

## AGREEMENT FOR SERVICES OF INDEPENDENT CONTRACTOR

**THIS AGREEMENT** (hereafter Agreement) is made by and between the County of Santa Barbara, a political subdivision of the State of California (hereafter COUNTY) and Dudek with an address at 621 Chapala Street, Santa Barbara, CA 93101 (hereafter CONTRACTOR) wherein CONTRACTOR agrees to provide and COUNTY agrees to accept the services specified herein.

**WHEREAS**, CONTRACTOR represents that it is specially trained, skilled, experienced, and competent to perform the special services required by COUNTY and COUNTY desires to retain the services of CONTRACTOR pursuant to the terms, covenants, and conditions herein set forth;

**NOW, THEREFORE**, in consideration of the mutual covenants and conditions contained herein, the parties agree as follows:

### 1. DESIGNATED REPRESENTATIVE

Jeffrey Wilson at phone number (805) 568-2000 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. John Davis IV at phone number (805) 963-0651 is the authorized representative for CONTRACTOR. Changes in designated representatives shall be made only after advance written notice to the other party.

### 2. NOTICES

Any notice or consent required or permitted to be given under this Agreement shall be given to the respective parties in writing, by personal delivery or facsimile, or with postage prepaid by first class mail, registered or certified mail, or express courier service, as follows:

To COUNTY: Jeffrey Wilson, Planning and Development, 123 E. Anapamu St., Santa Barbara, CA 93101, FAX (805) 568-2030.

To CONTRACTOR: John Davis IV, Dudek, 621 Chapala Street, Santa Barbara, CA 93101

or at such other address or to such other person that the parties may from time to time designate in accordance with this Notices section. If sent by first class mail, notices and consents under this section shall be deemed to be received five (5) days following their deposit in the U.S. mail. This Notices section shall not be construed as meaning that either party agrees to service of process except as required by applicable law.

### 3. SCOPE OF SERVICES

CONTRACTOR agrees to provide services to COUNTY in accordance with EXHIBIT A attached hereto and incorporated herein by reference.

### 4. TERM

CONTRACTOR shall commence performance on July 19, 2016, on an as needed basis, and end performance no later than June 30, 2017, unless otherwise directed by COUNTY or unless earlier terminated.

### 5. COMPENSATION OF CONTRACTOR

In full consideration for CONTRACTOR's services, CONTRACTOR shall be paid for performance under this Agreement in accordance with the terms of EXHIBIT B attached hereto and incorporated herein by reference. Billing shall be made by invoice, which shall include the contract number assigned by COUNTY and which is delivered to the



address given in Section 2 NOTICES above following completion of the increments identified on EXHIBIT B. Unless otherwise specified on EXHIBIT B, payment shall be net thirty (30) days from presentation of invoice.

**6. INDEPENDENT CONTRACTOR**

It is mutually understood and agreed that CONTRACTOR (including any and all of its officers, agents, and employees), shall perform all of its services under this Agreement as an independent contractor as to COUNTY and not as an officer, agent, servant, employee, joint venturer, partner, or associate of COUNTY. Furthermore, COUNTY shall have no right to control, supervise, or direct the manner or method by which CONTRACTOR shall perform its work and function. However, COUNTY shall retain the right to administer this Agreement so as to verify that CONTRACTOR is performing its obligations in accordance with the terms and conditions hereof. CONTRACTOR understands and acknowledges that it shall not be entitled to any of the benefits of a COUNTY employee, including but not limited to vacation, sick leave, administrative leave, health insurance, disability insurance, retirement, unemployment insurance, workers' compensation and protection of tenure. CONTRACTOR shall be solely liable and responsible for providing to, or on behalf of, its employees all legally-required employee benefits. In addition, CONTRACTOR shall be solely responsible and save COUNTY harmless from all matters relating to payment of CONTRACTOR's employees, including compliance with Social Security withholding and all other regulations governing such matters. It is acknowledged that during the term of this Agreement, CONTRACTOR may be providing services to others unrelated to the COUNTY or to this Agreement.

**7. STANDARD OF PERFORMANCE**

CONTRACTOR represents that it has the skills, expertise, and licenses/permits necessary to perform the services required under this Agreement. Accordingly, CONTRACTOR shall perform all such services in the manner and according to the standards observed by a competent practitioner of the same profession in which CONTRACTOR is engaged. All products of whatsoever nature, which CONTRACTOR delivers to COUNTY pursuant to this Agreement, shall be prepared in a first class and workmanlike manner and shall conform to the standards of quality normally observed by a person practicing in CONTRACTOR's profession. CONTRACTOR shall correct or revise any errors or omissions, at COUNTY'S request without additional compensation. Permits and/or licenses shall be obtained and maintained by CONTRACTOR without additional compensation.

**8. DEBARMENT AND SUSPENSION**

CONTRACTOR certifies to COUNTY that it and its employees and principals are not debarred, suspended, or otherwise excluded from or ineligible for, participation in federal, state, or county government contracts. CONTRACTOR certifies that it shall not contract with a subcontractor that is so debarred or suspended.

**9. TAXES**

CONTRACTOR shall pay all taxes, levies, duties, and assessments of every nature due in connection with any work under this Agreement and shall make any and all payroll deductions required by law. COUNTY shall not be responsible for paying any taxes on CONTRACTOR's behalf, and should COUNTY be required to do so by state, federal, or local taxing agencies, CONTRACTOR agrees to promptly reimburse COUNTY for the full value of such paid taxes plus interest and penalty, if any. These taxes shall include, but not be limited to, the following: FICA (Social Security), unemployment insurance contributions, income tax, disability insurance, and workers' compensation insurance.

**10. CONFLICT OF INTEREST**

CONTRACTOR covenants that CONTRACTOR presently has no employment or interest and shall not acquire any employment or interest, direct or indirect, including any interest in any business, property, or source of income, which would conflict in any manner or degree with the performance of services required to be performed under this Agreement. CONTRACTOR further covenants that in the performance of this Agreement, no person having any such



interest shall be employed by CONTRACTOR. CONTRACTOR must promptly disclose to COUNTY, in writing, any potential conflict of interest. COUNTY retains the right to waive a conflict of interest disclosed by CONTRACTOR if COUNTY determines it to be immaterial, and such waiver is only effective if provided by COUNTY to CONTRACTOR in writing.

#### **11. OWNERSHIP OF DOCUMENTS AND INTELLECTUAL PROPERTY**

COUNTY shall be the owner of the following items incidental to this Agreement upon production, whether or not completed: all data collected, all documents of any type whatsoever, all photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials, and any material necessary for the practical use of such items, from the time of collection and/or production whether or not performance under this Agreement is completed or terminated prior to completion. CONTRACTOR shall not release any of such items to other parties except after prior written approval of COUNTY.

Unless otherwise specified in Exhibit A, CONTRACTOR hereby assigns to COUNTY all copyright, patent, and other intellectual property and proprietary rights to all data, documents, reports, photos, designs, sound or audiovisual recordings, software code, inventions, technologies, and other materials prepared or provided by CONTRACTOR pursuant to this Agreement (collectively referred to as "Copyrightable Works and Inventions"). COUNTY shall have the unrestricted authority to copy, adapt, perform, display, publish, disclose, distribute, create derivative works from, and otherwise use in whole or in part, any Copyrightable Works and Inventions. CONTRACTOR agrees to take such actions and execute and deliver such documents as may be needed to validate, protect and confirm the rights and assignments provided hereunder. CONTRACTOR warrants that any Copyrightable Works and Inventions and other items provided under this Agreement will not infringe upon any intellectual property or proprietary rights of any third party. CONTRACTOR at its own expense shall defend, indemnify, and hold harmless COUNTY against any claim that any Copyrightable Works or Inventions or other items provided by CONTRACTOR hereunder infringe upon intellectual or other proprietary rights of a third party, and CONTRACTOR shall pay any damages, costs, settlement amounts, and fees (including attorneys' fees) that may be incurred by COUNTY in connection with any such claims. This Ownership of Documents and Intellectual Property provision shall survive expiration or termination of this Agreement.

#### **12. NO PUBLICITY OR ENDORSEMENT**

CONTRACTOR shall not use COUNTY's name or logo or any variation of such name or logo in any publicity, advertising or promotional materials. CONTRACTOR shall not use COUNTY's name or logo in any manner that would give the appearance that the COUNTY is endorsing CONTRACTOR. CONTRACTOR shall not in any way contract on behalf of or in the name of COUNTY. CONTRACTOR shall not release any informational pamphlets, notices, press releases, research reports, or similar public notices concerning the COUNTY or its projects, without obtaining the prior written approval of COUNTY.

#### **13. COUNTY PROPERTY AND INFORMATION**

All of COUNTY's property, documents, and information provided for CONTRACTOR's use in connection with the services shall remain COUNTY's property, and CONTRACTOR shall return any such items whenever requested by COUNTY and whenever required according to the Termination section of this Agreement. CONTRACTOR may use such items only in connection with providing the services. CONTRACTOR shall not disseminate any COUNTY property, documents, or information without COUNTY's prior written consent.

#### **14. RECORDS, AUDIT, AND REVIEW**

CONTRACTOR shall keep such business records pursuant to this Agreement as would be kept by a reasonably prudent practitioner of CONTRACTOR's profession and shall maintain such records for at least four (4) years following the termination of this Agreement. All accounting records shall be kept in accordance with generally



accepted accounting principles. COUNTY shall have the right to audit and review all such documents and records at any time during CONTRACTOR's regular business hours or upon reasonable notice. In addition, if this Agreement exceeds ten thousand dollars (\$10,000.00), CONTRACTOR shall be subject to the examination and audit of the California State Auditor, at the request of the COUNTY or as part of any audit of the COUNTY, for a period of three (3) years after final payment under the Agreement (Cal. Govt. Code Section 8546.7). CONTRACTOR shall participate in any audits and reviews, whether by COUNTY or the State, at no charge to COUNTY.

If federal, state or COUNTY audit exceptions are made relating to this Agreement, CONTRACTOR shall reimburse all costs incurred by federal, state, and/or COUNTY governments associated with defending against the audit exceptions or performing any audits or follow-up audits, including but not limited to: audit fees, court costs, attorneys' fees based upon a reasonable hourly amount for attorneys in the community, travel costs, penalty assessments and all other costs of whatever nature. Immediately upon notification from COUNTY, CONTRACTOR shall reimburse the amount of the audit exceptions and any other related costs directly to COUNTY as specified by COUNTY in the notification.

#### **15. INDEMNIFICATION AND INSURANCE**

CONTRACTOR agrees to the indemnification and insurance provisions as set forth in EXHIBIT C attached hereto and incorporated herein by reference.

#### **16. NONDISCRIMINATION**

COUNTY hereby notifies CONTRACTOR that COUNTY's Unlawful Discrimination Ordinance (Article XIII of Chapter 2 of the Santa Barbara County Code) applies to this Agreement and is incorporated herein by this reference with the same force and effect as if the ordinance were specifically set out herein and CONTRACTOR agrees to comply with said ordinance.

#### **17. NONEXCLUSIVE AGREEMENT**

CONTRACTOR understands that this is not an exclusive Agreement and that COUNTY shall have the right to negotiate with and enter into contracts with others providing the same or similar services as those provided by CONTRACTOR as the COUNTY desires.

#### **18. NON-ASSIGNMENT**

CONTRACTOR shall not assign, transfer or subcontract this Agreement or any of its rights or obligations under this Agreement without the prior written consent of COUNTY and any attempt to so assign, subcontract or transfer without such consent shall be void and without legal effect and shall constitute grounds for termination.

#### **19. TERMINATION**

A. **By COUNTY.** COUNTY may, by written notice to CONTRACTOR, terminate this Agreement in whole or in part at any time, whether for COUNTY's convenience, for nonappropriation of funds, or because of the failure of CONTRACTOR to fulfill the obligations herein.

1. **For Convenience.** COUNTY may terminate this Agreement in whole or in part upon thirty (30) days written notice. During the thirty (30) day period, CONTRACTOR shall, as directed by COUNTY, wind down and cease its services as quickly and efficiently as reasonably possible, without performing unnecessary services or activities and by minimizing negative effects on COUNTY from such winding down and cessation of services.

2. **For Nonappropriation of Funds.** Notwithstanding any other provision of this Agreement, in the event that no funds or insufficient funds are appropriated or budgeted by federal, state or COUNTY



governments, or funds are not otherwise available for payments in the fiscal year(s) covered by the term of this Agreement, then COUNTY will notify CONTRACTOR of such occurrence and COUNTY may terminate or suspend this Agreement in whole or in part, with or without a prior notice period. Subsequent to termination of this Agreement under this provision, COUNTY shall have no obligation to make payments with regard to the remainder of the term.

3. **For Cause.** Should CONTRACTOR default in the performance of this Agreement or materially breach any of its provisions, COUNTY may, at COUNTY's sole option, terminate or suspend this Agreement in whole or in part by written notice. Upon receipt of notice, CONTRACTOR shall immediately discontinue all services affected (unless the notice directs otherwise) and notify COUNTY as to the status of its performance. The date of termination shall be the date the notice is received by CONTRACTOR, unless the notice directs otherwise.
- B. **By CONTRACTOR.** Should COUNTY fail to pay CONTRACTOR all or any part of the payment set forth in EXHIBIT B, CONTRACTOR may, at CONTRACTOR's option terminate this Agreement if such failure is not remedied by COUNTY within thirty (30) days of written notice to COUNTY of such late payment.
- C. Upon termination, CONTRACTOR shall deliver to COUNTY all data, estimates, graphs, summaries, reports, and all other property, records, documents or papers as may have been accumulated or produced by CONTRACTOR in performing this Agreement, whether completed or in process, except such items as COUNTY may, by written permission, permit CONTRACTOR to retain. Notwithstanding any other payment provision of this Agreement, COUNTY shall pay CONTRACTOR for satisfactory services performed to the date of termination to include a prorated amount of compensation due hereunder less payments, if any, previously made. In no event shall CONTRACTOR be paid an amount in excess of the full price under this Agreement nor for profit on unperformed portions of service. CONTRACTOR shall furnish to COUNTY such financial information as in the judgment of COUNTY is necessary to determine the reasonable value of the services rendered by CONTRACTOR. In the event of a dispute as to the reasonable value of the services rendered by CONTRACTOR, the decision of COUNTY shall be final. The foregoing is cumulative and shall not affect any right or remedy which COUNTY may have in law or equity.

## 20. SECTION HEADINGS

The headings of the several sections, and any Table of Contents appended hereto, shall be solely for convenience of reference and shall not affect the meaning, construction or effect hereof.

## 21. SEVERABILITY

If any one or more of the provisions contained herein shall for any reason be held to be invalid, illegal or unenforceable in any respect, then such provision or provisions shall be deemed severable from the remaining provisions hereof, and such invalidity, illegality or unenforceability shall not affect any other provision hereof, and this Agreement shall be construed as if such invalid, illegal or unenforceable provision had never been contained herein.

## 22. REMEDIES NOT EXCLUSIVE

No remedy herein conferred upon or reserved to COUNTY is intended to be exclusive of any other remedy or remedies, and each and every such remedy, to the extent permitted by law, shall be cumulative and in addition to any other remedy given hereunder or now or hereafter existing at law or in equity or otherwise.



**23. TIME IS OF THE ESSENCE**

Time is of the essence in this Agreement and each covenant and term is a condition herein.

**24. NO WAIVER OF DEFAULT**

No delay or omission of COUNTY to exercise any right or power arising upon the occurrence of any event of default shall impair any such right or power or shall be construed to be a waiver of any such default or an acquiescence therein; and every power and remedy given by this Agreement to COUNTY shall be exercised from time to time and as often as may be deemed expedient in the sole discretion of COUNTY.

**25. ENTIRE AGREEMENT AND AMENDMENT**

In conjunction with the matters considered herein, this Agreement contains the entire understanding and agreement of the parties and there have been no promises, representations, agreements, warranties or undertakings by any of the parties, either oral or written, of any character or nature hereafter binding except as set forth herein. This Agreement may be altered, amended or modified only by an instrument in writing, executed by the parties to this Agreement and by no other means. Each party waives their future right to claim, contest or assert that this Agreement was modified, canceled, superseded, or changed by any oral agreements, course of conduct, waiver or estoppel.

**26. SUCCESSORS AND ASSIGNS**

All representations, covenants and warranties set forth in this Agreement, by or on behalf of, or for the benefit of any or all of the parties hereto, shall be binding upon and inure to the benefit of such party, its successors and assigns.

**27. COMPLIANCE WITH LAW**

CONTRACTOR shall, at its sole cost and expense, comply with all County, State and Federal ordinances and statutes now in force or which may hereafter be in force with regard to this Agreement. The judgment of any court of competent jurisdiction, or the admission of CONTRACTOR in any action or proceeding against CONTRACTOR, whether COUNTY is a party thereto or not, that CONTRACTOR has violated any such ordinance or statute, shall be conclusive of that fact as between CONTRACTOR and COUNTY.

**28. CALIFORNIA LAW AND JURISDICTION**

This Agreement shall be governed by the laws of the State of California. Any litigation regarding this Agreement or its contents shall be filed in the County of Santa Barbara, if in state court, or in the federal district court nearest to Santa Barbara County, if in federal court.

**29. EXECUTION OF COUNTERPARTS**

This Agreement may be executed in any number of counterparts and each of such counterparts shall for all purposes be deemed to be an original; and all such counterparts, or as many of them as the parties shall preserve undestroyed, shall together constitute one and the same instrument.

**30. AUTHORITY**

All signatories and parties to this Agreement warrant and represent that they have the power and authority to enter into this Agreement in the names, titles and capacities herein stated and on behalf of any entities, persons, or firms represented or purported to be represented by such entity(ies), person(s), or firm(s) and that all formal requirements necessary or required by any state and/or federal law in order to enter into this Agreement have been fully complied with. Furthermore, by entering into this Agreement, CONTRACTOR hereby warrants that it shall not



have breached the terms or conditions of any other contract or agreement to which CONTRACTOR is obligated, which breach would have a material effect hereon.

**31. SURVIVAL**

All provisions of this Agreement which by their nature are intended to survive the termination or expiration of this Agreement shall survive such termination or expiration.

**32. PRECEDENCE**

In the event of conflict between the provisions contained in the numbered sections of this Agreement and the provisions contained in the Exhibits, the provisions of the Exhibits shall prevail over those in the numbered sections.

**33. SUBCONTRACTORS**

CONTRACTOR is authorized to subcontract with subcontractors identified in Contractor's Proposal. CONTRACTOR shall be fully responsible for all services performed by its subcontractor. CONTRACTOR shall secure from its subcontractor all rights for COUNTY in this Agreement, including audit rights.

**34. HANDLING OF PROPRIETARY INFORMATION**

CONTRACTOR understands and agrees that certain materials which may be provided by COUNTY may be classified and conspicuously labeled as proprietary confidential information. That material is to be subject to the following special provisions:

- A. All reasonable steps will be taken to prevent disclosure of the material to any person except those personnel of CONTRACTOR working on the project who have a need to use the material.
- B. Upon conclusion of CONTRACTOR'S work, CONTRACTOR shall return all copies of the material direct to party providing such material. CONTRACTOR shall contact COUNTY to obtain the name of the specific party authorized to receive the material.

**35. IMMATERIAL CHANGES**

CONTRACTOR and COUNTY agree that immaterial changes to the Statement of Work (time frame and mutually agreeable Statement of Work changes which will not result in a change to the total contract amount) may be authorized by Planning and Development Director, or designee in writing, and will not constitute an amendment to the Agreement.

