

## 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**

Travis Seawards, Deputy Director, at phone number (805) 568-2518 is the representative of COUNTY and will administer this Agreement for and on behalf of COUNTY. John H. Davis IV at phone number 805-252-7996 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: Travis Seawards, County of Santa Barbara Planning & Development Department, 123 E. Anapamu Street, Santa Barbara, CA 93101-2058

To CONTRACTOR: John H. 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 technical services to COUNTY in accordance with **EXHIBIT A** attached hereto and incorporated herein by reference.

### **4. TERM**

CONTRACTOR shall commence performance on January 1, 2022 and end performance upon completion, but no later than June 30, 2022 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 non-appropriation 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 Non-appropriation 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 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 work program (mutually agreeable work program 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**

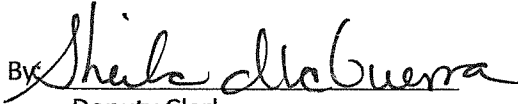
CONTRACTOR agrees for itself, its agents, employees and subcontractors, it will not communicate with representatives of the communications media concerning the subject matter of this Agreement without prior written approval of the COUNTY Project Coordinator. CONTRACTOR further agrees that all media requests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

Agreement for Services of Independent Contractor between the **County of Santa Barbara** and **DUDEK**.

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

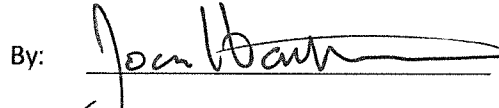
**ATTEST:**

Mona Miyasato  
County Executive Officer  
Clerk of the Board

By:   
Deputy Clerk

**COUNTY OF SANTA BARBARA:**

Joan Hartmann, Chair  
Board of Supervisors

By:   
Date: 1-25-22

**RECOMMENDED FOR APPROVAL:**

Lisa Plowman, Director  
Planning & Development

By:   
Department Head

**CONTRACTOR:**


Joseph Monaco, CEO,  
Dudek

By:   
Authorized Representative

Name: **Joseph Monaco**  
Title: **President/Chief Executive Officer**  
**Dudek**

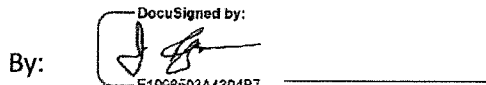
**APPROVED AS TO FORM:**

Rachel Van Mullem  
County Counsel

By:   
Deputy County Counsel

**APPROVED AS TO ACCOUNTING FORM:**

Betsy M. Schaffer, CPA  
Auditor-Controller

By:   
Deputy

**APPROVED AS TO FORM:**

Ray Aromatorio  
Risk Management

By:   
Risk Management

## EXHIBIT A

### STATEMENT OF WORK

CONTRACTOR shall render services in accordance with the Biological Resources Services Supporting Development Applications Review SOQ dated September 16, 2021 (**Appendix 1**), incorporated herein by reference and referred to hereafter as the "Proposal". The Proposal describes the technical services scope of work which includes the following: CONTRACTOR qualifications, capabilities and experience, key personnel, report preparation and billing rates.

John Davis IV, Tricia Wotipka, Dave Compton, Heather Moine, Melissa Blundell, Andrea Dransfield, Mackenzie Forgey and Isabelle Radis shall be the individual(s) personally responsible for providing all services hereunder. CONTRACTOR may not substitute other persons without the prior written approval of COUNTY's designated representative.

**Suspension for Convenience.** COUNTY's designated representative may, without cause, order CONTRACTOR in writing to suspend, delay, or interrupt the services under this Agreement in whole or in part for up to 90 days. COUNTY shall incur no liability for suspension under this provision and suspension shall not constitute a breach of this Agreement.

**Appendix 1:** Biological Resources Services Supporting Development Applications Review SOQ dated September 16, 2021

## EXHIBIT B

### PAYMENT ARRANGEMENTS

#### Compensation upon Completion (with attached Schedule of Fees)

- A. For CONTRACTOR services to be rendered under this Agreement, CONTRACTOR shall be paid a total contract amount, including cost reimbursements, not to exceed **\$45,000.00**.
- B. Payment for services and /or reimbursement of costs shall be made upon CONTRACTOR's satisfactory performance, based upon the scope and methodology contained in **EXHIBIT A** as determined by COUNTY. Payment for services and/or reimbursement of costs shall be based upon the costs, expenses, overhead charges and hourly rates for personnel, as defined in **Attachment B1** (Schedule of Fees). Invoices submitted for payment that are based upon **Attachment B1** must contain sufficient detail to enable an audit of the charges and provide supporting documentation if so specified in **EXHIBIT A**.
- C. Upon completion of the work detailed in **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 certified 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 and within the cost basis of **Attachment B1** 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.
- D. 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 B1**  
**RATE SCHEDULE**

**Dudek State and Local Government Billing Rates (2021/2022)**

<b>Name</b>	<b>Billing Title &amp; Role</b>	<b>Hourly Rate</b>
John Davis IV	Senior Specialist IV / Principal, Senior Ecologist	\$230.00
Tricia Wotipka	Senior Specialist III / Senior Wetland Specialist	\$220.00
Dave Compton	Senior Specialist I / Senior Wildlife Biologist	\$190.00
Heather Moine	Specialist V / Botanist, Restoration Specialist	\$180.00
Melissa Blundell	Specialist III / Wildlife Biologist, Permitting Specialist	\$160.00
Andrea Dransfield	Specialist II / Biologist, Marine Specialist	\$145.00
Mackenzie Forgey	Analyst V / Botanist, Restoration Specialist	\$120.00
Isabelle Radis	Analyst I	\$80.00

## 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.



# PURCHASING REQUISITION

Date: 6/23/2021  
 Fund: 0076  
 Dept # / Name: 053 / Planning and Development  
 Ship To Cust#: 053-01-02-1000-1  
 Bill To Cust#: 053-01-02-1000-1  
 Requested By: Alyssa Lozoya  
 Phone: x82063  
 REQ NO: 004-21/22

	Item	Description	Qty	Unit	Unit Price	Extension
<b>COMMODITY</b>	<b>Please establish a contract with DUDEK per the attached scope of work and budget</b>					
	<b>Contract amount not to exceed an amount of \$45,000.00</b>					
	<b>Start Date - As directed; termination date, as directed and NO LATER THAN 6/30/2022</b>					

	Suggested Supplier (name, address, phone, fax, contact) / Comments / Special Instructions	Regulatory Compliance Statement
<b>SUPPLIER</b>	<b>DUDEK</b> <b>621 CHAPALA STREET</b> <b>SANTA BARBARA, CA 93101</b>	<p style="text-align: center;"><b>Circle/Check one</b></p> <p><b>Justification:</b>    <input type="checkbox"/> Oral Quote    <input checked="" type="checkbox"/> Written Quote</p> <p>                          <input type="checkbox"/> Price List        <input type="checkbox"/> Web Search</p> <p><b>Debarred Vendor:</b>    <input checked="" type="checkbox"/> No</p> <p><b>Sole-Source:</b>         <input checked="" type="checkbox"/> No                    <input type="checkbox"/> Yes</p> <p><b>Procedure:</b>            <input checked="" type="checkbox"/> County                <input type="checkbox"/> Federal</p> <p><b>Insurance Current:</b>   <input checked="" type="checkbox"/> Yes    <input type="checkbox"/> No    <input type="checkbox"/> N/A::</p>
	<i>Purchasing Supplier No.</i>	

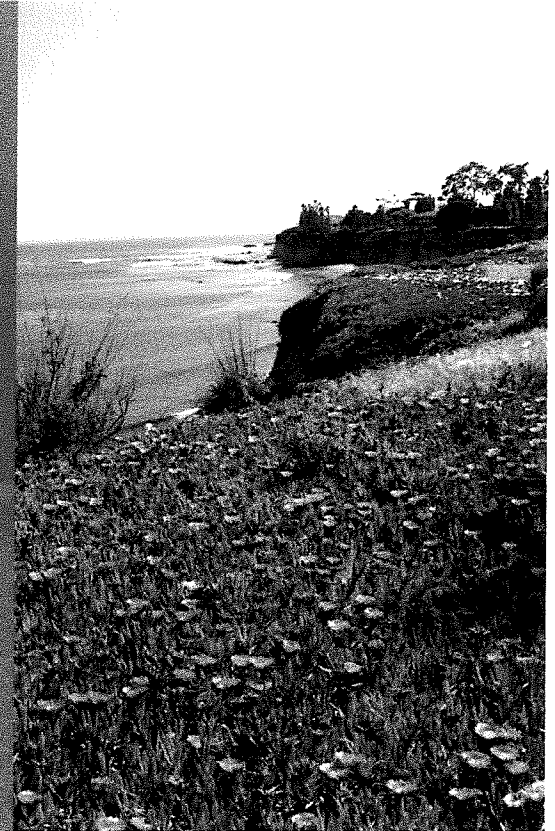
	Fund.	Dept No	Acct No.	Amount	Program	OrgUnit	Project	
<b>FIN DATA</b>	0076	053	7510	45,000.00	VARIO US	VARIO US	VARIO US	I hereby certify there are sufficient funds in the budget indicated for payment of the above. <b>Is this purchase being made with Federal Funds?</b> Circle/Check one: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Authorized Signature

	CommCode:	Order No:	Date	Time	Activity
<b>PURCHASING ONLY</b>	Bid No:	Out:	Due:		
	FOB: <input type="checkbox"/> Dest <input type="checkbox"/> Dest Prepay & Add <input type="checkbox"/> Dest Freight Collect	<input type="checkbox"/> Origin <input type="checkbox"/> Origin Prepay & Add <input type="checkbox"/> Origin Freight Collect			
	Price Source:				
	Terms:	DelvDate:			
	FA Tags:    Count:	issued #	thru #		
	Completed:	Buyer Initials:	Date:		

# DUDEK

BIOLOGICAL  
RESOURCES SERVICES  
SUPPORTING DEVELOPMENT  
APPLICATIONS REVIEW  
STATEMENT OF QUALIFICATIONS

PREPARED FOR  
Santa Barbara County  
Planning & Development Department



PREPARED BY  
John H. Davis IV  
Dudek  
621 Chapala Street  
Santa Barbara, California 93101  
805.252.7996  
[www.dudek.com](http://www.dudek.com)

September 16, 2021





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# Cover Letter

September 16, 2021

Travis Seawards  
Supervising Planner  
County of Santa Barbara  
123 E. Anapamu Street  
Santa Barbara, California 93101

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

Dear Mr. Seawards:

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 at hearings, meetings, and site visits.

**Deep Bench of Biologists.**

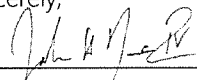
Our trained and permitted biologists address project survey requirements and help with project planning, design, permitting, and construction management phases. Dudek's senior biologists have direct experience in the County, know the local botanical and wildlife resources and perform focused surveys 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 805.252.7996, 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.

## Senior Biologists

### Project Manager/ Point of Contact

#### John Davis IV

John Davis IV is a principal, senior ecologist in the Santa Barbara office with over 20 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.

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 sila*), 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.

#### 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

### 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)

### 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 sila*) 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*).

## 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. *blancheae*), Peirson's morning-glory (*Calystegia peirsonii*), thread-leaved brodiaea (*Brodiaea filifolia*), Gaviota tarplant (*Deinandra increscens* ssp. *villosa*), seacliff 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*).

### 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*.

### **Andrea Dransfield**

Andrea Dransfield is a biologist with 10 years' experience in marine and terrestrial biological surveys, water quality monitoring and reporting, habitat assessment, construction monitoring, habitat restoration and geographic information system (GIS) analysis. She is California Department of Fish and Wildlife (CDFW) trained in stream habitat surveys, and identifying and monitoring special-status species such as the California red-legged frog (*Rana draytonii*), Southern California steelhead (*Oncorhynchus mykiss*), as well as invasive species including red swamp crawfish (*Procambarus clarkia*) and Quagga mussels (*Dreissena bugensis*). She is National Park Service trained in monitoring water quality in streams, habitat restoration, plant propagation, and invasive species control. Ms. Dransfield has conducted biological surveys for terrestrial and aquatic species, conducted construction monitoring, performed geotechnical surveys, and conducted reviews of aquatic species reports for coastal development and resource management projects. She has extensive experience providing biological and water resources services for infrastructure projects, including extensive construction monitoring for compliance as well as worker environmental training. Additional experience includes industrial stormwater sampling, construction site Stormwater Pollution Prevention Plan (SWPPP) Best Management Practice (BMP) monitoring and reporting for Stormwater Multiple Application and Report Tracking System, and coordinating and facilitating MS4 stormwater programs.

