



PROPOSAL

ENVIRONMENTAL IMPACT REPORT FOR THE WOODLANDS

CITY OF SANTA ROSA

FEBRUARY 2, 2024

1904 Franklin Street, Suite 600 / Oakland, CA. 94612 / 510.601.2500

DUDEK

Cover Letter

February 2, 2024

Jennifer Myles, Senior Buyer
 City of Santa Rosa
 635 1st Street, 2nd Floor
 Santa Rosa, California 95404

Subject: Environmental Impact Report – The Woodlands Project

Dear Jennifer Myles:

Dudek is a California-based environmental and engineering consulting firm. Our staff, which includes planners, scientists, civil engineers, contractors, and technical experts, are trained to support our clients in developing and managing communities, infrastructure, and environmental resources. Dudek has performed thousands of environmental review projects throughout California for over 43 years, including many high-profile, complex, and controversial projects in environmentally constrained areas. With the strength of our expertise, we produce complete California Environmental Quality Act (CEQA) documents done right the first time. Combining comprehensive analysis and research-based findings, we provide legally defensible documents supported by substantial evidence, none of which have ever been successfully overturned in court. We conduct technically sound assessments and manage environmental review processes in a streamlined, compliant, and straightforward manner.

Dudek proposes a highly qualified team to prepare a program Environmental Impact Report (EIR) for The Woodlands Project (Project). The Project requests a General Plan Amendment and rezoning of a former government and medical campus from Public/Institutional to Residential to accommodate a mix of low- and medium-density residential uses. The Project is not currently requesting approval of a Tentative Map. Based on our review of the Request for Proposals for the Project, important environmental issues include an evaluation of the historic significance of the buildings slated to be removed and the overall sensitivity of the site for cultural and tribal cultural resources; biological resources that may be present, including wetland habitat and tree resources; potential for vehicle miles traveled to exceed City thresholds; and wildfire hazards and evacuation. In addition, although traffic congestion is not a CEQA issue, the community is concerned about the volume of daily traffic the project would add to Chanate Road.

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The Dudek team for this Project will be based out of our Oakland and Sacramento offices. It will support the City of Santa Rosa (City) in meeting its CEQA obligations for this Project by providing the following:

- A project manager with 24 years' experience preparing CEQA documents, including for complex and controversial projects, who understands the importance of providing detailed and well-written analysis
- An experienced team of high-quality specialists with local knowledge to prepare technical analyses and studies to support the EIR that both addresses the proposed General Plan Amendment and rezone and sets the stage for streamlined review of future residential development projects
- A one-stop shop of environmental experts, including cultural resource specialists (archaeologists and architectural historians); air quality, noise, and transportation (including vehicle miles traveled and level of service expertise) specialists; biologists; botanists; arborists; urban foresters; permit specialists; and fire protection planners
- A proven record of accomplishment of completing high-quality, evidence-based EIRs that are prepared right the first time, on schedule and within budget
- Understanding of the environmental constraints and issues within Sonoma County and throughout Northern California

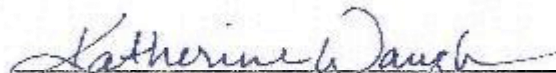
Dudek is committed to providing the highest quality services to the City. We have built a strong reputation for assisting local municipalities in effectively navigating California's ever-increasing regulatory maze with our team of experienced and enthusiastic technical experts and CEQA practitioners. **The cost estimate provided in this proposal is valid for 120 days.**

We are excited about this opportunity to work with the City to facilitate a quick and seamless environmental review process. Should you have any questions, please contact Project Manager Katherine Waugh at 530.863.4642 or kwaugh@dudek.com.

Sincerely,



Joseph Monaco
President/CEO



Katherine Waugh, AICP
Project Manager

Joseph Monaco is authorized to sign on behalf of Dudek.

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Background and Project Summary

Understanding of the City

The approximately 72-acre site is located in the eastern portion of the City of Santa Rosa (City), generally west of Hidden Valley Drive, north of Rolling Hill Drive, and east of Sycamore Avenue and Nielson Court. The site is a more rural, forested landscape bisected by Chanate Road. A portion of the Woodlands Project (Project) site was formerly a medical campus that includes the County Hospital constructed in 1936 and several ancillary buildings. Most of these buildings are vacant and no longer occupied. Other uses on the site include the County Morgue, Public Health Laboratory, Bird Rescue Center, a women's shelter, an assisted living facility, and a small cemetery. Nearby uses primarily include residential neighborhoods. The Project applicant, Chanate Development Group, LLC, is requesting a General Plan Amendment to the City's 2035 General Plan to change the underlying land use designation of Public/Institutional to Residential Low Density, Medium Density, and Medium-Low Density and a rezone to be consistent with the land use designations. Future residential developers would need to submit tentative maps for City review and approval, and it is assumed that any subsequent California Environmental Quality Act (CEQA) documents would tier from the Environmental Impact Report (EIR) prepared for the Project.

Approach

We assume that the EIR required for this Project will be a program EIR (CEQA Guidelines Section 15168) that will evaluate a General Plan Amendment and rezone, changing the land use designation from Public/Institutional to Low and Medium Density residential. To capture the full extent of potential impacts, build-out under the maximum allowed density would be assumed. The requested approvals are somewhat general, and it is assumed that project-level plans, development details, and other project-specific information, such as subdivision mapping, may be provided in subsequent applications. A program EIR is well suited to this situation, as it does not require the level of detail typically found in a project-level EIR and provides a straightforward approach for streamlining subsequent approvals. The goal will be to cover proposed uses as comprehensively as possible in as much detail as possible to identify potential impacts, enabling subsequent CEQA documents to easily tier from the analysis.

Methodology

To prepare the environmental evaluation, Dudek will rely on technical reports prepared by the applicant team; the City's General Plan, General Plan EIR, Municipal Code, and other development standards or requirements; applicable state and local laws and/or regulations; modeling results; other relevant documents and resources from state and local agencies; aerial imagery; and a site visit to understand and document the existing environmental baseline against which project-related impacts are compared and the regulatory setting. It is assumed that the Project would comply with relevant federal and state laws and regulations, relevant City General Plan policies, City ordinances, other adopted City documents, policies, and development standards. Therefore, such mandatory policies, ordinances, and standards will not be identified as mitigation measures but will be discussed as part of the "Regulatory Setting" governing the Project. The impact analysis will recognize potential environmental effects that could occur in the absence of compliance with these requirements and describe how regulatory compliance would avoid such effects. Feasible and effective mitigation measures, including alternative measures where

possible, will be identified for any significant or potentially significant impacts that cannot be mitigated through compliance with existing laws, policies, ordinances, or requirements.

Scope of Services and Objectives

Dudek's Scope of Services for this EIR includes preparing a Notice of Preparation (NOP), assisting City staff in holding a public scoping meeting, and preparing an Administrative Draft EIR, Screencheck Draft EIR, Public Review Draft EIR, Administrative Draft Final EIR, Screencheck Final EIR, Final EIR, and Mitigation Monitoring and Reporting Program (MMRP). We assume all internal deliverables will be submitted to City staff, including the applicant team if requested by the City. The following tasks describe how Dudek will prepare the EIR.

Dudek will provide the highest quality services to ensure the City's objectives are attained. We will prepare a thorough and easily understood EIR that clearly addresses the community's environmental concerns. The EIR will be programmatic in nature but will present a high level of detail so that it serves as a first tier document that effectively streamlines the review of individual development projects under the proposed land use and zoning designations. Dudek will also ensure efficiency in this process by making the best use of existing information from technical studies prepared for the project site as well as City and regional planning documents. Finally, our proactive project management style and protocols will ensure that we meet the City's scheduled goals and that the project is completed within budget.

Task 1: Project Initiation

Kickoff Meeting

Dudek Project Manager Katherine Waugh will attend a virtual project kickoff meeting with City staff to discuss the approach and format of the EIR, project description/components, issues to be evaluated, public concerns, project alternatives, any project-related concerns or technical issues, thresholds of significance, project schedule, communication protocol, consultation with responsible and other agencies, and information needs. Dudek regards this task as a key component of successfully launching the work effort, and we look forward to discussing any key environmental issues and setting the stage for a successful CEQA review process.

Task 1 Deliverables

- Data Needs Request and draft schedule

Task 2: Peer Review Technical Reports

Dudek staff will peer review the technical reports prepared for the Project. Based on the Request for Proposals, the following reports are in the process of being prepared: Arbortist, Biological Resources, Transportation, and Geotechnical. A Cultural Resources Report (assumed to also include an assessment of the historic eligibility of the buildings on site), Phase 1 Environmental Site Assessment (ESA), and Fault Investigation have been prepared and may require updating. All the reports will be reviewed for adequacy to support the environmental analysis. Dudek's technical staff will prepare a peer review memoranda summarizing any missing information or concerns regarding the technical reports as part of this task. For this scope of work, it is assumed that the report authors will provide any updates to the reports if required.

Task 2 Deliverables

- Peer review memoranda

Task 3: Project Description

Dudek will prepare a draft project description for City review. The project description will briefly summarize the Project's history, the history of the project site, general conditions present within the project boundaries, project objectives, and surrounding land uses.

A draft of the project description will be provided to City staff for review prior to commencing work on EIR sections to verify that the project description is stable and accurately represents the Project. We will prepare a draft and revised project descriptions under this task. If necessary, minor edits to the project description will be made as part of EIR preparation.

Task 3 Deliverables

- Draft and final project description

Task 4: Notice of Preparation

Dudek will prepare the NOP for circulation to public agencies, interested individuals, and the State Clearinghouse. Dudek will prepare a draft version of the NOP for internal City review. The NOP will briefly describe the Project and identify potentially significant environmental effects that will be analyzed in the EIR. Other than eliminating the topic of mineral resources with a brief statement in the NOP, we expect to prepare a full-scope EIR; thus, no Initial Study will be prepared. Upon receipt of any City comments, Dudek will update the NOP for public review. It is assumed that only two versions of the NOP will be submitted for internal review.

Dudek will prepare the Notice of Completion (NOC) and project summary for submission to the Office of Planning and Research. Dudek can upload the documents to start the NOP public comment period if requested.

Dudek will prepare a one-page public notice for the City to mail to responsible and trustee agencies, organizations, and the public regarding the release of the NOP and the scoping meeting. The City will hold an in-person scoping meeting to solicit verbal comments on the Project from agency staff and the public. Dudek will prepare project graphics, a one-page project overview, sign-in sheets, and comment cards for the scoping meeting. It is assumed that City staff will secure the meeting space and Dudek staff will prepare a brief PowerPoint presentation for the meeting (alternatively, the meeting can be held as an open house format). Dudek will take notes and provide a written summary of verbal and written comments received.

Task 4 Deliverables

- Administrative draft, screencheck draft, and public version of the NOP
- NOC
- Public notice
- Graphics, sign-in sheets, comment cards, project summary

Task 5: Administrative Draft EIR

The Dudek team will prepare an Administrative Draft EIR for City review. The Administrative Draft EIR technical sections will incorporate information from technical studies, background research conducted by Dudek, existing City planning documents and ordinances, and site visits. Each section will describe the regional setting, project site, and nearby features, which will constitute the baseline conditions for evaluating impacts. Existing federal, state, and local laws and regulations, including General Plan goals, policies, and implementation programs; the Municipal Code; other City planning documents; and regional planning and resource management documents, will be reviewed and summarized as applicable in the regulatory setting of each technical section of the EIR. The methods of analysis and standards of significance used for determining the impacts of the Project will be explicitly described, including any important assumptions to understand the conclusions of the analysis. Mitigation measures to reduce any significant or potentially significant impacts will be recommended. Whenever possible, we will also identify equally effective alternative mitigation measures to allow the City to select the most feasible measures at the time of Project approval. Responsible agencies will be consulted during the scoping and EIR process, as appropriate.

The Administrative Draft EIR will include the following:

- **Executive Summary.** Presents an overview of the results and conclusions of the environmental evaluation and a summary table that identifies Project impacts, feasible mitigation measures, and the level of significance both before and after mitigation.
- **Introduction.** Describes the CEQA process, type of environmental document, areas of concern identified as part of the NOP public review process, and general Project background/history.
- **Project Description.** Describes the Project history and the history of the site, existing conditions present within the Project boundaries, and surrounding land uses. All components of the Project will be described, including any required off-site components. The requested Project entitlements and/or approvals and the construction schedule will be discussed.
- **Environmental Analysis.** Contains each of the technical sections as described in the following discussion. The introduction to the environmental analysis will define the baseline conditions of the project site, reflecting both the historical and existing active uses at the site. It will also provide an overview of the cumulative development scenario for the project area.
- **Other CEQA Considerations.** Discusses issues required by CEQA, including irreversible environmental changes, effects not found to be significant, and growth inducement. Cumulative impacts will be included in each technical section of the Environmental Analysis.
- **Alternatives.** Includes analysis of up to three project alternatives, including the required No Project Alternative. The selection of project alternatives will be determined in consultation with City staff.
- **Appendices.** Supporting documentation will be provided in the appendices, including all technical studies prepared for the Project, air quality modeling outputs, and any new technical studies relied upon to prepare the EIR.

Environmental Analysis Sections

Aesthetics

Dudek will evaluate potential changes to scenic vistas and the project site's existing visual character using photographs of the site taken from public vantage points. The analysis will consider the project site's existing rural and forested conditions and the proposed zoning text amendments to City Code Section 20-28.050 - Scenic Road Combining District to evaluate the project's potential effects on the scenic character of Chanate Road. The City's development standards that would apply to the future residential development on the site will be identified. This will include discussions of scale and massing, setbacks, vegetation use, and other measures to protect scenic views and visual character. This section will also consider the Project's potential to create light or glare that could affect daytime or nighttime views. There are no state scenic highways in or adjacent to the project site; therefore, there would be no impact to views from a scenic highway. Preparation of visual simulations is not included in this scope because no tentative maps, architectural or building plans, or landscape plans are currently proposed.

Agricultural and Forestry Resources

Dudek will prepare this section by conducting research regarding the soils present at the project site and any historical or recent agricultural uses of the property and adjacent areas. The analysis will document whether the development accommodated under the proposed land use and zoning designations could result in the loss of agricultural and forestry resources in the project vicinity.

Air Quality

Dudek will assess the air quality impacts of the proposed project using the significance thresholds in Appendix G of the CEQA Guidelines and the Bay Area Air Quality Management District's (BAAQMD) emissions-based thresholds and guidance, as applicable. The air quality section of the EIR will include a brief discussion of criteria for air pollutants, the attainment status of the San Francisco Bay Area Air Basin, and applicable BAAQMD rules and regulations. Dudek will estimate demolition, construction, and project operation emissions of criteria air pollutants using the California Emissions Estimator Model (CalEEMod) and compare estimated emissions to the BAAQMD thresholds.

Construction Emissions

Criteria Air Pollutants

It is assumed that the development of the three neighborhoods would occur over an extended period, with build-out timing dependent on factors such as local economic conditions, market demand, and other financing considerations. The analysis of short-term construction emissions will be based on scheduling information and probable construction developed by the applicant and/or standardized approaches. Dudek assumes up to six CalEEMod runs will be required to adequately evaluate potential construction impacts, up to two modeling runs per neighborhood. If appropriate, Dudek will identify mitigation measures to incorporate into future project site development activities.

Construction Health Risk Assessment

Future construction will also result in a short-term increase in toxic air contaminants (TAC) emissions, specifically diesel particulate matter (DPM) from on-site off-road equipment and heavy-duty trucks. Because there are existing sensitive receptors (residences) located within 1,000 feet of the project site, Dudek proposes to complete a Construction Health Risk Assessment (HRA) in compliance with BAAQMD recommendations for consideration of potential health risks associated with construction TAC emissions.

Dudek will evaluate the project's potential health risks associated with construction activities using an appropriate exposure period to evaluate short-term emissions increases. Particulate Matter 10 microns or smaller (PM10) will be used as a surrogate for DPM. The dispersion of DPM will be modeled using the American Meteorological Society/Environmental Protection Agency Regulatory Model (AERMOD) dispersion model and the CARB Hot Spots Analysis and Reporting Program Version 2 (HARP2), along with meteorological data provided by BAAQMD for the project area. Additionally, fine particulate matter (PM2.5), which can pose a localized health threat to sensitive receptors at relatively low concentrations, will be estimated. The results will be compared to BAAQMD thresholds for health impacts.