**36. NEWS RELEASES/INTERVIEWS**

CONTRACTOR agrees for itself, its agents, employees and subcontractors, it will not communicate with representatives of the communications media concerning the subject matter of this Agreement without prior written approval of the COUNTY Project Coordinator. CONTRACTOR further agrees that all media requests for communication will be referred to COUNTY'S responsible personnel.



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Agreement for Services of Independent Contractor between the County of Santa Barbara and John Davis IV, Dudek.

IN WITNESS WHEREOF, the parties have executed this Agreement to be effective on the date executed by COUNTY.

**ATTEST:**

Mona Miyasato  
County Executive Officer  
Clerk of the Board

**COUNTY OF SANTA BARBARA:**

By: \_\_\_\_\_  
Deputy Clerk

By: \_\_\_\_\_  
Chair, Board of Supervisors

Date: \_\_\_\_\_

**RECOMMENDED FOR APPROVAL:**

Planning and Development

**CONTRACTOR:**

John Davis IV, Dudek (PM)

By:   
Department Head

By:  JULY 5, 2016  
Authorized Representative

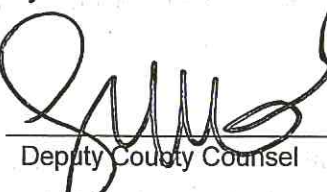
Name: Dudek  
Title: Frank Dudek  
President

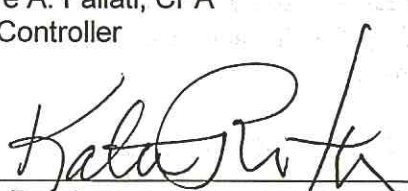
**APPROVED AS TO FORM:**

Michael C. Ghizzoni  
County Counsel

**APPROVED AS TO ACCOUNTING FORM:**

Theodore A. Fallati, CPA  
Auditor-Controller

By:   
Deputy County Counsel

By:   
Deputy

**APPROVED AS TO FORM:**

Risk Management

By:   
Risk Management

## EXHIBIT A

### STATEMENT OF WORK

CONTRACTOR agrees to provide COUNTY biological consulting services, including but not limited to, technical review of projects, CEQA analysis, and biological assessment.

CONTRACTOR shall work with COUNTY staff to determine work required for individual permit applications resulting in a Notice to Proceed.

CONTRACTOR agrees CONTRACTOR services will only commence at the issuance of a written Notice to Proceed issued by the Planning and Development Director, or the Director's designee.

On issuance of a Notice to Proceed, if applicable, CONTRACTOR shall:

1. Review documents submitted in support of applications for Land Use permits, including but not limited to, biological assessments, habitat restoration plans, and biological constraints analyses. Document review includes review of general content, accuracy, and adequacy; or
2. Assist with CEQA review and/or preparation including but not limited to, Environmental Impact Reports and Mitigated negative Declarations; or
3. Perform biological field survey and report preparation, including but not limited to, either botanical and/or wildlife surveys and wetland delineations; and
4. Other biological consulting services agreed to and documented in the Notice to Proceed.



DUDEK

BIOLOGICAL  
RESOURCES SERVICES  
SUPPORTING DEVELOPMENT  
APPLICATIONS REVIEW  
STATEMENT OF QUALIFICATIONS

PREPARED FOR  
Santa Barbara County  
Planning & Development Department

PREPARED BY  
Dudek  
621 Chapala Street  
Santa Barbara, California 93101  
805.963.0651  
[www.dudek.com](http://www.dudek.com)

June 21, 2016

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## APPENDICES

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- B Billing Rates



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**DUDEK**

621 CHAPALA STREET  
SANTA BARBARA, CALIFORNIA 93101  
T 805.963.0651 | F 805.963.2074

## Cover Letter

June 21, 2016

Anne Almy  
Supervising Planner  
County of Santa Barbara  
123 E. Anapamu Street  
Santa Barbara, California 93101

**Subject: As-Needed Biological Technical Services**

Dear Ms. Almy:

Dudek is pleased to submit this Statement of Qualifications (SOQ) to the County of Santa Barbara (County) for as-needed biological technical services. Our qualified biologists have extensive biological resource experience in the County and are extremely familiar with the development review process and the County's responsibilities to the project and public. We will provide the County with the following key strengths:

**Extensive As-Needed Experience.**

Dudek has provided as-needed environmental services to more than 50 California municipalities. Our experts recognize the importance of supporting the County's project needs, and working with staff in a professional, collaborative, and friendly manner. We are client focused and have several qualified biologists that can contribute to the review of development applications. We are experts in peer review of biological resources reports and analyses, field studies/reporting, and response to public comments, and we will represent the County I at hearings, meetings, and site visits.

**Deep Bench of Biologists.**

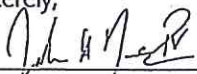
Our trained and permitted biologists address project survey requirements and help with project planning, design, permitting, and construction management phases. Dudek's senior biologists have direct experience in the County, know the local botanical and wildlife resources and perform focused surveys in the region. A team of associate biologists who have extensive local field experience will also provide support. All of our biologists for this contract in-house, saving the County time and money.

**Streamlined Public Agency Permitting.**

Through time and experience, Dudek's biologists and permitting specialists have achieved solid relationships with resource agency staff and a thorough knowledge of regulations. We have cultivated a reputation for superior and comprehensive jurisdictional delineations, permitting, biological studies, and mitigation planning and implementation. Our status in the field of technical studies and permit applications helps streamline the permitting process.

Dudek is looks forward continuing our working relationship with the County. If you have any questions regarding this SOQ or our billing rates, please contact our project manager John Davis IV at 805.308.8524 (office), 252.7996 (cell), or [jdavis@dudek.com](mailto:jdavis@dudek.com).

Sincerely,

  
\_\_\_\_\_  
John Davis IV, Project Manager



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# 1 Why Dudek?

We are a California-focused environmental firm with more than 300 planners, scientists, civil engineers, contractors, and support staff. We assist public clients on a broad range of projects that improve California's communities, infrastructure, and natural environment. From planning, design, and permitting through construction, we help move projects forward through the complexities of regulatory compliance, budgetary and schedule constraints, and conflicting stakeholder interests.

Our professionals find practical, cost-effective approaches to help you achieve your specific project goals. We work to build your trust, which allows us to offer constructive solutions with your project's long-term success in mind. Our team focuses on:

## Dudek Services

- Agency Permitting
- Biological Surveys and Monitoring
- CEQA/NEPA Compliance
- Coastal Planning/Permitting
- Cultural Resources
- Habitat Restoration and Management
- Urban Forestry
- Wildfire Protection Planning

**Natural Resource Management** We provide a science-based analysis for preserve design and species survey methodologies coupled with habitat planning, permitting, design and installation expertise.

**Infrastructure Development** We have in-depth experience managing projects where science, regulatory requirements, and community and stakeholder interests' converge. We guide clients through analysis, permitting, and implementing private development and public infrastructure projects.

**Regulatory Compliance** Our biologists have strong working relationships with the local staffs of California and federal regulatory agencies. Our knowledge of agency expectations, inter-agency agreements, and local regulations involving your project are vital for keeping projects moving forward and obtaining final approvals.

## Central Coast Biological Experience

Dudek has highly qualified senior and associate level biologists with direct experience in the County and the greater Central and Southern California region. These biologists bring a wealth of knowledge regarding local botanical and wildlife resources, have successfully performed focused surveys for several projects in the region, and have demonstrated the ability to develop and maintain good working relationships with regulatory agencies, applicants, and the public. Our biological technical reporting constantly meets the standards of local, State, and federal agencies. Our experienced team address project survey requirements and help with all aspects of project planning, design, permitting, and construction management phases.

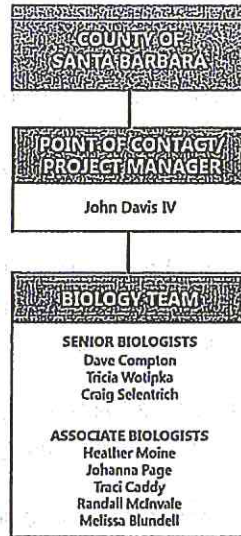
## Qualified Biologists

Dudek will provide the County with a team of biologists that implement tested and successful quality management procedures. Project manager John Davis IV, will serve as the County's point of contact and will be responsible for managing the as-needed contract and ensuring Dudek provides a high level of biological support to the County in processing development applications.



Figure 1 shows the Dudek team organization, resumes are located in Appendix A and billing rates are located in Appendix B.

FIGURE 1. DUDEK TEAM ORGANIZATION



## Senior Biologists

### Project Manager/ Point of Contact

#### John Davis IV

John Davis IV is a senior ecologist in the Santa Barbara office with 18 years' experience, specializing in biological assessments; special-status plant and wildlife species surveys; habitat restoration; and environmental regulations, permitting, and compliance. Mr. Davis IV's expertise is in identification and risk management of potential biological constraints for a diversity of land use projects, including energy, infrastructure, residential, commercial, and habitat restoration projects.

He has effectively assisted clients with project design and agency negotiations, produced defensible biological technical reports, and managed and coordinated the biological resources sections of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents and technical biological reports for the Endangered Species Act (ESA), California Coastal Act, and Clean Water Act (CWA) permitting. Additionally, Mr. Davis IV peer reviews technical reports and CEQA/NEPA documents, responds to agency comments, and addresses requests for technical information during in the environmental permitting process. He also represents clients in project meetings, on-site visits with agency personnel, and during public hearings.

#### EDUCATION

California Polytechnic State University, San Luis Obispo  
 MS, Biology, 2003  
 San Diego State University  
 BS, Ecology, 1998

#### CERTIFICATIONS

USFWS 10(a) Recovery Permit  
 No. TE-110095-2

- California Red-Legged Frog
- Listed Vernal Pool Branchiopods
- Morro Shoulderband Snail

CDFW Scientific Collecting Permit  
 SC-008527

- Focused Floristic Surveys
- Herpetological Surveys
- Small Mammal Trapping

ESA Certified Ecologist  
 SEATAC Qualified Biologist  
 PADI Open Water SCUBA

Mr. Davis IV has extensive experience surveying for a number of special-status invertebrate, reptile, amphibian, and mammal species. He is permitted by the U.S. Fish and Wildlife Service (USFWS) to conduct surveys for listed vernal pool branchiopods (fairy and tadpole shrimp) and the federally endangered Morro shoulderband snail (*Helminthoglypta walkeriana*). USFWS has also permitted him to perform habitat enhancement and construction-related activities for the Morro shoulderband snail and handle the federally threatened California red-legged frog (*Rana draytonii*). In addition, he is USFWS and California Department of Fish and Wildlife (CDFW)-qualified to survey for the San Joaquin kit fox (*Vulpes macrotis mutica*) and the desert tortoise (*Gopherus agassizii*) throughout their ranges. Other wildlife species surveyed include the blunt-nosed leopard lizard (*Gambelia sika*), California tiger salamander (*Ambystoma californiense*), arroyo toad (*Bufo californicus*), western spadefoot (*Spea hammondi*), southern western pond turtle (*Actinemys pallida*), south-central California coast steelhead (*Oncorhynchus mykiss*), tidewater goby (*Eucyclogobius newberryi*), Swainson's hawk (*Buteo swainsoni*), white-tailed kite (*Elanus leucurus*), and burrowing owl (*Athene cunicularia*). In addition, Mr. Davis IV also has conducted numerous focused floristic (rare plant) surveys, vegetation mapping, and wetland delineations in Southern and Central California.

Mr. Davis IV represents Dudek on several qualified biologist lists, including the Counties of San Luis Obispo, Santa Barbara, Ventura, and Los Angeles. He is also recognized as a qualified biologist by the Significant Ecological Area Technical Advisory Committee (SEATAC) of Los Angeles County and as a Certified Ecologist by the Ecological Society of America.

### Dave Compton

Dave Compton is a wildlife biologist with over 16 years' experience working in a variety central coast habitats. He provides natural resources planning through habitat assessments, constraints analyses, impact analyses, managing projects related to biological resources, agency coordination, permitting services, and designing and leading biological surveys. He has worked extensively on projects involving riparian systems and coastal marshes. He has extensive experience with the avian life of California, and has designed and conducted bird surveys in a variety of habitats in the state. Mr. Compton has led a variety of field efforts and contributed to various CEQA and California Coastal Act documents and reports. He holds a USFWS recovery permit and a CDFW scientific collecting permit.

#### EDUCATION

Marquette University  
MA, U.S. History, 1984

Christian Brothers College,  
BA, History, 1982

#### CERTIFICATIONS

Southwestern willow flycatcher USFWS  
10(a) Permit TE101148-2

Scientific Collecting Permit SC-7918

Flat-tailed horned lizard tracking surveys  
(certified by BLM/CDFW)

Mr. Compton has surveyed for various rare and listed wildlife species in southern and central California. He is authorized by USFWS and CDFW to conduct presence-absence surveys for the federally and state endangered southwestern willow flycatcher (*Empidonax traillii extimus*). He is a Level II blunt-nosed leopard lizard (*Gambelia sika*) surveyor, permitting him to lead a crew during surveys for the federally and state endangered and state fully protected species. He has conducted focused protocol surveys at various locations in the San Joaquin Valley and Antelope Valley for the state threatened Swainson's hawk (*Buteo swainsoni*), and in several locations in Santa Barbara, Ventura, Los Angeles, and Orange Counties for the least Bell's vireo (*Vireo bellii pusillus*). He has also led or participated in focused surveys for white-tailed kite (*Elanus leucurus*), golden eagle (*Aquila chrysaetos*), burrowing owl (*Athene cunicularia*), Belding's savannah sparrow (*Passerculus sandwichensis beldingi*), California red-legged frog (*Rana draytonii*), San Joaquin kit fox (*Vulpes macrotis mutica*), and American badger (*Taxidea taxus*).



### Tricia Wotipka

Tricia Wotipka is an environmental specialist and biologist with over 15 years' professional experience as an environmental planner and biologist specializing in wetland delineations, environmental permitting, data collection and biological resources impact analyses, biology-related CEQA/NEPA documents, and special-status species surveys. Ms. Wotipka has extensive experience with public and private clients providing permitting for a variety of projects, including flood control, water and wastewater utilities, transportation, and conservation planning projects. She has served in a variety of project management and lead analyst roles for a diverse client base of public agencies, including cities, counties, special districts, and joint powers authorities, as well as private entities such as land developers. Ms. Wotipka is experienced with Southern California flora and fauna, and is well versed on current environmental regulations. Combining her expertise in biological resources and regulatory permitting with in-depth understanding of how environmental regulations interrelate, Ms. Wotipka helps clients prepare a strategic approach to permitting and documentation for greater project advancement and cost-effectiveness.

#### EDUCATION

Pennsylvania State University  
BS, Wildlife and Fisheries Science, 2000

#### CERTIFICATIONS

USFWS Quino Checkerspot Butterfly 10(a)  
Permit No. TE840619-0 (Issued  
December 2008)

USFWS Gnatcatcher 10(a) Permit No.  
TE840619-1 (Issued  
December 2008)

CDFW Rare, Threatened, and Endangered  
Plant Voucher Collection Permit No. 2081  
(a)-08-04-V (Issued October 2008)

### Craig Seltenrich

Craig Seltenrich is a senior biologist with 36 years' experience in the field of aquatic sciences, including marine and freshwater ecology, fisheries biology, amphibian ecology, benthic macroinvertebrates (BMI) and freshwater algae, and aquatic toxicology. He has managed, designed, and conducted a wide variety of aquatic studies and assessments throughout central and northern California in marine and estuarine environments, and in freshwater lentic and lotic habitats. Mr. Seltenrich specializes in amphibian ecology and has designed and conducted numerous studies for evaluating potential impacts on special-status amphibians and aquatic reptiles, including foothill yellow-legged frog (*R. boylei*), California tiger salamander (*Ambystoma californiense*), California red-legged frog (*R. draytonii*), and southern western pond turtle (*Actinemys pallida*).

#### EDUCATION

Humboldt State University  
MS, Marine Ecology, 1979  
BS, Natural Resource Sciences, 1977

#### CERTIFICATIONS

American Institute of Fisheries Research  
Biologists – Certified Fisheries Scientist  
Scientific Collecting Permit, California No.  
SC-004002

USFWS Federal 10a Survey Permit No.  
TE-012973-7

California Tiger Salamander  
California Red-Legged Frog

Mr. Seltenrich has fisheries knowledge and experience with salmonids (including anadromous species), game species, exotic fish, estuarine species, and special-status species. He has extensive experience with various types of fisheries sampling gear and techniques, fish population studies and data analyses, fish impingement and entrainment studies, stream habitat mapping, evaluation and augmentation of salmonid spawning gravels, water quality, and other fisheries issues. In addition, he has substantial knowledge and experience with BMI community sampling and evaluation as well as freshwater algal sampling, data analysis and interpretation.



## Associate Biologists

### Heather Moine

Heather Moine is an environmental scientist/biologist with 9 years' experience performing special-status plant species surveys, general biological assessments, biological monitoring, habitat restoration, construction monitoring, jurisdictional wetlands and waters delineations, water quality sampling, nesting bird surveys, permit preparation and implementation, and CEQA/NEPA document preparation. In addition, Ms. Moine has experience preparing habitat restoration plans, USFWS biological assessments, biological resources technical reports, due diligence/biological constraints reports, initial study (IS) biological assessments specific to the County of Ventura, nesting bird letter reports, watershed plans, annual restoration monitoring reports, invasive species management reports, and focused special-status plant species reports. She has performed jurisdictional wetlands and waters delineations for the U.S. Army Corps of Engineers (ACOE), Regional Water Quality Control Board (RWQCB), CDFW, and California Coastal Commission (CCC) jurisdictions, and prepared associated jurisdictional determination reports. She holds a USFWS recovery permit and CDFW scientific collecting permit.

#### EDUCATION

University of California, Santa Barbara  
BS, Environmental Studies, 2005

#### PERMITS

Section 10(a)(1)(A) USFWS Recovery  
Permit No. TE-60147A-0 to Handle Listed  
Vernal Pool Branchiopod Species  
CDFW Voucher Collecting Permit No.  
2081(a)-12-08-V to Collect Voucher  
Specimens of State-Listed Plants

CDFW Scientific Collecting Permit No. SC-  
11327 to Collect Voucher Specimens of  
Listed Vernal Pool Branchiopods

#### CERTIFICATIONS

NAUI Open Water SCUBA

During projects conducted in southern and central California, Ms. Moine has conducted focused surveys for federal, State, and locally protected plant and wildlife species. Ms. Moine conducted floristic surveys for special-status plant species including San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*), slender mariposa lily (*Calochortus clavatus* var. *gracilis*), island mountain-mahogany (*Cercocarpus betuloides* var. *blanchetae*), Peirson's morning-glory (*Calystegia peirsonii*), thread-leaved brodiaea (*Brodiaea filifolia*), Gaviota tarplant (*Deinandra increscens* ssp. *villosa*), seadiff buckwheat (*Eriogonum parvifolium* [host plant for special-status El Segundo blue butterfly (*Euphilotes battoides allyni*)]), Lompoc yerba santa (*Eriodictyon capitatum*), Gambel's watercress (*Rorippa gambellii*), La Graciosa thistle (*Cirsium loncholepis*), and marsh sandwort (*Arenaria paludicola*). Ms. Moine has also conducted protocol surveys for burrowing owls (*Athene cunicularia*).

