

EDUCATION

1994 M.S., Anatomy (Evolutionary Morphology), University of Southern California, Los Angeles
1979 B.S., Anthropology (Physical), University of California, Davis

SUMMARY QUALIFICATIONS

Ms. Gust has more than 35 years of experience in cultural and paleontological resources management. She is a Registered Professional Archaeologist and Qualified Principal Paleontologist. She is experienced in managing energy projects in California and Nevada, including areas serviced by SCE in the San Joaquin Valley, Eastern Sierras, Mojave Desert, Sonoran Desert, and coastal California. She has managed over 40 task orders for SCE's Tehachapi Renewable Transmission Project, assessments and monitoring for the Eldorado-Ivanpah Transmission Line, and multiple projects involving generating stations and associated facilities. She holds statewide BLM permits for cultural and paleontology for California. She meets the qualifications required by the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation*. She is a certified/qualified principal archaeologist and paleontologist in most California cities and counties that maintain lists. Tasks personally performed include research, record searches, survey, assessment of impacts/effects, application of NRHP/CRHR significance criteria and archaeological site evaluation, management plans, mitigation implementation, research designs, treatment plans, human osteological identification and analysis, faunal identification and analysis and archaeological site damage assessments.

Ms. Gust is an Associate of the Natural History Museum of Los Angeles County in the Vertebrate Paleontology and Rancho La Brea Sections. She is a Member of the Society of Vertebrate Paleontology, Society for Archaeological Sciences, Society for Historical Archaeology, the Society for California Archaeology and others. She has special expertise in the identification and analysis of human, animal and fossil bone. In addition, she is a Reader at the Huntington Library and is experienced in archival research.

SELECTED PROJECTS

ADD BARREN RIDGE

Del Sur Solar EIR, Lancaster, Los Angeles County, CA. Managing a cultural resources assessment on behalf of the City of Lancaster for a proposed 100 MW solar facility on ~725 acres in the western portion of the Antelope Valley along with a 2-4 mile gen-tie line to Antelope Substation. Reviewed regulatory environment and environmental document. Sub to Aspen Environmental Group. Principal Archaeologist. 2015

North-South Gas Pipeline EIR/EIS, California Public Utilities Commission, San Bernardino and Riverside Counties, CA. Conducting cultural resources studies to support preparation of the project EIR/EIS documents. Applicants Southern California Gas and San Diego Gas and Electric propose to construct a 63-mile pipeline (Adelanto to Moreno), 32-mile pipeline (Moreno to Whitewater) and associated infrastructure at four stations. Verify distance, CPUC changed numbers Nov 2014. United States Forest Service (USFS) is the federal lead agency for NEPA compliance. Sub to Ecology and Environment. Principal Investigator. 2015-ongoing

(Note: organized by region, not date)

Master Service Agreement (MSA), Southern California Edison (SCE), Monrovia, CA. Managed dozens of projects and task orders involving cultural resources environmental compliance for generating stations, transmission lines, interconnections, pole replacements, pipelines, and associated facilities in coastal, desert and mountain environments located on BLM and private lands. Manages a separate contract for three contingent personnel located in the SCE headquarters. Services include: surveys, mapping, artifact and fossil recovery, lab work, sensitivity training, mitigation planning, and compliance monitoring. Project Manager/Principal Investigator. 2010-present

Representative projects: Eldorado-Ivanpah Transmission Line, Downs Transmission Line, Kingbird Interconnection, Sunpower Interconnection, North Sky Wind River, Coram Brodie, Devers-Mirage 115 KV System Split, Seawest Mountainview IV Generation, WECC Path 42 Transmission, El Casco Transmission, Fogarty Substation, Sentinel Power Plant, Doble 33kV Transmission, Leatherneck Substation, Morongo Geotechnical Testing, Falcon Ridge

Substation, Daggett II, Alvarado 66kV, Metropole Vault Replacements, Alpine Suntower Solar Interconnection, Big Rock 16kV Distribution Circuit Extension, and Manufactured Gas Plant Curation.