Dudek will also conduct a cumulative health risk assessment evaluating cancer risk, chronic hazard, and PM2.5 for the project residential receptors by identifying existing sources of toxins within the zone of influence of a 1,000-foot radius from the property line. Dudek performed a preliminary evaluation of surrounding TAC sources, and the area includes an emergency generator at the Brookdale Senior Living Facility and the County Morgue that is within the zone of influence but do not exceed the 100 in a million cumulative cancer risk threshold. As such, a refined health risk assessment (e.g., using AERMOD and HARP2) is not included in this scope and budget to evaluate the risk from existing sources of TACs on the proposed residential receptors.

Operational Emissions

CalEEMod will also be used to estimate project-generated operational criteria air pollutant emissions associated with the project's mobile, energy, and area sources for the estimated build-out year. Project-specific values will be used in place of CalEEMod default values when available. The estimated operational emissions will be compared to the significance thresholds established by the BAAQMD. Because the project site is not vacant, emissions from existing uses will be quantified using CalEEMod with standard land uses consistent with the transportation assessment and CalEEMod categories most representative of the existing uses. Dudek will coordinate with the City, EIR team, and W-Trans to establish operational assumptions for the proposed project. Dudek will compare estimated project-generated emissions to the BAAQMD thresholds.

Dudek will qualitatively evaluate whether traffic associated with the project could lead to potential exposure of sensitive receptors to substantial localized concentrations of air pollutant emissions, specifically carbon monoxide (CO) "hot spots." It is assumed that no quantitative CO hotspot modeling will be required for budgetary purposes. In addition, Dudek will qualitatively evaluate the health effects of criteria air pollutant emissions within the report.

All Appendix G thresholds will be evaluated, including the potential for the project to result in other emissions such as odors or to impede the attainment of the current Clean Air Plan.

Biological Resources

Dudek will prepare this EIR section based on the Biological Conditions Report prepared by Charlie Patterson and our peer review of that report completed under Task 2. This section will include analysis of potential impacts to existing biological resources, including special-status species, jurisdictional wetlands, and other waters of the United States and the state.

Cultural Resources

Dudek will prepare the cultural resources EIR section based on the research and findings of the Historic Cultural Resources report prepared by Tom Origer and our peer review of that study completed under Task 2, as well as information developed through the SB 18 consultation process. This will include summarizing the ethnographic history of the project region, describing resources known to occur within or adjacent to the project site, and assessing the project's impacts on those resources.

Energy

Dudek will evaluate the energy consumption associated with the construction and operation of the project, specifically considering consumption of electricity, natural gas, and petroleum, and determining whether the project would (1) result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation, and (2) conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Estimates for consumption will be developed using CalEEMod data from the greenhouse gas (GHG) assessment. In developing the project description, we will work with the City and applicant to identify a list of the project's sustainable design and energy conservation measures that will be factored into the GHG emissions modeling.

Geology and Soils

Dudek will describe the geologic and soils characteristics of the project site, including faulting, potential seismic-induced ground failure, slope stability, expansive soils, subsidence, and erosion. In general, geologic and soils impacts would only be considered significant if project implementation would create or exacerbate existing geologic hazards or soil erosion. Impacts of geologic hazards on the project, such as surface fault rupture, would not be considered significant.

Greenhouse Gas Emissions

The City is developing a Climate Action Plan (CAP), but completion of the CAP is not anticipated until 2025. The BAAQMD adopted new GHG thresholds of significance that require projects to incorporate design elements that reduce GHG emissions (in lieu of a quantitative threshold) when a lead agency does not have a qualified CAP to tier from. Specifically, for land use development projects to have less than significant GHG impacts, they must include all-electric development, meet VMT local/regional targets, and include electric vehicle charging consistent with CALGreen Tier 2. Dudek assumes the project can rely on the BAAQMD's thresholds to determine significance. If, after consultation with the City, it is determined that an alternative threshold is required, Dudek will work with the City to determine an appropriate threshold. For budgetary reasons, Dudek assumes that a qualitative standard would be used as an alternative, if needed.

Dudek will provide an estimate of GHG emissions from the construction and operation of the project for informational purposes. CalEEMod will estimate GHG emissions; model inputs will be based on the same assumptions used in the air quality analysis.

Hazards and Hazardous Materials

Dudek will prepare this EIR section based on the Phase 1 Environmental Site Assessment prepared by Kleinfelder and our peer review of that report completed under Task 2. The analysis will discuss whether known hazards and hazardous materials conditions could affect future residential development and identify mitigation measures to address such issues. In addition, this section will discuss the potential for accidental release of hazardous materials during construction and operation and identify typical construction best management practices to minimize such events.

Hydrology, Water Quality, and Drainage

This section will identify and evaluate key hydrologic, hydraulic, groundwater, and surface water quality-related issues in the project area and the identified cumulative impact area. This section will discuss existing hydrology and surface drainage, water service and supply, water quality, and flooding and evaluation of impacts on water quality, surface and groundwater consumption, groundwater recharge, changes in drainage patterns, stormwater management, and flooding.

Noise and Vibration

Dudek will review project information, local ordinances, general plan policies, and relevant state and federal guidance that may influence the assessment of noise and vibration impacts attributed to the proposed change in land use and zoning designations.

We will characterize baseline conditions by conducting a brief field survey during daytime hours to measure outdoor ambient sound pressure level (SPL) measurements at up to 5 on-site and nearby off-site locations. Locations will be selected that are representative of noise-sensitive receivers ("NSR," e.g., residences) closest to the subject area boundaries, or along streets to which the project would principally contribute traffic trips. Short-term measurements, typically 15 minutes in duration each, will be taken at each location, and up to two long-term (24-hour) measurements may be taken if warranted. Manual traffic counts along the adjacent street segment will be conducted during the short-term measurements.

We will also perform the following predictive analyses:

- At up to 10 nearest and/or representative offsite NSR, estimate demolition and construction noise, estimate ground-borne vibration velocity exposures, and estimate noise conditions from outdoor heating, ventilating, and air-conditioning systems (using assumptions based on expected sizes of future residences)
- Using Project traffic data (peak hour and/or average daily traffic [ADT]) provided by W-Trans and using an estimation algorithm, estimate traffic noise level emissions from up to six nearby roadway segments for existing conditions, existing-plus-near-term projects conditions, cumulative conditions, and cumulative-plus-Project conditions.
- Perform a qualitative check for aviation noise exposure to future on-site Project occupants.

If predicted noise and/or vibration levels due to the Project are expected to exceed relevant standards and policies, we will recommend conceptual and feasible options for mitigation to reduce or avoid potentially significant noise impacts.

Population and Housing

Dudek will describe the anticipated amount of residential development that could be accommodated within the project site and the associated residential population. This section will discuss how the new population would affect the overall jobs/housing balance within the City and the net effect on regional population and housing needs.

Public Services and Recreation

Dudek will evaluate the increased demand for public services, including fire and police, schools, and parks and recreation resulting from the new residential population that could be accommodated at the project site. The analysis will be based on accepted demand factors and generation rates developed in consultation with City staff and the respective service providers. The project's increase in demand for fire and police services will be evaluated and quantified as associated with the need to increase staff or equipment, necessitating the need to either construct a new building or expand existing facilities. The location and capacity of existing schools that would serve the project site will be identified, and the number of new students that could reside within the project site will be estimated. The need for new parks and recreation associated with the project will be quantified using the City's parkland standards for future neighborhood and community parks and open space areas.

Transportation

Dudek will evaluate the project's effects associated with transportation and vehicle-miles-traveled based on the transportation study prepared by W-Trans and our peer review of that study conducted under Task 2. Consistency with programs, plans, ordinances, and policies addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities, will be evaluated in light of the anticipated increase in the use of alternative modes associated with the project.

The project will be evaluated to determine if it would result in inadequate emergency access. Because this is a programmatic-level analysis, this issue will be addressed qualitatively.

Tribal Cultural Resources

Dudek will prepare this section incorporating information from the Historic Cultural Resources report prepared by Tom Origer and our peer review of that study completed under Task 2, as well as information developed through the SB 18 consultation process.

Utilities and Service Systems

Dudek will describe existing utilities and service systems for the project area and evaluate the potential impacts of future development that could occur by the proposed project. Water supply, wastewater, solid waste and recycling, energy, and energy conservation will be addressed. As needed, information will be sourced from applicable agencies to understand existing conditions and utility and service system capacities. The adequacy or inadequacy of existing utilities and service systems to provide services to the proposed project will be discussed. Demand estimates for full

build-out will be determined to assess the potential need to construct or expand existing services and utilities and the pathway to provide these services.

Wildfire

Dudek will evaluate the potential wildfire impacts associated with the Project. The project site is not located in a very high fire hazard severity zone or State Responsibility Area; however, it is located within a wildland-urban interface fire area as designated by the City and Santa Rosa Fire Department, and the City has significant wildfire history. The nearest very high fire hazard severity zone is located 0.5 miles north of the project site within a Local Responsibility Area. Dudek will review publicly available fire hazard and fire history information, weather and climate conditions, vegetation and fuels, topography, site access, and emergency and evacuation routes. The chapter will summarize the existing fire environment and assess the potential for on-site or offsite impacts related to wildfire. Dudek will summarize applicable regulations addressing wildfire hazards, including state and local regulations, and review the Project for compliance.

Consistent with Appendix G of the CEQA Guidelines, the wildfire section will assess how the Project may risk or impair adopted emergency response/evacuation plans, expose people or structures to wildfire or post-fire flooding or landslides, or require installation of infrastructure that could exacerbate fire risk or result in ongoing impacts to the environment. Dudek understands that evacuation impacts are of particular concern for the Project, and we have included Optional Task 5A to prepare a Wildfire Evacuation Plan.

Task 5 Deliverables

- Administrative Draft EIR in MS Word; figures in PDF and posted on the City's SharePoint site
- Five (5) hard copies and one (1) copy in PDF format

Optional Task 5a: Wildfire Evacuation Plan

Background Information and Fire Spread Modeling

Dudek will conduct the following tasks to develop the information and analysis necessary to complete the Wildfire Evacuation Time Modeling Analysis:

- Site plan review to gain a thorough understanding of the Project and its access and street circulation;
- Compile available digital information for preparation of exhibits, conducting analysis, and advising evacuation plan sections;
- Data collection field visit to document road conditions, connections, undetectable dead ends/gates, one-way roads, and related traffic facilitating or restricting features.
- Review fire environment information to determine the types of wildfires that may occur in the area, and that may cause evacuations to inform our estimation of the ability of the planned site structures to serve as temporary shelter-in-place sites;
- Conduct wildfire spread modeling from several potential ignition points under typical and extreme fire weather conditions (this level of effort is consistent with analysis completed for a previous project in the vicinity and provides important information that will interface with

the evacuation modeling results and help determine how much time is available under various scenarios and how much time is needed to evacuate

Wildfire Evacuation Time Modeling Analysis

Dudek will conduct modeling of evacuation traffic, both with and without the Project, to compare the potential benefits and/or impacts on area evacuations with the Project's construction. The Dudek team will conduct an evacuation analysis based on the anticipated number of vehicles that need to leave the evacuation area. The following tasks will be conducted:

1. Coordinate with the City and the project team to determine the worst-case scenario(s) (scenario with the highest traffic volumes) to be analyzed and the areas considered safe. We will work with the City to verify the specific evacuation scenarios to be analyzed. This proposal assumes the following scenarios will be evaluated:
 - a. Existing
 - b. Existing with Project
 - c. Project Only
 - d. Cumulative (Existing Plus Ambient Growth Plus Cumulative Projects).
 - e. Cumulative with Project (Existing Plus Ambient Growth Plus Cumulative Projects Plus Project)

The evacuation analysis will focus on a weekday afternoon when the site is likely to be fully occupied.

Additional evacuation scenarios can also be analyzed at the request of the City. The cost associated with the additional scenario is \$5,000.00.

Review applicable documents, including the Santa Rosa Emergency Operation Plan (Annex Q), Santa Rosa Multi-Jurisdictional Local Hazard Mitigation Plan, Santa Rosa Emergency Management Plan, and other applicable documents.

1. Determine the available evacuation routes.
2. Develop the number of vehicles anticipated to evacuate under the Existing and Cumulative scenarios based on the following factors:
 - a. The number of nearby households and businesses that need to evacuate during an emergency, using parcel data from Parcel Quest and validated using data from the U.S. Census and rooftop counts (via aerial imagery from Nearmap) of existing households within the study area.
 - b. Average vehicle ownership and the number of vehicles anticipated to be evacuated.
 - c. Find additional supporting data such as previous studies, cumulative projects, and the Institute of Transportation Engineer Parking Generation Manual.
3. Develop an evacuation model for the Project using the VISSIM microsimulation software.
4. Conduct an evacuation analysis using the network developed in Step 5.
5. Review the findings with the City and revise the analysis as appropriate. Up to two (2) rounds of revisions are assumed as part of this task. Additional analyses/revisions will require a scoping amendment.
6. Document the findings in a draft technical memorandum and respond to comments (from the City or the project team), as requested.

7. Attend up to three (3) project-related virtual meetings.
8. Prepare a final technical memorandum incorporating comments and direction.

Wildfire Evacuation Plan

Dudek will prepare a Wildfire Evacuation Plan (WEP) that incorporates the results of the evacuation modeling of the most likely anticipated wildfire scenarios and evacuation, including available evacuation route options near the Project. Access routes, ingress and egress, and bottlenecks will also be evaluated. We will develop an evacuation route map and contingency plans (such as shelter-in-place and short-distance safe refuge) for when evacuation is not considered the preferred protection method. The evacuation plan will include GIS-generated graphics supporting the approach, conclusions, and recommendations. Dudek will coordinate with the City for their concurrence and input/suggestions before completing the evacuation plan. Possible recommendations may include developing alternative access controls and protocols, extreme fire weather preparedness and restrictions, off-property strategies for traffic control, neighborhood outreach and education efforts, and emergency action plan protocols. We will also provide a section addressing the CEQA evacuation threshold questions.

Dudek will serve in an advisory role, providing our evacuation operational knowledge and resources to the evacuation modeler to prepare their technical analysis. We anticipate the need to work closely with the modeler throughout the Project to guide, advise, and interpret outputs. This task includes consultation with transportation planners prior to, during, and following the simulation modeling to help define assumptions, review results, tweak the model, and interpret outputs. This task also includes fire protection planner review and input on the final technical memorandum.

The Dudek team will prepare a WEP that incorporates the evacuation traffic modeling for the current condition and then for the “with Project” conditions and includes the following additional features:

- A Quick Reference section of WEP to be used by visitors and staff
- A plan using industry standards to address the following:
 - Evacuation planning process, emergency response, evacuation points and shelters, and shelter-in-place discussion
 - Route determination
 - Evacuation awareness
 - Evacuation procedures
 - Scenario descriptions
 - Recommended measures
 - Contingency option – Temporary Refuge/Shelter in Place
- Graphics, such as the Site Location Exhibit, Site Plan, Conceptual Evacuation Route Map, Shelter-in-Place Site Map, Evacuation Toolkits/Action Plan, and others as determined appropriate

Dudek anticipates up to three web-based meetings with the project team during the completion of this WEP.

Optional Task 5a Deliverables

- First Draft Wildfire Evacuation Plan (PDF format)

- Final Draft Wildfire Evacuation Plan (up to five [5] hard copies and one [1] copy in PDF format)

Task 6: Screencheck and Public Review Draft EIR

After receipt of one set of consolidated comments on the Administrative Draft EIR from the City, Dudek will revise the document and prepare a pre-publication or Screencheck Draft EIR for final City review to verify that all agreed-upon edits or revisions have been made. If the comments on the Administrative Draft EIR are extensive and require significant revisions to the analysis, it may be suggested that a second Administrative Draft EIR be prepared.