### Johanna Page

Johanna Page has over 10 years' professional experience as a biologist and project manager performing biological field assessments, vegetation mapping, special-status species surveys, nesting bird surveys, biological technical report and focused survey report preparation, and environmental permitting preparation and implementation. She is proficient at supervising large-scale biological studies, coordinating with resource agencies, and ensuring projects maintain compliance with biological resource laws, regulations, and permitting requirements.

#### EDUCATION

Humboldt State University  
BS, Biology, 2005  
Moorpark College  
AA, Liberal Arts, 2003

Ms. Page has a comprehensive scientific knowledge of California ecosystems and associated protected biological resources. She has expertise in relevant local, State, and federal laws and regulations, including the State and federal ESAs, Migratory Bird Treaty Act, Bald and Golden Eagle Protection Act, California Fish and Game Code, CEQA, NEPA, Lake and Streambed Alteration Agreements (SAAs), and CWA). She is adept at planning and executing habitat assessment, surveys, and is experienced in the design and implementation of environmental training programs for large construction projects.



### Traci Caddy

Traci Caddy is a wildlife biologist with over 11 years' professional research and fieldwork experience, specializing in special-status species surveys, general plant and wildlife surveys, biological monitoring, and preparation of biological technical reports.

Ms. Caddy has performed numerous and varied biological surveys in Santa Barbara, Ventura, and Los Angeles Counties, including focused surveys for special-status wildlife species and nesting birds. She has a permit to survey for the federally listed threatened California gnatcatcher (*Poliopitila californica*). She has a wide range of biological survey experience, including rare plant surveys, vegetation mapping, acoustical bat surveys, raptor and nesting bird surveys, mammal surveys (including San Joaquin kit fox (*Vulpes macrotis mutica*), ringtail (*Bassariscus astutus*), and badger), and amphibian surveys (including pond turtle, red-legged frog (*Rana draytonii*), arroyo toad (*Bufo Californicus*), and yellow-legged frog (*Rana muscosa*)).

#### EDUCATION

Humboldt State University  
BS, Wildlife Management and  
Conservation, 2005

#### CERTIFICATIONS

USFWS Recovery Permit No.  
TE 211097-0

### Randall McInvale

Randall McInvale is a biologist with 10 years' experience working on biological resource surveys and habitat restoration projects. He has been involved in a variety of restoration projects for wetlands creation and enhancement, upland habitat restoration, salt marsh wetlands, and sensitive plant and animal species. Mr.

McInvale has experience conducting biological resource surveys, environmental assessments, vegetation mapping, and sensitive plant and wildlife surveys throughout Northern and Southern California. He has knowledge of geospatial analysis, including global positioning systems and geographical information systems (GIS), technical report writing, and permit applications. He is currently working on a variety of biological resource, compliance monitoring, and habitat restoration projects in several capacities at Dudek.

#### EDUCATION

University of California, Davis  
BS, Environmental Biology and Management,  
2006

### Melissa Blundell

Melissa Blundell is a biologist with over 5 years' experience in surveying, banding, and monitoring endangered least Bell's vireos (*Vireo bellii pusillus*); biological data collection, compilation, statistical analysis, and management; general wildlife surveys; and conducting and managing vegetation surveys.

Ms. Blundell is highly qualified to conduct surveys and is permitted to perform nest monitoring of endangered least Bell's vireo. She has extensive experience working with the least Bell's vireos and is very familiar with vireo vocalizations and behavior. Ms. Blundell is also highly familiar with endangered southwestern willow flycatcher (*Empidonax traillii extimus*) behavior and identification. She is awaiting final USFWS approval for permits to conduct willow flycatcher surveys. Lastly, Ms. Blundell is pursuing a federal permit for Vernal Pool Branchiopods (fairy and tadpole shrimp).

#### EDUCATION

University of California, Davis  
MS, Animal Behavior, 2012  
Humboldt State University, Arcata  
BS, Wildlife Management, 2008  
Ventura Community College, Ventura  
AA, Liberal Arts, 2001

#### CERTIFICATIONS

DFW SCP (SC-10212, renewal in  
progress); MOU (approval in progress)  
USFWS section 10(a) (1) (A)  
(TE-97717A-0)

Ms. Blundell is also very familiar with a wide range of wildlife. Her additional field experiences include nest monitoring and banding of numerous bird species, Greater sage-grouse (*Centrocercus urophasianus*) recording and analysis of behavior, mammal burrow and den surveys, nesting bird surveys, identification of resident and migrant passerines via vocalizations, rare plant surveys, general wildlife surveys, and biological construction monitoring for a variety of sensitive species and biological resources.

Ms. Blundell has experience writing a variety of technical reports and documentations including CEQA documentation, resource management plans, technical reports, and research documents. Prior to Dudek, Ms. Blundell was involved in extensive scientific research. Her work has been published in a variety of journals/resources including *Behaviour*, *Animal Behaviour*, *Wilson Journal of Ornithology*, *Kansas Ornithological Society Bulletin*, and *Northwestern Naturalist*.

### Team Expertise

Dudek biologists possess a variety of specialized permits and experience applicable to the County's biological consulting needs. Our biologists have State and federal permits that allow for surveying, banding, and trapping of threatened or endangered species, including fairy shrimp (Anostraca), southwestern willow flycatcher (*Empidonax traillii extimus*), least Bell's vireo (*Vireo bellii pusillus*), and California red-legged frog (*Rana draytonii*). In addition, Dudek biologists have direct experience surveying and identifying important species in Santa Barbara County and the greater central and Southern California region. Table 1 presents our local biologists experiences with select special-status wildlife species found in Santa Barbara County and other equally important biological resources (i.e., wildlife corridors, plants and wetland); and habitat restoration.

TABLE 1. BIOLOGICAL FIELD EXPERTISE

Dudek Staff	Vernal Pool/Fairy Shrimp	Steelhead	Arroyo Toad	California Red-Legged Frog	Western Pond Turtle	Blunt-Nosed Leopard Lizard	Burrowing Owl	White-Tailed Kites	Least Bell's Vireo	Southwestern Willow Flycatcher	Wildlife Corridor Assessment	San Joaquin Kit Fox	Small Mammal Trapping	Botany	Habitat Restoration	Wetland Delineations
John Davis IV, MS, CE	L <sup>1,2</sup>	L	L	L <sup>1,2</sup>	L	L <sup>5</sup>	S	L			L	L <sup>2</sup>	L <sup>2</sup>	L <sup>2</sup>	L	L <sup>3</sup>
Melissa Blundell	S								L <sup>1,2</sup>	L <sup>1,2</sup>						
Traci Caddy			L	S	L	S <sup>4</sup>	L	L	L		S	S		S	S	S
Dave Compton, MA				S	S	L <sup>5</sup>	L	L	L	L <sup>1,2</sup>	L	S	S	S <sup>2</sup>	S	L <sup>3</sup>
Randall McInvale				S	S	S <sup>4</sup>	S	S				S	S	S	L	S
Heather Moine	L <sup>1,2</sup>			S		S <sup>4</sup>	S							L <sup>2</sup>	L	S <sup>3</sup>
Johanna Page	S		S	S		S <sup>4</sup>	S					S		S		S
Craig Sellenrich, MS		L	L	L <sup>1,2</sup>	L	L									L	
Tricia Wolipka				L			L		L					L <sup>2</sup>	L	L <sup>3</sup>

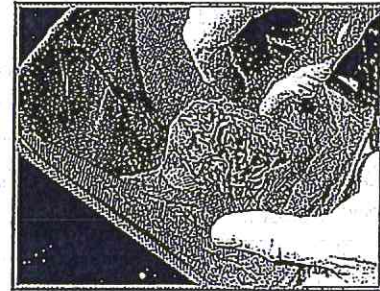
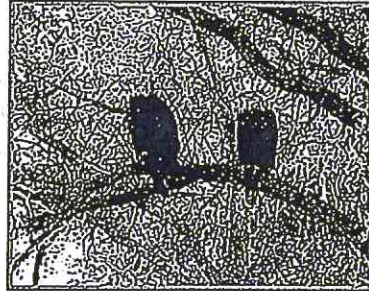
L = Lead Surveyor S= Surveyor

- 1 U.S. Fish and Wildlife Service Recovery Permit
- 2 DFG Scientific Collecting Permit
- 3 40-hour Wetland Training
- 4 Level I Surveyor
- 5 Level II Surveyor



## Relevant Project Experience

Dudek has experience providing biological services and environmental documents required under CEQA for various clients in the region, as well as for various clients throughout California. Dudek has extensive staff and resources with which to accomplish project objectives effectively.

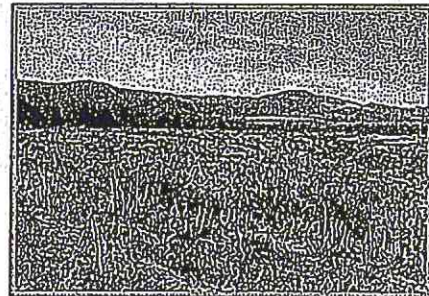


## Projects in Santa Barbara County

### Paradiso del Mare Ranch Ocean and Inland Estates

Client: Brooks Street, Chris Yelich, 949.500.9497  
 Lead Biologist: John Davis IV  
 Key Supporting Biologists: Dave Compton, Traci Caddy, Randall McInvale

The proposed Paradiso del Mare Residential Development Project consists of the development of two residential ranch (ocean and inland) estates on two existing legal, non-conforming lots. The proposed development is on a 145-acre site and proposed 10-lot ranchette development on an adjacent 63-acre site in unincorporated Santa Barbara County.



Dudek has provided ongoing planning, permitting, and biological services relative to the site's proposed development with a limited number of residences, which will include significant restoration of on-site biological habitats as well as enhanced public coastal access. Dudek's biological tasks for this project have included:

- Conducting field work and reporting for sensitive biological resources
  - White-tailed kite and raptor surveys
  - Vegetation community mapping
  - California red-legged frog
  - Rare plant surveys and population estimates and delineations
  - Wetland delineation
- Preparation of white-tailed kite technical memoranda
- Providing analysis of potential harbor seal rookery disturbances
- Responding to public and County comments on the Supplemental EIR – Biological Resources
- Preparing a Habitat Restoration Plan for impacts to the white-tailed kite and vegetation communities
- Attended several project meetings with the County, EIR preparers, and California Coastal Commissioner Jana Zimmerman, and represented the applicant at Planning Commission, Board of Supervisor, and CCC hearings



## Charles Myers Desalination Reactivation Plant

Client: City of Santa Barbara Public Works, Sara Iza, (805) 897-2685  
 Lead Biologist: John Davis IV  
 Key Supporting Biologists: Dave Compton and Melissa Blundell

In response to a challenging water supply crisis in the late 1980s, the City of Santa Barbara permitted and constructed a seawater desalination plant in the early 1990s. After operating for three months in the spring of 1992, use of the Desalination Facility was discontinued when ample rain in March and April 1992 resolved the City's drought situation. The plant was placed into long-term standby mode when the drought ended, but has been maintained as the need for a supplemental water source was realized. Because of the unprecedented drought of 2011-2014, the City determined that the facility will need to be placed back into production mode.

Dudek reviewed the City's permits and easements and the state of the current regulations to determine if the existing permits and easements were adequate for the proposed reactivation and if not, what changes, additional studies, or other cost or scheduling impacting mitigation measures were required. The permits and regulations Dudek reviewed included:

- Coastal Development Permit
- National Pollutant Discharge Elimination System permit (which regulates the intake and outfall)
- California Environmental Quality Act (CEQA)
- Identification of easements required (state lands, property owners, etc.)
- ACOE permitting

Dudek prepared a "Permit Action Plan" that included a list of key regulatory concerns for each permit or agency, and recommended a course of action. Dudek is currently coordinating with the regulatory agencies, and assisting in permit applications, including preparation of supporting technical documents for biological and cultural resources. Dudek is also assisting the City in processing the necessary permits and authorizations needed to place the facility back into production mode.

Biological tasks included the following:

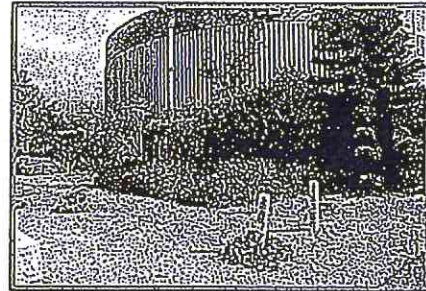
- Peer review of marine biological reports prepared by Tenera Enviromental
- Field work and preparation of a biological assessment for the snowy plover and tidewater goby
- Providing biological technical response to the CCC request for additional information
- Prepared 404/401 permit application packages
- Conducted field work and prepared a biological resources assessment report for a State Revolving Grant application and future CEQA review
- Coordination with the City and project team
- Attendance at regular City meetings and will represent project at the CCC hearing



## El Estero Wastewater Treatment Plant's Tertiary Filtration Replacement and Secondary Treatment Projects

Client: City of Santa Barbara Lisa Arroyo, PE 805.564.5376  
 Project manager/Lead Biologist: John Davis IV  
 Key Supporting Biologist: Heather Moine

Dudek provided support for CEQA/NEPA permitting of a City of Santa Barbara Project. The City seeks to make internal non-structural improvements to existing wastewater treatment plant (WWTP) reactor basins and demolish and rebuild a microfiltration/ultrafiltration tertiary treatment building. The plant is located near the Santa Barbara waterfront and along the Laguna Channel, placing it near sensitive riparian habitat and habitat for the tidewater goby, federally listed as endangered. Dudek biologists provided a biological assessment for the site, as well as performing other tasks under requirements of an existing CDFW SAA. Biology tasks included:

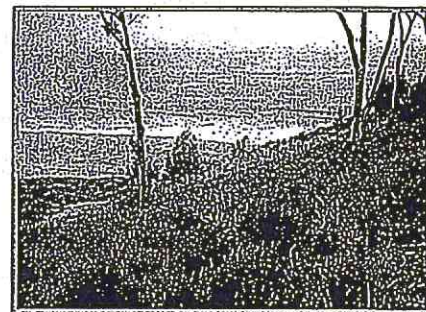


- Vegetation mapping
- Assessment of habitat for special-status plant and wildlife species
- Preparation of the biological assessment
- Assessment of potential impacts to the federally endangered tidewater goby from Project changes related to stormwater recycling.
- Installation of willow stakes under SAA requirements.
- Pre-construction surveys.
- Construction monitoring.

## Bacara Consent Restoration Plan

Client: SB Luxury Resort, LLC, Sarah Mancuso, 619.281.8573  
 Project Manager/Lead Biologist: John Davis IV  
 Key Supporting Biologist: Heather Moine and Melissa Blundell

Dudek assisted current and former owners of the Bacara Resort, west of Goleta, California, in addressing CCC concerns over installation of a wedding and event venue, in violation of provisions of the Coastal Development Permit issued for construction of the resort. Biological issues involved removal of sensitive native vegetation and eucalyptus trees that potentially served as raptor nesting habitat and monarch butterfly roosting habitat. Dudek developed parameters of a Restoration Plan with the owners and the CCC, balancing restoration concerns with cultural concerns associated with the site. Based on these parameters, Dudek developed the Bacara Consent Restoration Plan, which:



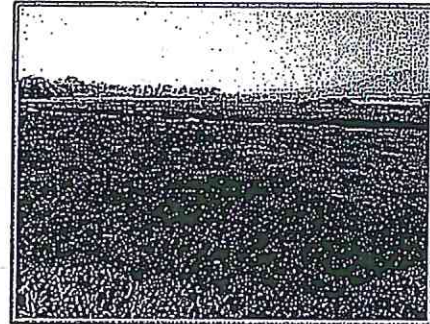
- Outlined requirements for restoration and enhancement of the affected native habitat
- Provided for additional on-site and off-site mitigation
- Attended meetings with the City of Goleta and CCC
- Coordinated with CCC



## Santa Barbara Airport Master Plan Update

**Client:** Coffman Associates, James M. Harris, 602.993.6999  
**Lead Biologist:** John Davis IV  
**Key Supporting Biologists:** Dave Compton and Heather Moine

The Santa Barbara Airport Master Plan update planning effort includes evaluation of the new terminal expansion, relocation and consolidation of general aviation facilities away from carrier/passenger operations, and development of a parallel taxiway to serve the relocated general aviation facilities. Coffman Associates Airport Consultants leads the project team. Dudek was responsible for updating environmental conditions data for biological resources, archaeological resources, and coastal resources. Further, Dudek provided constraints-related design guidance to the team, and conducted impact assessment and policy evaluation for assigned resource areas under CEQA and NEPA. The City of Santa Barbara executed the contract to authorize this effort in November 2011. The update of biological resources data took place in 2012. Update tasks included:

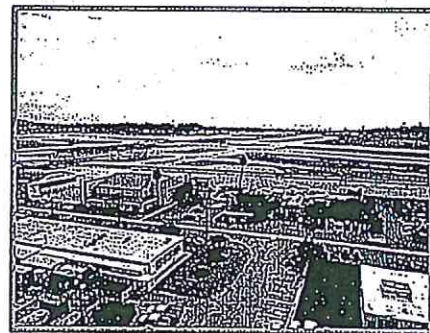


- Performing a search of the extensive literature on airport natural resources.
- Conducting field surveys, including update of vegetation mapping, jurisdictional delineation, and general biology.
- Preparing an inventory of plant and wildlife species and habitat for the entire airport.
- Preparing a delineation and jurisdictional determination report.
- Reviewing and providing technical information on the ADEIR.

## Santa Barbara Airport Wildlife Hazard Assessment

**Client:** City of Santa Barbara Airport Department, Andrew Bermond  
 805.692.6032  
**Project Manager/Lead Biologist:** Dave Compton  
**Key Supporting Biologist:** John Davis IV

The Santa Barbara Airport Wildlife Hazard Assessment (WHA) and Wildlife Hazard Management Plan (WHMP) Update includes leading a team of four consultants conducting a year-long study to evaluate wildlife hazards to aircraft at the airport and vicinity, assessing airport operations procedures for dealing with wildlife issues, preparing a report on wildlife hazards, and updating the airport's existing WHMP. The Dudek team is conducting field studies, reviewing existing procedures, and interviewing pilots, fix base operators, and airline and private maintenance personnel with regard to their experience with wildlife and airport wildlife procedures. The project began in November 2014, and field studies are scheduled to go through November 2015. To complete this project, Dudek and its subconsultants are:



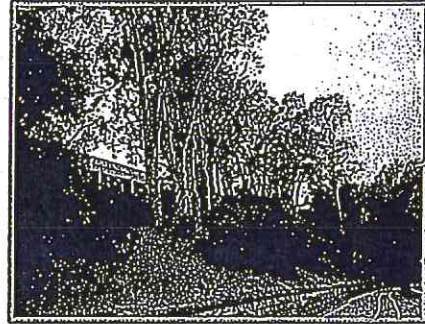
- Conducting twice-monthly bird point count surveys.
- Conducting camera studies, quarterly night-time spotlighting, and small mammal trapping to study mammal activity.
- Reviewing existing wildlife aircraft strike data.
- Preparing a WHA to report the results of the year-long effort and make recommendations to reduce wildlife hazards.



