

APPENDIX D

Padre Staff Resumes

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Kenneth Lee Gilliland

Staff Biologist

Experience Summary: Kenneth L. Gilliland has 5 years of experience as a wildlife biologist with an emphasis on the assessment and monitoring of special-status plant and wildlife species. During this period Mr. Gilliland has conducted habitat assessments; special-status plant and wildlife species surveys; ensured client compliance with the Endangered Species Act (ESA), Clean Water Act, National Pollution Discharge Elimination System, and the California Department of Fish and Game Code; habitat revegetation/restoration; invasive plant removal; wetland mitigation; special-status plant and wildlife biological monitoring; and National Environmental Policy Act (NEPA) and California Environmental Quality Act (CEQA) document preparation for a variety of projects. Project experience has included close coordination with all federal and state agencies involved. In addition, Mr. Gilliland has participated in numerous site-specific U.S. Fish and Wildlife Service (USFWS) protocol surveys for the California red-legged frog (*Rana aurora draytonii*) and arroyo toad (*Bufo californicus*) and has acquired the ability to identify all of their life stages as they occur in their natural habitat. Additionally, Mr. Gilliland been approved by the USFWS to handle and relocate California red-legged frogs during various projects.

Education: B.S. Zoology, Humboldt State University, Arcata, CA. 2002.
Pursuing a Masters of Science in Amphibian Ecology at Cal Poly San Luis Obispo.

Graduate level education applicable to the California red-legged frog

- **Herpetology 488 – (Spring 2000):** Course emphasized the identification and life history of southwestern herpetofauna species, including the California red-legged frog and arroyo toad. Instructor: Dr. Howard Snell (email: howard@fcdarwin.org.ec)

Specific Project Experience: The following represents a chronological list of project experience relevant to the California red-legged frog. It should be noted that all project experience described below has been conducted to USFWS protocol and under the guidance and/or direct supervision of senior level biologists, including Mrs. Jamie Uyehara (U.S. Forest Service), Mr. Tom Murphey (U.S. Forest Service), Mr. David Freed (U.S. Forest Service), Mrs. Katherine Malengo (U.S. Forest Service), Mr. Matt Ingamells (Padre Associates Inc.), Mr. Chris Dunn (Padre Associates Inc.), Mr. Brian Dugas (Padre Associates Inc.), and Mr. Sam Sweet (University of California at Santa Barbara).

- **Nipomo Community Services District Waterline Intertie Project (1/2007).** Mr. Gilliland assisted the Nipomo Community Services District with protocol level California red-legged frog surveys in Nipomo Creek and proximate agricultural ponds and storm water drainages in Santa Barbara and San Luis Obispo Counties, CA.

- **County of Santa Barbara Tajiguas Landfill detention basin cleanout California red-legged frog survey (6/2006).** Mr. Gilliland assisted the County of Santa Barbara with California red-legged frog surveys prior to the implementation of the Tajiguas Landfill basin cleanout. The northern and southern detention basins were surveyed for the presence of tadpoles prior to the conveyance of water to assist with the basin cleanout. Additionally, Mr. Gilliland was approved by the USFWS to handle and relocate California red-legged frogs encountered.
- **Venadito Canyon California red-legged frog surveys and monitoring, Santa Barbara, CA. (10/2006).** Mr. Gilliland assisted Exxon/Mobil with California red-legged frog surveys during emergency storm repair construction projects on Venadito Creek in Santa Barbara, CA. Additionally, Mr. Gilliland was approved by the USFWS to handle and relocate California red-legged frogs encountered.
- **Seneca Resources Hamp Bridge Replacement California red-legged frog survey, Ojai, CA. (5/2006).** Mr. Gilliland assisted Seneca Resources with California red-legged frog surveys during the replacement of Hamp Bridge on Sisar Creek.
- **Rancho Dos Rios California red-legged frog surveys, monitoring and relocation, Oak View, CA. (8/2005).** Mr. Gilliland assisted the owner of Rancho Dos Rios with California red-legged frog surveys and monitoring during a bridge fortification project on San Antonio Creek in Oak View, CA. In addition, Mr. Gilliland was directly involved in the relocation of a number of juvenile California red-legged frogs to areas of USFWS identified suitable habitat outside of the project impact area. These relocation efforts adhered to USFWS protocol and Declining Amphibian Populations Task Force (DAPTF) code and were performed under the direct supervision of Mr. Chris Dunn (Padre Staff Biologist).
- **Las Flores Canyon California red-legged frog surveys and monitoring, Santa Barbara, CA. (5/2005).** Mr. Gilliland assisted Exxon/Mobil with California red-legged frog surveys during emergency storm repair construction projects on Las Flores Creek in Santa Barbara, CA. In addition, Mr. Gilliland was directly involved in the relocation of numerous juvenile California red-legged frogs to areas of USFWS identified suitable habitat outside of the project impact area. These relocation efforts adhered to USFWS protocol and DAPTF code and were performed under the direct supervision of Mr. Chris Dunn (Padre Staff Biologist).
- **Cachuma Operations and Maintenance Board California red-legged frog surveys, Santa Barbara, CA. (6/2005).** Mr. Gilliland assisted the Cachuma Operations and Maintenance Board with protocol level California red-legged frog surveys in a tributary of Glen Annie Reservoir in Santa Barbara, CA.
- **Upper Santa Ynez Creek California red-legged frog and arroyo toad monitoring and surveys, Santa Barbara, CA. (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and surveys (day and night) at Santa Ynez Creek on the Los Padres National Forest, Santa Barbara, CA.
- **Mono Creek California red-legged frog and arroyo toad monitoring and surveys, Santa Barbara, CA. (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and