Upon receipt of final City edits on the Screencheck Draft EIR, Dudek will prepare the Draft EIR for public review. It is assumed that City comments on the Screencheck Draft EIR would be more editorial and not require substantial revisions or additional City review.

Dudek will prepare a draft Notice of Availability (NOA) for City staff to review and finalize the NOA based on City comments. It is assumed that city staff will compile a mailing list and mail the NOA and/or will arrange to publish the NOA in a local newspaper.

Dudek will also prepare the NOC, and, if requested by the City, Dudek can upload the NOC and project summary along with the Draft EIR to the Office of Planning and Research website to start the 45-day review period.

Dudek’s project manager will attend one Planning Commission hearing to present the Draft EIR findings to the commissioners and receive public comments during the 45-day public review period. It is assumed that City staff will provide a transcript of verbal comments received. The budget for hearing attendance is included under Task 9.

Task 6 Deliverables

- Screencheck Draft EIR
- Electronic copy of the Draft EIR in MS Word and PDF
- Fifteen (15) hard copies of the Draft EIR, with appendices on a thumb drive in the back cover
- NOA and NOC

Task 7: Administrative Draft Final EIR, Screencheck Final EIR, and Final EIR

After the close of the 45-day public comment period on the Draft EIR, Dudek will prepare an Administrative Draft Final EIR for City review (including a list of commenters, responses to comments, and changes to the text of the Draft EIR). This will include bracketing all comments received in writing and verbal comments received at a hearing on the Draft EIR and preparing written responses. If the comments received reiterate the same concerns, Dudek will prepare master responses to address those comments. Should comments on the Draft EIR raise new issues or require that new surveys or technical studies be conducted to complete adequate responses, Dudek will initiate discussions immediately with City staff to evaluate the options. In addition, if any comment letters are received from attorneys representing labor unions, Dudek will contact the City to discuss a budget augment. The Administrative Draft Final EIR and Final EIR will include a chapter that provides any text changes to the Draft EIR to reflect any changes resulting from the responses to comments. All changes to the text of the Draft EIR will be identified in ~~strike-out~~ and underline.

The Final EIR will be a stand-alone document and will not include reprinting a revised version of the Draft EIR showing text changes resulting from the comments received.

After City review of the Administrative Draft Final EIR, Dudek will incorporate City comments and prepare the Screencheck Final EIR for City review. We assume City comments will be limited to minor corrections and edits and will not require substantive revisions. Upon receipt of City comments on the Screencheck Final EIR, Dudek will prepare the Final EIR. For all agency letters received, if requested, Dudek can email a copy of the letter and response to the commenting agencies a minimum of 10 days before the hearing to take action on the Project.

Dudek will also provide the City with a Mitigation Monitoring and Reporting Plan (MMRP) with the Administrative Draft Final EIR. The MMRP will identify the responsible parties and the timing of implementation, monitoring, and reporting requirements to ensure that mitigation measures will be properly implemented.

In the event the City approves the Project and certifies the EIR, it is assumed that City staff will prepare and file a Notice of Determination (NOD) with the County Clerk and upload the NOD to the Office of Planning and Research website pursuant to the CEQA noticing requirements (CEQA Guidelines, Section 15075) within five days of project approval.

Task 7 Deliverables

- Administrative Draft Final EIR provided via SharePoint
- Five (5) hard copies and one (1) copy in pdf format
- Screencheck Final EIR in PDF provided via SharePoint
- Final EIR in MS Word and PDF; fifteen (15) hard copies of the Final EIR
- Draft MMRP; two (2) hard copies of the MMRP

Task 8: Findings of Fact and Statement of Overriding Considerations

Dudek will prepare the required CEQA Findings of Fact and, if necessary, Statement of Overriding Considerations for the Project consistent with Sections 15091 and 15093 of the CEQA Guidelines. Dudek will use the City's preferred format unless requested otherwise. Dudek will prepare a draft version for City review prior to providing the City with a final version. Dudek has not retained legal counsel to draft or review this document; we assume the City Attorney will review the Findings and Statement of Overriding Considerations. Additionally, we assume that a single round of review and revision will be necessary and that any further edits will be the responsibility of City staff.

Task 8 Deliverables

- Draft Findings of Fact/Statement of Overriding Considerations provided via SharePoint
- Revised Findings of Fact/Statement of Overriding Considerations (no hard copies will be provided)

Task 9: Project Management and Meetings

Over the life of the Project, an average of 4 hours per month of project management time is assumed to coordinate interaction between the Dudek team, City staff, the applicant team, and other agencies. Dudek's project manager will also oversee internal staff, manage document review,

review monthly invoices, prepare required invoice documentation, and complete other project management tasks.

It is assumed that attendance at two in-person Planning Commission hearings (one to take comments during the Draft EIR public review period) and one City Council hearing will be required. At each hearing, Dudek’s project manager will briefly present the EIR methodology and findings and be available to answer any questions.

The budget for this task also allows Dudek’s project manager to participate in regular check-in meetings with City staff and the applicant team. For budgeting, it is assumed an average of two hours per month of conference calls and/or virtual meetings with City staff to address any issues that may arise during the preparation of the environmental analysis over approximately 12 months. These meetings can address technical issues, schedule updates, information needs, upcoming action items, and comments on work products.

Timeline

The Dudek team is available to begin work on this Project immediately upon receipt of a fully executed contract. **Table 1** presents the anticipated schedule for completion of the EIR. The schedule indicates completion of the EIR in approximately one year. Factors that could lengthen or shorten the schedule include dates of receipt of project information, length of project team review, and unanticipated issues arising from City staff or public review of the EIR.

Table 1. General Timeline

Deliverable	Duration
Task 1: Project Initiation	1 week
Task 2: Peer Review Technical Reports	2 weeks
Task 3: Project Description	—
Draft Project Description	2 weeks
City Review	2 weeks
Revised Project Description	1 week
Task 4: Notice of Preparation	—
Draft NOP	Concurrent with project description
City review	
Pre-publication draft	1 week
Final NOP and Public Circulation	4.5 weeks
Task 5: Administrative Draft EIR	
Prepare Administrative Draft EIR	3 weeks
County review	3 weeks
Optional Task 5a: Wildfire Evacuation Plan	—

Table 1. General Timeline

Deliverable	Duration
Prepare Wildfire Evacuation Plan with VISSIM Modeling	6 to 8 weeks, to begin concurrent with Task 4
Task 6: Screencheck and Public Review Draft EIR	—
Prepare Screencheck Draft EIR	3 weeks
County review	1 week
Prepare and publish public review Draft EIR	2 weeks
45-day public review	45 days (6.5 weeks)
Task 7: Administrative Draft Final EIR, Screencheck Final EIR, and Final EIR	—
Prepare Administrative Draft Final EIR	3–4 weeks ¹
City review	3 weeks
Prepare Screencheck Draft Final EIR	2 weeks ²
City review	1 week
Prepare Final EIR	1 week
Task 8: Findings of Fact and Statement of Overriding Considerations	—
Prepare Administrative Draft Findings of Fact	Concurrent with Screencheck draft Final EIR
City review	2 weeks
Prepare final Findings of Fact	1 week
Task 9: Project Management and Meetings	Concurrent with other project tasks
Total	±12 months

Notes:

- ¹ Depends on the volume of comment letters and/or substantive comments received. May require additional time and additional rounds of review with the City.
- ² Depends on the City comments received.

Staffing

The Dudek team selected for the Project has a strong background and experience specifically applicable to the needs of the City. Katherine Waugh, certified by the American Institute of Certified Planners (AICP), will serve as project manager and the City’s main point of contact. Ms. Waugh has 23 years’ experience with CEQA compliance and will be dedicated to the Project. She will be supported by Project Director Christine Kronenberg, AICP, along with a deep bench of staff with extensive experience working on CEQA projects in Northern California.

Figure 1 illustrates the organizational structure and lines of communication for the Dudek team. Resumes for the staff selected for this project can be found in **Appendix A**.

Figure 1. Organizational Chart



MANAGEMENT TEAM

<p>Project Manager Katherine Waugh, AICP</p>	<p>Principal in Charge Christine Kronenberg, AICP</p>
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TECHNICAL TEAM

<p>Air Quality/Energy/ Greenhouse Gas Emissions Elena Nuno</p>	<p>Biological Resources Zarina Pringle Allie Sennett Mike Henry Elliot Maldonado</p>	<p>CEQA Analysis Angelica Chiu Daniel Hoffman Jessica Booth Mollie Brogdon</p>
<p>Cultural and Historic Resources William Burns, RPA Adam Giacinto, MA, RPA Monte Kim Fallin Steffen</p>	<p>Geology/Soils, Hazards/Hazardous Materials, and Hydrology/Water Quality Eric Schniewind Perry Russell</p>	<p>GIS Tyler Friesen</p>
<p>Noise Connor Burke Jonathan Leech, AICP, INCE, PG Nick Segovia</p>	<p>Transportation Dennis Pascua Sabita Tewani, AICP, PTP Mladen Popovic, AICP</p>	<p>Wildfire Dana Link-Hererra Scott Eckardt Mike Huff</p>

Qualifications

Dudek Overview

Dudek was founded in 1980 in Encinitas, California, as a small civil engineering consulting practice for San Diego County municipal wastewater agencies and private land developers. The firm steadily grew its civil engineering practice through the 1980s, serving clients throughout Southern California. In 1990, Dudek started an environmental practice in response to expanding state and federal environmental regulations. In 2004, Habitat Restoration Sciences Inc. was founded as a habitat restoration construction subsidiary branching out from the restoration design practice. Primarily through organic growth and limited acquisitions of small firms, Dudek has continued to extend its service offerings outside of California by opening offices in Oregon, Washington, Hawaii, Virginia, Colorado, and Florida. Currently, Dudek employs over 800 employees in 18 offices nationwide, with 12 offices in California, and has projects spanning over 40 states in the United States. Joseph Monaco serves as president and CEO.

Dudek started an employee stock ownership plan (ESOP) in the early 2000s, and this continuous commitment to employee ownership culminated with Dudek transitioning to a wholly owned ESOP in 2021. As the firm has grown and evolved, the ESOP has become a defining tool in driving employee engagement by promoting an ownership culture, enhancing retirement planning, and bolstering employee retention.

Litigation

Dudek has no pending litigation that may affect its ability to provide its proposed solution.

DUDEK AT A GLANCE



Multidisciplinary design,
planning, engineering, and
environmental services

800+	12
EMPLOYEES	CALIFORNIA OFFICES

Employee-owned
CALIFORNIA CORPORATION

TOP 120	Founded in
U.S. ENVIRONMENTAL FIRMS (Engineering News-Record)	1980

References

Table 2 lists individuals who we have closely worked with to develop EIRs, environmental impact statements, initial studies, environmental assessments, mitigated negative declarations, addendums, and other studies mandated by CEQA and the National Environmental Policy Act (NEPA) for private- and public-sector projects throughout Northern California. Full project descriptions for each project can be found in **Appendix B**.

Table 2. References

Agency Name	Agency Service Description	Contract Dates	Agency Contact Information
Placer County	Dudek provided environmental consulting services and EIR preparation for the Placer County Government Center Master Plan Update project.	2016– Ongoing	Paul Breckenridge , Deputy Director of Real Estate Services & Capital Improvements, 530.889.6892, pbrecken@placer.ca.gov
NorthStar Community Services District	Dudek provided CEQA and NEPA compliance services for the Martis Valley Trail project, a 10-mile multi-use trail; and CEQA compliance services for the District's Biomass Energy Utility Facility, which will offset natural gas use for building heating by replacing it with heat generated by burning biomass materials.	2009– Ongoing	Eric Martin , District Engineer 530.562.0747 ericm@northstarcsd.org
City of Merced	Dudek prepared an EIR for this annexation and mixed-use development project for the City of Merced. The project proposes to annex approximately 70 acres from Merced County into the City and to develop a commercial and residential community on approximately 30 acres of the site.	2016– Ongoing	Francisco Mendoza-Gonzalez , Acting Senior Planner 209.388.7000 mendozaf@cityofmerced.org
City of Chico	Dudek prepared an EIR for a 1,400-acre Specific Plan. The project site is located in unincorporated Butte County but is planned to be annexed into the City of Chico. The site is undeveloped and includes a rich diversity of biological, archeological, and built environment resources.	2019– 2023	Mike Sawley , Senior Planner 530.879.6812 mike.sawley@chicoca.gov

Appendix A

Resumes

Katherine Waugh, AICP

SENIOR PROJECT MANAGER

Katherine Waugh is a senior project manager with 24 years' experience with California Environmental Quality Act (CEQA) statutory requirements, current planning methods, and environmental documentation procedures. She prepares CEQA documents for a wide range of public and private projects, managing projects effectively and maintaining momentum to meet schedule and budget requirements. Ms. Waugh applies planning and environmental laws and regulations practically and with an attention to detail, allowing her to quickly identify and resolve critical planning and environmental issues. She engages in efficient consultation with local and state agencies to ensure the resources and infrastructure these agencies manage are thoroughly evaluated and that outside agency requirements can be integrated with the Lead Agency's mitigation measures and development review procedures.

Relevant Project Experience

1005 O'Brien Drive/1320 Willow Road Research and Development Project, City of Menlo Park, California. Project manager for a Focused Environmental Impact Report (EIR) evaluating demolition of existing research and development buildings and construction of two new research and development buildings, structured parking, and publicly accessible open space on an approximately 4-acre site.

123 Independence Drive Residential Development, City of Menlo Park, California. Project manager for preparation of an EIR evaluating demolition of five existing office/industrial buildings and construction of a 316-unit apartment building and 116 townhomes on an approximately 8-acre project site.

Dorsey Marketplace Mixed-Use Lifestyle Center, City of Grass Valley, California. Project manager for Dudek's preparation of an EIR for the Dorsey Marketplace project in the City of Grass Valley, which will construct 104,350 square feet of commercial space; 8,500 square feet of office space; and 172 multifamily dwelling units. A key issue for the project was the ability of the proposed commercial space to capture a portion of the region's retail sales leakage without adversely affecting existing businesses in the Downtown Business District. Other key issues included traffic, aesthetics, and remediation of hazardous soil conditions due to the prior mining use of the site.

Castilleja School Project, City of Palo Alto, California. Project manager for the preparation of an EIR evaluating the private school's request for a Conditional Use Permit amendment to increase the campus's enrollment cap and approval of a modernization program that includes the demolition of several existing buildings and the construction of an underground parking garage and a new academic building and the replacement of the existing pool. Critical project issues relate to the project's compatibility with the surrounding single-family residential



Position with Dudek

Environmental Specialist

Length of time at Dudek

12 years

Certifications

American Institute of Certified Planners (AICP)

Professional Affiliations

American Planning Association

Association of Environmental Professionals

Education

University of California, Davis

BS, Environmental Policy Analysis and Planning

Role in the project

Project Manager

neighborhood, including transportation, noise, air quality, and aesthetics. The project involves substantial tree removal. Dudek worked with City planners and City arborists to consider numerous potential modifications to the project to reduce impacts to trees and to prepare a detailed evaluation of the project's effects on trees and consistency with the City's tree preservation policies.

Placer County Government Center Master Plan Update, County of Placer, California. Project manager for Dudek's role in the County's recent effort to update the master plan for the County's primary Government Center, located north of the City of Auburn. Dudek participated in public workshops and a preliminary site evaluation and design led by the County's architectural consultant. Dudek also prepared an EIR for the proposed master plan update. Critical project issues included provision of public services and utilities, effects to the designated historic district on site, and aesthetics. Ms. Waugh continues to manage Dudek consulting services in support of County staff as they work to implement the master plan.

Alpine Sierra Subdivision, Placer County Planning Department, California. Project manager for an EIR evaluating a 47-lot subdivision near the Alpine Meadows Ski Resort in Placer County. Managed Dudek technical staff in the preparation of air quality modeling and visual simulations and coordinated with subconsultants in the preparation of transportation and noise impacts analyses. Key issues included emergency access given the site's single point of access onto a public roadway; avalanche risk; wildfire risk and evacuation; land use compatibility; aesthetics; impacts to biological and hydrological resources; and noise. A similar project had been proposed at the site several years prior, and the neighbors filed a legal challenge to the MND prepared at that time. The revised project remained highly controversial, but no legal challenge was filed upon certification of the EIR.