## Reviewing and updating the airport's existing WHMPSanta Barbara City College Biological Studies

Client: Santa Barbara City College, Julie Hendricks, 805.965.0581  
 Lead Biologist: Heather Moine

Dudek provided biological services, supporting permitting and mitigation for a development constructed, without CCC review, within an area designated as environmentally sensitive habitat under the College Long Range Development Plan—Public Works Plan (LRDP-PWP). The unpermitted development was situated within a row of eucalyptus trees that had been included in a southern oak woodland sensitive habitat. Dudek worked with CCC staff to assess habitat values of the removed eucalyptus trees and the existing oak woodland and helped devise a plan for mitigating impacts of the development. Dudek's biological services included:

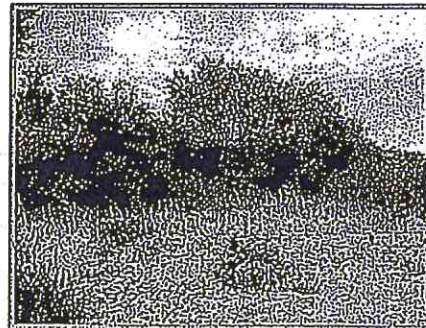


- Analysis of LRDP-PWP policies and historical evidence of habitat conditions
- Assessment of the area as habitat for raptors and other sensitive bird species and as a wildlife corridor
- Assessment of past impacts within the remaining oak woodland from project construction
- Wintering raptor surveys.
- Preparation of an Oak Woodland Restoration Plan as mitigation

## City of Solvang Reinforced Vegetated Slope Protection

Client: City of Solvang, Matt Van der Linden, 805.688.5575  
 Project Manager/Lead Biologist: Dave Compton  
 Key Supporting Biologists: Heather Moine and John Davis IV

Dudek subcontracted to civil engineering firm Penfield & Smith to provide biological services for the City of Solvang's WWTP Reinforced Vegetated Slope Protection Project. The City of Solvang installed a system of piles and cables to promote bank stabilization adjacent to the WWTP by capturing debris and sediment and promoting revegetation of the surrounding area. Dudek's biological tasks have included:



- General biological survey and vegetation mapping
- Jurisdictional delineation
- Informal agency consultation
- Biological assessment and jurisdictional determination report
- Permitting support
- Special-status species surveys and survey report
- Preparing a Habitat Mitigation and Monitoring Plan
- Preparing a Species Protection Plan and a Relocation Out of Harm's Way Plan
- Construction monitoring
- Restoration monitoring

## Biological Resource and Raptor Surveys

Client: University of California, Santa Barbara, Shari Hammond  
805.893.3796

Project manager/Lead Biologist: John Davis IV

Key Supporting Biologists: Dave Compton and Heather Moine

The University of California, Santa Barbara (UCSB), contracted with Dudek from June 2012–July 2013 to provide Biological Resource Surveys for its Long Range Development Plan Environmental Impact Report (LRDP EIR) and for requirements specified by the CCC. After conducting an introductory visit of each survey area with UCSB staff, Dudek biologists completed the following tasks:



- Field Surveys to identify sensitive resources, including special-status plant species and wetlands.
- Special-Status Plant Surveys in accordance with USFWS, CDFW, and CNPS guidelines, and additional guidelines from the CCC staff report.
- Wetland and Drainage Survey of a coastal zone wetland delineation and mapping any man-made drainage features.
- Biological Survey Report in accordance with standards established by UCSB for project review, incorporating all data collected during site visits and surveys.
- Raptor and Nesting Bird Surveys and Reporting in accordance with CCC protocols. Conducted raptor surveys in the 2012 nesting season for six sites and in the 2013 nesting in four additional sites and conducted wintering raptor surveys in 2012-2013 for three sites; also conducted surveys for nesting birds at six sites in the 2012 nesting season and wrote reports for the surveys based on CCC specifications.
- Aesthetic, Glare, and Noise Analysis for Facilities Management Site to assess potential effects in the areas of aesthetic, glare, and noise on the biological resources in the adjacent Goleta Slough, along with an associated memorandum describing methodology of analysis, significance criteria, impact delineation, and mitigation needed.

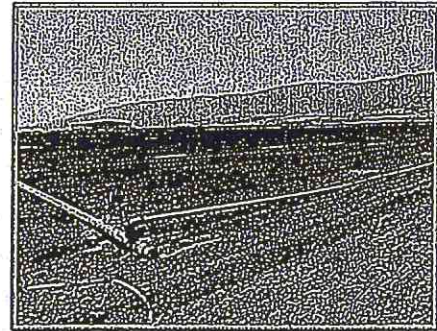


## Vista de Santa Lucia Wind Energy Generation Project, Vista de Santa Lucia Wine Center

Client: Bodega Flats, John Handel, 775.742.0410  
 Project manager/lead biologist: Keith Babcock  
 Key supporting biologist: Dave Compton

Greenbodega, LLC, proposed to build two large wind turbines on a 30-acre agricultural property adjacent to the City of Gonzales, Monterey County, California. The project was proposed to be part of a complex that also included a winery development and produce visitor center, which would promote agri-tourism and showcase the history of the Salinas Valley. The Board of Supervisors approved the wind turbine project in 2013. Dudek biologists provided support through:

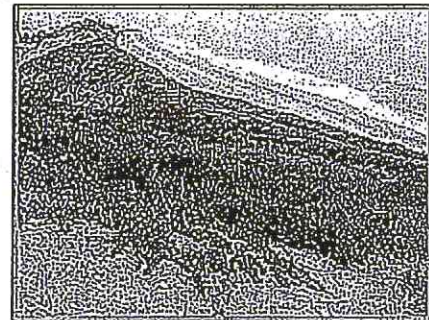
- Assessment of potential impacts to California condor
- Biological surveys of the site and surrounding areas
- Preparation of a biological report on the resources and constraints of the area, focusing on birds and bats
- Appearing before a planning commission meeting in support of the applicant.



## Rincon Trail Project CEQA Documentation

Client: City of Carpinteria Dave Durlfing, City Manager 805.684.5405  
 Lead biologist: Dave Compton

Dudek was contracted by the City of Carpinteria (City) to provide environmental services to the Parks and Recreation, Department, including required CEQA documentation (IS and Mitigated Negative Declaration [MND]) and analysis of a 1-mile segment (the Carpinteria Rincon segment) of the Carpinteria Coastal Vista Trail in eastern Santa Barbara County. The Rincon trail is located along Carpinteria Bluffs, on lands within the jurisdictions of the City and the County of Santa Barbara. It extends within the Union Pacific Railroad and California Department of Transportation rights-of-way (ROW).



This segment of the Carpinteria Coastal Vista Trail is a high priority for implementation because the existing gap in the trail creates a significant constraint for bicyclists and pedestrians. As part of the 1,200-mile California Coastal Trail, the Rincon segment will provide a hiking and biking connection between Santa Barbara and Ventura Counties, and will improve safety and access to the Santa Barbara Channel shoreline.

## Ferro Ditch Channel Environmental Documentation

Client: Ventura County Zoë Carlson, Environmental Planner, CEQA  
and Permitting Ventura County Watershed Protection  
District 805.654.2023

Lead Biologist: John Davis IV

Key Supporting Biologist: Traci Caddy

Dudek was contracted by the Ventura County Watershed Protection District to prepare environmental documentation and permitting for replacement of the existing Ferro Ditch trapezoidal channel with a new trapezoidal channel that has 2:1 side slopes and a 7-foot base width. The project involves increasing the capacity within the Ferro Ditch Channel to provide flood protection for 50-year storms. The project will deepen and widen approximately 0.3 miles of the existing Ferro Ditch earthen and concreted rock riprap channel, and line the banks and bottom with grouted rock riprap to prevent erosion. The existing trapezoidal channel will be improved with 2:1 side slopes and a base width of 7 feet. A 2.5-foot riprap section will be placed on a filter blanket to prevent washout of the subgrade, and the top 3 feet of the rock slope protection (along with adjacent access roads on the tops of the channel banks), will be concreted.



To provide the necessary supporting environmental permitting documents, Dudek's environmental scientists have prepared the following:

- Project Description
- Draft IS
- Final Draft IS – Incorporating Ventura County's Comments
- Public Draft Mitigated Negative Declaration-Initial Study (MND-IS), including the Mitigation Monitoring Reporting Program – Implementation Plan, and Notice of Intent to adopt the MND
- Final MND and Response to Comments
- Notice of Determination



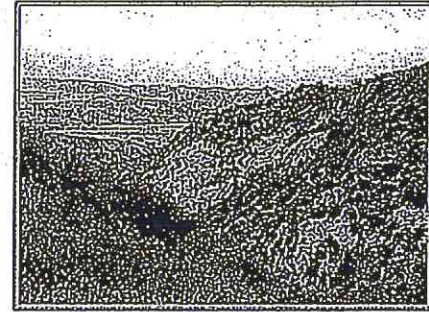
## Newhall Resource Management and Development Plan

Client: Newhall Land and Farming Company, Matt Carpenter,  
661.255.4259

Project Manager: Sherri Miller

Key Supporting Biologists: Dave Compton, Johanna Page, Randall McInvale, Traci Caddy,  
Heather Moine, and John Davis IV

Dudek has worked with Newhall Land and Farming Company since 2002, conducting biological resources surveys on more than 17,000 acres and preparing a variety of inventories, impact analyses, and mitigation plans. Most recently, Dudek prepared the Newhall Ranch Resource Management and Development Plan (RMDP) and Spineflower Conservation Plan (SCP), as well as the biological resources section of the EIS/EIR, which analyzes the impacts of the RMDP and SCP with respect to numerous special-status species. The ACOE and CDFW are the lead agencies for the EIS/EIR. The federal action requested from the ACOE



consists of the issuance of a long-term, individual Section 404 permit (with Section 7 consultation). State actions requested from CDFW related to the RMDP and SCP include: the issuance of a long-term Master SAA, pursuant to the California Fish and Game Code, Section 1602; and authorization for "take" of species, incidental to the otherwise lawful implementation of the Specific Plan through issuance of an Incidental Take Permit, pursuant to Section 2081 of the California Fish and Game Code.

The RMDP represents the culmination of years of resources studies and evaluation for the 13,650-acre site in northern Los Angeles County. The SCP evaluates impacts to 14,300 acres, which represents the distribution of the San Fernando Valley spineflower in Los Angeles County. In order to prepare the RMDP, SCP, and EIS/EIR, Dudek accumulated all previous biological data from various consultants into a GIS and Microsoft Access database; completed an evaluation of the data; updated surveys as necessary, including significant habitat restoration evaluations; and formulated a management plan that addresses all special-status species and habitats affected by the project.

The RMDP, SCP, and associated EIS/EIR establish a set of standards and guidelines by which the biological resources within the Newhall Ranch Specific Plan Area will be managed for the life of the community. The RMDP and SCP also establish standards for the development of infrastructure within the Newhall Ranch Specific Plan Area such that impacts to ecosystem processes are minimized and avoided to the greatest extent. The RMDP and SCP are comprehensive documents accounting for impacts in terms of CEQA/NEPA, local regulations, State and federal wetlands regulations, and State and federal endangered species regulations. The Final EIS/EIR was distributed for public review in June 2010. The Master SAA and 2081 Incidental Take Permits were issued by CDFG in December 2010.

The types of biological resources evaluated for management and protection in the RMDP and SCP include the Santa Clara River and tributaries, with special-status fish, amphibian, and bird habitat, as well as adjacent uplands with scrub, chaparral, and oak woodland communities.

# APPENDIX A

## Resumes



# John Davis IV

## Senior Ecologist

John Davis IV is a senior biologist in the Santa Barbara office with over 15 years' experience, specializing in biological resource assessments; special-status plant and wildlife species surveys; habitat restoration; and environmental regulations, permitting, and compliance. Mr. Davis IV's expertise is in identification and risk management of potential biological constraints for a diversity of land use projects, including energy, infrastructure, residential, commercial, and restoration projects. He has effectively assisted clients with project design and agency negotiations, produced defensible biological technical reports, and managed and coordinated the biological resources sections of California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents. Mr. Davis IV represents Dudek on several qualified biologist lists, including the Counties of San Luis Obispo, Santa Barbara, and Riverside, and he is recognized as a qualified biologist by the Significant Ecological Area Technical Advisory Committee (SEATAC) for Los Angeles County.

Mr. Davis IV has extensive experience surveying for a number of special-status invertebrate, reptile, amphibian, and mammal species. He is permitted by the U.S. Fish and Wildlife Service (USFWS) to conduct surveys for listed vernal pool branchiopods (fairy and tadpole shrimp) and the federally endangered Morro shoulderband snail (*Helminthoglypta walkeriana*). USFWS has also permitted him to perform habitat enhancement and construction-related activities for the Morro shoulderband snail and handle the federally threatened California red-legged frog (*Rana draytonii*). In addition, he is California Department of Fish and Game (CDFG)-qualified to survey for the San Joaquin kit fox (*Vulpes macrotis mutica*) and the desert tortoise (*Gopherus agassizii*) throughout their ranges. Other types of wildlife species surveyed include the blunt-nosed leopard lizard (*Gambelia sila*), flat-tailed horned lizard (*Phrynosoma mcallii*), fringe-toed lizards (*Uma* spp.), California tiger salamander (*Ambystoma californiense*), arroyo toad (*Bufo californicus*), western spadefoot (*Spea hammondi*), southwestern pond turtle (*Clemmys marmorata pallida*), southern steelhead (*Oncorhynchus mykiss gairdneri*), tidewater goby (*Eucyclogobius newberryi*), Swainson's hawk (*Buteo swainsoni*), white-tailed kite (*Elanus leucurus*), and burrowing owl (*Athene cunicularia*). In addition, Mr. Davis IV also has conducted numerous focused floristic (rare plant) surveys, vegetation mapping, and wetland delineations in Southern and Central California.

### EDUCATION

California Polytechnic State University, San Luis Obispo

MS, Biology, 2003

San Diego State University

BS, Ecology, 1998

### CERTIFICATIONS

USFWS 10(A) Recovery Permit  
No. TE-110095-1

- California Red-Legged Frog
- Listed Vernal Pool Branchiopods
- Morro Shoulderband Snail

CDFW Scientific Collecting Permit  
SC-008527

- Focused Floristic Surveys
- Herpetological Surveys
- Small Mammal Trapping

ESA Certified Ecologist

SEATAC Qualified Biologist

### PROFESSIONAL AFFILIATIONS

Ecological Society of America

The Wildlife Society

Society for the Study of Amphibians  
and Reptiles

## Project Experience

### Development

**Paradiso del Mare Residential Development, County of Santa Barbara, California.** As task manager and lead biologist, coordinated and conducted focused biological surveys that included white-tailed kite, California red-legged frog, rare plants, and general wildlife surveys. A review of jurisdictional hydrologic features and mapping of vegetation communities was also completed as part of the effort. Managed and prepared the biological survey report and white-tailed kite technical memorandum; assisted restoration ecologists in development of a restoration plan. These reports were submitted to the county in August 2011. Ongoing agency coordination with California Coastal Commission and County staff on biological issues. The environmental impact report (EIR) is currently in preparation.

**Santa Barbara Ranch, County of Santa Barbara, California.** Managing biologist. Coordinated and performed survey for native grasslands, jurisdictional hydrologic features, and raptor nesting and foraging to address a Coastal Development Permit application for the development project. A biological technical report was submitted to the property owner in October 2011.

**Ferro Ditch Channel Improvements Project, Initial Study, County of Ventura, California.** Prepared the biological resources section of the initial study for the Ventura County Watershed Protection District. The revised draft initial study is currently in preparation.

**Yokohl Ranch, County of Tulare, California.** Conducted a peer review of existing biological reports, specifically, special-status botanical resources and herpetofauna. A field reconnaissance on accessible portions of the 36,000-acre ranch followed in spring 2011. Designed and coordinated a spiny-sealed button celery (*Eryngium spinosepalum*) density estimate and conservation area assessment in Phase I and Phase II of the proposed project area and adjacent hills.

**Paquita Drive Coastal Permitting, Residential/Private Client, Carpinteria, California.** Prepared a biological assessment report for a 1.13-acre lot in support of coastal permitting. Two environmentally sensitive habitat areas (ESHA) were present on site: purple needle grass grassland and coast live oak woodland. Conducted an impact analysis for the residential development, a vegetation management plan was conducted, and mitigation measures to avoid or reduce impacts to ESHA's were included in the report. Coordinated with the county, architects, and client through the permitting process on biological issues.

**Santa Margarita Ranch Agricultural Residential Subdivision Project and Future Plan EIR, County of San Luis Obispo, California.** Managed and prepared the biological resources section of the EIR. Coordinated survey efforts for protocol California red-legged frog and listed vernal pool branchiopod (fairy shrimp), as well as rare plant and general wildlife surveys and jurisdictional wetland review. Attended meetings with county staff and regulatory agencies.

**Santa Barbara County Housing Element and Action Plan EIR, Santa Barbara, California.** Conducted field visits and prepared the biological resources section of the EIR. Coordinated and trained staff on special-status species assessment, sensitive biological resources, and jurisdictional boundaries. Analyzed potential policy and development impacts on 10 county-selected sites.



Stenner Creek, City of San Luis Obispo, California. Conducted a substrate analysis for the southern steelhead and prepared a technical report for National Oceanic and Atmospheric Administration (NOAA) Fisheries. Coordinated with NOAA, City of San Luis Obispo, and Whitaker Construction during monitoring of the highly visible construction of the Stenner Creek Bridge near the intersection of Foothill Boulevard and Santa Rosa Road/Highway 1. Conducted and designed restoration and revegetation projects and monitored a variety of construction activities to ensure compliance with federal, state, and local resource agency requirements.

Agoura Hills, City of Agoura, Los Angeles County, California. Conducted focused floristic surveys and vegetation mapping in support of the Agoura Village Specific Plan. The canyon liveforever (*Dudleya cymosa* ssp. *agourensis*, FT, List 1B.2) and Lyon's pentachaeta (*Pentachaeta lyonii*, FE, List 1B.1) were observed and recorded. Vegetation mapping included valley needlegrass grassland and valley oak savannah. The survey was conducted in 2007 and included an area of 300 acres.

Talley Farms, County of San Luis Obispo, California. Technical specialist and environmental monitor. Conducted California red-legged frog surveys and monitoring for construction of a bridge over Arroyo Grande Creek.

### Energy

Pacific Valley's Ruby Solar Project, Antelope Valley, Northern Los Angeles County, California. As managing biologist, supervised and conducted focused biological surveys, coordinated with agencies and client, and prepared and reviewed reporting for a 20 MW PV power plant on a 160-acre site. Surveys included botanical (floristic), spring/nesting bird, burrowing owl, Swainson's hawk, and general wildlife. Habitat and Joshua tree (*Yucca brevifolia*) mapping was also performed. A biological resources assessment report was prepared in November 2010 to support a CUP application for the solar project.

SunPower's 225 MW California Valley Solar Ranch Project in Eastern San Luis Obispo County, California. As project manager and lead biologist, supervised field team consisting of 53 biologists performing focused surveys on a 5,227-acre site and two 3-mile-long transmission routes. Species surveys included floristic (rare plant), small mammal trapping, San Joaquin kit fox, blunt-nosed leopard lizard, burrowing owl, giant kangaroo rat (*Dipodomys ingens*) precinct mapping, wintering birds, wetland delineation, and vernal pool assessment. Orchestrated field surveys, data collection, technical report preparation, and agency and client coordination. A biological resources assessment report was submitted to the county in January 2009. A revised technical report containing all survey methodology and results was submitted to SunPower on October 2009 for delivery to the County of San Luis Obispo in support of revised a CUP application and later the county's CEQA review of the project.