#### **Education**

San Francisco State University  
MA, Geography, Resource Use and  
Environmental Planning, 2013  
Brandon University  
BSc, Environmental Science and  
Zoology, 2008

#### **Certifications**

BOEM/JNCC Marine Mammal  
Observer (MMO)  
Passive Acoustic Monitoring (PAM)  
NMFS/CDFW *Caulerpa taxifolia* ID  
24-Hour HAZWOPER

### **Mackenzie Forgey**

Mackenzie Forgey is a biologist with 4 years' experience working throughout Southern California, the Central Coast, and the Central Valley. Ms. Forgey has extensive field experience having conducted special-status plant species surveys, vegetation community mapping, jurisdictional aquatic resource delineations, habitat restoration monitoring, focused special-status wildlife species surveys, nesting bird and raptor surveys, and construction monitoring within a variety of California ecosystems. She has strong technical writing skills having assisted with biological technical reports, biological assessments for Endangered Species Act Section 7 Consultation, wetland permitting application materials, annual monitoring reports, jurisdictional aquatic resource delineation reports, as well as various focused survey reports

#### **Education**

University of California,  
Santa Barbara  
BS, Ecology and Evolution, 2016  
BS, Environmental Studies, 2016

#### **Certifications**

International Society of  
Arboriculture, Certified Arborist  
WE-13281A

### Isabelle Radis

Isabelle Radis is a biologist with 2 years experience in the environmental field. Ms. Radis has experience performing habitat restoration and monitoring in both Northern and Central California, including for the state- and federally listed southern mountain yellow-legged frog (*Rana muscosa*) and Sierra Nevada yellow-legged frog (*Rana sierrae*). Ms. Radis has studied creek wildlife corridors through collection and review of wildlife camera data and performed surveys for wildlife tracks and sign within creeks. She has experience with data analysis, technical report writing, and has strong field skills, having assisted with a variety of fieldwork. Ms. Radis has performed a variety of biological field surveys and monitoring, including burrow surveys, vegetation mapping, wetland delineations, riparian bird surveys, and wildlife tracks and sign surveys, as well as the monitoring of amphibian populations, spread of chytridiomycosis fungus, and eradication efforts of the Argentine ant (*Linepithema humile*).

#### **Education**

University of California,  
Santa Barbara

MESM, Environmental Science and  
Management, 2020

University of California, Berkeley  
BS, Conservation and Resource  
Studies, 2018

#### **Certifications**

Wilderness First Responder

## 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>
Tricia Wotipka				L			L		L					L <sup>2</sup>	L	L <sup>3</sup>
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>
Heather Moine	L <sup>1,2</sup>			S		S <sup>4</sup>	S							L <sup>2</sup>	L	S <sup>3</sup>
Melissa Blundell	S								L <sup>1,2</sup>	L <sup>1,2</sup>					S	S
Andrea Dransfield		L	L	L	L	L	S	S			S	S		S	S	
Mackenzie Forgey				S		S <sup>4</sup>	S							L <sup>2</sup>	L	S <sup>3</sup>
Isabelle Radis				S		S <sup>4</sup>	S							S	S	

**L = Lead Surveyor S= Surveyor**

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

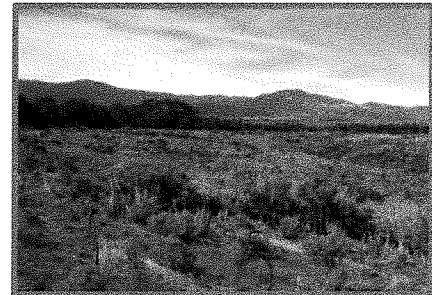


## Projects in Santa Barbara County

### 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.

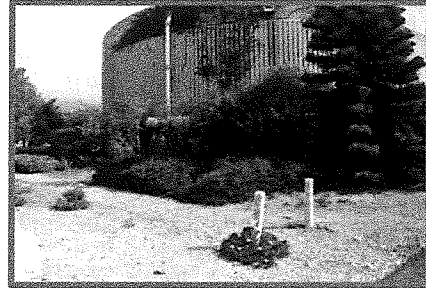
Biological tasks included the following:

- Peer review of marine biological reports prepared by Tenera Environmental
- 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 Durlinger, 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

## Principal, Senior Ecologist

John Davis IV is a principal, senior ecologist in the Santa Barbara office with over 25 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

San Diego State University  
BS, Ecology

### 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-seped 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.

# Tricia Wotipka

## Environmental Specialist, Biologist

Tricia Wotipka is an environmental specialist and biologist with over 20 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

### 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.

# Dave Compton

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## Senior Wildlife Biologist

Dave Compton (DAY-v COMP-tun; he/him) is a senior wildlife biologist with 23 years' experience working in Santa Barbara County and around Southern and Central California. Mr. Compton has provided natural resources planning, permitting, and compliance expertise through habitat assessments, constraints analyses, impact analyses, mitigation strategies, managing projects related to biological resources, construction monitoring, agency coordination, and designing and leading biological surveys. He has worked extensively on projects involving a variety of natural environments in Santa Barbara County and vicinity and has worked on a wide variety of energy projects, including oil and gas, solar, and wind projects.

Mr. Compton's technical expertise is in the field of ornithology, and he has provided biological resources planning expertise relating to a variety of federally and state-listed species, as well as other special-status wildlife species. He has extensive experience with the avian life of California. Mr. Compton has contributed to various California Environmental Quality Act (CEQA) and California Coastal Act documents and reports, and he has prepared several California Fish and Game Code Section 2081 applications and helped prepare Biological Assessments as part of the Federal Endangered Species Act Section 7 permitting process. Mr. Compton has developed mitigation strategies for federally and state-listed species, as well as many other special-status wildlife species, and has led a variety of field efforts.

Mr. Compton has surveyed for various rare and listed wildlife species in Southern and Central California. He has extensive experience surveying for the federally and state endangered southwestern willow flycatcher (*Empidonax traillii extimus*), the state-threatened Swainson's hawk (*Buteo swainsoni*), the federally listed least Bell's vireo (*Vireo bellii pusillus*), golden eagle (*Aquila chrysaetos*), white-tailed kite (*Elanus leucurus*), burrowing owl (*Athene cunicularia*), Belding's savannah sparrow (*Passerculus sandwichensis beldingi*), the federally listed California red-legged frog (*Rana draytonii*), and Monarch butterfly (*Danaus plexippus*), as well as experience with many other special-status species of the region. He has also received training in bat survey methodologies and conducted several acoustic and visual surveys for these species.

## Project Experience

### Development

**Heritage Ridge (formerly North Willow Springs) Biology, The Towbes Group, Inc., Goleta, California.** Participated in a wildlife corridor analysis in 2013 and 2014 to determine the status of a site for a proposed housing development as a wildlife movement corridor between Goleta Slough and the large block of habitat in the Santa Ynez mountains and foothills. With other biologists, determined the appropriate locations for and installed



Dave Compton

### **Education**

Marquette University  
MA, U.S. History, 1984

Christian Brothers College  
BA, History, 1982

### **Certifications**

Scientific Collecting Permit  
SC-7918

### **Professional Affiliations**

American Ornithologists' Union  
Raptor Research Foundation  
Western Field Ornithologists  
The Wildlife Society

cameras during both phases of the study, participated in tracking and spotlighting surveys in 2013, and reviewed the initial letter report on the first phase of the project. Drafted responses to comments on wildlife issues by the California Department of Fish and Wildlife in summer 2016.

**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.

**St. Athanasius Orthodox Church Project, County of Santa Barbara, Goleta, California.** Conducted weekly preconstruction surveys for roosting white-tailed kites to ensure project construction would not disrupt kites at a historic roost site adjacent to the project site, November 2011 to February 2012. Reported results of surveys in satisfaction of permit requirements.

**Paradiso del Mare Ranch Estates, CPH Dos Pueblos Associates, Southern Santa Barbara County, California.** Assisted in biological surveys of an approximately 140-acre site in the coastal zone in spring and summer 2011 and 2013, co-authored the technical report on surveys, and provided support during the CEQA process. 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. 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, and provided analysis of potential impacts the on a harbor seal (*Phoca vitulina*) rookery, protected under the Marine Mammal Protection Act.

## Education

**Long-Range Development Plan, University of California, Santa Barbara, Santa Barbara, California.** In spring/summer 2012, winter 2012–2013, spring/summer 2013, and winter and spring 2015–2016 and 2019 conducted raptor and nesting bird surveys for several sites proposed for development under the university's long-range development plan (LRDP), to fulfill California Coastal Commission requirements. Produced survey reports for several rounds of surveys, a series of raptor and nesting bird surveys for nine sites in 2012 and 2013, and wintering raptor surveys for three of these sites during winter 2012–2013. Conducted surveys for additional sites in 2015–2016 and in 2021. In 2019, managed surveys for two additional projects and managed and conducted raptor surveys related to proposed tree removal, also according to LRDP requirements.

**Open Space Management Plan Biology Report, University of California, Santa Barbara, California.** In accordance with requirements of its LDRP and the California Coastal Act, the University of California, Santa Barbara (UCSB) contracted with Dudek to prepare an Open Space Management Plan (OSMP) in the fall of 2017. Conducted field investigations and an extensive literature review prior to preparing a report on the biological resources of open space areas across campus. Provided an assessment of habitat for roosting monarch butterflies, raptors, and other special-status wildlife species, and provided an assessment of wildlife movement and movement barriers in the UCSB vicinity and within the UCSB open spaces. Provided an assessment of restoration opportunities for these resources in the open space areas. The biological report was to be used in preparation of the OSMP, with Dudek assisting UCSB.

**Solar Photovoltaic PPA Project, UCSB, Santa Barbara, California.** UCSB proposed to remove trees around four existing structures prior to installing rooftop solar, so that the solar panels would not be shaded from direct

sunlight. Assessed the trees proposed for removal and trimming and prepared a memo describing results so that UCSB could fulfill requirements of its LRDP. Examined all trees and assessed human disturbance level that would deter raptor presence, proximity of foraging habitat for raptors, branch structure suitable for raptor nesting, presence of nests, suitability of trees for night roosting, and presence of any raptor sign (droppings, regurgitated pellets, feathers). California Coastal Commission staff accepted the analysis, and panels were installed in the summer and fall of 2016.

**Southwestern Willow Flycatcher Contract, 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, 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.

## Energy

**Gonzaga Ridge Wind Farm, Merced County, California.** Dudek is providing services for the repowering of the existing, 2,200-acre wind energy facility at Pacheco State Park in Merced County. Dudek is conducting biological surveys, including eagle and raptor surveys, as well as hazardous materials investigations and cultural resources surveys to provide Scout and the California Department of Parks and Recreation with information to minimize the environmental impacts of replacing 30-year-old wind energy turbines with modern generation equipment. In 2018 and 2019, conducted eagle occupancy surveys according to a protocol established by the U.S. Geological Survey for monitoring populations of golden eagles and bald eagles in the Diablo Range. Searched for eagle nests and recorded breeding behaviors of eagles within survey plots within 10 miles of the project site, in Merced, Santa Clara, and San Benito Counties. Wrote methods and results sections for all eagle and general bird surveys conducted for the project from late 2017 to 2019.

**USA Petroleum Ventura Pre-demolition Bat Surveys, Ventura, California.** In October 2019, conducted a bat emergence survey prior to demolition of structures where several bats had recently been discovered roosting. Closely inspected the structures for bats and bat sign and conducted a bat emergence survey at dusk and afterward to determine whether bats were still present. The emergence survey consisted of visually observing the structure during the period where bats typically emerge from roosts, and conducting active acoustic monitoring using a Wildlife Acoustics Echo Meter Touch 2 Pro iPhone attachment.