The Crossings, City of Merced, California. Project manager for the preparation of an EIR evaluating a proposed mixed-use development consisting of 66,000 square feet of commercial buildings and 570 multifamily dwelling units. The project site is located in the City of Merced Sphere of Influence and is proposed to be annexed to the city. Critical project issues included loss of prime agricultural land and agricultural land of statewide importance, available capacity in the sewage conveyance infrastructure that would serve the project site, transportation, noise, and aesthetics.

Mitchell Farms Subdivision, City of Citrus Heights, California. Project manager for an EIR prepared by Dudek for the Mitchell Farms subdivision in the City of Citrus Heights. The project will construct 261 single-family residential units located on approximately 32 acres and an open space parcel of 23 acres that encompasses the on-site tributary to Arcade Creek. Key project issues include compatibility with surrounding residential development, traffic, protection of the on-site creek, loss of oak woodland habitat, and noise.

Carson Creek Specific Plan Amendment, County of El Dorado, California. Project manager for the preparation of an EIR addendum that evaluated replacing previously planned industrial land uses with a medium-density, age-restricted residential community in the southern portion of the El Dorado Hills community.

Expansion at Avenidas, City of Palo Alto, California. Project manager for the preparation of an IS/MND evaluating the expansion of an existing senior community center. A key issue was the historical status of the building and ensuring compliance with the Secretary of the Interior's Standards to verify that the proposed expansion would not impair the historic significance of the building.

Christine Kronenberg, AICP

PRINCIPAL

Christine Kronenberg (*crih-STEEN KRO-nin-burg; she/her*) is a principal and certified planner with 27 years' experience preparing and managing a range of projects primarily focused on compliance with the California Environmental Quality Act (CEQA). Ms. Kronenberg has been responsible for preparation of environmental documents throughout Northern California for both public- and private-sector clients. She has experience working in a range of geographies and on highly controversial and complex projects. Ms. Kronenberg's environmental project experience includes General Plan and Specific Planning projects and urban and greenfield development, including large-scale annexation projects. She manages the preparation of all types of environmental documents and understands the importance of meeting project deadlines, schedules, and budgets. Ms. Kronenberg expertly identifies issues that require immediate attention and effectively communicates with project participants, keeping them informed throughout the process to keep projects on schedule and within budget.

Project Experience Development

Fields at Alamo Creek Project Supplemental EIR, City of Vacaville, California.

Project Director overseeing preparation of a Supplemental EIR to amend The Farm at Alamo Creek Specific Plan to include an additional 34 acres and up to 223 residential units. The supplemental EIR is anticipated to be released for public review in late 2023. (2022–Present)

Creekside Village Specific Plan, El Dorado County, California. Project Director overseeing preparation of a 208-acre specific plan located in unincorporated El Dorado County. The site is undeveloped and historically was used for grazing land. The project includes a mix of over 900 residential units, parks, and open space. Environmental concerns include pre-historic era archeological resources, special-status biological species, increase in local traffic on area roadways and an increase in greenhouse gas emissions. The EIR is anticipated to be released for public review sometime in summer 2024. (2022-Present)

Valley's Edge Specific Plan EIR, City of Chico, California. Managed preparation of an EIR for a 1,400-acre Specific Plan. The project site is located in unincorporated Butte County and is currently undeveloped and used for seasonal cattle grazing. The Specific Plan includes 2,770 residences, mixed uses, neighborhood commercial uses, parks, open space, and a school site. Environmental issues include potential loss of special-status biological resources, concerns due to wildfire (a portion of the site was burned in the Camp Fire), historic resources, and an increase in traffic on local roadways. The project applicant is requesting annexation of the project area to the City of Chico, and the EIR will be reviewed by the Butte County Local Agency Formation Commission. The City approved the project and certified the EIR in January 2023. A legal challenge was subsequently filed. (2019–2023)



Education

*San Diego State University
MCP, City Planning, 1993*

*University of Colorado,
Boulder
BA, Political Science, 1986*

Certifications

*American Institute of
Certified Planners*

Professional Affiliations

*American Planning
Association*

Role in the project

Principal

The Farm at Alamo Creek Specific Plan EIR, City of Vacaville, California. Managed preparation of an EIR for a 210-acre Specific Plan located in the City's East of Leisure Town Growth Area. The Specific Plan includes 768 residences; a small area of neighborhood commercial uses; and 45 acres of trails, parks, and open-space uses. The project site is located within the City's sphere of influence and is proposed to be annexed to the City. Environmental concerns include potential impacts to special-status biological resources due to proximity to Alamo Creek, increase in localized flooding, and increase in traffic on area roadways. The project was approved, and the EIR was certified. (2018)

Roberts' Ranch Specific Plan EIR, City of Vacaville, California. Served as EIR project manager for a new 248-acre Specific Plan to be annexed to the City of Vacaville. The Specific Plan area is part of the City of Vacaville's East of Leisure Town Road Growth Area and is one of two new growth areas identified in the City of Vacaville's General Plan for future development. The Specific Plan includes 785 single-family residences, parks, open space, and a school site. Environmental concerns included noise due to proximity to a Southern Pacific rail line, potential incompatibility with adjacent agricultural lands, increase in traffic, and extension and capacity of required infrastructure. The project was approved, and the EIR was certified. (2017)

Belden Barns Farmstead and Winery Project EIR, County of Sonoma, California. Managed the completion of an EIR for a controversial project located in Sonoma County. The project included development of an on-site production facility (creamery and winery facility), a wine tasting room, and a hospitality building to support small farmstead food production, winemaking, and locally sourced food and wine tasting on the project site. Environmental concerns included noise from on-site equipment and events, increase in traffic and road safety, and potential drawdown of nearby wells. The EIR was certified, and the project was approved in 2016. The EIR was subsequently challenged, and a settlement between the County and the petitioners was reached. (2017)

Ponte Palmero Project EIR, County of El Dorado, California. Served as EIR project manager for an assisted living and community care facility adjacent to an existing congregate care facility in unincorporated El Dorado County. The project site is located adjacent to the Pine Hill Preserve and includes land that contains protected plant species. Environmental concerns included loss of protected plant species and an increase in air emissions, noise, and traffic. The project was approved, and the EIR was certified. (2017)

McKinley Village Project EIR, Thomas Law Group, Sacramento, California. Served as EIR project manager for a 336-unit residential project located in the City of Sacramento on a parcel of land adjacent to a busy freeway and an active rail line. Numerous projects were contemplated on this site but never prevailed due to community concerns. There were numerous environmental issues for this controversial project, including air quality, noise, and health concerns due to proximity to the adjacent freeway and trains; methane gas exposure and potential hazards due to the adjacent closed city landfill; impacts to protected species such as Swainson's hawk (*Buteo swainsoni*); impacts of increased traffic on area roadways; and vehicle access to the project site. The project was approved, and the EIR was certified. The EIR was subsequently challenged and upheld in Sacramento Superior Court. The case was appealed to the Third Appellate District and upheld, with the exception of a focused concern related to how traffic was analyzed. The City of Sacramento recirculated a discussion that addressed the traffic concern raised by the appellate court and reapproved the project and recertified the EIR. These approvals were upheld by both the superior court and the court of appeal. (2014)

Alexander Crossings Apartments EIR, City of Napa, California. Served as EIR project manager for a proposed 134-unit multifamily residential project located in the City of Napa along the Silverado Trail. Environmental concerns for this controversial project included the loss of biological resources and an increase in traffic, noise, and air emissions. The project was approved, and the EIR was certified. (2012)

Elena Nuño

AIR QUALITY/ENERGY/GREENHOUSE GAS EMISSIONS

Elena Nuño is an air resources specialist with 20 years' experience in environmental consulting and project management. She provides analysis and documentation for California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) compliance and project management support for a variety of public and private projects. Ms. Nuño's technical specialty is preparing thorough and legally defensible air quality and greenhouse gas (GHG) impact assessments using air quality models—such as the California Emissions Estimator Model (CalEEMod), Caline-4, AERMOD, and MOVES3—that accurately characterize a project's impacts and provide applicable strategies or mitigation measures to reduce potential impacts.

Relevant Project Experience

Riverview Development Air Quality, Energy, and Greenhouse Gases Technical Report, Santa Clarita, California. Served as an air quality specialist for the preparation of a stand-alone air quality, energy, and greenhouse gases technical report to support the preparation of an EIR. The project involves the development of 122 single-family homes, 269 attached townhomes, and 69,692 square feet of commercial space on approximately 35 acres in the City of Santa Clarita. Key issues included air quality plan consistency, operational health risks, and consistency with regional transportation planning for greenhouse gas impacts.

Pacifica Development Project, Oceanside, California. Served as an air quality specialist for the preparation of air quality, energy, health risk, and greenhouse assessments within the San Diego Air Pollution Control District to support an Environmental Impact Report (EIR) for a Planned Development Community in the City of Oceanside. The project involves the development of 164 residential units on a 14.55-acre site. Key issues involved construction health risks, air quality plan consistency, and greenhouse gas impacts.

Marcos Specific Plan, San Marcos, California. Served as an air quality specialist for the preparation of air quality, energy, and greenhouse assessments within the San Diego Air Pollution Control District to support an Environmental Impact Report (EIR). request for a Specific Plan, General Plan Amendment, and Rezone for a residential mixed-use development project on approximately 11.07-acre site. The Project consists of construction of 102 multi-family residential units on 5.02 acres of the project site, and construction of 7,658 square feet (sf) of office space and 49,266 sf of specialty retail space and 7 live-work residential dwelling units on 6.05 acres of the project site.

Relevant Previous Experience

Caritas Village EIR and EA, City of Santa Rosa, California. Elena served as the Project Manager and Air Quality Specialist for the preparation of an AEP-Award winning Environmental Impact Report to support CEQA compliance for the Caritas

Position with Dudek

Air Resources Specialist

Length of time at Dudek

1

Certifications

Dust Control Plan Preparer, San Joaquin Valley Air Pollution Control District

Professional Affiliations

Association of Environmental Professionals, Central Chapter Director

Education

*California State University, Fresno
MA, Public Administration
Stanford University
BS, Geological and Environmental Sciences*

Role in the project

*Air Quality/Energy/
Greenhouse Gas
Emissions*

Village Project. The Project involves the construction of a full city-block of development that includes a comprehensive family and homeless support services facility (Caritas Center) to be operated by Catholic Charities of the Diocese of Santa Rosa and an affordable housing development (Caritas Homes) to be operated by Burbank Housing Development Corporation. After completion of the EIR, the project applied for HUD federal funding and required the preparation of an EA for NEPA compliance. Elena managed the preparation of the EA and coordinated additional supplementary analysis to respond to NEPA concerns. Key issues involved potential exposure of new residents to health risks from adjacent freeway, construction health risks, and greenhouse gas emissions.

3575 Mendocino Avenue Project SCEA and EA, City of Santa Rosa, Santa Rosa, California. Elena prepared the air quality and greenhouse gas assessment to support both the Sustainable Communities Environmental Assessment (SCEA) and the Housing and Urban Development (HUD) Environmental Assessment for a proposed redevelopment project on 13.3 acres in the City of Santa Rosa, California. The site was destroyed by the devastating Tubbs Fire in 2017. The proposed development will transform the site into a compact, sustainable, transit-oriented, master planned transit village community with up to 532 high-density multi-family housing units consisting of 162 units affordable for low and very low senior households and up to 370 market rate housing units. The senior affordable housing component would include construction of three separate four-story buildings totaling 136,185 gross square feet (gsf) on 2.5 acres of the project site. The market rate housing component would include the construction of approximately eight separate three- or four-story buildings totaling 510,531 gsf on 9 acres of the project site. The proposed project would also include 1-acre of shared open space and the construction of a new public street (0.8 acre), on- and off-site utility infrastructure, parking (including surface, covered, and an aboveground garage), driveways, frontage improvements, landscaping, and a new stormwater outfall into the adjacent, off-site Russell Creek. Key issues included potential exposure of on-site and off-site sensitive receptors to health risks from on-site generators, potential construction health risks, and greenhouse gas impacts.

Midway Village Redevelopment SCEA, City of Daly City, California. The project involved the redevelopment of approximately 15-acres of land that included the existing 150-unit Midway Village and Bayshore Park. The proposed project would redevelop the site to include 555 affordable housing units, a child-care center, and community center, and relocate the Bayshore Park. As an air quality specialist, Elena prepared the air quality and greenhouse gas analysis to support the Sustainable Communities Environmental Assessment (SCEA). The analysis was also used to support the HUD EA prepared later. Key issues involved accurately characterizing existing emissions, health hazards from demolition, soil hazards from existing uses, and air quality plan consistency.

469 Stevenson Project, City and County of San Francisco, San Francisco, California. Elena served as an air quality specialist for the preparation of the air quality and health risk assessment to support an Environmental Impact Report for a 31-story mixed use affordable housing project in San Francisco. The project includes the demolition of the existing 28,790 square foot surface commercial parking lot and construction of a new 31-story, 335-foot tall building with 439 dwelling units, 3-levels of below-grade parking, Class I and 2 bicycle parking spaces, and ground-floor retail. Key issues involved construction health risks and exposure of new residents to existing sources of toxic air contaminants from roadways and nearby stationary sources.

1100 El Camino Real Redevelopment Project, City of Millbrae, Millbrae, California. Elena prepared the air quality, greenhouse gas, and energy assessment to support the preparation of a Sustainable Communities Environmental Assessment for the 1100 El Camino Real Project. The project is a transit priority project and therefore qualifies for CEQA streamlining under Senate Bill 375. The Project involves the redevelopment of a 6.7-acre site with a new five-story multi-family apartment complex and parking structure, and a six-story hotel. The proposed multi-family apartment complex would be approximately 397,272 gross square feet and provide 384 rental units, residential open space and amenity areas, and office space for property management and leasing services.

Zarina Pringle

BIOLOGICAL RESOURCES

Zarina Pringle is a biologist with 4 years' experience in terrestrial biology specializing in botanical surveys, soil characterization, and technical writing and research. Ms. Pringle has experience in a wide variety of subjects including focused rare plant surveys; wetland delineations; focused burrowing owl (*Athene cunicularia*), desert tortoise (*Gopherus agassizii*), and Crotch's bumble bee (*Bombus crotchii*) surveys; identifying plants to the species level using a dichotomous key and knowledge of California plant taxa; invasive plant management; vegetation mapping; geographic information system (GIS) mapping; data management; and wildlife game camera photo tagging. Ms. Pringle has assisted in the preparation of biological technical reports, aquatic resources delineation reports, and other technical documents in support of the California Environmental Quality Act and National Environmental Policy Act processes.

Relevant Project Experience

Industrial

Cordova Complex and Quarry at Pawnee Project, VLIG Holdings LLC Apple Valley, California. Conducted the peer review of the biological resources technical report (BTR) and served as the biological resource specialist for the preparation of the biological resource section of the Environmental Impact Report (EIR). The project involves the development of two tilt-up construction, high-pile storage warehouse buildings and associated improvements including surface parking, construction of detention basins for onsite drainage and stormwater/rain capture, and roadway improvements. (2024).