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- surveys (day and night) at Mono Creek on the Los Padres National Forest, Santa Barbara, CA.
- **Indian Creek California red-legged frog and arroyo toad monitoring and surveys, Santa Barbara, CA. (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and surveys (day and night) at Indian Creek on the Los Padres National Forest, Santa Barbara, CA.
 - **Piru Creek California red-legged frog and arroyo toad monitoring and surveys, Piru, CA (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and surveys (day and night) at Piru Creek on the Los Padres National Forest Piru, CA.
 - **Canton Canyon California red-legged frog and arroyo toad monitoring and surveys, Piru, CA (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and surveys (day and night) in Canton Canyon on the Los Padres National Forest Piru, CA.
 - **Agua Blanca California red-legged frog and arroyo toad monitoring and surveys, Piru, CA (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and surveys (day and night) at Piru Creek on the Los Padres National Forest Piru, CA.
 - **Sespe Creek California red-legged frog and arroyo toad monitoring and surveys, Ojai, CA (12/2002-5/2003).** Mr. Gilliland assisted the U.S. Forest service with California red-legged frog and arroyo toad monitoring and surveys (day and night) at Sespe Creek on the Los Padres National Forest Ojai, CA.

Applicable Herpetological Experience: The following represents a chronological list of project experience relevant to the study of herpetology that Ken Gilliland has been involved with. It should be noted that all project experience described below has been conducted under the guidance and/or direct supervision of senior level biologists, including Mrs. Jamie Uyehara (U.S. Forest Service), Mr. Tom Murphey (U.S. Forest Service), Mr. David Freed (U.S. Forest Service), Mr. Sam Sweet (University of California at Santa Barbara), Mr. Howard Snell (University of New Mexico/Charles Darwin Research Station; Galapagos Islands, Ecuador), Mrs. Heidi Snell (Charles Darwin Research Station; Galapagos Islands, Ecuador) Mr. Thomas Fritts (United States Geological Survey), Mr. Cruz Marquez (Charles Darwin Research Station; Galapagos Islands, Ecuador), and the Desert Tortoise Council.

- **Desert Tortoise Council Handling Techniques Workshop Ridgecrest, CA. (11/6/2004).** Mr. Gilliland attended the desert tortoise council's desert tortoise handling technique workshop. The workshop provided an overview of desert tortoise ecology, threats associated with their decline, regulatory mechanisms in place for them (California Department of Fish and Game [CDFG], Bureau of Land Management [BLM], and USFWS), artificial burrow construction, nest relocation, handling techniques, health assessments, and biological monitoring protocol.
- **Herpetofauna of the Southern California Region (12/2002-5/2003).** Mr. Gilliland has been formally trained on the identification and ecology of the herpetofauna of the Southern California region by senior level biologists. The senior level biologists that provided this specific training included Mrs. Jamie Uyehara (U.S. Forest

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Service), Mr. Tom Murphey (U.S. Forest Service), Mr. David Freed (U.S. Forest Service), Vallerie Hubbard (U.S. Forest Service) and Mr. Sam Sweet (University of California at Santa Barbara).

