (Old Creek Ranch vs. Watson), assisting the plaintiffs.

His prior work experience includes service as senior program manager for natural resources (biological and archaeological) at Fugro West, Inc. (1995 – 1997); senior botanist for Jones & Stokes Associates, Inc., Sacramento, (1989 – 1995) where he worked on and managed projects with major biological or regulatory compliance components; and, prior to 1989, as botanist for Dames & Moore at their Santa Barbara office. He has also worked with the U.S. Forest Service, Los Padres National Forest, as a GS-9 Botanist (temporary) and on a voluntary basis, and as a research associate with the UC Santa Barbara Herbarium. He worked

as a Nurseryman for Green Thumb Nursery in 1975 and worked as greenhouse lab technician for Pacific Horticulture and Brokaw Nursery, all in Ventura County. He formerly owned and operated the Ojai Wilderness Institute

TRAINING

- Hydrogeomorphic Wetland Assessment: National Wetland Science Training Coop., 1996-97.
- Wetland Delineation, Federal Wetland Policy: Wetland Training Institute, 1989 and 1991.
- Desert Tortoise Handling and Surveying: trained by Desert Tortoise Council (John Weir) 1988.
- Hazardous Waste Health and Safety Monitoring Training: Dames & Moore, 1987.
- ArcView 3 (GIS) training: Geo InSight International, 1998.
- Vegetation Rapid Assessment Classification: California Native Plant Society, 2003.
- Successful CEQA Compliance 2005: Ron Bass/Ventura County Resource Management Agency.
- California Red-legged Frog Survey Methods, 2005.
- The Wildlife Society San Joaquin Valley Chapter workshop: Habitat Conservation Planning, 1992.
- American Association for the Advancement of Science symposium: Vernal Pools, 1989.
- Professional Soil Scientists of California workshop: Field Identification of Hydric Soils, 1989.
- SPOT Image Corporation: Satellite Imagery and GIS training course, 1995.
- Jones & Stokes Assoc.: Project Management, Hydric Soils, Regulations Concerning Wetlands, CEQA Requirements and Document Preparation, Computer Skills Training, 1989-93.
- Project Management Training: Dames & Moore seminar, 1988

PROFESSIONAL AFFILIATIONS

- American Society of Plant Taxonomists
- American Bryological and Lichenological Society
- AnacapaGIS, co-founder
- Association of State Wetland Scientists
- Botanical Society of America
- California Botanical Society
- California Lichen Society (Conservation Committee)
- California Native Plant Society (Board Member 2002-2007, VP Conservation 1996;

VP Legislation 1995; President 1991-1994; Channel Islands Chapter President 2004-2011; Chapter Council Chairman 2011; Redbud Chapter Conservation Committee Chairman 2009-2011)

- Channel Islands Regional Geographic Information Systems, Inc. (charter board member, Chairman)
- International Society for Arboriculture (ISA), and Western Chapter Native Plant Coalition (founder)
- Northern California Botanists
- Sespe Institute (cofounder and President)
- Society of Wetland Scientists
- Southern California Botanists
- Santa Barbara Botanic Garden

PUBLICATIONS

Magney, D. L. in ed. *A flora of Ventura County*. Ojai, California.

Magney, D. L. in ed. *A comparison of Swedish and American wetland protection laws*.

Magney, D.L. 2011. *Vascular plants of the Palos Verdes Peninsula, Los Angeles County, California*. 20 July 2011. The Sespe Institute, Inc., Ojai, California.

Magney, D.L. 2010. *Flora of Kings County, California*. 1 December 2010. The Sespe Institute, Inc., Ojai, California.

Magney, D.L. 2010. *Terrestrial gastropods of Los Angeles County*. 20 August 2009, revised 29 September 2010. The Sespe Institute, Ojai, CA.

Magney, D.L., and C.L. Huff. *Preliminary checklist of Los Angeles County bryophytes*. 16 March 2010. The Sespe Institute, Inc., Ojai, California.

Chattin, L., L. Rubin, and D. Magney. 2006. *A Winning combination: local land-use planning and fine-scale vegetation maps*. *Fremontia* 34:3(9-13).

Knudsen, K., and D.L. Magney. 2006. *Rare lichen habitats and rare lichen species of Ventura County, California*. January 2006. *Opuscula Philolichenum* 3:49-52.