**T11-Block 12 Development Project, Confidential Energy Client, Western Kern County, California.** In 2013, 2015, and 2016, participated in biological surveys during the permitting and preconstruction phases, reporting, and permitting tasks. This project included preparation of a biological technical report (including impact assessment), conducting field visits with Client personnel and the drilling contractor for well siting, and preparation of a draft Section 2081 permit application for state-listed species potentially occurring on the site which, included development of a mitigation and impact avoidance strategy. Conducted surveys for special-status species potentially occurring on the site, including San Joaquin antelope ground squirrel (*Ammospermophilus nelsoni*), San Joaquin kit fox (*Vulpes macrotis mutica*), giant kangaroo rat (*Dipodomys ingens*), blunt-nosed leopard lizard (*Gambelia sila*: Level 2 surveyor), and Kern mallow as well as for several non-listed, special-status wildlife species including burrowing owl and American badger.

**Calle Real Photovoltaic Project, Endelos Solar, near Goleta, California.** In winter 2011–2012, mapped vegetation and scouted potential restoration locations for the Habitat Mitigation and Monitoring Plan for a small solar site.

**California Valley Solar Ranch, Confidential Energy Client, Carrizo Plain, San Luis Obispo County, California.** Participated in biological surveys covering a 3,000-acre survey area and 2,000-acre project footprint. 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, and participated in 25 days of protocol surveys for the blunt-nosed leopard lizard. 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

**Bird Island Monitoring, Santa Barbara Audubon Society, Ellwood, California.** From May 2005 to February 2009, monitored bird use of offshore structures and completed annual reports to the Santa Barbara Audubon Society 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.

**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 on a Bureau of Reclamation project. Compiled a report on the surveys that also assessed habitat for the federally endangered southwestern willow flycatcher.

**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.

## Transportation

**Santa Barbara Municipal Airport Wildlife Hazard Assessment and Wildlife Hazard Management Plan Update, City of Santa Barbara, Goleta, California.** From 2014 to 2016, served as project manager for the lead firm on a four-consultant firm team assessing wildlife hazards at the airport and preparing a Wildlife Hazard Assessment (WHA) per requirements of Federal Aviation Administration (FAA) Advisory Circulars 150/5200-XX (draft), 150/5200-33A, and 150/5200-33B. The study phase of this project included coordinating with airport operations, security, other staff, and three subconsultants to plan and execute bird point count surveys, wildlife camera studies, nighttime spotlighting, and small mammal trapping, as well as to assess airport bird-strike hazard (BASH) procedures. Was the primary author of the WHA, which was accepted by the FAA in October 2016.

**Goleta Slough Mouth Technical Report and Biological Assessment, Santa Barbara Municipal Airport, Goleta, California.** Worked as part of a multi-firm team to produce a biological technical report and biological assessment related to the status of the mouth of Goleta Slough, to decide whether or not the mouth should be periodically opened by artificial means to reduce BASH and the potential for flooding at the Santa Barbara Airport. Conducted bird surveys as part of the assessment of wildlife hazards related to the project, analyzed BASH potential at different water levels and under closed versus open-mouth conditions, and analyzed habitat impacts of closed versus open-mouth conditions on special-status bird species, particularly the state-listed endangered Belding's savannah sparrow. Dudek worked as a subconsultant on a team of four firms to coordinate with agencies and balance the concerns of multiple major concurrent projects within Goleta Slough and the Santa Barbara Airport.

# Heather Moine

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## Biologist

Heather Moine (*HEH-thur MOYN; she/her*) is a biologist with 16 years' professional experience managing and performing special-status species surveys, general biological assessments, biological monitoring, habitat restoration, construction monitoring, aquatic resource delineations, water quality sampling, and permit preparation and implementation. Ms. Moine prepares federal, state, and local agency documents detailing biological resources data both through literature review and site specific data collected, identifying appropriate regulatory agency policies, guidelines, and ordinances often identified in general plans, community and area plans, local coastal plans, and habitat conservation plans to identify impacts to sensitive biological resources, assessing those impacts against established thresholds (often a modified checklist from Appendix G of the California Environmental Quality Act [CEQA] Guidelines), and determining appropriate mitigation to avoid and/or minimize impacts to sensitive biological resources.

Ms. Moine manages projects for internal coworkers and external clients as part of a larger environmental team with multiple technical leads. Experience working on projects for multiple sectors: energy, resources management, municipalities, education, water/wastewater, development, military, and transportation. Regularly coordinates field surveys and lead field teams of up to 20 biologists in coordination with the client and landowners for survey timing, site access, and site safety. As part of coordinating field surveys, Ms. Moine reviews and maintains compliance with project regulatory documents, including conditions of approval and construction drawings and specifications, regularly works with construction crews to ensure compliance with regulatory documents and implementation of mitigation plans. Ms. Moine also provides oversight and quality assurance and quality control of data collected and reporting.

## Project Experience

### Energy

**Biological Resources Surveys and Construction Monitoring, Confidential Energy Project/Client, Southern California.** Dudek technical groups have been performing multiple years of surveys, agency reporting and coordination, and construction implementation monitoring through the biological, urban forestry, restoration, cultural, and hydrology groups. Starting in 2018, conducted special-status plant species surveys, including leading focused surveys with up to 20 biologists assessing distribution and abundance, vegetation mapping, native grassland assessments, weed mapping, special-status wildlife surveys, and aquatic resource delineations.



Heather Moine

### **Education**

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

### **Certifications**

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

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

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

*International Society of  
Arboriculture, ISA Certified  
Arborist, Cert No. WE-13335A*

### **Professional Affiliations**

*California Native Plant Society*

*The Wildlife Society*

*Friends of the Jepson Herbarium*

Assisted in the development of the 2019 survey protocol and oversaw the detailed population subsampling methods across all botanical field teams. Ms. Moine participated in meetings with both the U.S. Fish and Wildlife Service (USFWS) and California Department of Fish and Wildlife (CDFW) to present to results of the focused surveys and provided regular updates on survey progress and any information request by the resource agencies. Prior to construction and during construction activities, as a designated botanist, oversaw special-status plant species salvage, conducted pre-construction special-status plant surveys, and performed construction monitoring overseeing construction activities within and adjacent to special-status plant species to ensure compliance with agency documents, including the USFWS-issued Biological Opinion, CDFW-issued Incidental Take Permit, and local conditions of approval, mitigation monitoring and reporting program (MMRP). Construction monitoring included regular on-site meetings with the construction contractor, direct coordination with the construction contractor, biological compliance monitors, and client site safety quality assurance and quality control coordinator.

**Coastal Sage Scrub Habitat Restoration Plan, Confidential Energy Project/Client, Santa Barbara County, California.** Prepared a coastal sage scrub habitat restoration plan required under CEQA environmental document MMRP for project-related impacts to the native shrub habitat. Coastal sage scrub habitat within the project boundary is considered environmentally sensitive habitat under the local planning document and required 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.

**Special-Status Plant Surveys, Confidential Energy Project/Client, Kern County, California.** Dudek conducted environmental services for the approximately 2,000-acre energy project in Kern County proposed to develop a photovoltaic solar facility and associated infrastructure necessary to generate a combined 300 megawatts of renewable electrical energy and associated energy storage facilities. Served as the lead botanist for all special-status plant surveys for 2017 and 2019 on the project site both managing the special-status plant surveys and conducting surveys alongside fellow Dudek biologists. Provided management of survey scheduling and coordination for approximately a dozen biologists and provided oversight of all field crews and data management. Surveys within the project site included rare plant surveys and focused on target plant species.

**Sensitive Biological Resource Flagging, Confidential Project/Client, Los Angeles County, California.** Conducted surveys and flagging for sensitive biological resources. Sensitive biological resources included special-status plant species Santa Susana tarplant (*Deinandra minthornii*) and southern tarplant (*Centromadia parryi* ssp. *australis*). Sensitive vegetation communities included purple needle grass grassland and Menzies's golden bush scrub. Sensitive biological resources were flagged with pin flags and wooden stakes with flagging tape.

**Biological Constraints Analysis, Confidential Energy Projects/Client, Pacific Valley LLC, Madera, Western Fresno and Kern Counties, California.** Participated in initial evaluation of potential biological constraints to development at four sites averaging approximately 160 acres, surveying most of the sites and authoring or co-authoring reports on survey results for many of them. Reported on focused surveys during the conditional use permit application process in Fresno County and Madera County. Evaluated the potential for occurrence of special-status plant species, the habitat value for special-status wildlife species, and potential impacts to biological resources, as well as proposed mitigation measures to address potential impacts. Impacts to Swainson's hawks (*Buteo swainsoni*) were the major biological issue at most sites, although San Joaquin kit fox (*Vulpes macrotis mutica*) and several bird species designated as California Species of Concern were also important in the analysis.

**Construction Monitoring, Bark Beetle Infestation Project, Southern California Edison, San Bernardino and Riverside Counties, California.** Served as biological monitor for tree removal and pole maintenance activities in biologically sensitive areas to ensure avoidance of impacts to potentially occurring U.S. Forest Service threatened, endangered, and sensitive species.



**Vegetation Mapping, Confidential Energy Project/Client, Merced County, California.** Dudek is providing services for the repowering of the existing energy facility. Dudek is conducting biological surveys, including eagle and raptor surveys, as well as hazardous materials investigations and cultural resources surveys to provide information to minimize the environmental impacts of replacing old equipment with new equipment. Dudek has constructed a geographic information system (GIS) database that will serve as the information clearinghouse for the preparation of the project's environmental impact report and will ultimately serve as the facilities management system for the execution of construction, operations, and ultimately, decommissioning activities. Dudek is facilitating coordination between the client and the County of Merced, USFWS, and CDFW to ensure all interested and responsible agencies are engaged in the energy project process. Ms. Moine conducted vegetation mapping and coordinated data incorporation into GIS.

**Special-Status Plant Species Surveys, Confidential Project/Client, Los Angeles County, California.** Dudek provides on-call environmental and air quality services. Under this contract, Ms. Moine conducted special-status plant species surveys in support of CEQA and National Environmental Policy Act environmental documents. Surveys were conducted throughout diverse habitats, including grasslands, coastal sage scrub, woodland, and deserts over several days and included identification of all plant species. Contributed to reporting and coordinated recorded data for inclusion into GIS.

## Development

**Special-Status Plant Species Surveys, Seed Collection, and Biological Construction Monitoring, Confidential Project/Client, Santa Barbara County, California.** Performed special-status plant surveys, seed collection, and biological construction monitoring in support of road widening and development of a business complex. 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, Regional Water Quality Control Board 401 permit, U.S. Army Corps of Engineers 404 permit, and Conceptual Wetland and Upland Restoration and Mitigation Plan. Worked alongside construction crews to ensure avoidance of sensitive biological resources and maintain compliance with environmental document MMRP.

**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.

## Education

**Tidewater Goby Survey and Construction Monitoring, University of California Santa Barbara, Santa Barbara, California.** Completed a survey primarily for presence/absence and extent of distribution of tidewater gobies (*Eucyclogobius newberryi*) within Devereux Slough and an upstream tributary, Phelps Creek. Seining was completed with Entrix biologist Dr. Camm Swift. Other aquatic organisms and habitats present were also recorded. Assisted Dr. Swift during the survey and in the preparation of the survey report for USFWS. Tidewater gobies were found within all three project areas surveyed. Authorized under the biological opinion issued by USFWS to relocate tidewater gobies outside of the construction area. Relocation activities were performed in all three project locations. Exclusion nets were set up outside the project area and tidewater gobies were relocated outside the exclusion nets prior to the start of construction. Monitoring included ensuring tidewater gobies were not harmed and did not reenter the project site. Performed daily biological monitoring within Devereux Slough and an upstream tributary, Phelps Creek, during construction. Blocknets were monitored to ensure wildlife was not impacted.

## Military

**Special-Status Plant Surveys, Vandenberg Air Force Base, Santa Barbara County, California.** Conducted special-status plant surveys to identify avoidance areas in support of proposed remediation and construction activities. Conducted surveys for Gaviota tarplant, seacliff buckwheat (*Eriogonum parvifolium*) host plant for El Segundo blue butterfly (*Euphilotes battoides allyni*), Gambel's watercress (*Nasturtium gambelii*), La Graciosa thistle (*Cirsium scariosum* var. *loncholepis*), Vandenberg monkeyflower (*Diplacus vandenbergensis*), black-flowered figwort (*Scrophularia atrata*), beach layia (*Layia carnosa*), and Lompoc yerba santa (*Eriodictyon capitatum*). Mitigation measures were established to avoid impacts to special-status species during remediation and construction activities.