SCE PROJECTS

Metropole Vault Replacements, Southern California Edison, Avalon, Catalina Island, Los Angeles County, CA.

The project involved archaeological monitoring and coordinating Native American monitoring during ground disturbing activities of a 30,000 s.f. APE for replacement of two underground electrical vaults. The site is located within the boundaries of a Tongva tribal village. Supervised the recovery and reburial of remains discovered on-site. Managed negotiation with Most Likely Descendent regarding analysis permitted, processing of all materials and report. Supervised analysis of human remains and faunal, created the faunal catalog and co-authored the technical report. Project Manager/Principal Investigator. 2014-2015

Rio Hondo-Saugus 220kV Idle Line Removal, Southern California Edison, Angeles National Forest and Private Property, Los Angeles County, CA. Cogstone conducted a paleontological assessment that included a records search and recommendation for mitigation monitoring during removal of ~2.5 miles of idle transmission line and 13 towers along with the associated foundations and hardware. Sub to Compass Rose. Principal Investigator. 2014

Alpine Suntower Solar Interconnection, Southern California Edison, Neenach, Los Angeles County, CA.

Paleontological monitoring during earth moving activities associated with replacement of power poles; prepared final compliance report. The project involved interconnection of the 66 MW Alpine Suntower Solar Project to the Neenach Substation via a generation tie-line and telecommunications fiber optic cables. SCE installed approximately 16.7 miles of fiber optic cable on existing 66kV overhead poles between Neenach and Bailey Substations. Principal Investigator. 2012

Big Rock 16kV Distribution Circuit Extension, Southern California Edison, Oat Mountain/ Santa Susana Mountains, Chatsworth, Los Angeles County, CA. Conducted a 15-acre Phase I cultural resource investigation for the proposed 16kV extension including literature review and intensive pedestrian survey of the proposed Project Area in compliance with the CEQA. Results of the record search and pedestrian survey were negative for cultural resources within the Project Area located on a landform known as Oat Mountain, within the Santa Susana Mountains, north of the City of Chatsworth. Quality Control and Co-author of the compliance report, Phase I Cultural Resources Study. Sub to SWCA. Principal Investigator. 2013

Tehachapi Renewable Transmission Project, Segments 1-3 and 4-11, Southern California Edison, Los Angeles and Kern Counties, CA. Managed over 40 task orders for segments from Tehachapi through the Antelope Valley, Angeles National Forest north of SR 14, and San Gabriel Valley. Tasks included Paleontological Resources Management Plans, cultural resources surveys, archaeological and paleontological monitoring, GIS mapping, artifact and fossil recovery, lab work, and review/response to EIR for construction of new electrical transmission facilities, on behalf of SCE. Project Manager and Principal Archaeologist for Cogstone's work and Principal Paleontologist for entire project. 2007-2009

Downs Transmission Line, Southern California Edison, San Bernardino and Kern Counties, CA. The project involves upgrading the existing Downs 33/12kV Substation to a new 115/12kV substation. Paleontological assessment of 72 miles of SCE electrical lines and associated telecommunications from Trona to Ridgecrest across mostly BLM lands. Principal Investigator. 2010

Kingbird Interconnection, Southern California Edison, Rosamond, Kern County, CA. Provided paleontological monitoring, sensitivity training for construction personnel and prepared compliance report. The project involved excavation of holes for three tower footings providing interconnection that will collect energy from proposed wind farms to the Whirlwind Substation. Principal Investigator. 2013

Sunpower Interconnection, Southern California Edison, Rosamond, Kern County, CA. Provided paleontological monitoring, sensitivity training for construction personnel and prepared compliance report. The project involved removal of old power poles and excavation of holes for new power poles for transmission lines that will provide connection to the Antelope Valley Solar Project. Principal Investigator. 2013