Magney, D. L. 2004. *How common are mistletoes Anyway?* *Crossosoma* 30:1

Magney, D. L., and K.G. Niessen. 2005. *Oak tree data assessment solutions using GIS*. 9 May 2005. Presented to ESRI ArcView User's Group, Ventura College, California.

Magney, D. L. 2005. *Atlas of California Native Terrestrial Snails in Ventura County*. Prepared for County of Ventura, Resource Management Agency, Planning Division. Ventura, California.

- Magney, D. L. 2004-2011. *Checklist of Ventura County Rare Plants*. 15 June 2004 (18th edition published June 2011). California Native Plant Society, Channel Islands Chapter, Ojai, California. Updated periodically.
- Magney, D. L. 1999. *Preliminary list of rare California lichens*. Bulletin of the California Lichen Society 6(2):22-27.
- Tupen, G., and D.L. Magney. 1996. *San Antonio Creek habitat characterization study*. Poster presented at the American Fisheries Society Southern Steelhead Symposium, Ventura, California.
- Ferren, W. R. Jr., D. L. Magney, and T. Sholars. 1995. *The future of California floristics and systematics: collecting guidelines and documentation techniques*. Madroño 42(2): 197-210.
- Magney, D. L. and E. B. Roberson. 1995. *CNPS statement on seeding following wildfire*. In *Brushfires in California: Ecology and Resource Management* (conference proceedings). International Association of Wildland Fire, Fairfield, Washington.
- Clark, G. M., and D. L. Magney. 1994. *Vascular plants of Bear Valley, Walker Ridge, and surrounding areas, Colusa and Lake Counties, California*. Four Seasons 9(4):25-32.
- Magney, D.L., and K.M. Bogdan. 1993. *What are ARNIs?* National Wetlands Newsletter 15(3):4-5.
- Magney, D.L. 1993. *Focus on vernal pools*. National Wetlands Newsletter 15(3):6.
- Magney, D.L. 1993. *Faults with growing season determinations using the U.S. Army Corps of Engineers Wetlands Delineation Manual*. In *Riparian Management: Common Threads and Shared Interests – Proceedings of a Conference, February 4-6, 1993*; Water Resources Research Center, Albuquerque, New Mexico; College of Agriculture, University of Arizona, Tucson.
- Magney, D.L. 1992. *Descriptions of three new southern California vegetation types: Southern Cactus Scrub, Southern Coastal Needlegrass Grassland, and Scalebroom Scrub*. Crossosoma 18(1):1-9.
- Ferren, W., M. Capelli, A. Parikh, D. Magney, K. Clark, and J.R. Haller. 1990. *Botanical resources at Emma Wood State Beach and the Ventura River Estuary, California: Inventory and Management*. Herbarium Environmental Report No. 15, University of California, Santa Barbara.
- Magney, D. L. 1988. *Habitat survey for California Jewelflower, Caulanthus californicus (S. Watson) Payson in the Los Padres National Forest*. Ojai Wilderness Institute, Ojai, California. Prepared for U.S. Forest Service, Los Padres National Forest, Goleta, CA.

- Magney, D. L. 1988. *Analysis of water quality of an intermittent stream, Santa Barbara County, California*. Poster presentation the California Riparian Systems Conference, Davis, California.
- Magney, D. L. 1987. *Distribution and two new populations of Boschniakia strobilacea (Orobanchaceae)*. Madroño 34(4):379-380.
- Olson, T., and D. L. Magney. 1987. *Distribution of sensitive plant and wildlife species along transmission line corridors in southwestern San Joaquin Valley, California*. In Endangered and Sensitive Species of the San Joaquin Valley, California, (conference proceedings). Contribution 36, California State College, Bakersfield.
- Ferren, W., and D. Magney. 1986. *Wetland vegetation of the proposed Mandalay Beach State Park*. Campbell & Campbell Associates, Santa Monica, California.
- Magney, D. L. 1986. *A flora of Dry Lakes Ridge, Ventura County, California*. Herbarium Publication No. 5, University of California, Santa Barbara.

AWARDS AND GRANTS

- California Native Plant Society - 1985, grant to conduct research on the flora of Ventura County, California.
- Swedish-American Bicentennial Fund - 1995, grant from Swedish government to conduct research on a comparison of American and Swedish wetland protection laws and how they are applied.