Due Diligence/Fatal Flaw Analysis for SunPower Corporation in San Luis Obispo County, California. As managing biologist, supervised reconnaissance field surveys, agency coordination, and biological constraints reporting for a solar project site in the Carrizo Plain, eastern San Luis Obispo County.

### Permitting

North County Conservation Strategy, County of Santa Luis Obispo, California. Assisted in outline construction and peer review of the plan. Attended meetings with project manager.

Minimum Effect Habitat Conservation Plan, Los Osos, California. Attended meetings and coordinated with applicant and USFWS. Prepared the habitat conservation plan for the Morro shoulderband snail.



### Military

Bridge 101, 102, 106, and 107, Camp San Luis Obispo, California. Project manager, environmental compliance monitor, and restoration specialist for the demolition and construction of four bridges on Camp San Luis Obispo. Prepared, implemented, and monitored revegetation on creek banks for the military and ensured compliance during bridge activities on Chorro Creek and its tributaries.

### Resource Management

Western Goleta Slough Wetland Enhancement Project, Goleta, California. Served as project manager for a multidisciplinary team on the creation and enhancement of 20 acres of wetland and upland habitat on CDFG property. Coordinated with regulatory agencies on environmental and development issues and permitting. Supervised and prepared coastal (Coastal Development Permit with Hearing), wetland/stream (401/404/Streambed Alteration Agreement), and air pollution permit applications, as well as the restoration plan. All permits were granted for the project. Managed and coordinated with civil engineers, archaeologists, and geologists on the project design, cultural resources, soil contamination, and unexploded ordnance issues. CDFG was the lead agency for the initial study/mitigated negative declaration. The project is currently under construction.

Los Osos Bureau of Land Management Property, San Luis Obispo County, California. Provided floristic inventory; herbarium development; Morro shoulderband snail, federally endangered Morro manzanita (*Arctostaphylos morroensis*), and additional rare plant, wildlife, and vegetation surveys and mapping in San Luis Obispo County.

### Transportation

Ekwill Street and Fowler Road Extensions, City of Goleta, California. Biological task manager. The existing natural environment study (NES) was edited and later finalized in 2010, and the EIR/environmental assessment was completed in September 2011.

Tepusquet Road Crossing, County of Santa Barbara, California. Served as project manager and lead biologist. The existing NES and wetland delineation were edited and finalized at the end of 2007. Coordinated with species experts and state and federal agencies. The project was permitted in 2008. Project was reviewed by California Department of Transportation (Caltrans), District 5.

San Miguel Ranch Highway 101 Off-Ramp, County of San Luis Obispo, California. Project manager and lead biologist for the preparation of a biological assessment that included the Caltrans right-of-way. The project consisted of widening the off-ramp and roadways for safer access to San Miguel Ranch, which is proposed to be subdivided. The project was conducted in coordination with Caltrans, District 5. The project is tied to the San Miguel Ranch development, which is currently on hold.

Calle Joaquin Road Realignment Project, City of San Luis Obispo, California. Prepared a biological assessment and conducted protocol fairy shrimp and focused floristic surveys. Coordinated with USFWS and U.S. Army Corps of Engineers regarding federally listed species. The project was reviewed by Caltrans, District 5, and completed in 2006.

### Water/Wastewater

Environmental Protection Agency (EPA) 319(h) Morro Bay National Monitoring Program (1992–2002) in San Luis Obispo County, California. Managed data collection, management, and analysis for the program. Other responsibilities included annual report submittal to the EPA and presentations at National Nonpoint Source Monitoring Workshops. Data collection in the Morro Bay watershed consisted



of weekly water quality sampling for 20 creek sites and annual CDFG rapid bioassessment for stream habitat quality and macroinvertebrate diversity. Creeks were also surveyed for changes in stream channel morphology, plant coverage, and stream substrate composition. Focused studies included the effects of rangeland best management practices on water quality for a paired watershed and for upstream–downstream comparisons. Coordinated and performed water quality and benthic macroinvertebrate sampling, stream bank stability and stream bed sediment analysis, stream morphology assessment, long-term data management and statistical analysis and interpretation, land owner coordination, and professional and public information presentations.

**Special-Status Wildlife Species Experience**

Listed Vernal Pool Branchiopods (fairy shrimp) – Over 180 survey hours:

Central and Southern California..

Morro shoulderband snail (*Helminthoglypta walkeriana*) – Over 125 survey hours:

County of San Luis Obispo.

Southern Steelhead (*Oncorhynchus mykiss*)

Central and Southern California.

California Red-legged Frog (*Rana draytonii*) – Over 194 survey hours:

Winchester Culvert Repair, City of Goleta, California.

Central and Southern California Coastal Streams. Conducted numerous USFWS protocol surveys for California red-legged frog for projects throughout San Luis Obispo, Santa Barbara, and Ventura Counties.

Blunt-Nosed Leopard Lizard (*Gambelia sila*) (Level 1) – 33 survey days:

California Valley Solar Ranch.

Swainson's Hawk (*Buteo swainsoni*) – Over 80 survey hours:

Fresno and Los Angeles Counties

San Joaquin Kit Fox (*Vulpes macrotis mutica*) – Over 360 survey hours:

San Luis Obispo County and the San Joaquin Valley.

Small Mammals – Over 120 survey hours; 12 trap nights:

Central and Southern California.

# Dave Compton

## Biologist

Dave Compton is a wildlife biologist with more than 14 years' experience working in riparian systems, coastal marshes, San Joaquin Valley environments, and California desert environments. He has extensive experience with bird survey techniques and has designed and conducted bird surveys in a variety of habitats in California. Mr. Compton has led a variety of field efforts and contributed to various California Environmental Quality Act (CEQA) and California Coastal Act (CCA) documents and reports dealing with biological resources and potential project impacts. In addition, he has varied experience in inventory of wildlife and vegetation resources, restoration monitoring, and habitat assessment. He holds a U.S. Fish and Wildlife Service (USFWS) recovery permit and a California Department of Fish and Game (CDFG) scientific collecting permit. Mr. Compton has surveyed for various special-status wildlife species, including Swainson's hawk (*Buteo swainsoni*), white-tailed kite (*Elanus leucurus*), burrowing owl (*Athene cunicularia*), southwestern willow flycatcher (*Empidonax traillii extimus*), least Bell's vireo (*Vireo bellii pusillus*), Belding's savannah sparrow (*Passerculus sandwichensis beldingi*), California red-legged frog (*Rana draytonii*), flat-tailed horned lizard (*Phrynosoma mcallii*), blunt-nosed leopard lizard (*Gambelia sila*), desert tortoise (*Gopherus agassizii*), and San Joaquin kit fox (*Vulpes macrotis mutica*).

### EDUCATION

Marquette University  
MA, U.S. History, 1984

Christian Brothers College  
BA, History, 1982

### CERTIFICATIONS AND TRAINING

Recovery Permit TE101148-1

Scientific Collecting Permit SC-7918

BLM-Certified to Perform Protocol Surveys

Tracking Flat-Tailed

Horned Lizard

Southwestern Willow Flycatcher Workshop,  
South Fork Kern River Preserve, Weldon,  
California, May 1998, May 2005

Flat-Tailed Horned Lizard Certification Training,  
El Centro, California, May 2010

Basic CEQA Training, October 2011

Swainson's Hawks in California's Central  
Valley, Sacramento, California, April 2012

Wetland Training Institute, Basic Wetland  
Delineation, San Diego, California,  
August 2012

### PROFESSIONAL AFFILIATIONS

Western Field Ornithologists

California Bird Records Committee

## Project Experience

### Development

Cabrillo Business Park, Los Carneros Road Improvements, Sares Regis Group, Goleta, California. In September 2012, conducted monitoring of road improvements associated with this project, performing daily surveys for special-status species potentially impacted by construction activities and ensuring no impacts occurred to biological resources. Monitored project activities and worked with construction personnel in relation to potential impacts to southern tarplant (*Centromadia parryi* var. *australis*), a special-status species present on the site. Coordinated with the City of Goleta and the construction crew to determine a strategy consistent with permit requirements and species preservation when it was clear tarplant would be removed according to the current construction plan, and eventually collected tarplant seeds for on-site restoration purposes.

Paradiso del Mare Ranch Estates, CPH Dos Pueblos Associates, Southern Santa Barbara County, California. In spring and summer 2011, assisted in biological surveys of an approximately 140-acre site in the coastal zone and co-authored the technical report on surveys. Participated in botanical surveys, vegetation mapping, delineation of on-site wetlands, white-tailed kite nesting season surveys, and California red-legged frog surveys. Helped prepare a report on existing conditions and survey results. Also helped prepare a 30-page technical memo on occurrences and habitat value on the site for the state fully



protected white-tailed kite, a species that receives special protection under the county's local coastal program. Conducted additional research on white-tailed kite natural history in support of the environmental impact report in the summer of 2012.

**Ventura Bluffs and Summit View Homes, West Coast Housing Partners, Ventura and Lompoc, California.** Provided due-diligence-level surveys and reports for two small potential housing developments in August 2011. The Ventura Bluffs project involved an assessment of raptor issues. The Summit View project involved a general biological survey for assessing potential constraints from the presence of native or sensitive vegetation communities, rare plants, special-status wildlife, wetlands, or jurisdictional streams.

**Westar Property, Westar Associates, Goleta, California.** Participated in a wetland delineation and southern tarplant survey of an undeveloped 23.5-acre lot proposed for mixed use in a suburban portion of Santa Barbara County.

### Education

**Humanities Building Renovation/Sensitive Habitat Area Assessment, Santa Barbara City College, Santa Barbara, California.** From September to November 2012, assessed current and historical habitat within an area designated as sensitive oak woodland habitat under the CCA, in response to a violation of the CCA in which part of the designated habitat was developed without being permitted. The task required the ability to assess current habitat in the field and reconstruct events surrounding the removal of the habitat, as well as gather information from aerials and college documents to describe the habitat prior to removal.

**Long-Range Development Plan (LRDP), University of California, Santa Barbara, Santa Barbara, California.** Conducted raptor and nesting bird surveys in May and June 2012 around potential developments described in the LRDP Environmental Impact Report (EIR) and prepared a survey report in June and July 2012 to fulfill Coastal Commission requirements to document uses of the areas by raptors and special-status bird species.

**Southwestern Willow Flycatcher Contract, University of California, Santa Barbara (UCSB), Vandenberg Air Force Base and Santa Ynez River, Santa Barbara County, California.** As part of a project conducted by UCSB, performed protocol surveys on base for southwestern willow flycatcher, federally listed as endangered, in 1998, 2005, 2006, and 2007. In 1998, also performed least Bell's vireo surveys on the Santa Ynez River between the base and Buellton, California. As part of the same project, participated in monitoring of riparian systems on base by conducting point count surveys in 2003, 2004, 2005, and 2008.

**Belding's Savannah Sparrow Surveys, University of California, Carpinteria Salt Marsh Reserve, Carpinteria, California.** Participated in surveys for Belding's savannah sparrow, listed by the State of California as endangered, in May 2001. The surveys were conducted to monitor the species' population for the reserve and to contribute to a statewide effort under the auspices of CDFG to monitor the species' status.

### Energy

**Calle Real Photovoltaic Project, Endelos Solar, Santa Barbara, California.** Subcontracting under a solar developer on a County of Santa Barbara project in December 2011, updated the vegetation mapping



for a small permitted solar site and identified potential restoration sites for mitigation of impacts from removal of coastal scrub vegetation.

**California Valley Solar Ranch, SunPower, Carrizo Plain, San Luis Obispo County, California.** Participated in a variety of biological surveys covering a 3,000-acre survey area and 2,000-acre project footprint and contributed to documentation of on-site resources and analysis of project impacts. During field survey efforts conducted in 2009, designed and conducted wintering bird point count surveys, participated in vegetation surveys, participated in protocol nighttime spotlighting surveys for the endangered San Joaquin kit fox (seeing approximately nine foxes per survey), and participated in 25 days of protocol surveys for the blunt-nosed leopard lizard. Also helped compile data for on-site biological resources, wrote a report on the wintering bird surveys, wrote the section on birds (including impact analysis) for a biological technical report, and contributed to several other chapters of the report.

### Resource Management

**North San Luis Obispo County Habitat Conservation Plan–Natural Community Conservation Plan (HCP–NCCP, California.** From December 2011 to November 2012, participated in a variety of phases in preparation of the first draft of the plan, including identification of covered species, preparation of wildlife species profiles, writing portions of the existing conditions section, and identifying the conservation factors for the covered bird species.

**Bird Island Monitoring, Santa Barbara Audubon Society (SBAS), Ellwood, California.** From May 2005 to February 2009, monitored bird use of offshore structures and completed annual reports to SBAS on the findings. The structures were designed to support Brandt's cormorants (*Phalacrocorax penicillatus*) and federally endangered brown pelicans (*Pelecanus occidentalis*) and were built as mitigation for removing the remnant of an abandoned oil pier that nesting and roosting birds had colonized.

**Spring Seabird Migration Count, SBAS, Goleta Point, Santa Barbara County, California.** From 2000 to 2003, coordinated SBAS's project monitoring for the spring near-shore migration of seabirds near Goleta, California. Coordinated up to 20 volunteers and wrote a report summarizing the first 3 years of the project.

**Lake Casitas Natural Resources Management Plan, Bureau of Reclamation, Ventura County, California.** Helped conduct surveys of water-dependent birds, riparian breeding birds, and birds of prey from January 2005 to November 2006. The project sought to assess natural resources around the lake and develop a management plan based on the results.

**Santa Ynez River Riparian Bird Surveys, Bureau of Reclamation, Santa Barbara County, California.** Conducted riparian bird surveys and habitat assessment for URS Corporation on a Bureau of Reclamation project. Compiled a report on the surveys that also assessed habitat for the federally endangered southwestern willow flycatcher.

**Santa Clara River Point Counts and General Riparian Bird Surveys, USFWS, Ventura and Los Angeles Counties, California.** Performed point counts and walking transect surveys on the Santa Clara River as part of a group performing least Bell's vireo and other avian surveys from June to July 2000.

**Cachuma Lake Natural Resources Management Plan, Bureau of Reclamation, Santa Barbara County, California.** Designed surveys of water-dependent birds and riparian breeding birds, directed a



team of participants in these surveys from 2001 to 2003, and authored the section on the lake's avian life for the management plan.

**Riparian Breeding Bird Surveys, U.S. Forest Service, Southern California.** Performed point count surveys as part of a long-term project monitoring riparian breeding birds in the Cleveland, San Bernardino, Angeles, and Los Padres National Forests from May to June 1996.

### **Transportation**

**Firestone Road Drainage Improvements Project, Santa Barbara Municipal Airport, Goleta, California.** From March to June 2012, conducted biological surveys and prepared a report on biological resources in relation to a project proposed to install improvements within an earthen drain. Conducted a wetland delineation, vegetation mapping, and special-status species habitat assessment, then prepared a report that included a jurisdictional determination and assessment of biological resources and impacts of the proposed project.

**Santa Barbara Airport Master Plan Update, Santa Barbara Municipal Airport, Goleta, California.** From January to April 2012, assembled survey results and extensive historical information on the plant and wildlife resources of the Santa Barbara Airport and prepared a report detailing special-status and common species occurring at Goleta Slough and the airport, as well as habitat occupied by special-status species. Also participated in all field surveys to update the vegetation and wetland mapping for the entire airport.

**Carpinteria Rincon Trail, City of Carpinteria, California.** Performed a general biological survey of the site of an approximately 5,000-foot-long proposed bicycle and walking trail from the City of Carpinteria to Rincon County Park. Also wrote the biological resources section for the initial study and mitigated negative declaration for the project. Tasks included mapping vegetation communities, recording all plant and wildlife species observed along the route, assessing habitat for special-status plants and wildlife species, noting the locations of any protected trees, assessing impacts to all resources, and proposing mitigation measures. The analysis addressed CEQA considerations, as well as the local coastal programs of the City of Carpinteria and County of Santa Barbara.

**Nesting Bird and General Wildlife Surveys, Santa Barbara Municipal Airport, Goleta, California.** In August and September 2010, conducted pre-construction and clearance surveys for nesting birds and special-status wildlife species at a 10-acre site in a coastal salt marsh. The project involved the reintroduction of tidal circulation in a part of Goleta Slough where tidal flow had been restricted for several decades. This was accomplished through grading and reconfiguration of the project site.

**Restoration Monitoring, Santa Barbara Municipal Airport, Goleta, California.** Assisted in conducting vegetation transects at several coastal restoration sites in May and September 2009, October 2010, and April 2011. The restoration sites provided mitigation for several construction projects occurring on airport property in the previous decade.

**Belding's Savannah Sparrow Surveys, Santa Barbara Municipal Airport, Goleta, California.** Participated in surveys at Goleta Slough at the Santa Barbara Municipal Airport for Belding's savannah sparrow, a state endangered subspecies, in May 2001, May 2006, and May 2009. These surveys were conducted as part of various projects, including statewide monitoring of the species' population and baseline surveys for several airport projects.

**Santa Barbara Airport Tidal Circulation Project, Santa Barbara Municipal Airport, Goleta, California.** Participated in a project at Goleta Slough at the Santa Barbara Municipal Airport, assessing potential bird-strike impacts resulting from restoration of tidal circulation in parts of the estuary isolated by berms and blocked culverts. Designed and conducted bird surveys for baseline and experimental phase surveys from March 2001 to November 2008. Tidal restoration was proposed as mitigation for several projects occurring on airport property, and analysis of potential bird-strike issues was initiated to satisfy concerns of the Federal Aviation Administration.

#### **Water/Wastewater**

**Solvang Wastewater Treatment Plant Revegetated Slope Protection, Penfield & Smith, Solvang, California.** Subcontracting under Penfield & Smith, from August to November 2012, conducted field surveys and prepared a biological resources report for a project proposed to protect City of Solvang facilities within and adjacent to the Santa Ynez River from long-term effects of erosion during high flows. Conducted a wetland delineation, completed a habitat assessment for endangered species, prepared a jurisdictional determination, and wrote an assessment of biological resources and project impacts.

**Moon Ditch Monitoring, Ventura County Watershed Protection District, Ventura, California.** Assisted in construction monitoring of improvements to a trapezoidal concrete ditch from November 2011 to January 2012, including monitoring of five water quality parameters, and made minor contributions to Dudek project reporting.

**Morro Bay-Cayucos Wastewater Treatment Plant Upgrade, City of Morro Bay, California.** In summer and fall 2011, provided analysis of potential biological constraints during the evaluation of alternatives for the upgrade of the treatment plant. During a rough-screening of 11 sites, provided a desktop analysis of potential special-status species occurrences related to each site. During the fine-screening process, which focused on four sites that remained in consideration, visited the sites, recorded information on biological resources, and wrote a report on the biological constraints associated with each of them, including special-status plant and wildlife species and their habitats, sensitive natural communities, other native vegetation communities, and jurisdictional resources. The analysis focused on resources highlighted in the County of San Luis Obispo and City of Morro Bay Local Coastal Programs.

**Algae Monitoring, Ojai Valley Sanitary District, Ventura River, Ventura, California.** In 2009–2010, assisted in monitoring the presence of algae as an indicator of the effects of sewage effluent on water quality and in preparation of an annual report for the project.