**California Red-Legged Frog Habitat Assessment, Pre-Construction Survey, and Construction Monitoring, Vandenberg Air Force Base, Santa Barbara County, California.** Performed a California red-legged frog habitat site assessment of the proposed project area and surrounding 1-mile radius. Mapped California red-legged frog habitat areas on Vandenberg Air Force Base and assessed other potential habitat areas for maximum depth of ponding, presence of water, vegetation type, and substrate. Conducted day and night preconstruction surveys and performed on-site monitoring during excavation and disturbance activities.

**Construction Monitoring for the Diverse Communications Project, Vandenberg Air Force Base, Santa Barbara County, California.** Provided natural and cultural resources services for the Missile Defense Agency's Diverse Communications project. Conducted field surveys for threatened and endangered species, prepared a biological assessment required for Section 7 consultation, and implemented the biological opinion during construction. Worked with Vandenberg Air Force Base biologists to develop minimization and avoidance measures to reduce impacts to threatened and endangered species. The biological assessment provided sufficient detail to support a determination that the Missile Defense Agency Diverse Communications project would not adversely affect the California red-legged frog, El Segundo blue butterfly, unarmored threespine stickleback (*Gasterosteus aculeatus williamsoni*), or Gaviota tarplant. In addition, the proposed project was found to have no effect on the vernal pool fairy shrimp (*Branchinecta lynchi*). A biological opinion was obtained from USFWS that allowed the project to proceed with the avoidance and minimization measures developed in the biological assessment for the project. Preconstruction surveys and biological monitoring activities were completed for the California red-legged frog, El Segundo blue butterfly, and Gaviota tarplant. Authorized within the biological opinion to handle California red-legged frogs. Construction monitoring was successfully completed for several months and final reports were submitted.

## Municipal

**Habitat Mitigation and Monitoring, Preconstruction 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 preconstruction nesting bird surveys and habitat surveys prior to the start of construction to identify protected resources. Surveys were conducted in accordance with CDFW Streambed Alteration Agreement. Coordination was performed with the City of Thousand Oaks, California Department of Fish and Wildlife, and the on-site construction contractor.

**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.

# Melissa Blundell

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## Biologist

Melissa Blundell (*MEL-ih-SUH BLUN-dell; she/her*) is a biologist with 11 years' professional experience engaged in the biological resources with a focus on local Santa Barbara County resources. Ms. Blundell has a strong understanding of state, federal, and local policies and regulations related to biological resources, including, but not limited to, the Endangered Species Act, California Fish and Game Code, Clean Water Act, Porter-Cologne Act, Migratory Bird Treaty Act, Bald and Golden Eagle Protection Act, local Santa Barbara County policies, agency jurisdictions, and permitting processes.

Ms. Blundell has experience monitoring construction sites for compliance, working around oil and gas facilities, performing biological resources assessments, and producing a variety of technical documents, such as documentation to support compliance with the California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA), (e.g., Negative Declaration [ND], Initial Study [IS]/Mitigated Negative Declaration [MND], Environmental Impact Report [EIR], and Environmental Impact Statement [EIS]); Biological Technical Reports (BTR)/Biological Assessments, Wildlife Movement Plans, Habitat Protection Plans, Habitat Mitigation and Monitoring Plans, and regional conservation plans. In addition, Ms. Blundell has authored and co-authored six peer-reviewed scientific journal articles.

Ms. Blundell currently holds state and federal permits to survey for the southwestern willow flycatcher (*Empidonax traillii extimus*) and coastal California gnatcatcher (*Polioptila californica californica*). She is experienced in performing nesting bird surveys and implementing survey protocol and/or focused surveys for a variety of special-status wildlife, including burrowing owl (*Athene cunicularia*), California red-legged frog (*Rana draytonii*), raptor surveys, Belding's savannah sparrow (*Passerculus sandwichensis beldingi*), bank swallow (*Riparia riparia*), rare plants, and monarch butterflies (*Danaus plexippus*).



Melissa Blundell

### **Education**

University of California, Davis  
MS, Animal Behavior, 2012

Humboldt State University  
BS, Wildlife Management, 2008

### **Certifications**

CDFW Scientific Collecting Permit  
and Memorandum of  
Understanding

USFWS Recovery Permit

### **Safety Trainings**

Passport Petroleum Safety Card  
Adult and Child First Aid

### **Professional Affiliations**

American Ornithologists' Union  
The Wildlife Society

## Project Experience

### Energy

**Proxima Solar, Boulevard Associates, LLC, Stanislaus County, California.** The approximately 1,760-acre proposed project involved the construction of a solar photovoltaic (PV) and energy storage facility, including solar arrays, collection systems, energy storage structure, switchyard/substation, associated overhead towers, fencing, and access roads. Provided technical assistance in drafting a site assessment letter report to address the California red-legged frog and California tiger salamander (*Ambystoma californiense*).

**South Lake Solar, Boulevard Associates, LLC, Fresno County, California.** The approximately 585-acre proposed project involved the construction of a solar energy system, on-site substation, energy storage system, generation tie-line, and ancillary facilities in the Central Valley. Provided technical assistance in drafting a BTR, which documented and assessed existing biological resources, site assessments, and evaluated impacts to sensitive biological resources based on local, state, and federal policies and regulations.

**Little Bear Solar, Little Bear Solar, LLC, Fresno County, California.** The approximately 1,288-acre proposed project involved the construction of a solar PV power generation facility, involving up to five different facilities. Provided technical assistance in evaluating and assessing the potential for special-status plants and wildlife to occur.

**Development Project, Confidential Client, Bakersfield, California.** The proposed project involved significant number of acres of biological assessment area for the development of focused areas for oil and gas production. Provided assistance in the preparation of wildlife habitat assessments, special-status wildlife surveys, and providing California Fish and Game Code Section 2081 permit application support, including drafting avoidance plans for blunt-nosed leopard lizard (*Gambelia sila*) and giant kangaroo rat (*Dipodomys ingens*); and a relocation plan for the Nelson's antelope squirrel (*Ammospermophilus nelsoni*). Assessed project cumulative impacts.

**Adera Solar, Solairedirect USA Inc., Madera County, California.** The approximately 160-acre proposed project involved the development of a solar PV facility. Performed pre-construction nesting bird surveys and Swainson's hawk (*Buteo swainsoni*) nest monitoring. Produced associated biological compliance, monitoring, and observation reports.

**San Diego Gas and Electric Cleveland National Forest Electric Safety and Reliability Plan Project, California Public Utilities Commission, California.** The proposed project involved the continued operation/maintenance of 69-kilovolt (kV) power lines, 12-kV distribution circuits and ancillary facilities, 45 miles of existing access roads, and replacement of five 69-kV power lines and six 12-kV distribution circuits located within and outside of Cleveland National Forest. Provided technical biological assistance for CEQA and NEPA analysis and documentation, drafted the Biological Resources section for EIR/EIS to document the existing biological resource, potentially occurring sensitive resources, project impacts, and avoidance, minimization, and mitigation measures.

**Jacumba Solar Energy Project, Boulevard Associates, LLC, San Diego County, California.** The approximately 304-acre proposed project involved the development of a solar energy facility, generation tie transmission line, and dedicated open space. Provided technical support in assembling a BTR, coordinating report review, and providing revisions to the EIR.

**Confidential Energy Project/Client, Riverside County, California.** Dudek provided environmental compliance management and restoration support services for the 250-megawatt PV solar facility. Conducted preconstruction nesting bird surveys and associated reporting for the on-going compliance monitoring and reporting program during construction.

**SDG&E TL637 Wood-to-Steel Replacement Project, California Public Utilities Commission, San Diego County, California.** The project proposed to fire-harden approximately 14 miles of existing 69-kv wood pole power lines between Creelman and Santa Ysabel substations. Provided technical support in drafting the biological section of an IS/MND for analysis and responded to public and agency comments on the draft. Provided support in reviewing the Mitigation, Monitoring, and Compliance Reporting related to nesting bird surveys.

**Confidential Project/Client, Riverside County, California.** This project involved the construction of a solar facility in Riverside County. In accordance with mitigation measures, Drafted a Raven Monitoring, Management, and Control Plan consistent with most current U.S. Fish and Wildlife Service (USFWS) approved raven management guidelines. The Plan's purpose was to avoid any project-related increases in raven numbers during construction, operation,

and closure; and to avoid project-related impacts from ravens to the desert tortoise (*Gopherus agassizii*) and other native wildlife.

**Confidential Project and Client, San Diego, California.** Dudek provided environmental support for the proposed 12-acre solar energy development, including completing necessary environmental surveys and associated documentation for project approvals. Conducted botanical surveys documenting the occurrences of the desert beauty (*Linanthus bellus*), Jacumba milk vetch (*Astragalus douglasii* var. *perstrictus*), and sticky geraea (*Geraea viscida*).

**SDG&E Wind Interconnect Project, California Public Utilities Commission, San Diego County, California.** The project involved the development of an interconnection transmission facilities for two renewable energy projects: Manzanita Wind Project and the Shu'luuk Wind Project (formerly known as the Campo Wind Project) located in San Diego County. Dudek prepared the required CEQA/NEPA documents for this project. Ms. Blundell assisted in drafting the Biological Resources section of the EIR, including the compilation of special-status species occurrence tables.

**Bark Beetle Infestation Biology Services, Southern California Edison, San Bernardino and Riverside Counties, California.** Dudek provided biological survey and monitoring services related to the Hazard Tree Removal project and in support of the transmission and distribution services. Dudek was responsible for conducting biological surveys along all Southern California Edison (SCE) circuits within the San Bernardino and San Jacinto Mountains prior to removal of bark beetle-infested trees, drought-stressed trees, and other damaged trees from the vicinity of its poles, lines, and other facilities. The project area encompassed 106 square miles, an estimated 62,000 acres of tree removal area, more than 22,000 power poles, and 538 linear miles of utility lines. Provided biological monitoring support before and during tree removal activities to avoid impacts to jurisdictional aquatic resources; U.S. Forest Service sensitive species; and state- and federally listed, proposed, and candidate species, including the least Bell's vireo (*Vireo bellii pusillus*), southwestern willow flycatcher, California red-legged frog, arroyo toad (*Anaxyrus californicus*), southern mountain yellow-legged frog (*Rana muscosa*), San Bernardino kangaroo rat (*Dipodomys merriami parvus*), and various plant species.

## Resource Management

**Creek and Watershed Management Plan, City of Goleta, California.** Dudek contracted with the City of Goleta to develop a Creek and Watershed Management Plan (Plan) under and implementation action in the City's General Plan. The over 450-page Plan focused on the City's existing twelve creek segments and provided details on a variety of topics, including stakeholder and public outreach, regulatory setting, baseline watershed characteristics, creek impairments, and an implementation program. In addition, wildlife corridor and riparian bird studies were included as a part of this plan. Served as deputy project manager, performed biological field assessments and field surveys, managed field efforts, and coordinated and drafted the various components of the Plan.

## Development

**Ocean Meadows Residential Development, County of Santa Barbara, California.** The project proposed to construct residential development adjacent to existing open space between Isla Vista and the City of Goleta and was seeking a Coastal Development Permit. Served as the phase manager and conducted vegetation mapping, coastal raptor surveys, and assisted with wetland delineations. Led the preparation of a Biological Resources Assessment Report (BRAR), which documented biological constraints, site visits and surveys, potential for special-status species to occur, analyzed impacts, and recommended measures to avoid and minimize impacts.

**Peer Review of Cannabis Cultivation Project, County of Santa Barbara, California.** Dudek has been contracted by the County of Santa Barbara to provide peer review of biological resource technical reports submitted by Applicants in support of cannabis cultivation activities. Under this contract, Ms. Blundell has assisted in providing

review of numerous BTRs. Deliverables have included letter reports documenting the peer review and recommended actions for adequately addressing sensitive and regulated biological resources.