COMMITTEE MEMBERSHIP

- Los Angeles County Regional Planning Environmental Review Board (member since August 2006).
- Ventura County Planning Division, Sensitive Biological Resources Committee (since 2003).
- East Merced County NCCP, Habitat and Biological Resources Committee (2002-2005).

STEPHEN JONES

Project Manager/Senior Botanist/Wetland Permitting Specialist

Stephen Jones has 25 years of experience as a botanist, conducting and managing floristic surveys and rare plant surveys in Los Angeles, Ventura, Santa Barbara, Orange, San Diego, and San Bernardino Counties of California. In addition, he has conducted rare plant surveys in Nevada, Utah, Arizona and the southeast coastal plain of the U.S. In California he has conducted rare plant surveys of several species including Gaviota tarplant (*Deinandra increscens* ssp. *villosa*), Lyon's pentachaeta (*Pentachaeta lyonii*), and Santa Susanna tarplant (*Deinandra minthornii*). His work with rare plants includes habitat assessment, focused surveys, impact analysis, mitigation and agency consultation. His experience also includes conducting faunal inventories, wetland delineations/permitting, impact analysis and mitigation development. Along with his extensive field experience he has experience preparing documents for proposed development and conservation projects pursuant to the California Environmental Quality Act (CEQA), California Endangered Species Act (CESA), California Fish and Game Code, Endangered Species Act (ESA), National Environmental Policy Act (NEPA), and Clean Water Act 404 (b)(1). He also has extensive experience as environmental construction monitor and lead monitor for linear telecommunication, electrical utility projects and natural gas pipeline projects.

EDUCATION

BA, Environmental Biology, Prescott College, 1987

CAREER RELATED TRAINING

Wetland Delineator Certification Program, Wetland Training Institute, Houston, Texas, 1996

Federal Energy Regulatory Commission Pipeline 7c Permitting and Compliance Training, Houston, Texas, 1999

Desert Tortoise Survey and Handling Workshop, Desert Tortoise Council, Ridgecrest, California, 2001

Southwestern Willow Flycatcher Habitat Assessment and Protocol Level Survey Training Kern County Preserve, Lake Isabella, California, 2002.

Federal Wetland and Waters Regulatory Policy, San Diego, CA, 2005

Wetland Delineation Regional Supplement Training, Richard Chin Environmental Training Inc., Sacramento, CA, 2011

PROFESSIONAL AFFILIATIONS

California Native Plant Society

Society of Wetland Scientists

CURRENT POSITION

Senior Botanist, Wetland Permitting Specialist, Project Manager – BioResource Consultants, Inc., Ojai, CA August 2008 –present

Selected Projects and Responsibilities

Project Management (August 2010-2011) as Senior Botanist for BioResource Consultants, Inc. Mr. Jones provided project management and oversight for the Wilson Creek Wind Project 2010 floristic inventory, plant community mapping and rare plant surveys. Mr. Jones developed project botanical survey protocols, managed the botanical field team and was the primary author of the project rare plant survey report.

Project Management (2009-present) as Senior Botanist for BioResource Consultants, Inc. Mr. Jones has provided project management and oversight for the City of Santa Paula Wastewater Treatment Facility Restoration and Vegetation Monitoring project. Mr. Jones developed a Vegetation Monitoring Plan (VMP). The purpose of the VMP was to create a protocol and methodology to establish a biology baseline to assess the potential effect to an existing willow riparian community from the cessation of the City wastewater treatment effluent channel. Mr. Jones has managed the monthly field survey team and data entry and quantitative analysis. Mr. Jones has also been the primary author of the annual monitoring reports.

Project Management (April-December 2009) as Senior Botanist for BioResource Consultants Mr. Jones provided project management and oversight for the SCE Angeles National Forest Icehouse, Ferrara, Blueridge and Robin Circuits floristic inventory and rare plant surveys in support of a Biological Assessment Biological Evaluation (BABE). He developed botanical survey protocols and managed the botanical field team. In addition, he was the primary author and coordinator for the preparation of the BABE.

Project Management Plant/Rare Surveys (August 2008-present). Mr. Jones has managed and conducted numerous plant surveys including floristic inventories, rare plant surveys and vegetation community mapping for a variety of projects including projects for the Santa Barbara County Public Works Department Environmental and Biological Service Contract, SCE Distribution Substation Projects and private wind developed projects.