North Sky Wind River, Southern California Edison, Tehachapi, Kern County, CA. Performed paleontological monitoring and prepared a final monitoring report to SCE for the construction of transmission tower foundations. The project involved road construction and augering for the placement of transmission towers. Principal Investigator. 2012

- Coram Brodie, Southern California Edison, Mojave, Kern County, CA.** Provided cultural and paleontological resources monitoring for a tubular steel pole and fiber optic cable installation project near the City of Mojave. Principal Investigator. 2011
- Manufactured Gas Plant Curation, Southern California Edison, Santa Barbara County, CA.** Collections management of previously recovered artifacts and faunal samples, including: finding an appropriate repository for permanent curation, formulating a discard policy; reducing the collection; preparing the collection for the repository including numbering, labeling, revising catalog, etc.; and transferring to the repository. Principal Investigator. 2011
- Alvarado 66kV, Southern California Edison, Oxnard, Ventura County, CA.** Performed archaeological record searches, pedestrian survey, and monitoring of construction activities for SCE. Prepared archaeological and paleontological monitoring report. Principal Investigator. 2010
- Eldorado-Ivanpah Transmission Line, Southern California Edison, Eldorado, NV to Ivanpah, CA.** Managed multiple task orders under Master Service Agreement involving cultural and paleontological resources record searches, assessments and monitoring. Prepared a Paleontological Resources Management Plan (PRMP) for 2,824-acre APE involving construction of 71 miles of transmission lines and associated telecommunications across both BLM and private lands. Principal Investigator. 2010-2013
- Devers-Mirage 115 KV System Split Project, Southern California Edison, Riverside County, CA.** Cultural resources mitigation monitoring during construction activities associated with electrical systems upgrade in of Cathedral City, Indian Wells, Palm Desert, Palm Springs, Rancho Mirage, Thousand Palms and unincorporated Riverside County, on behalf of SCE. Principal Investigator. 2011
- Mountainview IV Wind Generation, Southern California Edison, unincorporated Palm Springs, Riverside County, CA.** Performed archaeological and paleontological record searches, pedestrian survey, background research, Native American consultation, and preparation of assessment report for SCE. The proposed 49 MW project involves the construction of an overhead transmission line and underground fiber optic connections on ~19 acres of privately held land and BLM land between existing SCE facilities and the future AES SeaWest Mountainview substation. Principal Investigator. 2011
- Lake Matthews Deteriorated Power Pole, Southern California Edison, near Perris, Riverside County, CA.** Performed a cultural resources assessment, pedestrian survey, record search, and prepared a report to review the replacement of a power pole. Principal Investigator. 2012
- WECC Path 42 Transmission Line Upgrades, Southern California Edison, Palm Springs area, Riverside County, CA.** Supervised cultural and paleontological resources Phase I studies for 14.5 mile transmission line segment on BLM and private lands. Prepared sections of both the Paleontological and the Cultural Resources Assessment Report. Currently providing mitigation monitoring during construction. Principal Investigator. 2011-2015
- El Casco Transmission Project, Southern California Edison, near Banning, Riverside County, CA.** Conducted preconstruction mitigation measures and prepared Paleontological Resources Treatment Plan for new transmission/substation project in Riverside County. Principal Investigator. 2009-2010
- Equinox DSP – Rush Project, Southern California Edison, Menifee, Riverside County, CA.** Conducted cultural resources monitoring during ground disturbing activities associated with construction of a power pole line. Principal Investigator. 2011
- Fogarty Substation and Water Pipeline, Southern California Edison, near Lake Elsinore, Riverside County, CA.** Cultural and Paleontological Resources Treatment Plan, 2010. Mitigation monitoring, artifact evaluation and recording. Principal Investigator. 2015
- Corona Bone ID, Southern California Edison, Corona, Riverside County, CA.** Provided field identification of a bone and ceramic fragment recovered from a SCE pole replacement site. Principal Investigator. 2012
- Sentinel Power Plant, Southern California Edison, Palm Springs, Riverside County, CA.** Provided paleontological and archaeological monitoring services during construction north of the City of Palm Springs. Principal Investigator. 2012