**Cannabis Cultivation, Private Developer, Santa Ynez, California.** The project proposes to permit and construct facilities for cannabis cultivation and manufacturing. In accordance with cannabis regulations, served as the phase manager and lead biologist in the preparation of several documents including a Biological Assessment (BA), Wildlife Movement Plan, and Tree Protection Plan. The BA documented a site visit, the potential for special-status species to occur, analyzed impacts, and recommended measures to avoid and minimize impacts.

**15 South Hope Avenue–Arroyo Burro Creek Buffer Analysis, Faring Capital, Santa Barbara, California.** The project proposed to develop an integrated mixed-use development in an existing developed lot along Arroyo Burro Creek. The project would construct residential apartments with commercial retail space. Performed a site visit and assisted with the production of a BRAR to provide the City of Santa Barbara with an updated analysis and assessment for the Arroyo Burro Creek buffer zone. The BRAR documented existing conditions, vegetation mapping, provided a creek buffer assessment, potential for special-status species to occur, and recommended mitigation.

**Jalama Beach Affordable Overnight Accommodation, County of Santa Barbara, California.** The project proposed to develop new RV cabins and associated support facilities in the existing Jalama Beach Park campground. Performed site visits to assess existing conditions, potential for special-status species to occur, perform a California red-legged frog protocol-level survey, and monarch overwintering habitat survey. Throughout the project, prepared the Biological Resources section of an IS/MND, focused wildlife and floristic survey report, and recommended mitigation measure to avoid sensitive biological resources and recommend Environmental Sensitive Habitat Area buffers from limits of project construction.

**Dry Canyon Project, Dawson Technical LLC, Ventura County, California.** The project activities involved sampling various specified locations for the presence of unexploded ordinances as remediation under the Comprehensive Environmental Response, Compensation, and Liability Act. Provided biological support for site investigation and soil sampling. Specifically, provided biological monitoring and documentation to avoid and minimize impacts on biological resources. Efforts included pre-activity clearance surveys, flagging sensitive species and resources within the sampling transects, and provided worker education training. Produced a final report documenting the methods and results of biological monitoring.

**Bacara Consent Restoration Plan, SB Luxury Resort LLC c/o Ohana Real Estate Investors, Goleta, California.** As a result of a California Coastal Commission Cease and Desist Order and Consent Restoration Order, the project involved restorative grading, implementing native habitat revegetation, mitigation, and implementing long-term monitoring. Assisted with on- and off-site restoration monitoring, including installation monitoring, quantitative and qualitative monitoring, post-storm visits to assess the functionality of straw wattles, nesting bird surveys, and photo documentation. Assisted with the preparation of a supplemental BTR for the proposed demolition and relocation of the existing beach house. The BTR described the existing conditions, potential project impacts, and recommended measures for impacts.

**Cabrillo Business Park, Sares-Regis Group, Goleta, California.** The project involved the request for a 23-parcel lot split, rezone, general plan amendment, and development plan approval. On-site constraints included airport safety overlays, wetlands, and archaeologically sensitive areas. Provided biological construction monitoring of fence installations adjacent to sensitive wetland resources.

**Guadalupe Dunes Asphalt Road Removal, County of Santa Barbara, California.** The project involved the removal of approximately 0.36 miles of an eroded access road within the Rancho Guadalupe Dunes Park. Provided biological construction monitoring for the avoidance of impacts to native dune vegetation, wetlands, and aquatic habitats of the Santa Maria River.

# Andrea Dransfield

## Biologist

Andrea Dransfield (*AN-dree-uh DRANZ-feeld; she/her*) is a biologist with 10 years' experience in marine and terrestrial biological surveys, water quality monitoring and reporting, habitat assessment, construction monitoring, habitat restoration and geographic information system (GIS) analysis. She is California Department of Fish and Wildlife (CDFW) trained in stream habitat surveys, and identifying and monitoring special-status species such as the California red-legged frog (*Rana draytonii*), Southern California steelhead (*Oncorhynchus mykiss*), as well as invasive species including red swamp crawfish (*Procambarus clarkia*) and Quagga mussels (*Dreissena bugensis*). She is National Park Service trained in monitoring water quality in streams, habitat restoration, plant propagation, and invasive species control. Ms. Dransfield has conducted biological surveys for terrestrial and aquatic species, conducted construction monitoring, performed geotechnical surveys, and conducted reviews of aquatic species reports for coastal development and resource management projects. She has extensive experience providing biological and water resources services for infrastructure projects, including extensive construction monitoring for compliance as well as worker environmental training. Additional experience includes industrial stormwater sampling, construction site Stormwater Pollution Prevention Plan (SWPPP) Best Management Practice (BMP) monitoring and reporting for Stormwater Multiple Application and Report Tracking System, and coordinating and facilitating MS4 stormwater programs.

## Project Experience

### Development

**Hollister Ranch Biological Support, HR-2011 LLC, Santa Barbara County, California.** Conducted a biological assessment and provided planning support for the expansion of an existing barn on Hollister Ranch, in unincorporated Santa Barbara County. Working as a team, conducted a field survey of the project site and surrounding area to determine existing conditions, identify habitats for potential presence of special-status species, determine additional focused biological technical studies and potential biological impacts (direct and indirect) that may occur from development of the project, as well as vegetation mapping and a determination of top-of-bank and edge of riparian vegetation associated with Agua Caliente Creek. Prepared the Biological Assessment Report.



Andrea Dransfield

*San Francisco State University  
MA, Geography, Resource Use and  
Environmental Planning, 2013*

*Brandon University  
BSc, Environmental Science and  
Zoology, 2008*

### **Certifications**

*BOEM/JNCC Marine Mammal  
Observer (MMO)*

*Passive Acoustic Monitoring (PAM)  
NMFS/CDFW *Caulerpa taxifolia* ID  
24-Hour HAZWOPER*

*ArcGIS, Marxan, and STATA*

### **Professional Affiliations**

*California Stormwater Quality  
Association (CASQA)*

*Santa Barbara County Association  
of MS4 Managers (SBCAMM)*

*Oiled Wildlife Care Network*

*USFWS BeachCombers*

*The Wildlife Society for  
Conservation Biology*

**Toro Canyon Road Project, Reece Duca, Santa Barbara, California.** Conducted construction monitoring at this private residence. Conducted worker environmental awareness training, provided biological guidance for fence post locations to avoid removing/cutting/trimming vegetation, monitored fence post and fence installation, documented worker activities and methods for avoiding removal/cutting/trimming, and documented species and size of branches cut. Compiled the biological memorandum.

**Cabrillo Business Park Wetland/Upland Mitigation and Restoration, Santa Barbara Realty Development LLC, Goleta, California.** Conducted biological monitoring visits to evaluate the progress of the contractor's restoration and mitigation container plant plantings, hydroseed, irrigation, grow-kill, and maintenance/weeding. Qualitative and quantitative restoration monitoring for the Cabrillo Business Park Wetland/Mitigation sites involving documentation from photo points, assessing vegetation, and using transects with point counts to assign a qualitative measure to restoration efforts.

**Paradiso del Mare and Dos Pueblos Naples Environmental Feasibility Studies, CPH Dos Pueblos Associates, Santa Barbara, California.** Conducted construction monitoring for tree trimming/removal, which involved worker environmental awareness training. Provided biological guidance for tree removal and documented worker activities and methods for avoiding removal/cutting/trimming. Compiled a biological memo and daily field reports. Conducted surveys for special-status species, such as white-tailed kite (*Elanus leucurus*) and savannah sparrow (*Passerculus sandwichensis*). Conducted noise level analysis for coastal development projects to prevent disturbance to harbor seals (*Phoca vitulina*) at haulout sites. Contributed to the final biological report.

**Private Residence, Goleta, California. Sandman Mixed-Use Condition Compliance, Franciscan Developments Inc., Santa Barbara, California. Sansum Cancer Center, G.L. Bruno Associates Inc., Santa Barbara, California. Cabrillo Business Park Lots 8 and 11, Investec Real Estate Companies, Goleta, California. Former Petroleum Refinery Environmental Consulting, Confidential Client, Ventura County, California.** Conducted weekly/quarterly SWPPP inspections using Dudek's data collection and reporting tool, stormwater sampling to measure pH and turbidity, storm inspections, data uploading requirements to Stormwater Multiple Application and Report Tracking Systems, and Rain Event Action Plans. Responsible for following SWPPP protocols and ensuring regulatory compliance, construction site stormwater BMP monitoring, producing reports, and working with clients to ensure SWPPPs are effective.

## Energy

**Edwards Solar, Edwards Solar LLC, Edwards Air Force Base, California.** Conducted a Jurisdictional Determination (JD) at a 3,000-acre site in Kern County for the Edwards Air Force Base (EAFB) Solar Project. The JD was conducted using the ordinary high-water mark as outlined in *A Field Guide to the Identification of the Ordinary High-Water Mark (OHWM) in the Arid West Region of the Western United States*. Jurisdictional waters of the United States were assessed as per the Rapanos guidance issued by the U.S. Army Corps of Engineers (ACOE). Wetlands were delineated using the *1987 Corps of Engineers Wetlands Delineation Manual* and Regional Supplement to the *ACOE Wetland Delineation Manual: Arid West Region*. Waters of the state were delineated based on watercourse characteristics present in the field, based on the *CDFW A Review of Stream Processes and Forms in Dryland Watersheds* and the *Methods to Describe and Delineate Episodic Stream Processes on Arid Landscapes for Permitting Utility-Scale Solar Power Plants*.

**Confidential Solar Energy Project, Stanislaus County, California.** Conducted biological surveys for special-status species including San Joaquin kit fox (*Vulpes macrotis mutica*), Swainson's hawk (*Buteo swainsoni*), western burrowing owl (*Athene cunicularia*), and American badger (*Taxidea taxus*) on the property. Compiled the wildlife compendium and contributed to the final report. This project involved walking transect lines and recording data on Dudek's data collection and reporting tool and using Avenza PDF maps for navigation.



**South Lake Solar Energy Project, Boulevard Associates, LLC, Fresno County, California.** The South Lake Solar Energy Project is a 585-acre site located in Fresno County, California. The project will include an interconnection to the Pacific Gas and Electric Company's Five Points Substation being built adjacent to the Westside/Whitney Solar Project. Solar projects are planned in a phased development for the project site. The first phase of the project is proposed to be a nominal 20-megawatt (MW) facility located on approximately 180 acres at the northwest intersection of South Lake and West Jeffery Avenues. The remainder of the project site is anticipated to support up to an additional 60 MW in multiple phases. Aided in preparation of the biological technical report.

**Confidential Energy Project, Kern County, California.** Kern County is the lead agency for the approximately 2,102-acre solar project proposed by a confidential energy client. The project proposes to develop a photovoltaic (PV) solar facility and associated infrastructure necessary to generate a combined 300 MW of renewable electrical energy and/or energy storage capacity. Conducted botanical surveys utilizing GPS units and Dudek's data collection and reporting tool to map rare species.

**Proxima Solar Phase I Environmental Site Assessment, Boulevard Associates, LLC, Stanislaus County, California.** Boulevard Associates, LLC, is proposing to construct a solar PV and energy storage facility on the above-referenced property. The project would involve the installation of solar arrays, collection system, two 260-foot by 520-foot energy storage structures, a new 230-kilovolt switchyard/substation, and associated overhead tower and line tap, as well as security fencing and access roads. Compiled the wildlife compendium and aided in preparation of the biological technical report.

**Proxima Solar Valley Elderberry Longhorn Beetle Project, Boulevard Associates, LLC, Stanislaus County, California.** Assessed the potential project impacts on the federally threatened Valley elderberry longhorn beetle (*Desmocerus californicus dimorphus*, VELB) for the proposed Proxima Solar Development Project. Conducted protocol VELB surveys on all elderberry trees on the Proxima Solar property. The assessment of VELB occurrence was based on surveys for exit holes on the stems/branches of elderberry shrubs, information on historical VELB occurrences, and the historical locations of riparian habitat.

**Little Bear Solar, Little Bear Solar, LLC., Fresno, California.** The project consisted of the development of a solar PV power generating project on approximately 1,266 acres of private agricultural lands in western Fresno County. Assisted with the preparation of the final habitat assessment and suitability report and literature review.