# Tricia Wotipka

## Environmental Specialist, Biologist

Tricia Wotipka is an environmental specialist and biologist with over 14 years' professional experience as an environmental planner and biologist specializing in wetland delineations, environmental permitting, data collection and biological resources impact analyses, biology-related California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents, and special-status species surveys. Ms. Wotipka has extensive experience with public and private clients providing permitting for a variety of projects, including flood control, water and wastewater utilities, transportation, and conservation planning projects. She has served in a variety of project management and lead analyst roles for a diverse client base of public agencies, including cities, counties, special districts, and joint powers authorities, as well as private entities such as land developers. Ms. Wotipka is experienced with Southern California flora and fauna, and is well versed on current environmental regulations. Combining her expertise in biological resources and regulatory permitting with in-depth understanding of how environmental regulations interrelate, Ms. Wotipka helps clients prepare a strategic approach to permitting and documentation for greater project advancement and cost-effectiveness.

### EDUCATION

Pennsylvania State University  
BS, Wildlife and Fisheries Science, 2000

### CERTIFICATIONS

USFWS Quino Checkerspot Butterfly 10(a)  
Permit No. TE840619-0 (Issued  
December 2008)

USFWS Gnatcatcher 10(a) Permit No.  
TE840619-1 (Issued  
December 2008)

CDFW Rare, Threatened, and Endangered  
Plant Voucher Collection Permit No. 2081  
(a)-08-04-V (Issued October 2008)

### PROFESSIONAL AFFILIATIONS

American Birding Association

Society of Wetland Scientists

Women's Environmental Council, Secretary  
(2001), Newsletter Chair (2002)

## Project Experience

**Newhall Ranch Project, Newhall Land and Farming, Inc., Los Angeles and Ventura Counties, California.** Conducted focused surveys for sensitive plant species, including the state-listed San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*), between 2002 and 2006 on up to 16,000 acres. Implemented and participated in the San Fernando Valley spineflower seed collection from nine different occurrences in 2002 for future pollination studies. Conducted vegetation mapping and a jurisdictional wetlands delineation and oversaw tree inventory surveys on over 260 acres. Prepared and processed verification request letters with the California Department of Fish and Wildlife (CDFW) and U.S. Army Corps of Engineers (ACOE) in accordance with the Natural River Management Plan, a program that addresses various flood control improvements, drainage facilities, and new and/or widened bridge projects along portions of the Santa Clara River, San Francisquito Creek, and Castaic Creek in Los Angeles County.

**Malibu Parks LCPA / PWP, Mountains Recreation & Conservation Authority, Malibu, California.** Conducted vegetation mapping on four separate state parks, totaling over 300 acres, owned and managed by the Santa Monica Conservancy for the purposes of siting proposed campground facilities and trail connectors in the City of Malibu. Prepared a biological resources technical report for the City of Malibu and the California Coastal Commission in support of a Local Coastal Plan (LCP) amendment.

**Parcel No. 129 Hollister Ranch, Jacqui Parish, Santa Barbara, California.** Conducted biological investigations and prepared a biological resources technical report for County of Santa Barbara review and approval for a proposed employee residence and agricultural facilities with associated infrastructure and road improvements on a portion of Parcel 129 within Hollister Ranch



**Cabrillo Business Park, Sares-Regis Group, Goleta, California.** Served as a team biologist and lead wetlands permitting specialist for a research and development/industrial park, which at full build-out will be composed of over 1 million square feet, covering a 92-acre site. On-site constraints included wetlands and archaeologically sensitive areas. Project required coordination with CDFW, ACOE, Regional Water Quality Control Board (RWQCB), Santa Barbara County Airport Land Use Commission, and Federal Aviation Administration.

**Miramar Hotel Facility Redevelopment CEQA Documentation, Caruso Affiliated, Montecito, California.** Served as lead biologist for the renovation and development of the 14.39-acre Miramar Hotel facility. Project included a 213-room hotel facility, beachside café, restaurant, bar, banquet hall area, and a health club/spa. Conducted biological resource investigations, and prepared a biological technical resources report in support of CEQA documentation for the proposed redevelopment.

**San Pedro/Las Vegas Creeks Improvement, County of Santa Barbara, California.** Conducted vegetation mapping, a wetlands delineation, and a habitat assessment within the proposed study area, which includes two roughly 1,000-foot-long stretches of Las Vegas and San Pedro creeks. Provided quality assurance and quality control for the environmental document for the proposed capacity improvements at both creek crossings at Calle Real, Highway 101, and the Union Pacific Railroad bridges. Coordinated with multiple agencies and organizations, including the California Department of Transportation (Caltrans), ACOE, CDFW, RWQCB, U.S. Fish and Wildlife Services (USFWS), and National Marine Fisheries Service, regarding environmental permitting strategies. Project involves extensive coordination with Caltrans, City of Goleta, and City of Santa Barbara.

**Bacara Resort Environmental Impact Report (EIR), City of Goleta, Santa Barbara County, California.** Served as the lead biologist for a 54-unit, condominium-hotel resort development in coastal Goleta. Conducted biological investigations, a wetland delineation, rare plant surveys, and California red-legged frog surveys for the project. Prepared a biological technical resources report in support of CEQA documentation.

**Willow Springs Residential Development, The Towbes Group, Goleta, California.** Conducted biological investigations and an analysis of Environmentally Sensitive Habitat Areas (ESHAs).

**Kellogg Industrial Park, City of Goleta, Santa Barbara County, California.** Performed biological investigations and an analysis of ESHAs for a proposed industrial land division to develop parcels for future development requiring use of reasonable worst-case projections for impacts on traffic, air quality, agricultural resources, and biological resources.

**Ventura Road and Vineyard Avenue Project EIR, City of Oxnard, California.** Conducted biological investigations and prepared a biological technical resources report in support of CEQA documentation for a 344-unit residential development on over 23 acres.

**Chapala One Project, Chapala One Homeowners Association, Santa Barbara, California.** Assisted in the permit processing of a mixed-use project in the City of Santa Barbara (401 and 415 Chapala Street and 120 West Gutierrez Street). The project consists of a four-story, 99,800-square-foot, mixed-use project that includes 10,400 square feet of general office/retail uses; 46 (35 market and 11 affordable) studio, one-bedroom, and two-bedroom residential units; and parking for 72 automobiles.



Dos Pueblos High School Improvements, Santa Barbara High School District (SBHSD), Goleta, California. Assisted in the environmental review and permit coordination for the SBHSD for the construction of new and replacement facilities at Dos Pueblos High School, including improvements to the football stadium, a new performing arts center, swimming pool replacement, drainage improvements, and habitat restoration. Specific tasks included conducting a preconstruction biological reconnaissance/field survey, coordinating with CDFW staff on revised permit conditions for a Streambed Alteration Agreement, and coordinating long-term biological/environmental monitoring in the field to verify compliance with permit conditions. Impacts to sensitive riparian habitats and oak trees were primary considerations, as was the diligent application of herbicides due to the close proximity of schoolchildren.

Dos Pueblos Golf Links, Makar Properties, LLC, Goleta, California. Conducted biological surveys of the 202-acre project site, including vegetation mapping, a jurisdictional wetlands delineation, and focused surveys for sensitive plant species. Project-related issues included the Migratory Bird Treaty Act and the California Coastal Act.

### Related Coursework

Wetland Training Institute "Arid West Regional Wetland Delineation Supplement" Course –August 13, 2007.

Wetland Training Institute "Arid West Regional Supplement Field Practicum" Course –August 12, 2009.

# Craig Seltenrich

## Senior Aquatic Ecologist

Craig Seltenrich is a senior ecologist with over 35 years' experience in the field of aquatic sciences, including marine and freshwater ecology, fisheries biology, amphibian ecology, and benthic macroinvertebrates and freshwater algae. He has extensive knowledge and experience in amphibian and fisheries ecology as well as benthic macroinvertebrates and freshwater algae, and has designed and conducted numerous studies for evaluating potential impacts on special-status amphibians and fish throughout central and northern California.

He has managed and prepared Endangered Species Act Biological Assessments and participated in Section 7 consultations for spring- and winter-run Chinook salmon, steelhead rainbow trout, California tiger salamander, and California red-legged frog. He also has experience preparing environmental impact reports/ environmental impact statements, National Environmental Protection Act/California Environmental Quality Act documentation, initial study/negative declaration reports, and Natural Environment Studies.

### Selected Project Experience

**Coastal Steelhead and Coho Salmon Population Assessment and Enhancement Plan, Gualala River Estuary, Mendocino County, California.** Mr. Seltenrich provided technical advice, data analysis, and preparation of the final report for a two-year juvenile coastal steelhead and coho salmon population assessment and enhancement plan in the Gualala River Estuary. Potential effects of stream restoration activities on juveniles of both species were also evaluated.

**Dick Cook Bridge Replacement Biological Assessment, Placer County Department of Public Works, California.** Mr. Seltenrich prepared a Biological Assessment for the NMFS for Central Valley steelhead and critical habitat in Miners Ravine Creek associated with the removal and replacement of the existing bridge. In addition, he conducted a California red-legged frog site assessment and prepared a formal habitat assessment report.

**Aliso Creek Steelhead Rainbow Trout Surveys, Subconsultant to Dudek, Orange County, California.** Mr. Seltenrich contracted with Dudek to conduct an assessment of a 3.6-mile reach of Aliso Creek. The surveys were conducted to assess presence/absence of steelhead, identify potential barriers to fish movement, evaluate spawning substrates, and collect standard water quality data. Mr. Seltenrich was the project and field manager and wrote the resulting report.

**Power House Aggregate Expansion Project, Granite Construction, Butte County, California.** Mr. Seltenrich conducted a detailed analysis of the potential impacts to spring-run and fall-run Chinook salmon, Central Valley steelhead, and green sturgeon, associated with a proposed floodplain pit mining operation as part of CEQA/NEPA requirements for the project.

### EDUCATION

Humboldt State University  
MS, Marine Ecology, 1979  
BS, Natural Resource Sciences, 1977

### CERTIFICATIONS

American Institute of Fisheries Research  
Biologists – Certified Fisheries Scientist  
Scientific Collecting Permit, California No.  
SC-004002

U.S. Fish and Wildlife Service Federal 10a  
Survey Permit No. TE-012973-7

California Tiger Salamander  
California Red-Legged Frog

### PROFESSIONAL AFFILIATIONS

American Institute of Fishery  
Research Biologists

Society for the Study of Amphibians  
and Reptiles

American Fisheries Society  
Salmonid Restoration Federation



Napa River Salt Ponds and South Bay Salt Ponds Fish Tagging Projects, San Francisco and San Pablo Bays, California. Mr. Seltenrich assisted in the preparation of a management and study plan for tagging and monitoring wild steelhead trout smolts to assess usage in restored and engineered tidal habitats in north and south San Francisco Bay.

# Heather Moine

## Environmental Scientist/Biologist

Heather Moine is an environmental scientist/biologist with 7 years' experience performing special-status species surveys, nesting bird surveys, general biological assessments, biological monitoring, habitat restoration, construction monitoring, wetlands delineations, water quality sampling, permit preparation and implementation, and California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) document preparation. In addition, Ms. Moine has experience preparing habitat restoration plans, U.S. Fish and Wildlife Service (USFWS) biological assessments, biological technical reports, due diligence/biological constraints reports, initial study biological assessments specific to the County of Ventura, nesting bird letter reports, watershed plans, annual restoration monitoring reports, invasive species management reports, focused special-status species reports. She has performed wetland delineations for the U.S. Army Corps of Engineers (ACOE), Regional Water Quality Control Board (RWQCB), California Department of Fish and Wildlife (CDFW), and California Coastal Commission jurisdictions, and prepared associated wetland delineation reports.

### EDUCATION

University of California, Santa Barbara  
BS, Environmental Studies, 2005

### PERMITS

Section 10(a)(1)(A) USFWS Recovery Permit  
No. TE-60147A-0 to Handle Listed Vernal  
Pool Branchiopod Species

CDFW Voucher Collecting Permit No.  
2081(a)-12-08-V to Collect Voucher  
Specimens of State-Listed Plants

CDFW Scientific Collecting Permit No. SC-  
11327 to Collect Voucher Specimens of  
Listed Vernal Pool Branchiopods

### PROFESSIONAL AFFILIATIONS

The Wildlife Society

California Native Plant Society

### CERTIFICATIONS

NAUI Open Water SCUBA

## Project Experience

### Development

**Rare Plant Surveys, Seed Collection, and Biological Construction Monitoring, Cabrillo Business Park, Goleta, California.** Performed rare plant surveys, seed collection, and biological construction monitoring in support of the Los Carneros Road Widening portion of the Cabrillo Business Park project. Seeds were preserved for incorporation into the on site wetland and upland restoration. Surveys followed the City of Goleta Conditions of Approval, CDFW 1600 permit, RWQCB 401 permit, ACOE 404 permit, and Conceptual Wetland and Upland Restoration and Mitigation Plan.

**Pre-Construction Survey for California Red-legged Frog along Highway 154, Granite Construction, Santa Barbara County, California.** Performed a daytime survey and habitat assessment for California red-legged frogs (*Rana draytonii*) along a portion of Highway 154 prior to construction. California red-legged frogs had been historically found within a 10-mile radius of the construction site.

**Vegetation Mapping, Rare Plant Surveys, Burrowing Owl, and American Badger Surveys, Newhall Land and Farming, California.** Performed vegetation mapping, rare plant surveys, burrowing owl surveys, and American badger surveys as an ongoing effort to identify sensitive biological resources and develop a conservation strategy. Assisted in plant surveys to document the extent of and conditions of spineflower populations.

**Environmental Services for the Hollister Village Project, Goleta, California.** The proposed Westar Mixed-Use Hollister Village Project is located on a 23.558-gross acre site at 7000 Hollister Avenue within the Inland Zone of the City of Goleta. Elements of the project include demolition of the existing 9,546



square feet of development consisting of a television studio and drive-thru ATM facilities and construction of 274 multifamily residential apartment units on the northern portion of the site, and 88,704 square feet of commercial space (including community shopping center and five additional residential live/work condominium units) on the southern 9.765 net acres of the site. Dudek task included: CEQA/NEPA document review, environmental constraints analysis, wetland Delineation, Clean Water Act permitting, and focused southern tarplant survey.

### Education

**Raptor and Bird Nesting Surveys for UCSB, Santa Barbara, California.** UCSB contracted with Dudek to provide biological services involving Raptor and Bird Nesting Surveys for its Long Range Development Plan Environmental Impact Report (LRDP EIR) and in accordance with standards established by the California Coastal Commission (CCC).

**Biological Surveys, for UCSB, Santa Barbara, California.** UCSB contracted with Dudek in to provide Biological Resource Surveys for its Long Range Development Plan Environmental Impact Report (LRDP EIR) and additionally for requirements specified by the California Coastal Commission (CCC). After conducting an introductory visit of each survey area with UCSB staff, Dudek biologists completed field surveys to map special-status plants and wetlands in accordance to USFWS, CDFW, CNPS, and CCC guidelines.

**Nesting Bird Survey, UCSB, Santa Barbara, California.** Performed multiple pre-construction nesting bird surveys on the campus of UCSB. Surveyed trees and vegetation planned for removal. Survey included visually observing trees and vegetation by eyesight and with binoculars. Areas surrounding the trees and vegetation were surveyed for evidence of nesting birds such as feathers, scat, and eggshell fragments. Most bird species, especially those that are breeding or migrating, or of limited distribution, are protected under federal and state regulations. Under the Migratory Bird Treaty Act of 1918 (16 USC 703–712), migratory bird species and their nests and eggs are protected from injury or death; these species are listed on the federal list (50 CFR 10.13). Project-related disturbances must be reduced or eliminated during the nesting cycle. California Fish and Game Code Subsections 3503, 3503.5, and 3800 prohibit the possession, incidental take, or needless destruction of birds, their nests, and eggs. Surveys included searching radius of 300 feet for all nesting birds and a radius of 500 feet for nesting raptors. Results of the nesting bird surveys were provided in letter reports.

**Santa Barbara City College Biological Studies, Santa Barbara, California.** Dudek provided biological services supporting permitting and mitigation for a development constructed, without California Coastal Commission (CCC) review, within an area designated as environmentally sensitive habitat under the College Long Range Development Plan – Public Works Plan (LRDP-PWP). The unpermitted development occurred within a row of eucalyptus trees that had been included in a southern oak woodland sensitive habitat. Dudek worked with CCC staff to assess habitat values of the removed eucalyptus trees and the existing oak woodland and helped devise a plan for mitigating impacts of the development. Dudek's biological services included: an analysis of LRDP-PWP policies and historical evidence of habitat conditions, an assessment of the area as habitat for raptors and other sensitive bird species and as a wildlife corridor, an assessment of past impacts within the remaining oak woodland from project construction, wintering raptor surveys, and preparation of an oak woodland restoration plan as mitigation.

### Energy

**Calle Real Photovoltaic Habitat Restoration Plan, Endelos Energy, Santa Barbara County, California.** Prepared a coastal sage scrub habitat restoration plan required under the Calle Real



Photovoltaic Project MND mitigation monitoring and reporting program for project-related impacts to the native shrub habitat. Coastal sage scrub habitat within the project boundary is considered environmentally sensitive habitat under the Goleta Community Plan and requires mitigation. The habitat restoration plan was developed to identify coastal sage scrub replacement areas, methods for installation, maintenance, and monitoring, as well as success criteria to achieve “no net loss” of habitat and habitat function values.

### **Municipal**

**Wetlands Inventory and Special-Status Species Inventory, Santa Barbara Municipal Airport, California.** Dudek provided environmental support services for the City of Santa Barbara’s Airport Master Plan/Aviation Facilities Plan project. Performed a wetland inventory and special-status species inventory to identify resources to assist in developing the Airport Master Plan/Aviation Facilities Plan to reduce impacts to sensitive biological resources. Dudek performed a search of the extensive literature on airport natural resources, conducted field surveys, including update of vegetation mapping, jurisdictional delineation, and general biology, prepared an inventory of plant and wildlife species and habitat for the entire airport, and prepared a delineation and jurisdictional determination report.

**El Estero Wastewater Treatment Plant’s Tertiary Filtration Replacement and Secondary Treatment Projects, City of Santa Barbara, California.** Dudek provided support for California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) permitting of a City of Santa Barbara Project. The City seeks to make internal non-structural improvements to existing wastewater treatment plant reactor basins and demolish and rebuild a microfiltration (MF)/ultrafiltration (UF) tertiary treatment building. The plant is located near the Santa Barbara waterfront and along the Laguna Channel, and therefore near sensitive riparian habitat and habitat for the tidewater goby, federally listed as endangered. Dudek biologists provided a biological assessment for the site, as well as performing other tasks under requirements of an existing CDFW Streambed Alteration Agreement (SAA). Biology tasks included: vegetation mapping, assessment of habitat for special-status plant and wildlife species, preparation of the biological assessment based on field surveys, assessment of potential impacts to the federally endangered tidewater goby from Project changes related to stormwater recycling, installation of willow stakes under SAA requirements, pre-construction nesting bird surveys, and construction monitoring.

**Biological Assessment and Natural Environment Study-Minimal Impacts (NES-MI) Preparation for the Alisal Bridge, City of Solvang, California.** Performed a general wildlife and botanical survey and jurisdictional determination of the Santa Ynez River that occurs within the project biological survey area. Recorded all plant and animal species observed, mapped the limit of riparian vegetation, assess the site for suitability of habitat for special-status species, and performed a jurisdictional determination to map the extent of any wetlands and jurisdictional streams to prepare a NES-MI according to Caltrans biological resource guidelines.