- **Galapagos giant tortoise (*Geochelone elephantopus*) monitoring, and surveys, Galapagos Islands, Ecuador (5/2000-12/2000).** Mr. Gilliland assisted the Charles Darwin Research Station with Galapagos giant tortoise handling, radio tracking, passive integrated transponder (PIT) tagging, ultrasounding, monitoring, and surveys on the islands of Santa Cruz, Isabela, and Espanola in the Galapagos Archipelago, Ecuador.
- **Galapagos land iguana (*Conolophus subcristatus*) monitoring, and surveys, Galapagos Islands, Ecuador (5/2000-12/2000).** Mr. Gilliland assisted the Charles Darwin Research Station with Galapagos land iguana handling, radio tracking, passive integrated transponder (PIT) tagging, monitoring, and surveys on the islands of Santa Cruz, Isabela, and Plazas Sur in the Galapagos Archipelago, Ecuador.
- **Research study on the monitoring of lava lizards (*Microlophus albermarlensis*) at the Charles Darwin Research Station and the Galapagos National Park Headquarters Galapagos Islands, Ecuador (5/2000-12/2000).** Mr. Gilliland investigated the spatial and temporal relative abundance of lava lizards with visual-encounter-surveys in the developed and natural areas of the island of Santa Cruz, in the Galapagos Archipelago, Ecuador.

Applicable Professional Society Memberships:

- Society for the Study of Reptiles and Amphibians (SSAR)

California Red-legged Frog Professional References

Mr. Gilliland's California red-legged frog experience was conducted under the direct supervision of the following biologists:

Dr. Jamie Uyehara
6755 Hollister Ave., Suite 150
Goleta, Ca. 93117
(805) 961-5736
juyehara@fs.fed.us

Mr. Matt Ingamells
1861 Knoll Dr.
Ventura, Ca. 93003
(805) 644-2220 ext. 59
m.ingamells@padreinc.com

Mr. Chris Dunn
1861 Knoll Dr.
Ventura, Ca. 93003
(805) 644-2220 ext. 59
c.dunn@padreinc.com

Mrs. Katherine Malengo
406 S. Mildred
King City, CA 93930
(831) 385-5434 ext.219
kmalengo@fs.fed.us

Brian G. Dugas

Project Manager/Staff Biologist

Experience Summary: Brian Dugas has 10 years of experience in environmental and land use planning with focus on the assessment of biological resources. During this period Mr. Dugas has conducted habitat assessments, biological constraints analyses, special-status plant and wildlife species surveys, revegetation/restoration plans, wetland delineations, rapid-bioassessments, wetlands mitigation, biological monitoring, and CEQA/NEPA document preparation for a variety of projects. Project experience has included close coordination with all responsible agencies. In addition, Mr. Dugas has performed numerous site-specific surveys for the California red-legged frog (*Rana aurora draytonii*) and has acquired the ability to identify them as they occur in their natural habitats.

Education: B.S. Natural Resources Management, California Polytechnic State University, San Luis Obispo (Cal Poly), 1993.

Continued education towards M.S. at Cal Poly, Specialization: General Agriculture, Study Emphasis: Fisheries & Wildlife Management; includes the following coursework (2001-2003):

- **Zoology 329 – Vertebrate Field Zoology (Spring 2001):** Course emphasized the identification and life history of terrestrial vertebrate species, including the California red-legged frog. Instructor: Dr. Roger Gambs
- **Biology 427 – Wildlife Management (Fall 2001):** Course emphasized the important habitats and features critical to wildlife with emphasis on planning and designing habitats to meet the needs of wildlife, including riparian and wetland ecosystems. Instructor: Dr. Michael T. Hanson
- **Zoology 530 – Behavioral Ecology (Winter 2002):** Course emphasized habitat selection, spacing mechanisms, reproductive strategies, feeding strategies, agonistic, parasitic, and altruistic behavior; migration and comparative social systems of vertebrate species. Instructors: Dr. Dennis Frey and Dr. Roger Gambs