NW Apple Valley Due Diligence, Uncommon Developers, Apple Valley, California. Responded to public comments on the draft EIR and edited the final EIR and BTR. Assisted with technical writing and background research for preparation of the aquatic resources delineation report and BTR. The project would involve construction of an approximately 1,080,125 square feet single industrial/warehouse building and associated improvements, including loading docks, truck and vehicle parking, landscaped areas, and roadway improvements. (2024)

Inland Empire North Logistics Center, FGFW IV LLC, Apple Valley/Victorville, California. Conducted focused rare plant, desert native plant, desert tortoise, burrowing owl, and Crotch's bumble bee surveys for the Inland Empire North Logistics Center Project. Assisted in preparing the existing biological conditions report, which involved synthesizing survey data for this project and a related adjacent project, Apple Valley 143, into a concise and informative document. (2023)



Position with Dudek

Biologist

Length of time at Dudek

2

Certifications

Basic Wetland

Delineation, the Wetland Training Institute, 2023

California Red-legged Frog Level II workshop, California, The Wildlife Project, 2023

Professional Affiliations

The Wildlife Society

Education

University of California, Santa Cruz

BS, Ecology and Evolution

Role in the project

Biological Resources

Phelan 20 Acres, Cambria 60 Partners LLC, Hesperia, California. Assisted in the biological reconnaissance, vegetation mapping, jurisdictional delineation, and focused desert tortoise surveys for the project. Additionally, assisted in preparing the biological technical report and aquatic resources delineation report. (2023)

Energy

Confidential Energy Storage Project, Confidential Client, California. Scheduled and conducted all 2023 fieldwork for the project, including a biological reconnaissance survey, vegetation mapping, and burrowing owl surveys. Coordinated with Dudek staff to complete all fieldwork and communicated all pertinent information and biological survey findings to the project manager. (2023)

Confidential Solar Energy Project, Confidential Client, California. Assisted Phil Scoles, a wetland delineation expert, and Dudek biologists with the extensive wetland and jurisdictional delineation on site. This included implementing soil and hydrology characterization and hydrophytic plant identification methods to delineate wetland boundaries in a complex site with problematic soils. Assisted in field data collection and the data quality assurance/quality control process. (2023)

Confidential Wind Power Mitigation Project, Confidential Client, Lompoc, California. Assisted in ongoing quantitative monitoring efforts for the federally endangered Gaviota tar plant (*Deinandra increscens* ssp. *villosa*) at the mitigation project site. Surveys included establishing new plots, monitoring existing plots, and collecting quantitative data including cover estimates, invasive plant documentation, vegetation community characterization, and residual dry matter. (2023)

Housing

HumanGood Affordable Housing, HumanGood Affordable Housing, Vista, California. Served as the biological resource specialist for the preparation BTR and the aquatic resources delineation report for the project. Coordinated with GIS, other Dudek biologists, and the senior reviewer to address all comments and submit the deliverables in a timely manner. (2023)

On-Call Professional Environmental Services, City of Yucaipa, California. Conducted focused rare plant surveys for the Wine County Specific Plan and Yucaipa Freeway Corridor Specific Plan. Conducted research and literature review for the potential of special-status plant and wildlife species to occur within the project area and provided general writing support for the baseline technical report for the Wine County Specific Plan. (2022–2023)

Resource Management

Slender Horned Spineflower Restoration Program, San Bernardino Valley Water Conservation District, Redlands, California. Assisted Dudek restoration specialists in surveys to collect data on existing populations of the federally endangered slender horned spineflower (*Dodecahema leptoceras*) within the San Bernardino Valley Water Conservation District preserve. Identified and mapped a new, previously unknown, population of slender horned spineflower and identified and mapped areas with high restoration potential. (2023)

Salton Sea North Lake Pilot Demonstration, County of Riverside, California. Assisted in a wetland delineation and vegetation mapping on the north shore of the Salton Sea in support of the Dudek engineering group's North Shore Beach and Yacht Club restoration pilot project. The wetland delineation was a critical step in moving forward with geotechnical studies necessary for the project. (2023)

Tribal

Federated Indians of Graton Rancheria Learning Center at Fairfield Osborn Preserve, Sonoma State University, Penngrove, California. Conducted a focused rare plant survey prior to the start of construction and conducted construction monitoring during the preserve renovation. This included daily pre-construction surveys to identify any wildlife hazards and sensitive biological resources, including California red-legged frog (*Rana draytonii*), foothill yellow-legged frog (*Rana boylei*) special-status plants, roosting bats, and nesting birds. Identified and relocated foothill yellow-legged frogs and non-special status frogs and toads present on site and instructed crew on best management practices. Coordinated with construction crew members, job foreman, project manager, and the California Department of Fish and Wildlife to develop avoidance and minimization measures to protect foothill yellow-legged frog during construction activities. Assisted in preparing the compliance report. (2022–2023)

Water

San Joaquin Habitat Conservation Plan, California Department of Water Resources, Multiple Locations, California. Conducted focused rare plant surveys within the project area, accurately identifying both common and rare plant species in the field to collect high quality field data; conducted research on rare plant species and listed wildlife found within the project area and wrote detailed technical species accounts to be included in the San Joaquin Habitat Conservation Plan and Baseline Biology Report; assisted with a San Joaquin kit fox (*Vulpes macrotis mutica*) study and a general wildlife movement study by reviewing wildlife photos captured by game cameras, accurately identifying a wide variety of bird, mammal, and lizard species and tagging photos accordingly. (2022)

Delta Habitat Conservation Plan, California Department of Water Resources, Multiple Locations, California. Conducted focused rare plant surveys within the project area; assisted with dry season branchiopod surveys within the project area and helped coordinate daily team efforts to ensure efficiency and accuracy of survey methods covering large areas. Contributed to the project's successful completion of deliverables by conducting research and technical writing for the vegetation communities section of the biological resources report. (2022)

Relevant Previous Experience

Field Data Specialist, Bureau of Land Management, Remote. Worked closely with Bureau of Land Management (BLM) Nevada state leads to generate summaries of Assessment, Inventory and Monitoring (AIM) ecological data. Responsibilities required the use of database queries and ArcMap functions to extract specific land health indicator data from larger datasets and Microsoft Excel spreadsheets to compile, organize, and summarize data into succinct, usable formats. This process is designed to make AIM data more accessible and aid BLM project leads in making decisions regarding grazing and mining permit renewals and land restoration projects. (2021–2022)

Assessment Inventory and Monitoring Program, BLM, Various Locations, Nevada. Collected ecological field data using BLM AIM survey techniques. Consistently stayed ahead of monitoring deadlines while adapting to changing timelines and field conditions. Duties required navigation to and from sample plots using GPS, driving, and hiking on rugged terrain, and collecting high quality ecological data under extreme high desert field conditions. Became proficient in all core and many supplemental AIM data collection methods for vegetation and soils, including written assessments of rangeland health indicators. Conducted thorough botanical surveys and grouped species into their respective functional groups. Wildlife survey duties included identifying and reporting evidence of small mammals, grazing herbivores, reptiles, birds, and insects. Office duties included accurate data entry and data quality assurance and control. (2021)

Allie Sennett

BIOLOGICAL RESOURCES

Allie Sennett is a biologist with more than 12 years' experience in terrestrial and aquatic biology. Ms. Sennett specializes in aquatic resource delineations, botanical inventories, vegetation community mapping, restoration monitoring, and wildlife habitat assessments. She prepares biological technical reports, including biological assessments for Section 7 Endangered Species Act consultation, and biological resource sections of environmental documents mandated by the California Environmental Quality Act (CEQA)/National Environmental Policy Act. Ms. Sennett supports a variety of simple to complex projects across multiple sectors where she conducts impact analyses, proposes practical mitigation measures, prepares permit applications, consults with regulatory agencies, and collaborates within multi-disciplinary teams. Ms. Sennett has extensive experience leading large-scale studies covering a mosaic of natural communities and special-status species in California. She has considerable experience reviewing engineering plans and advising on resource avoidance during design planning. Ms. Sennett is also trained in bat acoustic monitoring and camera trapping for targeted species distribution and movement corridors.

Relevant Project Experience

Copeland Creek Trail to Crane Creek Park, City of Rohnert Park, Sonoma County, California. Project biologist for a proposed recreational pedestrian trail from Copeland Creek to Crane Creek Park near Petaluma.

Responsible for conducting rare plant surveys for a proposed trail project in April and June 2023. Target plants include Franciscan onion (*Allium peninsulare* var. *franciscanum*), Sonoma alopecurus (*Alopecurus aequalis* var. *sonomensis*), bent-flowered fiddleneck (*Amsinckia lunaris*), and pappose tarplant (*Centromadia parryi* ssp. *parryi*). (2023–Present)

Federated Indians of Graton Rancheria Learning Center at Fairfield Osborn Preserve Project, California State University, Sonoma, California. Conducted an aquatic resources delineation of the project site and assisted with aquatic resource permitting. Assisted with federal Endangered Species Act consultation to protect California red-legged frog present in the project area. Currently providing biological resources compliance support for project construction as a CDFW-approved biologist. Responsibilities include biological field staff scheduling, worker environmental awareness training, pre-construction surveys, and monitoring for sensitive species in compliance with resource permits (e.g., Section 1600 Lake or Streambed Alteration Agreement, Section 401



Position with Dudek

Biologist

Length of time at Dudek

5

Permits/Certifications

- CDFW Plant Voucher Collecting Permit, No. 2081(a)-16-016-V
- Wetland Delineation I and II – Basic and Advanced Training, USF 2015-2016
- Section 10(a)(1)(A) Recovery Permit, No. TE55068D-0, California red-legged frog and California tiger salamander
- SWAMP Benthic Macroinvertebrate, Algae and Physical Habitat Field Assessment Certification, 2021
- CDFW, Specific Use Scientific Collecting Permit, No. S-202690003-20269-001 (pending), California tiger salamander, foothill yellow-legged frog, western pond turtle, and California red-legged frog

Professional Affiliations

Grass Valley Wildlife Rehabilitation and Release (Board Member)

Sacramento-Shasta Chapter of the Wildlife Society

Education

University of San Francisco (USF)
MS, Environmental Management
University of California, Santa Cruz
BA, Environmental Studies

Role in the project

Biological Resources

water quality certification, Section 404 nationwide permit, and USFWS letter of concurrence). Target species documented as occurring on the project site include foothill yellow-legged frog (*Rana boylei*), California red-legged frog, and California giant salamander (*Dicamptodon ensatus*). (2021–Present)

Lance Drive Parcels, Dorothy Tesconi, Sonoma County, California. Acting as task lead for an aquatic resources delineation, general biological resources assessment, and focused rare plant surveys for an undeveloped site located in the City of Santa Rosa. Target plants for the rare plant surveys included Sonoma sunshine, Burke’s goldfields, and Sebastopol meadowfoam; the survey was conducted in accordance with USFWS survey guidelines and the Santa Rosa Plains Conservation Strategy. Reviewed technical reports and occurrence data for California tiger salamander and conducted multiple field surveys to assess wetland hydrology and identify potential refugia for California tiger salamander. (2021–Present)

310 Bellevue Avenue Development, The Ratto Group, City of Santa Rosa, California. Acting as project biologist. Conducted an updated aquatic resources delineation and prepared the aquatic resources delineation report. Conducted rare plant surveys in accordance with USFWS survey guidelines and the Santa Rosa Plains Conservation Strategy. Reviewed technical reports and occurrence data for California tiger salamander and conducted multiple field surveys to assess wetland hydrology and identify potential refugia for California tiger salamander. (2021–Present)

2200 Piner Road, Confidential Client, City of Santa Rosa, California. Acting as project biologist. Prepared a biological resources constraint analysis and permitting strategy. Coordinated with the California Department of Fish and Wildlife (CDFW) regarding biological resource permitting, including a site visit. Conducted focused rare plant surveys; target plants for the rare plant surveys included Sonoma sunshine (*Blennosperma bakeri*), Burke’s goldfields (*Lasthenia burkei*), and Sebastopol meadowfoam (*Limnanthes vincularis*); the survey was conducted in accordance with U.S. Fish and Wildlife Service (USFWS) survey guidelines and the Santa Rosa Plains Conservation Strategy. Reviewed technical reports and occurrence data for California tiger salamander (*Ambystoma californiense*) and coordinated with regional biologists and mitigation bank representatives familiar with species abundance in the area, including Ted Winfield and Harvey Rich. Conducted multiple field surveys to assess wetland hydrology and potential refugia for California tiger salamander. (2022–2023)

Pisoni Warehouse Project, Wine Box LLC., Sonoma County, California. Conducted an aquatic resources delineation and rare plant survey of an undeveloped parcel located within the City of Rohnert Park. Target plants for the rare plant surveys included Sebastopol meadowfoam; the survey was conducted in accordance with the relevant USFWS survey guidelines and the Santa Rosa Plains Conservation Strategy. Reviewed occurrence data for California tiger salamander and updated the habitat assessment report in coordination with Craig Seltnerich. (2020–2022)

South Mountain Village Intersection Mitigation, City of Rohnert Park, Sonoma County, California. Served as biologist. Conducted a biological resources assessment at three road improvement sites. Prepared a memo summarizing potential biological constraints, including California tiger salamander, tree-roosting bats, and nesting birds. (2019)

Hunter Subdivision Development, City of St. Helena, Napa County, California. Conducted an updated wetland delineation for the project site, including a cumulative impact site located at the Pope Street Road bridge over Napa Creek. Prepared the biological resources technical section of the draft EIR, including the impact assessment and avoidance and minimization measures. Biological resources with potential to occur in the project vicinity include tree-roosting bats, nesting birds, and white-tailed kite (*Elanus leucurus*). Conducted a rare plant survey at the project site, including reference population research. (2019–2020)

Field Improvement Project, Cloverdale High School, Sonoma County, California. Served as biologist. Conducted a general biological survey, habitat assessment, and preliminary jurisdictional delineation of waters of the United States and state. Prepared a biological technical report that summarized the environmental baseline and biological resources with potential to be impacted by the proposed project. Special-status species and resources included wetlands, streams, tree-roosting bats, and nesting birds. Assisted with CEQA documentation, prepared permit applications to the USACE, RWQCB, CDFW pursuant to the Clean Water Act and Fish and Game Code 1602, and coordinated with the agencies to obtain approvals/permits. Performed pre-construction surveys, worker environmental awareness training, and restoration monitoring. (2019-2020)

Habitat Restoration and Regulatory Compliance, Clover Flat Landfill, Napa County, California. Assisted with the biological resources assessment and aquatic resources delineation reports. Conducted a biological field survey and stream health assessment for a remediation project associated with the Clover Flat Landfill. Presented the findings in a letter report for submittal to the Regional Water Quality Control Board and CDFW. (2022)

Tank 9 Pad and Retaining Wall Improvement, City of Rohnert Park, California. Served as biologist. Conducted pre-construction surveys for burrowing owl, nesting birds, rare plants, and bat roosts. Mapped and flagged aquatic resources for avoidance and noted infestations of invasive plants in the work area. Summarized the field surveys in a results memo. (2022)

Roblar Road Quarry, John Barella, Sonoma County, California. Served as biologist. Conducted a preconstruction survey for nesting birds and birds-of-prey, and summarized the results in a technical memorandum. (2019)

Mike Henry, PhD

BIOLOGICAL RESOURCES

Mike Henry is a senior ecologist with 23 years of experience involving management and analysis for a variety of biological research projects, including large-scale habitat conservation planning under Section 10 of FESA, watershed analysis, and a range of project- and program-level documents in compliance with NEPA and CEQA. Dr. Henry has served as the contract manager and senior ecologist for the South Sacramento Habitat Conservation Plan (SSHCP) and Aquatic Resources Plan (ARP) and currently manages an implementation contract for that plan, and is managing preparation of two other HCPs in Northern California. Dr. Henry has also served as a project manager of biological resource investigations and environmental documents for a wide range of federal and municipal projects. He has published his biological research in international peer-reviewed journals and presented findings at international conferences.

Relevant Project Experience

The Farm at Alamo Creek EIR, City of Vacaville, California. Biological resource lead for preparation of an EIR analyzing a residential development on existing farmland and riparian corridor. Because the site was near Travis Air Force Base, he prepared a Wildlife Hazard Assessment analyzing how the proposed project would affect bird flight patterns or aggregations of species potentially hazardous to aircraft, and also suggested ways the project proponent could reduce those risks.

South Sacramento Habitat Conservation Plan Implementation Services. South Sacramento Conservation Agency, California. Contract manager and senior ecologist for as-needed contract providing support services to implement the South Sacramento Habitat Conservation Plan (SSHCP) and Aquatic Resources Plan. Services he has overseen or provided to date include memoranda explaining or clarifying portions of the SSHCP and ARP, pre-acquisition surveys on proposed SSHCP preserves, preserve management plans for SSHCP preserves, indirect effects analyses for SSHCP covered activities such as the Capital Southeast Connector including the Scott Road Realignment in 2021, and other miscellaneous support on a rapid-response as-needed basis.