**Habitat Mitigation and Monitoring, Pre-Construction Monitoring, and Construction Monitoring, Borchard Road and Route 101 Drainage, City of Thousand Oaks, California.** Dudek is on contract with the City of Thousand Oaks for on-call professional engineering and environmental services. For the Borchard Road and Rout 101 Drainage project Dudek conducted pre-construction nesting bird surveys and habitat surveys prior to the start of construction to identify protected resources. Surveys were conducted in accordance with the California Department of Fish and Game Streambed Alteration Agreement. Coordination was performed with the City of Thousand Oaks, Caltrans, and the on-site construction contractor.



### Resource Management

**Rare Plant Surveys, County of Santa Barbara, California.** Conducted rare plant surveys at two proposed development sites within Santa Barbara County. Surveys were conducted over several days and required identification of all plant species within each site. Contributed to reports generated for the projects, including plant identification and impacts assessment.

**Bacara Consent Orders Project, Goleta, California.** Dudek assisted current and former owners of the Bacara Resort, west of Goleta, California, in addressing California Coastal Commission concerns over installation of a wedding and event venue, in violation of provisions of the Coastal Development Permit (CDP) issued for construction of the resort. Biological issues involved removal of sensitive native vegetation and eucalyptus trees that potentially served as raptor nesting habitat and monarch butterfly roosting habitat. Working with the owners and the California Coastal Commission, and balancing restoration concerns with cultural concerns also associated with the site, Dudek developed parameters of a Restoration Plan. Based on these parameters, Dudek developed the Bacara Consent Restoration Plan, which: incorporated cultural concerns with respect to removal of unpermitted materials, outlined requirements for restoration and enhancement of the affected native habitat, and provided for additional on-site and off-site mitigation.

### Water/Wastewater

**Water Quality Monitoring/Biological and Best Management Practice (BMP) Compliance at Moon Ditch and Wason Barranca, Ventura County Watershed Protection District, Ventura, California.** Performed water quality monitoring, biological and BMP compliance, and reporting required under the Los Angeles (Region 4) RWQCB Clean Water Act Section 401 Water Quality Certification for the Moon Ditch and Wason Barranca project. The purpose of the project was to repair and replace the damaged concrete trapezoidal channel walls, repair cracks, and improve drainage systems behind the channel walls. Since surface water was present in the project area, upstream and downstream monitoring was implemented for the following: pH, temperature, dissolved oxygen, turbidity, and total suspended solids. In addition, the project site was regularly checked for biological and BMP compliance and results were discussed with the on-site Ventura County Watershed Protection District inspector. Monitoring results were incorporated into monthly monitoring reports for submittal to the RWQCB.

**Biological Surveys and Impact Analysis, Solvang Wastewater Treatment Plant, Solvang, California.** Dudek subcontracted to Santa Barbara-based civil engineering firm Penfield & Smith to provide biological services for the City of Solvang's Wastewater Treatment Plant (WWTP) Reinforced Vegetated Slope Protection Project, located in City. The City installed a system of piles and cables that are expected to promote bank stabilization adjacent to the WWTP by capturing debris and sediment and promoting revegetation of the surrounding area. Dudek's biological tasks have included the following for the project: general biological survey and vegetation mapping, jurisdictional delineation, informal agency consultation, biological assessment and jurisdictional determination report, permitting support, special-status species surveys and survey report, preparing a habitat mitigation and monitoring plan, preparing a species protection plan and a relocation out of harm's way plan, construction monitoring, and restoration monitoring.



# Johanna Page

## Biologist

Johanna Page is a biologist with extensive experience in field assessments and permitting. Comprehensive scientific knowledge of California ecosystems and associated protected biological resources. Expertise in relevant local, state, and federal laws and regulations. Adept at planning and executing habitat assessment and surveys. Excited by challenge of research and experimentation. Adaptable, analytical, diligent, and creative.

## Project Experience

**Southern California Edison, Monrovia, California.** Senior Biologist (2006 – Present). Manage biological resources for numerous capital projects and company programs throughout Southern California Edison service territory. Conduct habitat assessments and field surveys. Perform and direct biological surveys, biological reports, minimization measures, and environmental trainings. Plan, lead, and contribute to ensure company is compliant in construction projects. Provide written requirements as clearance to begin construction on project. Ensure company is compliant with all local, state, and federal laws/regulations pertaining to biological resources. (Additional project highlights provided upon request.)

- Developed nesting bird strategy on Kimball Substation Project in collaboration with wildlife resource agencies (California Department of Fish and Wildlife and US Fish and Wildlife Service). Partnered with agency representatives to determine major concerns with regards to nesting birds. Ensured that communication guidelines and regular reporting were upheld with resource agencies.
- Gained confidence of agencies to allow company to self-manage buffers associated with nesting birds and worked with resource agencies on buffers of major concern (special-status species and raptors).
- Selected as lead SCE Biologist on San Joaquin Cross Valley Loop Transmission Project. Managed biological surveys and reporting. Ensured compliance with biological measures in environmental impact report. Acquired biological permitting. Oversaw construction activities and mitigation requirements.
- Designed and implemented comprehensive environmental training programs.

**USDA Forest Service Gooseneck Ranger District, Macdoel, California.** Wildlife Biological Technician (5/2005 - 8/2005). Observed and located nesting habitat of northern spotted owls (*Strix occidentalis caurina*) in Klamath National Forest. Conducted night surveys and daytime follow-ups to determine status of northern spotted owls taking into account offspring survival. Conducted additional surveys on other Federal Protective Status bird species, including northern goshawks (*Accipiter gentilis*), bald eagles (*Haliaeetus leucocephalus*), and golden eagles (*Aquila chrysaetos*). Utilized maps and compasses.

- Contributed to identification of northern goshawk and northern spotted owl nests undocumented for many years prior.

**California Wildlife Center, Malibu, California.** Wildlife Rehabilitation Volunteer (8/2002 - 1/2003). Handled and cared for wide array of wildlife species. Collaborated with local veterinarians in rehabilitating injured wildlife back to health in preparation for release into wild. Aided with feeding and dispensing of medication.

**Arizona Game and Fish Department, Mesa, Arizona.** Field Research Volunteer (5/2000 - 8/2000). Aided in data collection for research concerning increasing upper respiratory tract diseases among Sonoran

## EDUCATION

Humboldt State University

BS, Biology, 2005

Moorpark College

AA, Liberal Arts, 2003

## PROFESSIONAL AFFILIATIONS

California Native Plant Society

National Audubon Society

The Wildlife Society



desert tortoises (*Gopherus morafka*). Utilized tracking devices and GPS units through rocky terrain at high elevations. Assisted with data analysis and research.

Center for Native and Urban Wildlife, Scottsdale, Arizona. Environmental Research Assistant (11/1999 - 8/2001). Facilitated establishment of center. Conducted germination research and native seed collection for local restoration projects. Managed propagation yard and conducted research studies on plant growth.

### Professional Development

- Vernal Pool Fairy Shrimp Workshop, San Luis Obispo (2012)
- Endangered Species Regulation and Protection Workshop, Sacramento (2012)
- Implementing Habitat and Natural Communities Workshop, Sacramento (2011)
- Sensitive Small Mammal Species of the San Joaquin Valley, Bakersfield (2010)
- California Tiger Salamander Workshop, Watsonville (2010)
- Avian Interactions with Power Lines Workshop, Arlington, Virginia (2010) and South Bay, California (2009)
- Water Permitting Workshop, South Bay (2009) and Rosemead (2008)
- Bat Ecology and Field Techniques, Carrizo Plains (2008)
- Burrowing Owl Consortium, Antelope Valley (2007)
- Desert Tortoise Surveying, Monitoring, and Handling Techniques Workshop, Ridgecrest (2006)

### Regulatory Expertise

- Federal and State Endangered Species Acts, Migratory Bird Treaty Act (MBTA)
- Bald and Golden Eagle Protection Act (BGEPA)
- California Fish and Game Code
- California Environmental Quality Act (CEQA)
- National Environmental Policy Act (NEPA)
- Lake and Streambed Alteration Agreement, and Clean Water Act
- Excellence Under the Stars
- Center for Native and Urban Wildlife (4/2001)

# Traci Caddy

## Wildlife Biologist

Traci Caddy is a wildlife biologist with over 6 years' professional research and fieldwork experience, specializing in special-status species surveys, general plant and wildlife surveys, biological monitoring, and preparation of biological technical reports.

Ms. Caddy has performed numerous and varied biological surveys in Inyo, San Bernardino, Santa Barbara, Ventura, Merced, Stanislaus, San Joaquin, Los Angeles, Riverside, and Kern Counties, including focused surveys for special-status wildlife species and nesting birds. She has a permit to survey for the federally listed threatened California gnatcatcher (*Polioptila californica*). She has a wide range of biological survey experience, including rare plant surveys, vegetation mapping, acoustical bat surveys, raptor and nesting bird surveys, mammal surveys (including San Joaquin kit fox (*Vulpes macrotis mutica*), ringtail (*Bassariscus astutus*), and badger), and amphibian surveys (including pond turtle, red-legged frog (*Rana draytonii*), arroyo toad (*Bufo californicus*), and yellow-legged frog (*Rana muscosa*)).

### EDUCATION

Humboldt State University  
BS, Wildlife Management and  
Conservation, 2005

### CERTIFICATIONS

USFWS Recovery Permit No.  
TE 211097-0

### TRAINING

California Tiger Salamander Workshop:  
Elkhorn Slough Coastal Training  
Program, 2012

Rare Pond Species Survey Techniques  
Workshop, March 2010

Sonoma State University, California  
Instructor: Dave Cook  
Desert Tortoise: Introduction to Surveying,  
Monitoring, and Handling Techniques,  
November 2010

## Project Experience

### Development

Ferro Ditch Channel Improvements Project, Ventura County Watershed Protection District, Ventura, California. Conducted general biological surveys and a wetland delineation in summer 2011.

Paradiso del Mare/Dos Pueblos Naples, CPH Dos Pueblos Associates, Goleta, California. Participated in floristic surveys, including southern tarplant (*Centromadia parryi* ssp. *australis*) and native grassland vegetation mapping on two adjacent sites totaling approximately 200 acres. Performed population counts and point-intercept transects.

Special-Status Species Surveys, Bacara Resort and Spa, Santa Barbara, California. Served as a wildlife biologist for Bacara Resort and Spa. Conducted general biological surveys and focused wildlife surveys within the 10.3-acre area located on the Bacara Resort and Spa property. Conducted surveys for California red-legged frog, western pond turtle (*Actinemys marmorata*), least Bell's vireo, and nesting raptors. Red-legged frogs were found present on site. Project conducted from 2008 to 2009.

### Energy

Power Pole Installation and Replacement Projects, Southern California Edison (SCE), Los Angeles, Santa Barbara, Tulare, and Kern Counties, California. Serves as a field biologist for various power pole installation and replacement projects. Conducts field surveys to identify and collect biological resource data along power line corridors prior to improvement activities. Completes post-survey reports detailing the findings of surveys and conducts research specific to project locations, including California Natural Diversity Database figures and special-status species occurrence data.



**General Assessment of Habitat and Focused Plant Survey Results for the Santa Barbara Deteriorated Pole Project, Concepcion Circuit, Hollister Ranch, County of Santa Barbara, California.** Served as a field biologist and biological monitor for the deteriorated pole replacement project. Conducted general biological investigations and focused surveys within environmentally sensitive habitat for the federally endangered species Gaviota tarplant (*Hemizonia increscens* ssp. *Villosa*) along the Concepcion 16-kV distribution line. Biologist on rare plant surveys, vegetation mapping, and construction monitoring intended to repair, upgrade, and replace facilities to ensure service reliability.

**As-Needed Biological Services, SCE, San Bernardino Mountains, California.** Conducted arroyo toad, California red-legged frog, and Mountain yellow-legged frog surveys within the San Bernardino Mountains throughout 2009 and 2010. No special-status species were observed during surveys. Provided as-needed biological services, including biological assessments, monitoring, and preparation of biological technical reports for various projects throughout Southern California.

### Resource Management

**Arroyo Simi Bank Stabilization Project, City of Simi Valley, Ventura County, California.** Served as the biological and regulatory compliance monitor for the bank stabilization and restoration project. Responsible for monitoring of construction in Arroyo Simi Creek to repair and stabilize the creek bank. Participated in pre-construction meetings with stakeholders to coordinate project activities to avoid impacts to biological resources. Performed daily site visits to ensure compliance with regulatory agency requirements and weekly progress meetings to ensure project compliance.

**Angeles National Forest Station Fire Biological Monitoring, SCE, Los Angeles County, California.** Served as a biological monitor for road repair project. Following wildfire damage, performed biological and regulatory compliance monitoring of road repair activities on U.S. Forest Service lands. Coordinated with heavy-equipment operators to ensure that sensitive resources were not impacted during necessary construction and repair activities. Consulted with SCE biologists to maintain compliance with regulatory agency permits.

**Hahamongna Watershed Park Project, City of Pasadena, Los Angeles County, California.** Conducted focused surveys for amphibians within Hahamongna Watershed Park. Conducted arroyo toad, California red-legged frog, and Mountain yellow-legged frog surveys. No special-status species were identified during surveys. Project conducted 2009–2010.

**Newhall Ranch Specific Plan, Newhall Land and Farming Company, Los Angeles and Ventura Counties, California.** Conducted focused surveys for the state-listed endangered San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*). Performed population counts and point-intercept transects. Conducted focused surveys for California gnatcatcher and conducted acoustical bat monitoring surveys for a range of special-status bat species. Surveys conducted 2009–present.

### Water/Wastewater

**Well Field Electrical Repair and Installation Project, Santa Ynez River Water Conservation District, Improvement District No. 1, Santa Ynez, Santa Barbara County, California.** Conducted biological resource monitoring during repairs and installation in the Santa Ynez watershed.



# Randall McInvale

## Planner II/Habitat Restoration Specialist

Randall McInvale is a planner II/habitat restoration specialist with 5 years' experience working on biological resource surveys and habitat restoration projects. He has been involved in a variety of restoration projects for wetlands creation and

### EDUCATION

University of California, Davis BS,  
Environmental Biology and Management, 2006

enhancement, upland habitat restoration, salt marsh wetlands, and sensitive plant and animal species. Mr. McInvale has experience conducting biological resource surveys, environmental assessments, vegetation mapping, and sensitive plant and wildlife surveys throughout Northern and Southern California. He has knowledge of geospatial analysis, including Global Positioning Systems (GPS) and geographical information systems (GIS), technical report writing, and permit applications. He is currently working on a variety of biological/compliance monitoring and habitat restoration projects in several capacities at Dudek.

## Project Experience

### Development

**Newhall Ranch Project, Newhall Land and Farming Company, Counties of Los Angeles and Ventura, California.** Participated in rare plant surveys for San Fernando Valley spineflower (*Chorizanthe parryi* var. *fernandina*) and slender mariposa lily (*Calochortus clavatus* var. *gracilis*), along with several other rare plant species. Assisted with the collection of baseline data for the Middle Canyon Spring complex including stream flow, soil characteristics, groundwater sampling, and leaf-area index (LAI) data collection. Responsible for report preparation documenting LAI data collection for the long-term monitoring program. Assisted with the production of several conceptual mitigation plans for proposed impacts to U.S. Army Corps of Engineers (ACOE), California Department of Fish and Game (CDFG), and Regional Water Quality Control Board (RWQCB) jurisdictional areas. Serves as the habitat restoration specialist for several active mitigation projects which includes coordination with habitat restoration contractors on site preparation, irrigation system installation, and plant material installation. Conducts on-going long-term monitoring of mitigation/restoration projects associated with current projects. Compiles quarterly and annual reports for the client and resource agencies.

**Tejon Mountain Village, Tejon Mountain Village LLC, Kern County, California.** Served as the on-site biological and regulatory compliance monitor for the Beartrap Turnout Improvement Project, which is the first phase in the construction of the Tejon Mountain Village (TMV) development. Participated in pre-construction meetings and provided environmental awareness training to the construction contractors, including compliance information associated with regulatory agency permits and the TMV environmental impact report. Coordinated with the construction contractor on project revisions and assisted in the acquisition of a permit amendment from CDFG for changes to the project description. Responsible for production of post-construction reports and as-built construction drawings.

**Bacara Resort and Spa, City of Goleta, Santa Barbara County, California.** Served as a field biologist for the Bacara Resort and Spa expansion project. Performed a rare plant survey as well as vegetation mapping of the proposed Bacara expansion project site. Assisted with the production of a biological technical report detailing the results of plant and wildlife surveys conducted on the project site.

### Energy

**In-House Consulting Biologist, Southern California Edison (SCE), Los Angeles, Santa Barbara, Ventura, Tulare, Kern, and San Bernardino Counties, California.** Served as an in-house consultant for



SCE in the Operations and Maintenance (O&M) group within the Corporate Environmental Health and Safety (CEH&S) division for 18 months. Responsible for biological review of all O&M projects with potential to impact biological resources in three of eight SCE service regions. Served as environmental lead in two of the regions and was responsible for issuing environmental compliance requirements to field crews and for coordination with project planners and field crews on potential impacts and project schedules. Led training sessions for SCE and contractor crews on resource protection both in the office and in the field. Participated in regional project coordination meetings with construction coordinators, managers, engineers, and field crews. Aided with project design to reduce impacts to environmental resources. Worked closely with other SCE and in-house consulting staff including archaeologists, engineers, and permitting specialists within CEH&S to ensure regulatory compliance on all projects.

**Power Pole Installation and Replacement Projects, SCE, Los Angeles, Santa Barbara, Ventura, Tulare, San Bernardino, Riverside, Inyo, Mono, and Kern Counties, California.** Serves as a field biologist for various power pole installation and replacement projects on private and public lands. Conducts field surveys to identify and collect biological resource data along power line corridors prior to improvement activities taking place. Completes post-survey biological assessments, biological technical reports, and formal memos detailing the findings of surveys and research specific to project locations including California Natural Diversity Database (CNDDDB) figures and special-status species occurrence data.

**Concepcion 16 kV Transmission Line Deteriorated Pole Project, SCE, Santa Barbara County, California.** Served as a field biologist and biological monitor for the deteriorated pole replacement project. Conducted general biological investigations and focused surveys within environmentally sensitive habitat for the federally endangered species *Gaviota tarplant* along the Concepcion 16 kV distribution line. Biologist on rare plant surveys, vegetation mapping, and construction monitoring intended to repair, upgrade, and replace facilities to ensure service reliability.

### Resource Management

**Tejon Mountain Village, Tejon Mountain Village LLC, Kern County, California.** Serves as the habitat restoration monitor for the Beartrap Turnout Improvement Project on-site restoration and off-site enhancement mitigation project. Monitored the pre-construction vegetation and soil salvage operations and stream diversion. Coordinated and monitored the post-construction salvaged vegetation and soil replacement and re-contouring of the restoration site. Monitored the container plant and hydroseed installation and coordinated the installation of perimeter fencing at the on-site restoration area to preclude impacts from livestock that range on Tejon Ranch. Monitored perimeter fence installation at off-site enhancement sites which was designed to preclude use of the enhancement sites by livestock and feral pigs. Monitored native seed imprinting and container plant installation in off-site enhancement areas. Conducts on-going long-term monitoring of the mitigation project and compiles quarterly and annual reports for the client and resource agencies.