**Coles Levee Habitat Conservation Plan, Confidential Energy Client, Bakersfield, California.** Completed biological surveys for several listed botanical and wildlife species, such as blunt-nosed leopard lizard (*Gambelia sila*; BNLL), San Joaquin kit fox, giant kangaroo rat (*Dipodomys ingens*), San Joaquin antelope squirrel (*Ammospermophilus nelsoni*), western burrowing owl, and San Joaquin Le Conte's thrasher (*Toxostoma lecontei*). The project involved working in teams, walking transect lines and recording data on Dudek's data collection and reporting tool, using Avenza PDF maps for navigation, coordinating subconsultants field survey schedules, survey tracking, and data quality assurance/quality control (QA/QC). Qualified as a Level I BNLL surveyor and completed the client workshop that focused on identifying hazards in the field and leading work on client property.

**Confidential Energy Project, Kern County, California.** Completed biological surveys for giant kangaroo rat, while also collecting data on other special-status wildlife, such as BNLL, San Joaquin kit fox, San Joaquin antelope squirrel, western burrowing owl, and San Joaquin Le Conte's thrasher. This project involved walking transect lines and recording data on Dudek's mobile field data collection app, using Avenza PDF maps for navigation, acting as the team Person in Charge, and data management.

## Municipal

**City of Goleta Public Works, City of Goleta, California.** Coordinating the City of Goleta's stormwater management program. This program protects water quality in accordance with the Regional Water Quality Control Board (RWQCB) pursuant to National Pollution Discharge Elimination System requirements. Assisting the City in meeting MS4 requirements, adopting the Santa Barbara County Stormwater Technical Guide for Low Impact Development, and implementing the City's Stormwater Management Plan. This involves water quality sampling, dry-weather sampling of outfalls, pollution prevention and facilities maintenance, Illicit Discharge Detection and Elimination (IDDE), and community education and outreach. With regards to construction projects, the MS4 requirements include construction plan reviews, providing contractor BMP training, BMP inspections, and final Stormwater Control Measure inspections to ensure compliance.

**Wharf Master Plan Environmental Impact Report, City of Santa Cruz, California.** The Santa Cruz Wharf extends into the Monterey Bay between Cowell and Main Beaches for a distance of approximately a half a mile and is owned and operated by the City of Santa Cruz. The proposed improvements would expand the Wharf by approximately 2.5 acres and as a result, sections of the wharf devoted to public access, recreation, and open space would increase from 26% to 60%. The Wharf Master Plan includes ten policies and supporting actions that address the preservation, restoration, improvement, and management of the Wharf over time. The environmental impact report (EIR) considers the impacts of the implementation of the Wharf Master Plan. Provided input to the Santa Cruz Wharf Master Plan EIR Biological Resources Section on special-status species and impacts to marine mammals.

**On-Call Environmental Services, Los Angeles Department of Water and Power, California.** Served as construction monitor, as per the requirements of the Biological Opinion issued by USFWS to the Los Angeles Department of Water and Power (LADWP) for the reissuance of a Regional General Permit for ongoing maintenance activities at local power plants. Worked to protect species at risk, including the arroyo toad (*Bufo californicus*) and California red-legged frog and provided environmental education to each construction crew member. Was present on site during any activity that may affect special-status species, including initial ground disturbance, installation of exclusionary fencing, vegetation clearing prior to or during excavation, and removal of invasive plants.

## Resource Management

**Bacara Consent Restoration Plan, SB Luxury Resort LLC c/o Ohana Real Estate Investors, Goleta, California.** Conducted qualitative and quantitative monitoring of the habitat restoration at the Bacara restoration and Ellwood mitigation sites as per the Bacara Resort and Spa Consent Orders Restoration Plan. This involved inspecting and maintaining erosion controls measures, non-native species eradication, trash and debris removal, and the health and abundance of existing vegetation and/or vegetation planted under these consent orders pursuant to the Revegetation and Mitigation Plans. Compiled quarterly and annual reports.

## Water/Wastewater

**Los Angeles Reservoir Ultra-Violet Plant Monitoring, LADWP, California.** Assisted LADWP, Environmental Planning and Assessment with biological survey and monitoring support in compliance with regulatory permits issued for the Los Angeles Reservoir (LAR) Ultra-Violet (UV) Plant Project (the Project). The Project is located within the LADWP-owned Van Norman Complex in the Granada Hills/Sylmar area of the San Fernando Valley. The Project includes the installation of a 144-inch inlet pipe and a 12-inch drain line that cross an existing jurisdictional drainage channel. Conducted general biological surveys, nesting bird surveys, construction monitoring during activities in the streambed (as per the CDFW Streambed Alteration Agreement), and prepared the training PowerPoint for on-site worker education.

# Mackenzie Forgey

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## Associate Biologist

Mackenzie Forgey (*mah-KEN-zee for-GHEE; she/her*) is a biologist with 4 years' experience working throughout Southern California, the Central Coast, and the Central Valley. Ms. Forgey has extensive field experience having conducted special-status plant species surveys, vegetation community mapping, jurisdictional aquatic resource delineations, habitat restoration monitoring, focused special-status wildlife species surveys, nesting bird and raptor surveys, and construction monitoring within a variety of California ecosystems. She has strong technical writing skills having assisted with biological technical reports, biological assessments for Endangered Species Act Section 7 Consultation, wetland permitting application materials, annual monitoring reports, jurisdictional aquatic resource delineation reports, as well as various focused survey reports.



Mackenzie Forgey

## Project Experience

### Development

**Sterling Gateway Project, IAC SG Witherspoon SPE LLC, Castaic, California.** Performed habitat restoration monitoring in compliance with the mitigation requirements of relevant permits for a large commercial development site. Evaluating site conditions and progress against established performance criteria for three types of habitats installed as mitigation for the project, including coastal sage scrub, box springs goldenbush scrub, and native grassland revegetation. Also conducting monitoring and evaluation of seeded slender mariposa lily (*Calochortus clavatus* var. *gracilis*) mitigation plots located within restoration areas and established conservation easements, ensuring plots are maintained in good condition throughout the extent of the five-year mitigation and monitoring period, and monitoring for growth of the species to meet project mitigation objectives.

**Cancer Foundation of Santa Barbara, City of Santa Barbara, California.** Assisted the preparation of a Riparian Restoration and Enhancement Plan outlining plant palettes and performance criteria for the revegetation required by the City of Santa Barbara for development along the portion of the property that abuts the Mission Creek corridor. Performed native revegetation installation monitoring, long-term revegetation monitoring, and coordination with landscape maintenance crews.

**Rare Plant Surveys and Long-term Habitat Restoration Monitoring, Cabrillo Business Park, City of Goleta, California.** Performed rare plant surveys for southern tarplant (*Centromadia parryi* ssp. *australis*) and slender aster (*Symphotrichum subulatum* var. *parviflorum*) among other species within the mitigation area established for the development of a commercial business park. Conducted long-term habitat restoration quantitative and qualitative monitoring data collection and assisted in the preparation of annual reports in compliance with agency permits.

### **Education**

University of California,  
Santa Barbara  
BS, Ecology and Evolution, 2016  
BS, Environmental Studies, 2016

### **Certifications**

International Society of  
Arboriculture, Certified Arborist  
WE--13281A

### **Professional Affiliations**

The Wildlife Society  
California Native Plant Society

**Pala Mesa Project, Beazer Homes Holding Corporation, Fallbrook, California.** Conducted biological construction monitoring for planned development at the Pala Mesa project site. Consisted of general stormwater Best Management Practices (BMP) spot checks and review of construction activities along and within an open space preserve boundary with coastal California gnatcatcher (*Polioptila californica californica*) occupied coastal sage scrub habitat. Included California gnatcatcher nest monitoring within an active construction buffer zone.

**Portola NE Biological Monitoring, Baldwin & Sons LLC/Newport, Lake Forest, California.** Served as on-site biological monitor during construction activities for the Portola NE residential development project in Lake Forest. Monitored sensitive species presence adjacent and within the active construction site including coastal California gnatcatcher and burrowing owl (*Athene cunicularia*) and coordinated with construction crews to ensure no impacts to sensitive species would occur.

**Laurel Creek, Encore Housing Opportunity Fund, Vista, California.** Conducted biological construction monitoring in support of the Laurel Creek residential housing development project, focused on stormwater BMP spot checks and compliance review of construction activities adjacent to a jurisdictional stream channel and associated riparian corridor that bisects the project site.

**North River Farms Project, NRF Project Owner LLC, Oceanside, California.** Conducted a habitat assessment for the federally endangered Stephens' kangaroo rat (*Dipodomys stephensi*) within the mixed-use community development project site located adjacent to the San Luis Rey River and wrote a memo with supporting documentation to describe site conditions and evaluate potential for Stephens' kangaroo rat to occur.

**Torrey Highlands Office Project, The Preserve at Torrey Highlands LLC, San Diego, California.** Wrote an aquatic resources delineation report, authored a biological assessment for Section 7 Consultation to analyze potential impacts to San Diego fairy shrimp and coastal California gnatcatcher, and prepared permitting applications for U.S. Army Corps of Engineers, Regional Water Quality Control Board, and California Department of Fish and Wildlife (CDFW) to permit impacts to jurisdictional aquatic resources anticipated as a result of the commercial development project.

**Hidden Canyon Project, San Diego County, California.** Produced sections of a Biological Technical Report prepared for County of San Diego approval in support of the residential development project. Included analyzing and describing project impacts to biological resources as well as evaluating selected special-status plant and wildlife species' potential to occur within the project site.

**Otay Ranch Resort Site Village 13, Moller Otay Lakes Investments LLC, Chula Vista, California.** Prepared sections for a Biological Assessment required for Environmental Site Assessment Section 7 Consultation to analyze impacts to federally endangered species, including San Diego fairy shrimp (*Branchinecta sandiegonensis*) and Quino checkerspot butterfly (*Euphydryas editha quino*) within the development project site.

## Municipal

**Westmont Road Storm Drain Rehabilitation Project, City of Santa Barbara, California.** Performed construction monitoring and oversaw regulatory compliance on-site during active construction of a rehabilitated storm drain adjacent to Westmont Road which conveys flows into Sycamore Creek. Assisted with weekly and post-construction implementation reporting in compliance with the relevant regulatory requirements. Performed habitat restoration monitoring of the mitigation implementation, including assessing the delivered container plants and monitoring plant installation and seed application. Currently performing long-term habitat restoration monitoring for the three-year monitoring period focusing on compliance with the habitat mitigation and monitoring plan prepared by Dudek for this project in addition to regulatory agency permit requirements.

**El Estero Drain, City of Santa Barbara, Santa Barbara, California.** Performed long-term monitoring of the restoration project associated with the El Estero Wastewater Treatment Plant, including oversight of all restoration

activities conducted by the Landscape Contractor, regular restoration monitoring and associated reporting, and planning for ongoing restoration work as needed.

**Rincon Multi-Use Trail, City of Carpinteria, California.** Performed an updated biological reconnaissance survey to assess potential biological constraints and extensively updated the biological resources section of the Focused Environmental Impact Report (FEIR) prepared for the multi-use trail and bike path project.

**Sycamore Canyon Water Pipe Replacement Project, City of Santa Barbara, California.** Conducted a biological reconnaissance survey to identify potential biological constraints and wrote a biological resources assessment report incorporating recommended mitigation measures to support the project which consisted of the replacement of a water pipe spanning across Sycamore Creek.

**Braemar Lift Station Rehabilitation Project, City of Santa Barbara, California.** Conducted a biological reconnaissance survey to identify potential biological constraints and wrote a biological resources assessment report to support the rehabilitation of the Braemar Lift Station in Santa Barbara. This report was prepared to support the City's application for the Clean Water and Drinking Water State Revolving Fund, and thus included additional information and analysis on a variety of biological-related federal regulations, including the Bald and Golden Eagle Protection Act, Coastal Barriers Resources Act, Coastal Zone Management Act, Endangered Species Act, Fish and Wildlife Coordination Act, Magnuson-Stevens Fishery Conservation and Management Act, Marine Mammal Protection Act, Migratory Bird Treaty Act, Protection of Wetlands, Rivers and Harbors Act (Section 10), Floodplain Management (Executive Order 11988), Federal Flood Risk Management Standard (Executive Order 13690), Safe Drinking Water Act / Sole Source Aquifer Protection), Wild and Scenic Rivers Act, and the Wilderness Act.