Project Management (August 2008-present) Mr. Jones has provided project management and conducted wetland delineations and assessment of waters of the U.S. and state waters. He has provided project management and permitting expertise for California Department of Fish and Game Streambed Alteration Agreements-Fish and Game Code (Section 1602), U.S. Army Corps of Engineers Individual and Nationwide Permits under Section 404 of the U.S. Clean Water and Regional Water Quality Control Board Section 401 Water Certification for a variety of projects. Projects include SCE Invader Rover 12KV Underground Project, SCE Battalion 12KV Cable Replacement, SCE San Bernardino Generation Station, Sand Canyon Wind Project and the Skunk Road Low Flow Bridge Replacement Project.

Monitoring (August 2008-present) Mr. Jones has conducted botanical and biological monitoring and in field team management for a variety of projects including SCE Hazardous Tree Removal Project, SCE Kimball Substation Project, Valley Crest Tree Company Tehachapi Renewable Transmission Project. Duties involve conducting biological pre-construction surveys and clearance surveys and providing onsite construction monitoring to ensure compliance with project agency regulatory conditions.

PREVIOUS EMPLOYMENT

Senior Botanist, Project Manager, Envicom Corporation, Agoura Hills, California. July 2007 – July 2008

Mr. Jones was responsible for planning and conducting biological studies necessary to prepare documents for proposed development and conservation projects pursuant to the California Environmental Quality Act (CEQA), California Endangered Species Act (CESA), California Fish and Game Code, National Environmental Policy Act (NEPA), and Clean Water Act 404 (b) (1) permitting. Specific responsibilities included: coordinating with lead and trustee agencies; conducting biological surveys including wetland delineations, plant and wildlife inventories, and vegetation mapping; developing, implementing and monitoring of restoration plans and mitigation measures.

Senior Biologist, Project Manager Parsons Corporation, Las Vegas, Nevada. August 2005-July 2007

Mr. Jones was responsible for managing the preparation of southern Nevada Water Authority's in state water resource projects Biological Assessments in support of Section 7 consultation. His other responsibilities included agency consultation with the United States Fish and Wildlife Service and Bureau of Land Management and review of Biological Assessments. Additional responsibilities included assisting in the biological field surveys for the Clark, Lincoln and White Pine Counties Groundwater Development Project.

Senior Botanist/Biologist, Jones & Stokes, Irvine, California. July 1998-July 2005

Mr. Jones was responsible for planning and conducting biological studies necessary to prepare documents for proposed development projects pursuant to the California Environmental Quality Act (CEQA), California Endangered Species Act (CESA). He conducted wetland delineations and waters of the U.S. determinations for submittal to the California Department of Fish and Game (Section 1602), and the Army Corps of Engineers (Clean Water Act 404 (b) (1)). He was the lead environmental monitor for the Shady Canyon Residential Development in Orange County. His other responsibilities included conducting plant and wildlife inventories, vegetation mapping, implementing and monitoring of restoration plans and mitigation measures.

Botanist/Biologist, Harding Lawson Associates, Houston, Texas. 1991-1998

Mr. Jones conducted biological studies necessary to prepare documents for proposed linear utility projects pursuant to the Endangered Species Act (ESA), National Environmental Policy Act (NEPA), and Clean Water Act 404 (b)(1). Biological studies conducted included general biological surveys, sensitive species surveys, wetland delineations and plant and wildlife

inventories. Sensitive species surveys and consultation included the threatened gopher tortoise (*Gopherus polyphemus*), endangered red-cockaded woodpecker (*Picoides borealis*) and various sensitive plant species. He was the environmental monitor and lead monitor for several large natural gas pipelines in Louisiana, Alabama and Florida. His other responsibilities included coordinating with the Federal Regulatory Commission, United States Fish and Wildlife Service and state agencies.

Botanist, Fugro McClelland, Ventura, California. 1990-1991

Mr. Jones conducted floristic inventories and rare plant surveys in Los Angeles, Ventura and Santa Barbara Counties. Projects included rare plant surveys and vegetation community mapping on Vandenberg Air Force Base, proposed development on Cojo Jalama Ranch near Point Conception, proposed Ronald Reagan Library development, Gaviota tarplant surveys on Gaviota State Beach and other public and private development projects in southern California.

Independent Consultant, Carpinteria, California. 1987-1990

Mr. Jones conducted floristic inventories and sensitive species surveys for public and private development projects in southern California.