California Red-Legged Frog Workshop (April 8-10, 2002): Attended a California Red-Legged Frog Workshop presented by the Sacramento – Shasta Chapter of the Wildlife Society along with the Calif. Dept. of Water Resources, Calif. Dept. of Fish & Game, and Wildlands, Inc. The workshop provided an overview of the status and ecology of the Calif. red-legged frog, their habitat requirements, movements and life cycles, frog identification (field techniques and equipment); USFWS survey protocols and guidance, pit tagging and radio telemetry techniques (hands-on), Federal Endangered Species Act and consultations, and USFWS critical habitat and recovery plan implementation. In addition, the workshop contained a field component, which allowed participants to perform protocol-level day and nighttime surveys for Calif. red-legged frogs with a panel of selected experts at several sites located at Pt. Reyes, CA. Specifically, the hands-on field surveys focused on identification of egg masses,

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larvae, subadult and adult stages of the frog, with emphasis on utilization of proper survey and frog handling techniques. Sponsor information: Sacramento-Shasta Chapter of the Wildlife Society, Ms. Melinda Dorin (Phone: 916-654-4024).

Specific Project Experience: The following represents a chronological list of project experience relevant to the California red-legged frog. It should be noted that all project experience described below has been conducted under the guidance and/or direct supervision of senior level biologists, including Mr. Matt Ingamells and Mr. Rick Meredith of Padre Associates, Inc. (Padre):

- **Nipomo Community Services District (NCS D) Waterline Inertie Project, Nipomo, CA (2006-2007).** Mr. Dugas recently led a focused, protocol-level Calif. red-legged frog survey of the proposed pipeline corridor which included several drainages located in northern Santa Maria, the Santa Maria River, Nipomo Creek, and a series of wetlands located along the Nipomo Mesa. Numerous adult and sub-adult Calif. red-legged frogs were identified during the survey.
- **ExxonMobil Las Flores Canyon Emergency Road Repair Project, Gaviota, CA (2005-2006):** As part of this project, Mr. Dugas led focused herpetological surveys of project area and identified Calif. red-legged frogs within Las Flores Canyon drainage and Venadito Creek. Worked with Corps and USFWS to develop appropriate avoidance and minimization measures for project. Additionally, Mr. Dugas conducted pre-activity surveys and performed appropriate worker orientations at the site. Contacts: Katie Drexhage, Biologist / USFWS: (805) 644-1766, Matthew Vandersande / U.S. Army Corps: (805) 585-2151.
- **Mahoney Road Storm Damage Repair Project, Santa Maria, California (2004).** As part of this project, Mr. Dugas conducted a worker orientation on the identification of Calif. red-legged frogs, performed protocol-level nighttime surveys of adjacent wetland areas and drainages, and captured and relocated numerous adult Calif. red-legged frogs to nearby suitable habitat areas. Contact: Katie Drexhage, Biologist / USFWS: (805) 644-1766.
- **Old Coast Highway Bridge Replacement Project, Santa Barbara County, California (May 2004).** Mr. Dugas conducted a worker orientation on the identification of Calif. red-legged frogs, performed protocol-level nighttime surveys of affected portions of Nojoqui Creek, and captured and relocated adult, juvenile, and larvae form Calif. red-legged frogs to suitable habitat areas during the course of the project. Contact: Katie Drexhage, Biologist / USFWS: (805) 644-1766.
- **River Road Bridge Replacement Project, San Miguel (April 2004):** Mr. Dugas led a series of pre-construction special-status species surveys which included protocol-level Calif. red-legged frog surveys of the proposed project area within the Salinas River drainage. Additional task will include conducting a worker orientation on the identification of Calif. red-legged frogs, and performance of construction monitoring of vegetation removal within the drainage. Contact: Kate Ballantyne, Environmental Specialist / San Luis Obispo County Public Works Department: (805) 788-2765.