Delta Field Division Habitat Conservation Plan (HCP), Department of Water Resources, California. Project Manager and Senior Ecologist for preparation of an HCP covering all operations and maintenance activities of the State Water Project within the Delta Field Division. Effort currently underway includes protocol-level surveys, habitat assessment, wetland delineation and other field work within a 10,000-acre permit area that includes the North Bay Aqueduct, South Bay Aqueduct, and portions of the California Aqueduct. The Conservation Strategy under development will balance on-site avoidance and off-site compensatory mitigation while minimizing the regulatory burden to DWR and allowing them to conduct much needed maintenance within this critical infrastructure.



Position with Dudek

Biologist

Length of time at Dudek

10

Certifications

Graduate Program in Management Practice

Professional Affiliations

National Habitat Conservation Planning Coalition

Superior California Chapter of the Association of Environmental Professionals (AEP)

The Wildlife Society

Education

*University of California, Santa Barbara
PhD, Ecology, Evolution, and Marine Biology
BS, Aquatic Biology*

Role in the project

Biological Resources

South Sacramento Habitat Conservation Plan and Environmental Impact Study/Environmental Impact Report (EIS/EIR), County of Sacramento, California. Served as senior ecologist and project manager to prepare an HCP covering 325,000 acres south and east of the City of Sacramento. The HCP will permit incidental take of federally and state-listed species from covered activities. Assisted in overall document management and quality control, prepared technical analyses of effects of covered activities and benefits of HCP conservation to covered species, and developed a framework for a comprehensive monitoring and management plan to track HCP implementation and species outcomes. Also served as project manager for preparation of the EIS/EIR analyzing the HCP. Coordinated regularly with the County of Sacramento; responsible agencies, including the U.S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW), and U.S. Army Corps of Engineers (ACOE); and stakeholder groups, such as local land trusts and environmental organizations.

Santa Clara Valley Habitat Plan, Santa Clara Habitat Agency, Santa Clara County, California. Serving as senior ecologist assisting the Santa Clara Valley Habitat Authority in developing their database and data collection tools to implement the approved Santa Clara Valley Habitat Plan. The database design will allow the Agency to ensure compliance with Habitat Plan requirements, integrate field data collection to minimize manual input, direct alerts when objectives are falling behind, and provide a host of other highly valuable functions for the Agency.

Wildlife Damage Management Program EIR/EIS, California Department of Food and Agriculture and US Department of Agriculture. Biological resources lead for joint EIR/EIS analyzing the effects of vertebrate wildlife damage management programs in California, including those conducted through federal programs and those conducted by County-level agencies. The EIR/EIS will provide analysis to support the decision making and permitting for each County program, avoiding the need for each County to develop their own plan and document.

Bear River Restoration at Rollins Reservoir Environmental Impact Report (EIR), Nevada Irrigation District, California. Served as biological resources analyst responsible for preparing the biological resources existing setting and environmental impact analysis for a proposed gravel skimming operation within the Bear River. The project area and vicinity included the largest known population of the federally listed foothill yellow-legged frog (*Rana boylei*). Developed detailed and innovative mitigation measures to ensure that project activities would not disrupt breeding activity or use of the Bear River by foothill yellow legged frog adults, tadpoles, or juveniles.

Grandpark Habitat Conservation Plan (HCP), Confidential Client, Sacramento County, California. Serving as project manager and lead ecologist in preparation of an HCP guiding conservation of nine special-status species that would be impacted by approximately 5,000 acres of urban development in the Natomas Basin. Covered species include giant gartersnake (*Thamnophis gigas*), western pond turtle (*Actinemys marmorata*), several raptors, and vernal pool invertebrates. The conservation plan integrates new research on the genetic connectivity of giant gartersnake, resource utilization by Swainson's hawk (*Buteo swainsonii*), and reserve design optimization in coordination with the Arthur Rylah Institute for Environmental Research.

Elliot Maldonado

BIOLOGICAL RESOURCES

Elliot Maldonado (She/Her) has over 11 years of experience as a professional biologist. She has worked on numerous utility, renewable energy, development, and public transportation projects throughout California. Ms. Maldonado conducts habitat assessments, natural resource inventories, prepares documents in accordance with the CEQA/NEPA process, biological technical reports, state federal, and local permits, HCP applications, and proposals. She provides project management and conducts surveys, and monitoring for projects within various ecosystems throughout California. Ms. Maldonado conducts surveys for special-status wildlife, bat mist netting, small mammal and amphibian trapping, point count and acoustic surveys, She has professional training and volunteer experience with special-status species including, but not limited, to foothill & Sierra Nevada yellow-legged frog, California red-legged frog, California tiger salamander, western pond turtle, giant garter snake, blunt-nosed leopard lizard (Level 2 Biologist), willow flycatcher, burrowing owl, golden eagle, Swainson's hawk, and valley elderberry longhorn beetle. Ms. Maldonado has served as a project manager and lead biologist under and with the Natomas Basin Conservancy, South Sacramento HCP, Kern County Valley Floor HCP, Placer County Conservancy, Santa Clara Valley HCP, and is a certified biologist under the Yolo and East Contra Costa counties HCP/NCCPs. Ms. Maldonado is also an experienced wildlife rehabilitator and handler.

Relevant Project Experience

Elmore North Geothermal, California Energy Commission, Imperial County, California. Assisted with the biological resources analyses in contribution to the draft EIR. Major focuses included geofluid, brine ponds, and atmospheric flash systems.

Bowers Backup Generating Facility, California Energy Commission, Santa Clara County, California. Drafted the biological resources analyses in contribution to the EIR. Major focuses included nitrogen deposition. Mitigation pulled from outside of Santa Clara Valley HCP boundary, appropriate mitigation applied where necessary. State Clearinghouse No. 2023020228.

CVWD Thousand Palms Flood Control, Coachella Valley Water District, Riverside County, California. Drafted decision documents for the Final EIR/EIS. State Clearinghouse No. – 2016111053.

Fountain Wind, California Energy Commission, Shasta County, California. Performed QAQC of draft CEQA documents. Drafted wind turbine impact and mitigation resource summary. Conducted protocol-level fixed-point count avian



Position with Dudek

Biologist

Length of time at Dudek

1

Permits/Certifications

- CDFW Plant Voucher Collecting Permit, No. 2081(a)-22-074-V
- Certified /Qualified Biologist: Yolo HCP/NCCP and ECCC HCP/NCCP

Professional Affiliations

Sierra Wildlife Rescue (Board Member, Bat Team Lead, Wildlife Rehabilitator, Public Education Assistant)
The Wildlife Society Sacramento-Shasta, California North Coast, San Francisco Bay Area, and San Joaquin Valley Chapter Committee Member

Education

University of California, Berkeley (UCB) BS, Natural Resources and Conservation - Concentration: Wildlife Biology

Role in the project

Biological Resources

surveys for listed raptors, including golden eagle and northern goshawk, in accordance with USFWS Eagle Conservation Plan Guidance for land-based wind energy projects. Completed Anabat systems training for setup and use of hardware and software for detecting bat species via vocalizations. State Clearinghouse No. 2019012029.

Mace Boulevard and Alhambra Drive Commercial Development, Yolo County, California. As Project Manager and a Yolo HCP Qualified Biologist, Ms. Maldonado, implemented project avoidance and minimization measures for Swainson's hawk, conducted burrowing owl monitoring/surveys, installed and removed exclusion devices, prepared monitoring reports in accordance with the projects Burrowing Owl Exclusion Plan, and coordinated with the City of Davis. Conducted Worker Environmental Awareness Program (WEAP) training.

Rancho Seco Solar II, Sacramento Municipal Utility District (SMUD), Herald, California. As a CDFW Designated Biologist and the Project Manager, Ms. Maldonado conducted pre-construction surveys and biological monitoring for California tiger salamander (CTS), western pond turtle (WPT), and other special status species and prepared daily and monthly monitoring reports. Conducted Worker Environmental Awareness Program (WEAP) training, and training for designated biological monitors. Moved wildlife species to safe offsite locations. Ms. Maldonado also assisted a CTS permitted handling biologist (Jaymee Marty) in the relocation of CTS found onsite. Special status species observed include CTS, Swainson's hawk, and nesting birds. State Clearinghouse No. – 2017092042, SAA No. 1600-2018-0241-R2, ITP No. 2081-2018-057-02.

Los Padres National Forest Ecological Restoration, DJ&A, Los Padres National Forest, California. Task Manager/Coordinator for the wildlife survey effort. Performed desktop habitat assessment for and coordinated protocol-level California spotted owl, blunt-nosed leopard lizard, California-red legged frog, southwestern pond turtle, San Emigdio blue butterfly, two-striped garter snake, and vernal pool fairy shrimp. The U.S. Forest Service (USFS) is proposing the Ecological Restoration Project (ERP) within the Los Padres National Forest (LPNF). The project will involve analyzing potential fuel treatments along roads, OHV trails, property lines, areas identified by the Los Padres Strategic Fuelbreak Assessment, and in other general forested areas in need of forest health thinning. The project occurs in Monterey, Mt. Pinos, Santa Lucia, and Santa Barbara Ranger Districts. The LPNF Ecological Restoration Project requires analysis under NEPA including an Environmental Assessment (EA), long-term operation and maintenance plans, as well as permit applications with the RWQCB, CDFW, USFWS, ACOE, and others. 62369 - 218 (2013) Non-HFRA.

Crosby Herold Road Bridge Replacement at Doty Creek Ravine, Placer County Department of Public Works and Facilities, Placer County, California. Managed Environmental Commitments Record (ECR) and contract materials for the Crosby Herold Road bridge replacement, implemented compliance with CEQA/NEPA measures via work notifications, pre-construction surveys for California red-legged frog, western pond turtle, nesting birds, and other special status species, Worker Environmental Awareness Program (WEAP) training, and monitoring of in water work. Mitigation met Placer County HCP standards. LSA No. 1600-2020-0128-R2; USFWS BO 08ESMF00-2015-F-0296-1.

Highspeed Rail (Merced to Fresno), Madera County, California. Conducted data analysis and assisted in the (preparations of amendments for Section 404 of the Clean Water Act, Section 401 Water Quality Certification, Section 1602 Streambed Alteration Agreement (SAA), Section 2081 Incidental Take Permit (ITP), and Section 7 Biological Opinion (BO).

City of Ukiah Recycled Water, Mendocino County, California. Conducted pre-construction surveys for foothill yellow-legged frog, western pond turtle, nesting birds and birds of prey; and presence/absence surveys and identification of fish, amphibian, and turtle species in accordance with the Streambed Alteration Agreement (SAA). Provided biological monitoring and daily reports for the installation of a water pipeline near a creek.

Angelica Chiu

CEQA ANALYSIS

Angelica Chiu is a planning analyst with 2 years' experience specializing in California Environmental Quality Act (CEQA) document preparation and compliance, as well as project coordination for both public and private sector clients throughout California. Ms. Chiu provides analytical support and project management assistance to senior staff for a variety of projects, including new residential, hotel, commercial, mixed-use, and warehouse developments. She also has experience with education projects, public utilities projects, and statewide programs. Ms. Chiu facilitates timely and efficient completion of project deliverables with quality assurance.

Relevant Project Experience

Creekside Village Specific Plan EIR, El Dorado County, California. Deputy project manager and project analyst assisting El Dorado County with preparation of an Environmental Impact Report (EIR) for a 208-acre specific plan in the unincorporated community of El Dorado Hills. The project proposes up to 926 residential units along with three parks and areas of open space on currently undeveloped land. Environmental issues include potential loss of special-status nesting and foraging habitat, decrease in school capacity from new student enrollment, and potential for wildfire. The EIR is anticipated for release later in 2021.

24th and Waverly Project, NASH – Holland 24th & Waverly Investors LLC, City of Oakland, California. Project analyst for the 24th and Waverly project CEQA checklist using streamlining provisions under CEQA Guidelines Section 15182, 15183, an 15183.3 to tier from the program-level analyses completed in the City of Oakland's Broadway Valdez District Specific Plan. The project includes the demolition of residential and commercial structures to construct a 15- to 16-story building, including 330 residential units and approximately 13,000 square feet of retail uses. Tasks included preparing the checklist document, reviewing the project consistency with the Broadway Valdez District Specific Plan and the CEQA Guidelines streamlining provisions, and regular contact with the client and the City of Oakland.

Holiday Inn Express and Suites Mitigated Negative Declaration, City of Rohnert Park, California. Project analyst for the Holiday Inn Express and Suites project Mitigated Negative Declaration. The project includes construction of a new hotel with associated infrastructure and a mixed-use commercial building upon a site including natural vegetation communities and suitable habitat for special status plant and wildlife species, including critical habitat for the California tiger salamander (*Ambystoma californiense*). In addition to the buildings, the project proposes the extension and re-alignment of an adjacent road to provide a secondary access point. Tasks include preparing the project description and environmental checklist document, and coordination with technical staff and the City of Rohnert Park.



Position with Dudek

Environmental Planner

Length of time at Dudek

5

Professional Affiliations

Association of Environmental Professionals

Education

University of California, Davis

BS, Environmental Policy Analysis and Planning

Role in the project

CEQA Analysis

Valley's Edge Specific Plan Project EIR, City of Chico, California. Project analyst for the Valley's Edge Specific Plan Project EIR. The project includes a blueprint for a mixed-use community including a range of housing types, commercial uses, parks, and open space areas. The project site is located within Butte County, but is within the City of Chico's Sphere of Influence and would be annexed to the City upon approval. Environmental issues include potential loss of special-status biological resources, concerns due to wildfire (a portion of the site was burned in the 2018 Camp Fire), historic resources, and increase in traffic on local roadways. Project tasks include preparation of EIR sections and coordination with senior and technical staff.

Hunter Subdivision Project EIR, City of St. Helena, California. Project analyst for a proposed residential project on an approximately 17-acre parcel located near downtown St. Helena. The project includes 51 single-family homes, 25-multi-family units, and up to 25 accessory dwelling units. Environmental concerns include cultural resources due to proximity to recorded resources, increase in water demand, and generation of vehicle miles traveled. The project is very controversial and the City of St. Helena anticipates a legal challenge to the EIR.

North San Pedro Park and Bassett Park Master Plan Project, Addendum to the Downtown Strategy 2040 EIR, City of San José, California. Deputy project manager for an Addendum to San José's Downtown Strategy 2040 EIR. The project includes development of two parks for new passive and active recreational opportunities in an area undergoing rapid development. Tasks include preparing the project description and environmental analysis, as well as maintaining direct communication with landscape architects and City of San José staff.

SOMO Village Project Supplemental EIR, City of Rohnert Park, California. Project analyst for the SOMO Village Project Supplemental EIR, which proposes a number of updates to the Sonoma Mountain Village project (prior approved project). The updates include land use changes and relocation of a water tank from on-site to unincorporated Sonoma County. The project includes a total of 1,694 single-family attached and detached residences and 823,000 square-feet of commercial, light industrial, and retail uses. The project is envisioned as a mixed-use urban village designed around a central village center.

California State University, Chico Master Plan EIR, Butte County, California. Project analyst for the California State University, Chico Master Plan EIR, which includes the addition of 1,400 student-housing beds, a 4,000-seat arena, renovation and demolition of various academic spaces, and improvements to the University Farm. The proposed Master Plan provides the basis for the physical development of the California State University, Chico campus over the next 10 years, describing the land uses and building space requirements to support 18,600 full-time equivalent students. Tasks include preparing the analysis for potential land use, public services, recreation, utilities, population/housing, and aesthetic impacts from approval of the project.

Woodland Community College Performing Arts and Culinary Services Project Initial Study and Mitigated Negative Declaration, Yuba Community College District, City of Woodland, California. Project analyst for the Initial Study/Mitigated Negative Declaration for the Woodland Community College Performing Arts and Culinary Services Project, which involves a new building on the Woodland Community College campus to support the existing Performing, Fine Arts, and Speech programs while creating space for the new Culinary Arts program. The new building would be approximately 29,118 assignable square-feet, with a dramatic arts assembly space and laboratory space for music and culinary arts.