**Arroyo Simi Bank Stabilization Project, City of Simi Valley, Ventura County, California.** Serves as the biological and regulatory compliance monitor and habitat restoration specialist for the bank stabilization and restoration project. Responsibilities include monitoring of construction in the Arroyo Simi Creek to repair and stabilize the creek bank. Participated in pre-construction meetings with stakeholders to coordinate project activities as to avoid impacts to biological resources. Performed daily site visits to ensure compliance with regulatory agency requirements and weekly progress meetings to ensure project compliance. The restoration component of the project consists of conducting a site assessment of restoration opportunities adjacent to the bank stabilization project site, preparation of mitigation figures, and coordinating with contractors before and during construction to ensure adherence to construction



plans and regulatory agency requirements. Serves as the long-term mitigation monitor during the 5-year maintenance and monitoring period.

**Dos Pueblos High School Creek Restoration Project, Dos Pueblos High School, Santa Barbara County, California.** Served as the habitat restoration specialist for the mitigation project. Performed monitoring of the mitigation/restoration project site on a quarterly basis. Duties included the collection of qualitative and quantitative data on the condition of the site. Made recommendations on necessary remedial measures to ensure project success. Compiled and submitted quarterly and annual monitoring reports to the client and resource agencies involved in the project. This project received regulatory agency sign-off in 2011.

**Chapala One Creek Restoration Project, Chapala One Homeowners Association, Santa Barbara County, California.** Serves as the habitat restoration specialist for the mitigation project. Performs monitoring of the mitigation/restoration project site on a quarterly basis. Duties include the collection of qualitative and quantitative data on the condition of the site. Makes recommendations on necessary remedial measures to ensure project success. Compiles and submits quarterly and annual monitoring reports to the client and resource agencies involved in the project.

**Newhall Ranch Project, Newhall Land and Farming Company, Counties of Los Angeles and Ventura, California.** Serves as the habitat restoration specialist for the proposed project. Assisted in the preparation of the conceptual wetlands mitigation plan for the Mission Village project in the Newhall Ranch Specific Plan area. Conducted site assessments and compiled research data into a report detailing wetland creation, enhancement, and restoration opportunities within the project site. Conducts on-going long-term monitoring of mitigation/restoration projects associated with previous projects. Compiles quarterly and annual reports for the client as well as resource agencies. Two mitigation projects received regulatory agency sign-off in 2011.

**Rivercourt Restoration Project, JSB Development, Los Angeles County, California.** Serves as the habitat restoration specialist for the mitigation project. Performing 5-year monitoring of an installed mitigation project on the Santa Clara River. Monitoring consists of performing quarterly monitoring visits to assess the progress of the mitigation site and its success based on established performance criteria. Additionally, annual data collection and compilation of monitoring reports is completed and submitted to the client as well as the responsible agencies.

**Tejon Mountain Village Conceptual Wetlands Mitigation and Monitoring Plan, Tejon Mountain Village LLC, Kern County, California.** Serves as a habitat restoration specialist for the proposed project. Conducted a site assessment including GPS mapping of potential restoration areas available on the Tejon Mountain Village project site. Assisted with the development of the conceptual mitigation plan for submittal to Tejon Mountain Village LLC.

**Jurisdictional Determination on Bouquet Canyon Creek, Santa Clarita, Los Angeles County, California.** Served as a field biologist on the jurisdictional delineation. Assisted in formal (routine) wetland delineation in accordance with the U.S. Army Corps of Engineers 2006 Interim Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Region. Assisted in report preparation, writing, and figure construction.

**Angeles National Forest Station Fire Biological Monitoring, SCE, Los Angeles County, California.** Served as a biological monitor for the road repair project. Following wildfire damage, performed biological and regulatory compliance monitoring of road repair activities on USFS lands. Coordinated with heavy equipment operators to ensure that sensitive resources were not impacted during necessary construction and repair activities. Consulted with SCE biologists to maintain compliance with regulatory agency permits.



# Melissa Blundell

## Biologist

Melissa Blundell is a biologist with over 5 years' experience in surveying, banding, and monitoring endangered least Bell's vireos (*Vireo bellii pusillus*); biological data collection, compilation, statistical analysis, and management; general wildlife surveys; conducting and managing vegetation surveys.

Ms. Blundell is highly qualified to conduct surveys and permitted to perform nest monitoring of endangered least Bell's vireo. She has extensive experience working with the least Bell's vireos and is very familiar with vireo vocalizations and behavior. Ms. Blundell is also highly familiar with endangered southwestern willow flycatcher (*Empidonax traillii extimus*) behavior and identification. She is awaiting final U.S. Fish and Wildlife Service (USFWS) approval for permits to conduct willow flycatcher surveys. Lastly, Ms. Blundell is pursuing federal permits for coastal California gnatcatcher (*Polioptila californica californica*) and Vernal Pool Branchiopods (fairy and tadpole shrimp).

Ms. Blundell is also very familiar with a wide range of wildlife. Her additional field experiences include nest monitoring and banding of numerous bird species, Greater sage-grouse (*Centrocercus urophasianus*) recording and analysis of behavior, mammal burrow and den surveys, nesting bird surveys, identification of resident and migrant passerines via vocalizations, rare plant surveys, general wildlife surveys, and biological construction monitoring for a variety of sensitive species and biological resources. Her monitoring experience includes both public and highly confidential projects.

Ms. Blundell has experience writing a variety of technical reports and documentations including California Environmental Quality Act (CEQA) documentation, resource management plans, technical reports, and research documents. Prior to Dudek, Ms. Blundell was involved in extensive scientific research. As a result, Ms. Blundell has extensive writing experience and has been published in a variety of journals/resources including Behaviour, Animal Behaviour, Wilson Journal of Ornithology, Kansas Ornithological Society Bulletin, and *Northwestern Naturalist*.

## Project Experience

### Development

Oro Verde Development Biological Studies, Jack Henthorn & Associates LLC, Valley Center, California. Assisted compiling plant and wildlife potential to occur tables pertaining to a Biological Technical Report (BTR). February 2014.

Guadalupe Dunes Asphalt Road Removal, County of Santa Barbara, Guadalupe, California. Biological construction monitoring to ensure avoidance of native vegetation, impacts to adjacent river and dune mint (*Monardella crispera*) detected on site. Wrote monitoring report documenting construction monitoring results. December 2013 - January 2014.

### EDUCATION

University of California, Davis  
MS, Animal Behavior, 2012

Humboldt State University, Arcata  
BS, Wildlife Management, 2008

Ventura Community College, Ventura  
AA, Liberal Arts, 2001

### CERTIFICATIONS

DFW SCP (SC-10212, renewal in progress);  
MOU (approval in progress)

USFWS section 10(a) (1) (A)  
(TE-97717A-0)

### PROFESSIONAL AFFILIATIONS

American Ornithologists' Union

The Wildlife Society

Wilson Ornithological Society



Tejon Ranch Development, Tejon Ranch Corporation, Kern County, California. Conducted focused surveys for special status plants, and burrow/den surveys with a focus on burrowing owl (*Athene cunicularia*), San Joaquin kit fox (*Vulpes macrotis mutica*), American badger (*Taxidea taxus*), and kangaroo rat (*Dipodomys spp.*). Documented general wildlife observations while on site including their special status. April - November 2013.

Newport Banning Ranch LLC, Aera Energy LLC, Orange, California. Participated in California gnatcatcher surveys which included focused behavioral observations to determine accurate population numbers and pair/breeding status. On separate occasions conducted least Bell's vireo surveys which

### Resource Management

Avian & Vegetation Pilot Monitoring Studies and IMAP, Rancho Mission Viejo Land Trust, Orange County, California. Served as lead statistician to provide statistical analysis for avian point count data collected during breeding season. Avian point count data was collected as part of an ongoing biological resource monitoring program. Primary statistical analysis performed on the data includes occupancy analysis/estimation and linear regression. Software programs used for analyses includes PRESENCE and TRENDS. Wrote up avian methods and results for inclusion in annual report. Provided vegetation data summaries/analysis (DSTPLAN software). Duties began in December 2012 and are ongoing.

Newhall Ranch Development Environmental Services, Newhall Land and Farming Company, Santa Clarita, California. Assisted with Homestead South BTR (direct impacts and mitigation measures). Literature review for Newhall bat roost replacement. Contacted researchers/conference presenters and discussed research involved in bat roost replacement. Provided literature review and research findings on American bullfrog (*Lithobates catesbeianus*), African clawed frog (*Xenopus laevis*) and crayfish management/control methods. October - February 2014.

As-Needed Environmental Regulatory Permitting Services, County of Orange, California. Compiled regulatory fact sheets as educational materials. Facts sheets included California Department of Fish and Wildlife (CDFW) Incidental Take Permit, CDFW Streambed Alteration Agreements, California Coastal Commission (CCC) Coastal Development Permit, and Regional Water Quality Control Board (RWQCB) 401. January 2014.

Streambed Alteration Agreement (SAA) Environmental Services, Valencia Travel Village LLC, Los Angeles County, California. Biological construction monitoring of fill removal from the bank of the Santa Clara River adjacent to the Valencia Travel Village in accordance with the requirements of CDFW SAA. January 2014.

As-Needed Environmental Services, Parsons Brinckerhoff, Inc., San Diego County, California. Mid-coast corridor transit project within railroad right-of-way. Completed training for working along transit corridor. Conducted nesting bird surveys at three sites. Conducted biological monitoring for geotechnical efforts at two site locations to ensure and document the avoidance of sensitive biological and jurisdictional resources. May - August 2013.

Peter's Canyon Regional Park CEQA Study, Orange County Fire Authority, Orange County, California. Assisted with biological documentation preparation on botanical and wildlife sections of final technical report. Assisted in preparation of USFWS 45-day report for California gnatcatcher. November 2012.



# APPENDIX B

## Billing Rates

**BILLING RATES**

Name	Billing Title and Role	Hourly Rate
John Davis IV	Environmental Specialist VII/Project Manager	\$195.00
Dave Compton	Environmental Specialist IV/Senior Biologist	\$165.00
Tricia Wotipka	Environmental Specialist VII/Senior Biologist	\$195.00
Craig Sellenrich	Environmental Specialist V/Senior Biologist	\$175.00
Heather Moine	Environmental Specialist III/Associate Biologist	\$145.00
Johanna Page	Environmental Specialist III/Associate Biologist	\$155.00
Traci Caddy	Environmental Specialist II/Associate Biologist	\$135.00
Randall McInvale	Environmental Specialist III/Associate Biologist	\$145.00
Melissa Blundell	Environmental Specialist III/Associate Biologist	\$135.00



Exhibit B

BILLING RATES

Name	Billing Title and Role	Hourly Rate
John Davis IV	Environmental Specialist VI/Project Manager	\$195.00
Dave Compton	Environmental Specialist IV/Senior Biologist	\$165.00
Tricia Wotipka	Environmental Specialist VII/Senior Biologist	\$195.00
Craig Sellenrich	Environmental Specialist V/Senior Biologist	\$175.00
Heather Moine	Environmental Specialist III/Associate Biologist	\$145.00
Johanna Page	Environmental Specialist III/Associate Biologist	\$155.00
Traci Caddy	Environmental Specialist III/Associate Biologist	\$135.00
Randall McInvale	Environmental Specialist III/Associate Biologist	\$145.00
Melissa Blundell	Environmental Specialist III/Associate Biologist	\$135.00



## EXHIBIT B

### PAYMENT ARRANGEMENTS Compensation Upon Completion

- A. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid a total contract amount, including cost reimbursements, not to exceed \$30,000.00.
- B. Hourly billing rates of \$195.00 for Mr. Davis, \$165.00 for Mr. Compton, \$195.00 for Ms. Wotipka, \$175.00 for Mr. Seltenrich, \$145.00 for Ms. Moine, \$155.00 for Ms. Page, \$135.00 for Ms. Caddy, \$145.00 for Mr. McInvale, and \$135.00 for Ms. Blundell would be charged. Mileage reimbursement will be charged at the current allowable IRS rate (presently \$0.54/mile). All work will be done on a time and materials basis with a not-to-exceed value.
- C. Notices to Proceed will be issued to CONTRACTOR for specific projects as needed throughout the contract period. The individual Notices to Proceed will be based upon a agreed upon scope of work for individual project reviews.
- D. Payment for services and /or reimbursement of costs shall be made upon CONTRACTOR's satisfactory performance, based upon the agreed upon specific scope of work and notice to proceed for individual project reviews and the scope and methodology contained in EXHIBIT A as determined by COUNTY.
- E. Upon completion of the work detailed in the individual scopes of work for project review, consistent with EXHIBIT A and/or delivery to COUNTY of item(s) specified therein, CONTRACTOR shall submit to the COUNTY DESIGNATED REPRESENTATIVE an invoice or certified claim on the County Treasury for the service performed. This invoice or claim must cite the assigned Board Contract Number. COUNTY DESIGNATED REPRESENTATIVE shall evaluate the quality of the service performed and/or the item(s) delivered and if found to be satisfactory shall initiate payment processing. COUNTY shall pay invoices or claims for satisfactory work within 30 days of receipt of correct and complete invoices or claims from CONTRACTOR.
- F. COUNTY's failure to discover or object to any unsatisfactory work or billings prior to payment will not constitute a waiver of COUNTY's right to require CONTRACTOR to correct such work or billings or seek any other legal remedy.

## EXHIBIT C

### Indemnification and Insurance Requirements (For Professional Contracts)

#### INDEMNIFICATION

CONTRACTOR agrees to indemnify, defend (with counsel reasonably approved by COUNTY) and hold harmless COUNTY and its officers, officials, employees, agents and volunteers from and against any and all claims, actions, losses, damages, judgments and/or liabilities arising out of this Agreement from any cause whatsoever, including the acts, errors or omissions of any person or entity and for any costs or expenses (including but not limited to attorneys' fees) incurred by COUNTY on account of any claim except where such indemnification is prohibited by law. CONTRACTOR's indemnification obligation applies to COUNTY's active as well as passive negligence but does not apply to COUNTY's sole negligence or willful misconduct.

#### NOTIFICATION OF ACCIDENTS AND SURVIVAL OF INDEMNIFICATION PROVISIONS

CONTRACTOR shall notify COUNTY immediately in the event of any accident or injury arising out of or in connection with this Agreement. The indemnification provisions in this Agreement shall survive any expiration or termination of this Agreement.

#### INSURANCE

CONTRACTOR shall procure and maintain for the duration of this Agreement insurance against claims for injuries to persons or damages to property which may arise from or in connection with the performance of the work hereunder and the results of that work by the CONTRACTOR, his agents, representatives, employees or subcontractors.

##### A. Minimum Scope of Insurance

Coverage shall be at least as broad as:

1. **Commercial General Liability (CGL):** Insurance Services Office (ISO) Form CG 00 01 covering CGL on an "occurrence" basis, including products-completed operations, personal & advertising injury, with limits no less than \$1,000,000 per occurrence and \$2,000,000 in the aggregate.
2. **Automobile Liability:** ISO Form Number CA 00 01 covering any auto (Code 1), or if CONTRACTOR has no owned autos, hired, (Code 8) and non-owned autos (Code 9), with limit no less than \$1,000,000 per accident for bodily injury and property damage.
3. **Workers' Compensation:** as required by the State of California, with Statutory Limits, and Employer's Liability Insurance with limit of no less than \$1,000,000 per accident for bodily injury or disease.
4. **Professional Liability (Errors and Omissions)** Insurance appropriate to the CONTRACTOR'S profession, with limit of no less than \$1,000,000 per occurrence or claim, \$2,000,000 aggregate.

If the CONTRACTOR maintains higher limits than the minimums shown above, the COUNTY requires and shall be entitled to coverage for the higher limits maintained by



the CONTRACTOR. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to the COUNTY.

B. Other Insurance Provisions

The insurance policies are to contain, or be endorsed to contain, the following provisions:

1. **Additional Insured** – COUNTY, its officers, officials, employees, agents and volunteers are to be covered as additional insureds on the CGL policy with respect to liability arising out of work or operations performed by or on behalf of the CONTRACTOR including materials, parts, or equipment furnished in connection with such work or operations. General liability coverage can be provided in the form of an endorsement to the CONTRACTOR's insurance at least as broad as ISO Form CG 20 10 11 85 or if not available, through the addition of both CG 20 10 and CG 20 37 if a later edition is used).
2. **Primary Coverage** – For any claims related to this Agreement, the CONTRACTOR's insurance coverage shall be primary insurance as respects the COUNTY, its officers, officials, employees, agents and volunteers. Any insurance or self-insurance maintained by the COUNTY, its officers, officials, employees, agents or volunteers shall be excess of the CONTRACTOR's insurance and shall not contribute with it.
3. **Notice of Cancellation** – Each insurance policy required above shall provide that coverage shall not be canceled, except with notice to the COUNTY.
4. **Waiver of Subrogation Rights** – CONTRACTOR hereby grants to COUNTY a waiver of any right to subrogation which any insurer of said CONTRACTOR may acquire against the COUNTY by virtue of the payment of any loss under such insurance. CONTRACTOR agrees to obtain any endorsement that may be necessary to effect this waiver of subrogation, but this provision applies regardless of whether or not the COUNTY has received a waiver of subrogation endorsement from the insurer.
5. **Deductibles and Self-Insured Retention** – Any deductibles or self-insured retentions must be declared to and approved by the COUNTY. The COUNTY may require the CONTRACTOR to purchase coverage with a lower deductible or retention or provide proof of ability to pay losses and related investigations, claim administration, and defense expenses within the retention.
6. **Acceptability of Insurers** – Unless otherwise approved by Risk Management, insurance shall be written by insurers authorized to do business in the State of California and with a minimum A.M. Best's Insurance Guide rating of "A- VII".
7. **Verification of Coverage** – CONTRACTOR shall furnish the COUNTY with proof of insurance, original certificates and amendatory endorsements as required by this Agreement. The proof of insurance, certificates and endorsements are to be received and approved by the COUNTY before work commences. However, failure to obtain the required documents prior to the work beginning shall not waive the CONTRACTOR's obligation to provide them. The CONTRACTOR shall furnish evidence of renewal of coverage throughout the term of the Agreement. The COUNTY reserves the right to require complete, certified copies of all required insurance policies, including endorsements required by these specifications, at any time.

8. **Failure to Procure Coverage** – In the event that any policy of insurance required under this Agreement does not comply with the requirements, is not procured, or is canceled and not replaced, COUNTY has the right but not the obligation or duty to terminate the Agreement. Maintenance of required insurance coverage is a material element of the Agreement and failure to maintain or renew such coverage or to provide evidence of renewal may be treated by COUNTY as a material breach of contract.
9. **Subcontractors** – CONTRACTOR shall require and verify that all subcontractors maintain insurance meeting all the requirements stated herein, and CONTRACTOR shall ensure that COUNTY is an additional insured on insurance required from subcontractors.
10. **Claims Made Policies** – If any of the required policies provide coverage on a claims-made basis:
  - i. The Retroactive Date must be shown and must be before the date of the contract or the beginning of contract work.
  - ii. Insurance must be maintained and evidence of insurance must be provided for at least five (5) years after completion of contract work.
  - iii. If coverage is canceled or non-renewed, and not replaced with another claims-made policy form with a Retroactive Date prior to the contract effective date, the CONTRACTOR must purchase "extended reporting" coverage for a minimum of five (5) years after completion of contract work.
11. **Special Risks or Circumstances** – COUNTY reserves the right to modify these requirements, including limits, based on the nature of the risk, prior experience, insurer, coverage, or other special circumstances.

Any change requiring additional types of insurance coverage or higher coverage limits must be made by amendment to this Agreement. CONTRACTOR agrees to execute any such amendment within thirty (30) days of receipt.

Any failure, actual or alleged, on the part of COUNTY to monitor or enforce compliance with any of the insurance and indemnification requirements will not be deemed as a waiver of any rights on the part of COUNTY.