## Energy

**Confidential Energy Project and Client, Southern California.** Conducted focused surveys for the federally endangered Gaviota tarplant (*Deinandra increscens* ssp. *villosa*) in addition to general rare plant surveys and rare vegetation community surveys within the nearly 3,000-acre project site in 2019 and 2020. Included applying population estimation subsampling methods and techniques in the field to quantify Gaviota tarplant populations that were not feasible to count. Target species for general rare plant surveys included black-flowered figwort (*Scrophularia atrata*), ocellated humboldt lily (*Lilium humboldtii* ssp. *ocellatum*), mesa horkelia (*Horkelia cuneata* var. *puberula*), Kellogg's horkelia (*Horkelia cuneata* var. *sericea*), and south coast branching phacelia (*Phacelia ramosissima* var. *australitoralis*) among other special-status plant species. Performed a *Horkelia cuneata* assessment with other Dudek botanists as the specimens observed on-site exhibited characteristics of all three varieties, therefore assisted with applying a method of assigning scores to a key characteristics and then assigning variety based on which characteristics scores best fit the variety descriptions for populations on-site. Serving as a Designated Botanist approved by CDFW based of previous botanical experience to monitor construction and ensure compliance with the Incidental Take Permit issued for the project, particularly in relation to Gaviota tarplant impacts. Conducting bi-monthly raptor and eagle surveys utilizing five-point locations across the project site and recording all species detected, associated flight paths, and time flying within the rotor swept zone.

**Edwards Solar, Edwards Air Force Base, California.** Assisted with a formal jurisdictional delineation of wetlands and waters within a segment of Edwards Air Force Base (EAFB) slated for a proposed solar energy operation. Specifically, the wetland delineation included mapping waters defined in the *Methods to Describe and Delineate Episodic Stream Processes on Arid Landscapes for Permitting Utility-Scale Solar Power Plants* (CEC 2014). Performed a rare plant survey within the project site targeting alkali mariposa lily (*Calochortus striatus*), desert cymopterus (*Cymopterus deserticola*), recurved larkspur (*Delphinium recurvatum*), Bartow woolly sunflower (*Eriophyllum mohavense*), and sagebrush loeflingia (*Loeflingia squarrosa*).

**Imperial Solar Energy Center West, Confidential Energy Client, El Centro, California.** Assisted with leading the winter 2017–2018 season avian surveys at Imperial Solar Energy Center (ISEC) West, and managed data for the various trials conducted on site. Coordinated and performed carcass persistence trials to determine the rate of natural predation, and utilized camera traps on a percentage of carcasses to identify active and present predators in the area. Organized and conducted searcher efficiency trials to determine how many mortalities biological monitors may miss during their surveys. These trials will help inform on-site avian mortality data by better accounting for mortalities either rapidly predated or simply undetected.

**Calcite Solar, Confidential Energy Client, San Bernardino County, California.** Assisted with a formal jurisdictional delineation of jurisdictional aquatic resources at the Calcite Solar site in the Mojave Desert. The delineation included mapping waters defined in the *Methods to Describe and Delineate Episodic Stream Processes on Arid Landscapes for Permitting Utility-Scale Solar Power Plants* (CEC 2014).

## Resource Management

**Chatsworth Reservoir, Los Angeles Department of Water and Power, Chatsworth, California.** Assisted with rare plant surveys and vegetation community mapping across 400+ acres of Chatsworth Reservoir to support a feasibility study to determine potential use of the preserve as mitigation lands for Los Angeles Department of Water and Power project impacts. Target rare plants species include Santa Susana tarplant (*Deinandra minthornii*), southern tarplant, Nevin's barberry (*Berberis nevinii*), Catalina mariposa lily (*Calochortus catalinae*), Pierson's morning glory (*Calystegia peirsonii*), San Fernando valley spineflower, many-stemmed dudleya (*Dudleya multicaulis*), and white-veined monardella (*Monardella hypoleuca* ssp. *hypoleuca*) among other special-status plant species. Authored an ecological assessment summarizing findings from the various biological surveys conducted on-site.

## Transportation

**Mid-Coast Corridor Transit Project, Mid-Coast Transit Constructors, San Diego Association of Governments, San Diego, California.** Conducted biological construction monitoring along the construction corridor throughout project site to ensure compliance with stormwater BMPs. Oversaw vegetation removal, performed nesting bird surveys, and reviewed jurisdictional wetland areas within project bounds. Responsibilities included nest monitoring of red-tailed hawk (*Buteo jamaicensis*) nests located near the project footprint during construction activities.

**Elvira to Morena Double Track and San Diego River Bridge Double Track, North County Transit District, San Diego, California.** Performed biological construction monitoring along the construction corridors of the double track projects. Conducted daily Ridgway's rail (*Rallus obsoletus levipes*) surveys within the project footprint to clear construction activities in the area for the San Diego River Bridge Double Track Project in compliance with project permits.

## Tribal

**Natural and Cultural Resources Management Plan Environmental Services, Sycuan Band of the Kumeyaay Nation, El Cajon, California.** Conducted annual botanical monitoring at designated data stations throughout various unique habitat types in accordance with the monitoring protocol described in the Sycuan Natural and Cultural Resources Management Plan.

# Isabelle Radis

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## Biologist

Isabelle Radis (*IZ-ah-bell RAY-diss; she/her*) is a biologist with 1 year experience in the environmental field. Ms. Radis has experience performing habitat restoration and monitoring in both Northern and Central California, including for the state- and federally listed southern mountain yellow-legged frog (*Rana muscosa*) and Sierra Nevada yellow-legged frog (*Rana sierrae*). Ms. Radis has studied creek wildlife corridors through collection and review of wildlife camera data and performed surveys for wildlife tracks and sign within creeks. She has experience with data analysis, technical report writing, and has strong field skills, having assisted with a variety of fieldwork. Ms. Radis has performed a variety of biological field surveys and monitoring, including burrow surveys, vegetation mapping, wetland delineations, riparian bird surveys, and wildlife tracks and sign surveys, as well as the monitoring of amphibian populations, spread of chytridiomycosis fungus, and eradication efforts of the Argentine ant (*Linepithema humile*).



Isabelle Radis

### **Education**

*University of California,  
Santa Barbara*

*MESM, Environmental Science and  
Management, 2020*

*University of California, Berkeley  
BS, Conservation and Resource  
Studies, 2018*

### **Certifications**

*Wilderness First Responder*

## Project Experience

### **Citywide Wildlife Corridor and Tracking Studies, City of Goleta, California.**

Served as the main field biologist for a wildlife corridor and tracking study in 12 creeks located within the City of Goleta boundaries to understand wildlife usage and movement within these creeks to inform future management actions associated with the Creek and Watershed Management Plan. Collected and analyzed camera data associated with more than 15 cameras stationed throughout the creeks. Responsible for visiting cameras weekly and analyzing camera data. Assisted with wildlife tracking surveys to identify additional movement activity near the creeks. Analyzed results and assisted with writing the report for this project. (2020)

**Citywide Riparian Bird Study, City of Goleta, California.** Assisted with riparian bird surveys and report. The project comprised a riparian bird study in creeks within the City of Goleta to document riparian bird use and the suitability of habitat for riparian bird species. This study was conducted to inform future management actions associated with the Creek and Watershed Management Plan. (2020)

**Creeks and Watershed Management Plan, City of Goleta, California.** Assisted in the development of a Creeks and Watershed Management Plan for the City of Goleta. The plan provided detailed standards and recommended practices for protecting proper ecological function, water quality, drainage, and flood control for creeks within the City of Goleta. Incorporated suggested edits from a technical advisory committee following review of the plan. (2020)

**Mountain View I and II Repower Project, AES North American Development LLC, California.** Assisted with the preparation of the environmental settings section of a jurisdictional waters assessment and jurisdictional delineation for the Mountain View I and II Repower Project. (2020)

**Joshua Tree Census for Confidential Project/Client, California.** Assisted field efforts to survey Joshua trees (*Yucca brevifolia*) in accordance with California Fish and Wildlife (CDFW) Commission to build a census of Joshua trees within the project site. Surveys consisted of conducting transects through the project site to collect photo and location information at encountered Joshua trees. (2020)

**Sycamore Creek Biological Resource Assessment, City of Santa Barbara, California.** Conducted literature review, site visit, and analysis for biological resources surrounding proposed construction of a water main pipeline adjacent to Alameda Padre Serra and crossing Sycamore Creek. Assisted with report writing, vegetation mapping, and report tables. (2020)

**Carpinteria Biological Resources Assessment, Louis Armstrong & Associates, Santa Barbara, California.** Conducted literature review, site visit, and analysis for biological resources at and surrounding proposed greenhouse development for cannabis cultivation. Assisted with report writing and report tables. (2020)

**Potrero Hills Landfill Phase II Expansion, Waste Connections Inc, Solano, California.** Assisted with updating the Potrero Hills annual report with the results from 2020 surveys and monitoring. Entered, analyzed, and formatted data from 2020 botanical field surveys. (2020)

**Neal Road Recycling and Waste Facility Composting Project, County of Butte, California.** Drafted the Biological Resources section of a Mitigated Negative Declaration for a composting facility in Butte County. (2020)

**Braemar Lift Station Rehabilitation Biological Assessment, City of Santa Barbara, California.** Conducted a site visit and literature review for the assessment of biological resources located on site. Assisted in preparation of report tables. (2020)

**Ben Clark Training Center, Riverside Community College District, California.** Analyzed sensitive biological resources potentially occurring on site and drafted the biological resources section of a Mitigated Negative Declaration. (2021)

**Burrow Surveys, Vegetation Mapping, and Jurisdictional Wetland Delineation surveys, Department of Water Resources, California.** Performed burrow surveys, vegetation mapping, and jurisdictional wetland delineation along the California Aqueduct for the development of a Habitat Conservation Plan. (2021)

**Jurisdictional Wetland Delineation, Scarlet LLC, City/county?, California.** Performed wetland delineations at a proposed solar development site to identify jurisdictional wetlands. Identified U.S. Army Corps of Engineers, Regional Water Quality Control Board, and CDFW jurisdiction. (2021)

## Relevant Previous Experience

**Biological Science Technician (GS-5), Yosemite National Park, California.** Yosemite National Park is working to restore aquatic alpine lake habitat for the state and federally listed Sierra Nevada yellow-legged frog in select alpine lake basins throughout the Park. Assisted alpine lake restoration efforts using electrofishing and gillnets to improve habitat for the Sierra Nevada yellow-legged frog. Conducted amphibian surveys and assisted with the translocation of the Sierra Nevada yellow-legged frog into basins with restored alpine lake habitat. (2019)

**Biological Science Technician (GS-4), Sequoia and Kings National Parks, California.** Sequoia and Kings National Parks are working to restore alpine lake habitat for the state and federally listed southern mountain yellow-legged frog and Sierra Nevada yellow-legged frog throughout the National Parks. Assisted alpine lake restoration efforts using electrofishing and gillnets to improve habitat for the Sierra Nevada yellow-legged frog. Conducted amphibian surveys and assisted with collecting skin swabs samples to monitor the spread of chytridiomycosis. (2018)



**Field Technician, The Nature Conservancy, Santa Cruz Island, California.** Part of the Nature Conservancies' Santa Cruz Island Reserve was invaded by the Argentine ant, a non-native, invasive ant species. Assisted the Nature Conservancy with eradication efforts. Set out ant baits and worked with a search dog to monitor for remaining Argentine ant populations on the Santa Cruz Island Preserve. (2017)

**Research Assistant, Power Lab, University of California, Berkeley.** Assisted Dr. Mary Power with analyzing streamflow effects on salmonid feeding behavior. (2016–2017)

## Specialized Training

**Ecological Principles, University of California, Santa Barbara.** Studied principles of ecology with an emphasis on conservation, resource management, ecological effects of pollution, and habitat fragmentation. (2020)

**Geographical Information Systems, University of California, Santa Barbara.** Studied theory and practice of geographic information systems. (2020)

**Wildlife Tracking Workshop, Ventura County, California.** Participated in a workshop on Southern California animal tracks, scat, and sign by Ventura County Wildlife Trackers. The workshop involved two full days in the field interpreting and identifying animal tracks. (2020)

**Environmental Law, University of California, Santa Barbara.** Studied the legal system and how it relates to environmental issues. (2019)

**Principles and Practice of Environmental Planning, University of California, Santa Barbara.** Studied the principles and processes of land use planning. (2019)

**Data Analysis, University of California, Santa Barbara.** Trained in environmental statistical analysis through R and R Studio. (2018)

# APPENDIX B

## Billing Rates

**Imperial Solar Energy Center West, Confidential Energy Client, El Centro, California.** Assisted with leading the winter 2017–2018 season avian surveys at Imperial Solar Energy Center (ISEC) West, and managed data for the various trials conducted on site. Coordinated and performed carcass persistence trials to determine the rate of natural predation, and utilized camera traps on a percentage of carcasses to identify active and present predators in the area. Organized and conducted searcher efficiency trials to determine how many mortalities biological monitors may miss during their surveys. These trials will help inform on-site avian mortality data by better accounting for mortalities either rapidly predated or simply undetected.