Doble 33kV Transmission Line Emergency Repair, Southern California Edison, San Bernardino National Forest, San Bernardino County, CA. Performed cultural resources monitoring and reporting. Principal Investigator/ Quality Control Review. 2011

Leatherneck Substation, Southern California Edison, Twenty-Nine Palms, San Bernardino County, CA. Intensive pedestrian cultural resources survey of ten pulling stations and subsequent survey report. The federal lead agency for the project is the Department of Defense at 29 Palms Marine Air Ground Task Force Training Command. Principal Investigator. 2012

Pole 63815 Emergency Response, Southern California Edison, Apple Valley, San Bernardino County, CA. A construction crew uncovered a faunal specimen which required immediate identification. Provided bone identification during construction activities, emergency response. Principal Investigator. 2011

Morongo Geotechnical Testing Project, Southern California Edison, near Banning, San Bernardino County, CA. Cultural resources monitoring compliance report for SCE and Bureau of Indian Affairs (BIA). Principal Investigator. 2010-2011

Falcon Ridge Substation and Transmission Lines, Southern California Edison, Fontana/Rialto, San Bernardino County, CA. Archaeological survey, assessment and recording of historical archaeological features on 287 acres. Principal Investigator. 2010

Daggett II, Southern California Edison, Daggett, San Bernardino County, CA. Conducted archaeological, paleontological, and Native American monitoring for the Human External Cargo Helicopter Training Facilities Project. Principal Investigator. 2011

LADWP

Niland Solar Energy Project, Los Angeles Department of Water and Power, Niland, Imperial County, CA. Conducted a paleontological literature search and assessment report identifying potential impacts of proposed construction activities. As an alternative to monitoring, conducted a mitigation program by obtaining scientifically significant samples of Lake Cahuilla bed sediments. Sub to EDAW. Principal Investigator. 2008-2009

Scattergood Olympic Line 1 Generating Station Project, Los Angeles Department of Water and Power, Culver City, Los Angeles County, CA. Performed archaeological and paleontological record searches, review of literature, driving survey and prepared final assessment report. Sub to IFC Jones & Stokes. Principal Investigator. 2008-2009

Renewable Energy (not SCE projects)

Aspiration Solar IS/MND, Aspiration Solar G LLC, Fresno County, CA. Managed a cultural resources assessment of the 80-acre APE and the ~2,500-foot long gen-tie area within a 200-foot wide corridor associated with construction of a photovoltaic solar generating project. Tasks included pedestrian survey, GIS mapping and preparing the cultural resources memo report. Sub to Aspen Environmental Group. Principal Investigator. 2015

Longboat Solar Photovoltaic, EDF Renewable Energy, Barstow and Lenwood, San Bernardino County, CA. Conducted a cultural resources Phase I and Extended Phase I studies to support MND for this ~235-acre site. Archaeological and paleontological resources records search, Sacred Lands search, NAHC consultation, Sub to Environmental Intelligence. Principal Investigator. 2014-ongoing

Caltrans lab solar project, Fontana, sub to EPD Solutions (see transportation resume)

Sand Canyon Wind Project/Sand Canyon Creek Wind Project, Tehachapi, Kern County, CA. Conducted paleontological record search, background research, and prepared an assessment report for the project proponent, Sand Canyon Creek, LLC. The two proposed 25 MW wind projects are situated on ~10 acres of a 205-acre site located approximately 7 miles east of the City of Tehachapi. The project will transmit energy via 66 kV lines to SCE's Monolith Substation. Sub to RMT. Principal Investigator. 2010-2011