Sierra College Football Stadium Lighting Project Initial Study and Negative Declaration, Sierra Joint Community College District, City of Rocklin, California. Project analyst for the Sierra College Football Stadium Lighting project Initial Study/Negative Declaration. The project includes installation of overhead lights at the football stadium, beach volleyball fields, and nearby walkways at the Rocklin Campus of Sierra College to allow use for nighttime events and activities. Important environmental issues include aesthetic and noise concerns.

Daniel Hoffman

CEQA ANALYSIS

Daniel Hoffman is an environmental planner with 5 years' professional experience specializing in CEQA/NEPA compliance, planning and permitting, and construction management.

Mr. Hoffman has worked as an environmental planner and contract city planner for several municipalities throughout Northern California such as the Cities of Martinez, San Pablo, Vallejo, and Watsonville and Counties of Santa Clara and Sonoma. Mr. Hoffman has produced defensible CEQA documents, implemented and navigated regulatory permitting processes, and prepared and presented staff reports in public hearings.

Relevant Previous Experience

Santa Clara Valley Medical Center Behavioral Health Services Center Initial Study/Mitigated Negative Declaration (IS/MND), MIG Inc., Santa Clara, California. Served as environmental planner for a medical facility project consisting of a three-story Behavioral Health Services Center building and associated four-story parking structure. The project was to replace, consolidate, and expand existing mental health services on the medical campus that were previously housed in three separate buildings into one facility. The facility's expanded services benefit the behavioral health needs for Santa Clara County residents and the surrounding communities. Tasks included environmental analysis through the preparation of a project CEQA IS/MND and preparation of public noticing documents.

Tru Hilton Hotel IS/MND and Conditional Use Permitting (CUP), MIG Inc., Santa Rosa, California. Served as environmental planner and contract project planner for a hospitality project consisting of a four-story hotel near the Charles M. Schulz Airport. Tasks included environmental analysis through the preparation of a project CEQA IS/MND, planning review and staff report for the CUP and Design Review, preparation of public noticing documents, and correspondence with interested public.

Carlton Senior Living Facility IS/MND and CUP, MIG Inc. Vallejo, California. Served as environmental planner and contract project planner for a senior living facility project involving the construction and operation of a 156-unit senior living facility at a formerly vacant Elks Lodge site. Tasks included environmental analysis through the preparation of a CEQA IS/MND, planning review and staff report preparation for the CUP, preparation of public noticing documents, correspondence with interested public, and staff report presentation to City Planning Commission.

Sonoma County Cannabis Program CEQA Analysis and Local Permitting, MIG Inc., Sonoma County, California. Served as environmental planner and contract county planner for Permit Sonoma. The program was established in 2015 to locally permit cannabis cultivation, manufacturing, and dispensing operations throughout Sonoma County. Tasks included generating a template IS/MND for the client's internal use as well as working with applicants and



Position with Dudek

Environmental Planner

Length of time at Dudek

3

Professional Affiliations

Association of Environmental Professionals

Education

*Whitman College
BA, Environmental Studies/Economics*

Role in the project

CEQA Analysis

operators to zoning compliance and CUP issuance. Served as project planner for second outdoor cannabis cultivation CUP issued in Sonoma County. Prepared and presented staff reports to Planning Commission.

City of San Pablo Contract Planning, MIG Inc., San Pablo, California. Served as contract planner for the City of San Pablo's Planning Department. Provided staff support to the City of San Pablo by providing project management, staff report preparation, general plan and zoning analysis, and customer service via telephone, email, and public information counter. Presented staff reports to City of San Pablo's Planning Commission and helped author the City's revised Accessory Dwelling Unit ordinance to better comply with State legislation.

City of Martinez Contract Planning, MIG Inc., Martinez, California. Served as contract planner for the City of Martinez' Planning Department. Provided staff support to the City of Martinez by providing project management, staff report preparation, general plan and zoning analysis, and customer service via telephone, email, and public information counter.

Charter Hotel, Skanska USA Building, Seattle, Washington. Served as construction project engineer to coordinate multiple scopes of work for a 16-story hotel build in Downtown Seattle. Fostered positive cross-functional relationships with developers, subcontractors, crew members, engineers, and architects while tracking project costs and schedule.

Awards

"People's Choice" and "Communication" Awards from the Portland Design Museum and American Society of Landscape Architects, 2018, for designing, engineering, and fabricating a public bench in Portland, Oregon.

Jessica Booth

CEQA ANALYSIS

Jessica Booth is an Environmental Planner I that specializes in California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) document preparation.

In addition, Ms. Booth has worked as a landscape designer at a commercial Landscaping Firm in Rancho Cordova, CA. There she worked on projects all over Northern California, including various apartment complexes, restaurants, small businesses, and housing developments. She also specializes in environmental concerns, sustainable design, and site analysis.

Relevant Project Experience

Northstar California Biomass Energy Plant, Northstar Community Services District, Northstar California Resort, California. Project Analyst involved in preparation of an Initial Study/Mitigated Negative Declaration (IS/MND), Mitigation Monitoring and Reporting Program (MMRP), and public notices for NCS’s proposed Biomass Energy System project. The Biomass Energy System is expected to provide sufficient energy to existing buildings within the Northstar California community to reduce natural gas consumption by approximately 50 million British thermal units per year.

123 Independence Drive Residential Project, City of Menlo Park, California. Project Analyst supporting preparation of the Final Environmental Impact Report (EIR) for a project that proposes redevelopment of an 8.15-acre site in the bayfront area of the City of Menlo Park. The site currently supports five industrial and light office buildings and the proposed development includes a five-story 316 unit apartment building and 116 townhomes, including 74 below-market rate apartment and townhome units. Responsible for completing edits to responses to comments and Draft EIR text revisions.

1005 O’Brien Drive Life Sciences Project, City of Menlo Park, California. Project Analyst involved in preparation of an IS, Focused EIR sections, and public notices for a project that proposes to demolish two existing office buildings and construction of approximately 401,000 square feet of life sciences buildings, a 7 level above grade parking garage, and 59,000 square feet of open space on an approximately 4-acre site.

Rohr Wohl Bayfront Specific Plan, City of Chula Vista, California. Project Analyst responsible for preparation of the biological resources section of the EIR for this Specific Plan which proposes a mixture of commercial, light industrial, technology park, and business park land uses on a 44.78-acre site currently occupied by the former Rohr Aircraft Facility.

Diamond Springs Community Park, El Dorado County, California. Project Analyst responsible for preparation of IS and EIR sections evaluating potential impacts from development and use of a new community park in the unincorporated community of Diamond Springs.



Position with Dudek

Environmental Planner

Length of time at Dudek

1

Education

University of California, Davis

Bachelor of Science in Sustainable Environmental Design, 2022

Role in the project

CEQA Analysis

Marysville and Lindhurst High School Stadium and Track Improvements, Marysville Unified School District, California. Project Analyst for preparation of Notices of Exemption for stadium and track improvements at two Marysville Unified School District high school campuses.

CEQA Implementation Manual, San Francisco Unified School District, California. Project Analyst involved in preparation of a CEQA Implementation Manual and templates to help guide SFUSD project managers integrate CEQA compliance procedures with project development.

Pines to Mines Recreational System, Tahoe National Forest, California. Project Analyst involved in preparation of a NEPA Environmental Assessment evaluating potential effects from development of a new 16-mile back-country trail and designating the new trail and several existing trail segments as accommodating use by Class 1 e-bikes as well as mountain bikes, pedestrians, and equestrians.

Mollie Brogdon

CEQA ANALYSIS

Mollie Brogdon is an environmental planner who specializes in research for and preparation of California Environmental Quality Act documents, including environmental impact reports (EIRs), initial studies (ISs), and mitigated negative declarations (MNDs).

In addition, Ms. Brogdon has collaborated with the Transportation Agency of Monterey County and California State University, Monterey Bay’s Department of Applied Environmental Science. In this capacity, she worked with the Sustainable City Year Program to complete a traffic study in connection with the Safe Routes to School program. She also has an educational background in social and behavioral sciences with a concentration in anthropology.

Relevant Project Experience

Rohr Wohl Bayfront Specific Plan, City of Chula Vista, California. Project analyst responsible for preparation of the public services and recreation resources sections of the EIR for this Specific Plan that proposes a mixture of commercial, light industrial, technology park, and business park land uses on a 44.78-acre site currently occupied by the former Rohr Aircraft Facility.

Diamond Spring Community Park, El Dorado County, California. Project analyst responsible for preparation of IS and EIR sections evaluating potential impacts from development and use of a new community park in the unincorporated community of Diamond Springs.

Sly Park Recreation Area – Acorn Day Use Area, El Dorado Irrigation District, El Dorado County, California. Project analyst involved in preparation of an IS/MND. The project proposes improvements, including a parking area and Americans with Disabilities Act–compliant restroom facilities, picnic sites, and an interpretive trail, to formalize day-use facilities within an existing recreation area.

Fenton Parkway Bridge Project, The Board of Trustees of the California State University, San Diego, California. Project analyst responsible for preparation of the utilities and service systems, hazards and hazardous materials, and cultural resources sections of the EIR. This project proposes a vehicular, bicycle, and pedestrian bridge that would provide a connection between the business and residential areas north and south of the San Diego River in the Mission Valley community.

Yuba College Softball Field Project, Yuba Community College District, Yuba City, California. Project analyst involved in preparation of an IS/MND. The project proposes the construction of a softball field and the implementation of code-compliant upgrades to existing restroom facilities on the Yuba College campus.



Position with Dudek

Environmental Planner

Length of time at Dudek

1 year

Education

*California State University,
Monterey Bay*

*BA, Social & Behavioral
Sciences,
Minor in Environmental
Studies*

Role in the project

CEQA Analysis

William Burns, RPA

CULTURAL AND HISTORIC RESOURCES

William Burns is an archaeologist with 18 years' experience in cultural resource management. Mr. Burns is highly knowledgeable about the California Environmental Quality Act, the National Environmental Policy Act, the Native American Graves Protection and Repatriation Act, and the National Historic Preservation Act, particularly the Section 106 process. He evaluates buildings and districts for archaeological sensitivity and possible inclusion on the National Register of Historic Places. Mr. Burns assesses project and building plans for archaeological sensitivity and reviews archaeological reports on the state government regulatory end of the process.

Mr. Burns possesses expertise about pre-contact archaeological sites, paleocoastline reconstruction, and artifact identification and analysis. He applies this expertise to archaeological report writing and editing for Section 106 projects. He also serves on field crews and as a supervisor on archaeological projects, overseeing surveys, site examinations, data recoveries, and artifact database creation and maintenance. For precise site mapping, Mr. Burns uses GPS devices, primarily Trimble GEO XH, ArcGIS, and Maptitude.

Relevant Project Experience

Pacifica Fuel Management Project, California Department of Forestry and Fire Protection, Pacifica, California. Performed cultural survey, conducted records search, and prepared cultural resources report for vegetation management project.

San Carlos Fuel Management Project, California Department of Forestry and Fire Protection, San Carlos, California. Performed cultural survey, conducted records search, and prepared cultural resources report for vegetation management project.

Alameda County Advanced Meter Infrastructure Project, Alameda County, California. The project proposed to upgrade existing traditional water meter reading systems within its service area with an Advanced Metering Infrastructure system across 84,200 existing meters. As project archaeologist, performed the records search and reviewed and summarized the data of the approximately 41,000-acre project area. Reviewed geomorphological data for the project site and developed a sensitivity model and monitoring plan for the project.

Advanced Meter Infrastructure Project, Santa Clara County, California. Performed cultural survey, conducted records search, and prepared cultural resources report for countywide water system metering infrastructure upgrades.



Position with Dudek

Archaeologist

Length of time at Dudek

9

Certifications

Register of Professional Archaeologists (RPA)

Divemaster (National Association of Underwater Instructors)

Occupational Safety and Health Administration (OSHA) HAZWOPER (40-hour)

Basic First Aid/BBP (American Heart Association)

Adult CPR/AED (American Heart Association)

Education

University of York
MS, Coastal and Marine Archaeology

University of Massachusetts at Amherst
BA, Anthropology (Mathematics minor)

Role in the project

Cultural and Historic Resources

Delta Dams Burrow Remediation Project, California Department of Water Resources, Alameda and Contra Costa Counties, California. Performed cultural survey, conducted records search, and prepared cultural resources report for DWR dam and reservoir stabilization project at three different dams.

Yokohl Ranch Housing Development Project, The Yokohl Ranch Company LLC, Tulare County, California. Conducted field survey and performed site evaluation for large housing development.

Arden Gateway Project, Fulcrum Property, Placer County, California. Prepared cultural resources report for commercial and residential development.

Yorba Avenue Warehouse Project, Pacific Industrial Inc., Long Beach, California. Prepared a cultural resources letter report based on a records search and field survey for construction of a warehouse and office facility with parking lots and retention basins.

Proctor Valley Village 14 and Preserve Project, County of San Diego, California. Conducted field survey and site evaluation, prepared cultural resources report, and provided artifact analysis for a component of the Otay Ranch master-planned community.

Vista Canyon Ranch Sewer Line Project, Vista Canyon Ranch LLC, City of Santa Clarita, California. Provided field survey, site evaluation, and artifact analysis for a mixed-use residential and commercial development.

Rancho Cucamonga Northeastern Sphere Annexation Area, Sargent Town Planning, Rancho Cucamonga, California. Conducted field survey and site evaluation of a potential annexation area.

Palm Avenue Distribution Center, IDS Real Estate Group, San Bernardino, California. Conducted field survey and site evaluation, and assisted with preparation of a cultural and paleontological resources monitoring report for warehouse/distribution center construction.

Newhall Homestead South Project, Newhall Land and Farming Company, Los Angeles County, California. Participated in intensive-level field survey of a 2,535-acre project site for a residential and commercial development.

Five Lagunas, Merlone Geier Management LLC, Laguna Hills, California. Completed a records survey for redevelopment of a mall property.

8777 Washington Boulevard Project, Guild GC (VCN LP), Culver City, California. Conducted a field survey and building evaluation for a commercial building remodel of a two-story, mixed-use building.

Roblar Road Quarry, John Barella, Sonoma County, California. Performed cultural and paleontological survey, performed extended Phase I testing, and prepared cultural resources report for quarry project.

Adam Giacinto

HISTORIC AND CULTURAL RESOURCES

Adam Giacinto is an archaeologist with 15 years' experience preparing cultural resource reports, site records, and managing archaeological survey, evaluation, and data recovery-level investigations. His research interests include prehistoric hunter-gatherer cultures and contemporary conceptions of heritage. His current research focuses on the social, historical, archaeological, and political mechanisms surrounding heritage values. He has gained practical experience in archaeological and ethnographic field methods while conducting research in the Southwest, Mexico, and Eastern Europe.

Mr. Giacinto brings specialized experience in cultural resources information processing gained while working at the South Coastal Information Center. He has worked as part of a nonprofit collaboration in designing and managing a large-scale, preservation-oriented, standardized database and conducting site and impact predictive Geographic Information Systems (GIS) analysis of the cultural resources landscape surrounding ancient Lake Cahuilla. He provides experience in ethnographic and applied anthropological methods gained in urban and rural settings, both in the United States and internationally.

Relevant Project Experience

Park Boulevard Environmental Impact Report (EIR), City of Palo Alto, California.

As principal archaeological investigator, coordinated a Northwest Indian College (NWIC) records search, Native American Heritage Commission (NAHC) and Native American consultation, archaeological survey, and preparation of a technical report and EIR section. An appropriate mitigation strategy was developed and provided to the City of Palo Alto for this negative cultural inventory.

Vacaville Center Campus Project, Solano Community College District, City of Vacaville, California.

As principal archaeological investigator, coordinated a NWIC records search, NAHC and Native American communication, archaeological survey, and preparation of a technical report. Recommendations were framed in compliance with California Environmental Quality Act (CEQA) regulations and submitted to the lead agency.

Makani Power Wind Turbine Pilot Program, Google Inc., Alameda, California.

As principal investigator, coordinated a NWIC records search, NAHC and Native American consultation, archaeological survey, and preparation of a negative technical memo for this potential wind farm. The mitigation strategy did not require additional archaeological monitoring or other work based on the lack of archaeological sites, and the low potential for encountering unrecorded subsurface cultural resources. Recommendations were submitted as a categorical exemption to the reviewing agency.