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### BILLING RATES

Name	Billing Title and Role	Hourly Rate
John Davis IV	Senior Specialist IV / Principal, Senior Ecologist	\$230.00
Tricia Wotipka	Senior Specialist III / Senior Wetland Specialist	\$220.00
Dave Compton	Senior Specialist I / Senior Wildlife Biologist	\$190.00
Heather Moine	Specialist V / Botanist, Restoration Specialist	\$180.00
Melissa Blundell	Specialist III / Wildlife Biologist, Permitting Specialist	\$160.00
Andrea Dransfield	Specialist II / Biologist, Marine Specialist	\$145.00
Mackenzie Forgey	Analyst V / Botanist, Restoration Specialist	\$120.00
Isabelle Radis	Analyst I / Biologist	\$80.00

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**OFFICES**

**San Diego**

800.450.1818

**Orange County**

949.450.2525

**Inland Empire**

951.300.2100

**Los Angeles**

626.204.9800

**Coachella Valley**

760.341.6660

**Central Coast**

805.963.0651

**Bay Area**

415.758.9833

**Sacramento**

916.443.8335

**Sierra Foothills**

530.885.8232

**ONLINE**

[info@dudek.com](mailto:info@dudek.com)

[Dudek.com](http://Dudek.com)

[facebook.com/dudeknews](https://facebook.com/dudeknews)

**DUDEK**  
**2021 STANDARD SCHEDULE OF CHARGES**

**ENGINEERING SERVICES**

Project Director.....	\$295.00/hr
Principal Engineer III.....	\$275.00/hr
Principal Engineer II.....	\$265.00/hr
Principal Engineer I.....	\$255.00/hr
Program Manager.....	\$240.00/hr
Senior Project Manager.....	\$240.00/hr
Project Manager.....	\$235.00/hr
Senior Engineer III.....	\$230.00/hr
Senior Engineer II.....	\$220.00/hr
Senior Engineer I.....	\$210.00/hr
Project Engineer IV/Technician IV.....	\$200.00/hr
Project Engineer III/Technician III.....	\$190.00/hr
Project Engineer II/Technician II.....	\$175.00/hr
Project Engineer I/Technician I.....	\$160.00/hr
Senior Designer.....	\$180.00/hr
Designer.....	\$170.00/hr
Assistant Designer.....	\$165.00/hr
CADD Operator III.....	\$160.00/hr
CADD Operator II.....	\$150.00/hr
CADD Operator I.....	\$135.00/hr
CADD Drafter.....	\$125.00/hr
CADD Technician.....	\$115.00/hr
Project Coordinator.....	\$140.00/hr
Engineering Assistant.....	\$120.00/hr

**ENVIRONMENTAL SERVICES**

Project Director.....	\$245.00/hr
Senior Specialist IV.....	\$230.00/hr
Senior Specialist III.....	\$220.00/hr
Senior Specialist II.....	\$200.00/hr
Senior Specialist I.....	\$190.00/hr
Specialist V.....	\$180.00/hr
Specialist IV.....	\$170.00/hr
Specialist III.....	\$160.00/hr
Specialist II.....	\$145.00/hr
Specialist I.....	\$130.00/hr
Analyst V.....	\$120.00/hr
Analyst IV.....	\$110.00/hr
Analyst III.....	\$100.00/hr
Analyst II.....	\$90.00/hr
Analyst I.....	\$80.00/hr
Technician V.....	\$100.00/hr
Technician IV.....	\$90.00/hr
Technician III.....	\$80.00/hr
Technician II.....	\$70.00/hr
Technician I.....	\$60.00/hr
Compliance Monitor.....	\$95.00/hr

**DATA MANAGEMENT SERVICES**

GIS Programmer I.....	\$185.00/hr
GIS Specialist IV.....	\$160.00/hr
GIS Specialist III.....	\$150.00/hr
GIS Specialist II.....	\$140.00/hr
GIS Specialist I.....	\$130.00/hr
Data Analyst III.....	\$100.00/hr
Data Analyst II.....	\$90.00/hr
Data Analyst I.....	\$80.00/hr
UAS Pilot.....	\$100.00/hr

**CONSTRUCTION MANAGEMENT SERVICES**

Principal/Manager.....	\$195.00/hr
Senior Construction Manager.....	\$180.00/hr
Senior Project Manager.....	\$165.00/hr
Construction Manager.....	\$155.00/hr
Project Manager.....	\$145.00/hr
Resident Engineer.....	\$145.00/hr
Construction Engineer.....	\$140.00/hr
On-site Owner's Representative.....	\$140.00/hr
Construction Inspector III.....	\$130.00/hr
Construction Inspector II.....	\$120.00/hr
Construction Inspector I.....	\$110.00/hr
Prevailing Wage Inspector.....	\$135.00/hr

**HYDROGEOLOGY/HAZWASTE SERVICES**

Project Director.....	\$285.00/hr
Principal Hydrogeologist/Engineer II.....	\$265.00/hr
Principal Hydrogeologist/Engineer I.....	\$250.00/hr
Sr. Hydrogeologist IV/Engineer IV.....	\$235.00/hr
Sr. Hydrogeologist III/Engineer III.....	\$220.00/hr
Sr. Hydrogeologist II/Engineer II.....	\$205.00/hr
Sr. Hydrogeologist I/Engineer I.....	\$190.00/hr
Hydrogeologist VI/Engineer VI.....	\$180.00/hr
Hydrogeologist V/Engineer V.....	\$170.00/hr
Hydrogeologist IV/Engineer IV.....	\$160.00/hr
Hydrogeologist III/Engineer III.....	\$150.00/hr
Hydrogeologist II/Engineer II.....	\$140.00/hr
Hydrogeologist I/Engineer I.....	\$130.00/hr
Technician.....	\$100.00/hr

**DISTRICT MANAGEMENT & OPERATIONS**

District General Manager.....	\$195.00/hr
District Engineer.....	\$185.00/hr
Operations Manager.....	\$160.00/hr
District Secretary/Accountant.....	\$120.00/hr
Collections System Manager.....	\$135.00/hr
Grade V Operator.....	\$125.00/hr
Grade IV Operator.....	\$110.00/hr
Grade III Operator.....	\$100.00/hr
Grade II Operator.....	\$75.00/hr
Grade I Operator.....	\$70.00/hr
Operator in Training.....	\$65.00/hr
Collection Maintenance Worker.....	\$75.00/hr

**CREATIVE SERVICES**

3D Graphic Artist.....	\$180.00/hr
Graphic Designer IV.....	\$160.00/hr
Graphic Designer III.....	\$145.00/hr
Graphic Designer II.....	\$130.00/hr
Graphic Designer I.....	\$115.00/hr

**PUBLICATIONS SERVICES**

Technical Editor III.....	\$145.00/hr
Technical Editor II.....	\$130.00/hr
Technical Editor I.....	\$115.00/hr
Publications Specialist III.....	\$105.00/hr
Publications Specialist II.....	\$95.00/hr
Publications Specialist I.....	\$85.00/hr
Clerical Administration.....	\$90.00/hr

**Forensic Engineering** – Court appearances, depositions, and interrogatories as expert witness will be billed at 2.00 times normal rates.

**Emergency and Holidays** – Minimum charge of two hours will be billed at 1.75 times the normal rate.

**Material and Outside Services** – Subcontractors, rental of special equipment, special reproductions and blueprinting, outside data processing and computer services, etc., are charged at 1.15 times the direct cost.

**Travel Expenses** – Mileage at current IRS allowable rates. Per diem where overnight stay is involved is charged at cost.

**Invoices, Late Charges** – All fees will be billed to Client monthly and shall be due and payable upon receipt. Invoices are delinquent if not paid within 30 days from the date of the invoice. Client agrees to pay a monthly late charge equal to 1% per month of the outstanding balance until paid in full.

**Annual Increases** – Unless identified otherwise, these standard rates will increase 3% annually.

The rates listed above assume prevailing wage rates does not apply. If this assumption is incorrect Dudek reserves the right to adjust its rates accordingly.



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
8/28/2022 8/18/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Lockton Companies 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000	CONTACT NAME:	
	PHONE (A/C, No, Ext):	FAX (A/C, No):
	E-MAIL ADDRESS:	
	INSURER(S) AFFORDING COVERAGE	NAIC #
	INSURER A : Zurich American Insurance Company	16535
	INSURER B : Continental Casualty Company	20443
	INSURER C : American Guarantee and Liab. Ins. Co.	26247
	INSURER D :	
	INSURER E :	
	INSURER F :	

INSURED  
1474534 DUDEK  
605 THIRD STREET  
ENCINITAS CA 92024

COVERAGES CERTIFICATE NUMBER: 16769397 REVISION NUMBER: XXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INER LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR	Y	Y	GLO0146311	8/28/2021	8/28/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:						
A	<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	BAP0146329	8/28/2021	8/28/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX
C	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE	N	Y	AUC0146407	8/28/2021	8/28/2022	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000 DED RETENTION \$ XXXXXXXX
A	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	Y	WC0146330	8/28/2021	8/28/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	PROFESSIONAL LIABILITY	N	N	EEH591932835 INCL POLL	8/28/2021	8/28/2022	PER CLAIM \$1,000,000 AGGREGATE \$1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
RE: ALL OPERATIONS. COUNTY OF SANTA BARBARA ITS OFFICERS, AGENTS AND EMPLOYEES ARE ADDITIONAL INSURED ON GENERAL AND AUTO LIABILITY COVERAGE ON A PRIMARY NON-CONTRIBUTORY BASIS AS REQUIRED BY WRITTEN CONTRACT. WAIVER OF SUBROGATION IN FAVOR OF THE ADDITIONAL INSURED APPLIES ON WORK COMP, GENERAL, AUTO AND UMBRELLA LIABILITY COVERAGE AS REQUIRED BY WRITTEN CONTRACT AND WHERE ALLOWED BY LAW. COVERAGE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE POLICY.

CERTIFICATE HOLDER 16769397 COUNTY OF SANTA BARBARA 105 E. ANATAMU ST, 3RD FLOOR SANTA BARBARA CA 93101-2026	CANCELLATION See Attachments SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE 
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## Architectural & Engineering Services Statement of Facts

California Government Code Section 4529.12 states:

All architectural and engineering services shall be procured pursuant to a fair, competitive selection process which prohibits governmental agency employees from participating in the selection process when they have a financial or business relationship with any private entity seeking the contract, and the procedure shall require compliance with all laws regarding political contributions, conflict of interest or unlawful activities.

4529.10 architectural & engineering services definition: the term architectural and engineering services shall include all architectural, landscape architectural, environmental, engineering, land surveying, and construction project management services.

### Statement of Facts

VENDOR NAME: Dudek

SERVICES REQUIRED: As-Need Biological Services

DOES THE ABOVE CODE SECTION APPLY IN THIS SITUATION?  Yes  No (circle one)

BY SIGNING BELOW, I HEREBY CERTIFY THAT I HAVE READ THE ABOVE CODE SECTION, AND HAVE EITHER COMPLIED OR INDICATED THAT THE SERVICES REQUESTED DO NOT FALL UNDER THE STATED DEFINITION.

SIGNED: Travis Seawards

PRINTED NAME: Travis Seawards

TITLE: Development Review Deputy Director

DATE: 9/21/2021