Supporting Studies for Renewable Energy Development Environmental Assessment (EA), Yuma Proving Ground, U.S. Army Environmental Command, Yuma, AZ. Evaluation of the eligibility of the six known archeological sites for listing in the National Register of Historic Places (NRHP). The isolated occurrences did not meet the minimum criteria for ASM site designation and are not considered eligible for NRHP inclusion. Principal Investigator. 2012

Truckhaven Geothermal Exploration Project, NGP Truckhaven, LLC, Salton Sea, Imperial County, CA. Conducted a paleontological resources assessment of the project area proposed for drilling of new exploration wells on land managed by the California Department of Parks and Recreation and Bureau of Land Management. Sub to Environmental Management Associates. Principal Investigator. 2011-2012

Alamo Solar, Conditional Use Permit, E.ON, unincorporated Helendale, San Bernardino County, CA. The proposed Conditional Use Permit (CUP) establishes a 20- megawatt photovoltaic (PV) solar electric power generating facility within an approximately 123-acre portion of a 175-acre site. Managed paleontological field survey, developed a mitigation plan and environmental awareness training plan. Paleontological monitoring during construction will be conducted. Compliance reporting. Sub to HDR Engineering. Principal Investigator. 2014-ongoing

Rock Springs 1500kV Solar Photovoltaic System, Hesperia, San Bernardino County, CA Managed field survey, background research, and records search, and prepared a Cultural Resources Assessment Report for a 10-acre site for Sybac Photovoltaics. Principal Investigator. 2011

Catalina Solar 2, EDF Renewable Energy, Rosamond, Kern County, CA. Managed cultural and paleontological tasks associated with construction of a 18MWac utility-scale solar photovoltaic facility on a 761.4-acre site that will connect to the (SCE verify) Whirlwind substation. Tasks include preparation of a Cultural Resources Management Plan, Paleontological Resources Mitigation Plan, Construction Monitoring Plans, and Worker Environmental Awareness. Sub to Environmental Intelligence. Principal Investigator. 2014 verify

Strata B Solar Due Diligence, California City-North Edwards, Kern County, CA. Prepared a paleontological and archaeological due diligence summary for a solar energy project on behalf of the County of Kern. Principal Investigator. 2008

PG&E

Gas Training Facilities, Pacific Gas & Electric, Fairfield, Vacaville, Winters, Solano and Yolo Counties, CA. Performed background research, records searches, and sensitivity analysis to determine the potential Project-related effects on paleontological resources during construction of three proposed PG&E Gas Training Facilities. Prepared Paleontological Technical Studies. These studies were conducted in compliance with the CEQA. Sub to Cardo Entrix. Principal Investigator. 2014

Wood Pole Replacement Project, Pacific Gas & Electric, Central California, Sacramento, CA. Providing cultural resources support services including site assessments and reports, record searches, pre-construction surveys, monitoring, and other specialty surveys and reports, as needed, on public, private, state and federal lands throughout central California. Sub to ICF International. Quality Control. 2013-ongoing

(this was Nancy Sikes' project)

Topock Remediation Project, Pacific Gas and Electric, Needles, San Bernardino County, CA and Mohave County, AZ. Provided cultural resources services under CEQA for PG&E for implementation of the Mitigation Monitoring and Reporting Program (MMRP), development of protocols, a Monitoring Plan, Treatment Plan, among other tasks, and to assist PG&E in working closely with Native American tribes to address their concerns regarding the Topock Cultural Area, a Traditional Cultural Property (TCP) eligible for National Register listing. Quality Control. 2011-2014

SDG&E

Utility Corridor Improvements, San Diego Gas & Electric, San Juan Capistrano, Orange County, CA. Conducted archaeological monitoring of 67 pothole excavations within the utility corridor for improvements to the Capistrano Substation. Prepared an Archaeological Resources Monitoring Compliance Report. This work was completed to meet the requirements of the City of San Juan Capistrano as the lead agency under the CEQA. Principal Investigator. 2012