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- **Warmuth Residence Development Project - Parcel 52, Hollister Ranch (Nov. 2003 [Late survey period pre-approved by B. Fahey, USFWS]):** As part of this biological assessment, Mr. Dugas conducted focused, protocol-level Calif. red-legged frog surveys of Agujas Creek within the Hollister Ranch. One adult Calif. red-legged frog was identified during the surveys. Contact: Melissa Mooney, Biologist / Santa Barbara County: (805) 934-6587.
- **Noyes Road Culvert Installation Project, Arroyo Grande (August 2003):** Mr. Dugas performed protocol-level Calif. red-legged frog surveys of an unnamed drainage, conducted a worker orientation on the identification of Calif. red-legged frogs, and performed construction monitoring of vegetation removal within the drainage.
- **Tassajara Creek Bridge Installation Project, San Luis Obispo (July 2003):** As part of this project, Mr. Dugas performed protocol-level Calif. red-legged frog surveys of Tassajara Creek and periodic construction monitoring of the bridge installation project.
- **Santa Barbara County Flood Control District, West Canyon Drainage Improvement Project (June 2003):** Mr. Dugas conducted focused, protocol-level Calif. red-legged frog surveys of the West Main Street drainage in Santa Maria, CA. Numerous adult Calif. red-legged frogs were identified during the survey. Contact: Bridget Fahey, Biologist / USFWS: (805) 644-1766.
- **Chevron Pipe Line Company Estero Hill Plant Sag Line Removal Project (May 2003).** Mr. Dugas conducted wildlife surveys of project area with specific emphasis on the presence of California red-legged frogs and/or existing suitable habitat within an intersecting drainage. Several adult Calif. red-legged frogs were identified during the survey.
- **Santa Barbara County, Laguna County Sanitation District, Brine Concentrate Pipeline Project & Brine Concentrate Disposal Well Project, Orcutt (2002):** Mr. Dugas conducted a worker orientation on the identification of Calif. red-legged frogs, performed protocol-level nighttime surveys of adjacent creeks and waterways, and captured and relocated Calif. red-legged frogs to suitable habitat areas during the course of the project. Contact: Bridget Fahey, Biologist / USFWS: (805) 644-1766.
- **Unocal Cojo Marine Terminal and Point Conception Facilities Decommissioning Project (2001-2003).** As part of this biological assessment, Mr. Dugas conducted focused herpetological surveys of project area and identified Calif. red-legged frogs within Wood Canyon drainage, directly east of Government Point, CA. Worked with Corps and USFWS to develop appropriate avoidance and minimization measures for project. Contacts: Katie Drexhage, Biologist / USFWS: (805) 644-1766, Jack Malone / U.S. Army Corps: (805) 585-2154.
- **Ventura County Transportation Commission, Casitas Bypass Project (October, 2001).** Conducted focused red-legged frog surveys of segments of the Ventura River and San Antonio Creek located in Ventura County, CA. The surveys collectively covered an area in

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excess of two miles along the two stream reaches and their convergence zone. One adult Calif. red-legged frog was identified during the surveys.

- **Natural Environment Studies (NES), Jalama Road Bridge (51C-017), Santa Barbara County Public Works Department (August, 2001).** Conducted focused red-legged frog surveys of Jalama Creek at the Jalama Road Bridge crossing, located in Santa Barbara County, CA. Surveys focused on the segment of Jalama Creek located 500 feet upstream and downstream of the bridge crossing. One sub adult Calif. red-legged frog was identified during the surveys.
- **Williams Residence Biological Resources Assessment (June, 2001).** As part of this biological assessment, Mr. Dugas conducted amphibian and reptile surveys of a segment of Alamo Pintado Creek located in Buellton, CA, with specific emphasis on the presence of California red-legged frogs and/or existing suitable habitat.
- **Shell Molino Nearshore Flowline Removal Project (Spring/Summer, 2001).** Assisted on-site biologists during pre-activity surveys for California red-legged frogs within the equipment staging areas at the creek mouth of Arroyo Hondo Creek, Gaviota, CA. In addition, prepared a Site Restoration Plan for the project, which emphasized reestablishment of habitat for California red-legged frogs and other sensitive wildlife species within the project area. Contacts: Dan Dugan, Fisheries Biologist / Tenera: (805) 772-4080, John Storrer / Santa Barbara County EQAP Monitor: (805) 682-2065.
- **City of Thousand Oaks/Unit W - Phase 2 Sewer Interceptor Reconstruction Project (May, 2000).** Assisted Padre biologists during focused pre-construction surveys for California red-legged frogs along a 2-mile segment of Arroyo Conejo Creek located within the City of Thousand Oaks, CA.
- **Unocal Guadalupe A2A Emergency Excavation Project, Guadalupe, CA (1998).** Mr. Dugas participated in the monitoring (day/night) of the access routes and excavation areas throughout the project. During this period, Mr. Dugas conducted surveys with SAIC biologists and observed as well as participated in numerous California red-legged frog relocations. Using established handling protocols, all frogs observed were captured and relocated to a predetermined suitable habitat located outside the construction zone. Mr. Dugas also accompanied SAIC biologists, USFWS, and CDFG during several nighttime California red-legged frog surveys of the wetland habitats within the project area. Contact: Steve Henry, Biologist / USFWS: (805) 644-1766.
- **Rocky Canyon Quarry EIR, San Luis Obispo, CA (Sept. 1997).** Assisted Morro Group, Inc. wildlife biologist during several focused California red-legged frog surveys of Rocky Canyon Creek, Atascadero, CA. Conducted during previous employment with Morro Group, Inc., San Luis Obispo, CA.



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, California 93003

IN REPLY REFER TO:
PAS 3345.5075.7171

July 11, 2007

Jessica Peak, Biologist
Padre Associates, Inc.
811 El Capitan Way, Suite 130
San Luis Obispo, California 93401

Subject: Species List for the Installation of a Produced Water Reclamation Facility within the existing Plains Exploration and Production Oil Field, San Luis Obispo County, California.

Dear Ms. Peak:

We are responding to your request, dated April 10, 2007, and received in our office on April 12, 2007, for information on listed threatened or endangered species that may occur in the vicinity of the Pismo Beach and Arroyo Grande NE USGS quadrangles, San Luis Obispo County, California. We received additional information regarding the project during a telephone call on May 14, 2007. You requested the species list to help you prepare an Environmental Impact Report (EIR) to analyze the potential impacts associated with the installation of a produced water reclamation facility within the existing Plains Exploration and Production Oil Field, located on Price Canyon Road in San Luis Obispo County. We have enclosed a list of federally listed species that may occur in the vicinity of Pismo Beach and Arroyo Grande NE USGS quadrangles.

The U.S. Fish and Wildlife Service's (Service) responsibilities include administering the Endangered Species Act of 1973, as amended (Act), including sections 7, 9, and 10. Section 9 of the Act prohibits the taking of any federally listed endangered or threatened species. Section 3(18) of the Act defines take to mean to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct. Service regulations (50 CFR 17.3) define harm to include significant habitat modification or degradation which actually kills or injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding or sheltering. Harassment is defined by the Service as an intentional or negligent action that creates the likelihood of injury to wildlife by annoying it to such an extent as to significantly disrupt normal behavioral patterns which include, but are not limited to, breeding, feeding, or sheltering. The Act provides for civil and criminal penalties for the unlawful taking of listed species.

Exemptions to the prohibitions against take may be obtained through coordination with the Service through interagency consultation for projects with Federal involvement pursuant to section 7 or through the issuance of an incidental take permit under section 10(a)(1)(B) of the

Act. If the subject project is to be funded, authorized, or carried out by a Federal agency and may affect a listed species, the Federal agency must consult with the Service, pursuant to section 7(a)(2) of the Act. If a proposed project does not involve a Federal agency but may result in the take of a listed animal species, the project proponent should apply for an incidental take permit, pursuant to section 10(a)(1)(B) of the Act. Once you have determined if the proposed project will have a lead Federal agency, we can provide you with more detailed information regarding the section 7 or 10(a)(1)(B) permitting process.

Proposed and candidate species should be considered in the planning process because they may become listed or proposed for listing prior to project completion. Proposed and candidate species are those species presently under review by the Service for consideration for Federal listing and are included for the sole purpose of notifying proponents in advance of possible proposals and listings, which at some time in the future may have to be considered in planning activities. If early evaluation of the project indicates that it is likely to adversely affect a proposed or candidate species, you may wish to request technical assistance from this office.

Candidate species are those species presently under review by the Service for consideration for Federal listing. Candidate species should be considered in the planning process because they may become listed or proposed for listing prior to project completion. Preparation of a biological assessment, as described in section 7(c) of the Act, is not required for candidate species. If early evaluation of your project indicates that it is likely to affect a candidate species, you may wish to request technical assistance from this office.

Only listed species receive protection under the Act. However, sensitive species should be considered in the planning process in the event they become listed or proposed for listing prior to project completion. We recommend that you review information in the California Department of Fish and Game's (CDFG) Natural Diversity Data Base. You can contact the CDFG at (916) 324-3812 for information on other sensitive species that may occur in this area.

If you have any questions concerning this letter or the enclosed list, please contact Mark A. Elvin of my staff at (805) 644-1766, extension 258.

Sincerely,



Chris Dellith
Senior Biologist
South Coast Division

Enclosures

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