Position with Dudek

Archaeologist

Length of time at Dudek

12

Professional Affiliations

Register of Professional Archaeologists

Society for California Archaeology

American Anthropological Association

Institute of Archaeomythology

American Anthropological Association

Education

San Diego State University
MA, Anthropology

Sonoma State University
BA, Anthropology/
Linguistics

Santa Rosa Junior College
AA, Anthropology

Role in the project

Cultural and Historic Resources

Yokohl Ranch Cultural Resources, The Yokohl Ranch Company LLC, Tulare, California. As co-principal investigator and field director, managed 15 archaeologists in conducting 1,900 acres of survey throughout the Yokohl Valley.

Hamilton Hospital Project, City of Novato, California. As principal investigator, managed tribal and archaeological fieldwork and methodological reporting relating to the extended Phase I inventory geoprobe drilling and shovel test pit excavation. Considerations included compliance under CEQA and local regulations.

Maidu Bike Path and Park Projects, City of Auburn, California. As principal investigator, managed the survey, archival searches, tribal correspondence, and reported management recommendations for a cultural resources inventory. Considerations included compliance under CEQA and Section 106 of the NHPA.

Steepollow Creek and Bear River Restoration, Nevada County, California. As principal investigator, assisted with management of field efforts and preparation of a technical report for a cultural inventory. Resources were evaluated for significance under CEQA, and Section 106 of the NHPA.

As Needed Planning and Environmental Contract, Recycled Wastewater Treatment Plant Secondary Process Upgrade Improvement Project, City of Auburn, California. As principal investigator, managed the survey, archival searches, tribal correspondence, and reported management recommendations for a cultural resources inventory. Considerations included compliance under CEQA and Section 106 of the NHPA.

Recycled Water Pipeline Project, City of Woodland, California. As principal investigator, managed the survey, archival searches, tribal correspondence, and reported management recommendations for a cultural resources inventory. Considerations included compliance under CEQA and Section 106 of the NHPA.

Hanson El Monte Pond Restoration, Lakeside's River Park Conservancy, San Diego, California. As principal investigator, managed the field efforts, reporting, and agency interface for a cultural inventory. Resources were evaluated for significance under county guidelines, CEQA, and Section 106 of the NHPA. Worked with the ACOE for submittal of documents to State Historic Preservation Office (SHPO).

Lake Cahuilla Management Plan, ASM PARC, Riverside County, California. As project archaeologist and lead analyst, led in the formation of a standardized database associated with ancient Lake Cahuilla. Performed GIS data integration and predictive analysis, data entry of site record information, and completed multi-day, multi-person record search for Riverside County.

South Palm Canyon West Fork Flood Emergency Work, Agua Caliente Band of Cahuilla Indians, Palm Springs, California. As principal investigator, worked with the Agua Caliente Band of Cahuilla Indians Tribal Historic Preservation Office to conduct archaeological monitoring on tribal lands of emergency repairs within Andreas Canyon National Register of Historic Places listed district. A monitoring report with a summary of findings and implemented mitigation activities, daily monitoring logs and photos, and confidential figures was provided to the tribe.

South Palm Canyon Improvements, Agua Caliente Band of Cahuilla Indians, Palm Springs, California. As principal investigator, worked with the Agua Caliente Band of Cahuilla Indians Tribal Historic Preservation Office to conduct archaeological monitoring on tribal lands of facility improvements within Andreas Canyon National Register of Historic Places listed district. A monitoring report with a summary of findings and implemented mitigation activities, daily monitoring logs and photos, and confidential figures was provided to the tribe.

Monte Kim, Ph.D.

CULTURAL AND HISTORIC RESOURCES

Monte Kim is a senior architectural historian and historic built environment resource specialist with over 20 years of professional experience in all phases of regulatory compliance under Section 106 and Section 110 of the National Historic Preservation Act (NHPA), Section 4(f) of the Department of Transportation Act, National Environmental Policy Act (NEPA), and California Environmental Quality Act (CEQA). He has experience in the inventory and evaluation of resources within the historic built environment, as well as the assessment of effects on historic properties and historical resources and has authored or co-authored nominations for the National Register of Historic Places (NRHP) and has overseen the documentation of historic properties in accordance with the standards required for the Historic American Building Survey (HABS), the Historic American Engineering Record (HAER), and the Historic American Landscape Survey (HALS). He has also developed and implemented resource-specific mitigation measures, treatment plans, protection plans, and interpretive plans for large, transportation-related projects, including the California High-Speed Rail Project. Additionally, he has experience consulting with State Historic Preservation Officers and developing programmatic agreements and memorandum of agreement documents for government agencies. Mr. Kim meets the Secretary of the Interior’s Professional Qualification Standards for history and architectural history.

Relevant Project Experience

Cultural Resources Technical Report, SDSU Fenton Bridge Project, San Diego, California (2023). Dudek prepared a cultural resources technical study for San Diego State University in support of an Environmental Impact Report (EIR) for the Fenway Parkway Bridge Project, which involved the construction of a new bridge across the San Diego River. The study included a review of records search material from the South Coastal Information Center, a summary of findings from an intensive pedestrian field survey, and a CEQA impacts assessment. The study concluded that because the segment of the San Diego River within the study area was a non-engineered, natural watercourse with embankments that were not components of a formal levee system, the proposed bridge would have no impact on historical resources under CEQA. Mr. Kim authored portions of the CEQA impact analysis for this project.

Bradley Road Bridge Project, Riverside County, California. Dudek assisted the City of Menifee with preparing the environmental analysis for this project for compliance with CEQA, NEPA, and Section 106 of the NHPA. The proposed project involves the replacement of a low-flow crossing over Salt Creek along Bradley Road in Menifee. Because construction of the new bridge involves federal funding, the California Department of Transportation (Caltrans) District 8 Local Assistance office is the federal lead agency for review and approval of the project.



Position with Dudek

Architectural Historian

Length of time at Dudek

20

Professional Affiliations

California Preservation Foundation

Vernacular Architecture Forum

Transportation Research Board

Education

University of California, Santa Barbara Ph.D., History

California State University, Sacramento MA, Public History

University of California, Santa Cruz BA, History

Role in the project

Cultural and Historic Resources

Dudek cultural resources staff reviewed records search material from the Eastern Information Center, conducted an intensive pedestrian field survey, and evaluated a segment of Bradley Road within the delineated area of potential effects (APE). The evaluation concluded that the roadway segment is not eligible for the NRHP or the CRHR. Mr. Kim provided a senior level review of the Bradley Road evaluation.

Previous Project Experience

California High-Speed Rail Project Environmental Impact Report/Environmental Impact Statement (EIR/EIS).

Mr. Kim served as a lead planner for the California High-Speed Rail Authority and was responsible for reviewing the cultural resources, parks and recreation, and Section 4(f) chapters for the EIR/EIS prepared for six of the eight regional sections of the California High-Speed Rail Project. Additionally, he reviewed the supporting cultural resources technical reports (inventory, evaluation, and Section 106 finding of effect reports), built environment treatment plans. He also contributed to the drafting of four memorandum of agreement documents between the California High-Speed Rail Authority, California State Historic Preservation Officer, and the Surface Transportation Board, provided technical guidance to the Authority's regional consultants, and engaged with the State Historic Preservation Officer to obtain concurrences under Section 106 and Section 4(f).

Historical Resources Evaluation Report for the I Street Bridge Replacement Project, City of Sacramento, Sacramento County, and City of West Sacramento, Yolo County, California. This report was prepared to assist the City of Sacramento and the City of West Sacramento with the environmental analysis for a project that involved the replacement of the historic I Street Bridge with a new bridge consisting of a movable center span across the Sacramento River and two, fixed-span approach structures. The project was subject to state and federal review requirements because of the use of federal Highway Bridge Program funds from the Federal Highway Administration (FHWA). Accordingly, the technical report was prepared in compliance with CEQA, NEPA, and Section 106. The report evaluated a total of 17 historic-era built resources, including the NRHP listed I Street Bridge. Mr. Kim conducted an intensive field survey, evaluated properties under NRHP and CRHR listing criteria, and prepared the historical resources evaluation report.

Black Point Bridge Automation Project Finding of No Adverse Effect with Standard Conditions & Secretary of the Interior's Standards for the Treatment of Historic Properties Report, Marin and Sonoma Counties, California. This report analyzed the effects of an automation project to supplement the existing mechanical and electrical systems of the Black Point Bridge swing spans. The Black Point Bridge is a Pratt swing-truss railroad bridge that spans the Petaluma River at Black Point, just east of the city of Novato in Marin County. The bridge was determined eligible for listing in the NRHP under Criteria A and C in 2005. The Sonoma Marin Area Rail Transit (SMART) District is responsible for maintaining the bridge and requested FHWA funds to complete the project. Caltrans District 4 Office of Local Assistance served as the federal lead agency for review and approval of the project. Mr. Kim evaluated the effects of the automation project on the Black Point Bridge by applying the *criteria of adverse effect* (36 CFR § 800.5[a][1]-[2]) and concluded that because the undertaking would be designed and implemented in accordance with the *Secretary of the Interior's [Rehabilitation] Standards for the Treatment of Historic Properties*, the automation project would have no adverse effect on the bridge.

Fallin E. Steffen, MPS

CULTURAL AND HISTORIC RESOURCES

Fallin Steffen is an Architectural Historian with 8 years' experience in historic preservation, architectural conservation, and cultural resource management in the Monterey Bay Area and Northern California. Ms. Steffen's professional experience encompasses a variety of projects for local agencies, private developers, and homeowners in both highly urbanized and rural areas, including reconnaissance- and intensive-level surveys, preparation of resource-appropriate and city-wide historic contexts, and historical significance evaluations in consideration of the National Register of Historic Places (NRHP), California Register of Historic Resources (CRHR), and local designation criteria. Additionally, Ms. Steffen was appointed as a Commissioner to the Santa Cruz City Historic Preservation Commission assisting Santa Cruz City Staff with design review and conformance with the Secretary of the Interior Standards for proposed residential, commercial, and municipal projects involving historic properties. Ms. Steffen meets the Secretary of the Interior's Professional Qualification Standards for Architectural History. She is experienced with interdisciplinary projects spanning private and public development, transportation, and water infrastructure, and maintains experience forming educational sessions about the identification of and best practices for the preservation of historic resources.

Relevant Project Experience

Vista Woods Apartment Project, CEQA Compliance and HUD Permitting, Pinole, California. Served as architectural historian and co-authored the Built Environment Resources Inventory and Evaluation Report for the Vista Woods Apartment Project. The purpose of the project was to replace existing buildings on a development site comprising three parcels located in the City of Pinole, California with a new 4-story, 179-unit apartment complex providing affordable housing to seniors. As the project includes funding from the Department of Housing and Urban Development (HUD), the City of Pinole requested the document comply with Section 106 of the NHPA of 1966 and CEQA. Ms. Steffen authored the historical significance evaluation for 1106 San Pablo Avenue and its associated components. The significance evaluation determined that the property does not appear eligible for designation under NRHP, CRHR and local designation criteria. (2021)

The Delivery Station Building Project, Cultural Resources Inventory and Evaluation Report, San José, California. Served as architectural historian for the project, conducted fieldwork and co-authored the Cultural Resources Inventory and Evaluation Report. Dudek was retained by Kimley-Horn to complete a Historic Resources Evaluation for an industrial complex located in the City of San José, California. The purpose of the project is the replacement of the existing industrial complex with an approximate 94,325 square feet new warehouse building and site related improvements. The report entailed archival building development research in local repositories and the composition of an appropriate historic context focused on the history of San José, exterior survey fieldwork of the resources, and historical significance evaluations for the resources in consideration of NRHP, CRHP, and local designation requirements. As a result of the significance evaluation, the subject property does not appear eligible for listing in the NRHP, CRHR, or local inventory, due to a lack of significant architectural merit. (2021)



Position with Dudek

Architectural Historian

Length of time at Dudek

6

Education

*Tulane University,
New Orleans, LA
Masters of Preservation
Studies*

*University of California,
Santa Cruz, CA
B.A. History of Art & Visual
Culture*

Role in the project

*Cultural and Historic
Resources*

County of Santa Clara Solar Panel Installation Project, Cultural Resources Assessment, Santa Clara County, California. Served as architectural historian and co-author of the historic resource evaluations. The purpose of the project is to install Solar Panels at 14 County-owned sites to further expand on the County's renewable energy portfolio and reduce the County's emissions from operations. As a result of Dudek's extensive archival research, field survey, assessment of potential project impacts, and property significance evaluations, the cultural resources assessment identified no historical resources were identified within the Project sites. Nor were any adjacent resources identified that could be indirectly impacted by proposed project activities. Therefore, the Projects were found to result in no impact to historical resources under CEQA. (2021)

123 Independence Drive Mixed-Use Project, Department of Community Development, City of Menlo Park, California. Served as architectural historian and co-author of the Historical Resources Evaluation Report. The Sobrato Organization retained Dudek to prepare a cultural resources study in support of the 123 Independence Drive Mixed-Use Project located in the City of Menlo Park. The study included a pedestrian survey of the subject properties for buildings and structures over 45 years of age; building development and archival research for the identified properties located within the project site; recordation and evaluation of cultural resources identified within the study area for the NRHP, CRHR, and local eligibility criteria and integrity requirements; and an assessment of potential impacts to historical resources in conformance with the California Environmental Quality Act (CEQA) and all applicable local municipal code and planning documents. Ms. Steffen's efforts included exterior survey fieldwork of the resources and archival building development research in local repositories. (2020)

Bidwell and El Rancho Verde Parks Master Plan, Cities of Hayward and Union City, California. Served as architectural historian and co-author of the Cultural Resources Study. Dudek was retained by Carducci Associates to prepare a cultural resources study in support of the Bidwell and El Rancho Verde Parks Master Plan project proposed by the Hayward Area Recreation Park Department and located in Alameda County. The study included a California Historical Resources Information System (CHRIS) records search of the project sites and a 0.5-mile radius buffer; a pedestrian survey of the subject properties for cultural resources; building development and archival research; recordation and evaluation of cultural resources identified within one property in the study area; and an assessment of potential impacts to historical resources in conformance with CEQA and all applicable local municipal code and planning documents. The former Bidwell School property and all associated buildings and structures were found not eligible under all NRHP, CRHR, and local designation criteria. The cultural resources study and efforts included exterior survey fieldwork of resources, archival building development research in local repositories, composition of appropriate historic context focused on the development of Post-war residential communities in the Bay Area, and historical significance evaluations for the resources in consideration of NRHP, CRHP, and local designation requirements. (2020)

Mitigation Implementation for 3093 Broadway (Historic American Building Survey [HABS] and Interpretative Signage), The Martin Group, City of Oakland, Alameda County, California. Dudek was retained by The Martin Group to prepare documentation required under CEQA for the 3093 Broadway Project, which resulted a significant impact of a CEQA historical resource. Preparation of local level HABS documentation of the Connell Motor Company Building in Oakland, California and interpretative signage were included as mitigation requirements outlined in the Environmental Impact Report (EIR) for this project. In coordination with the City of Oakland, Dudek assisted The Martin Group in implementation of the required mitigation. Dudek prepared the HABS documentation and created the interpretive signage for the building that documented the history of the Connell Motor Company building following its demolition in 2016 and integration of the showroom façade into the new complex located at the site completed in 2019. As architectural historian, Ms. Steffen's contributions to the project included intensive research related to the Connell Motor Company building, the written HABS report, and the compilation of all known existing physical evidence related to the building. (2020)

Eric Schniewind

GEOLOGY/SOILS, HAZARDS/HAZARDOUS MATERIALS, AND HYDROLOGY/WATER QUALITY

Eric Schniewind has 28 years' experience as a geologist, hydrogeologist, hydrologist, and hazardous materials specialist in environmental consulting, with the last 18 years focusing on California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) environmental review. His technical background includes geotechnical engineering, soil and groundwater contamination investigations, environmental remediation planning and implementation, and Phase I environmental site assessments. In addition, Eric has been involved in fault trace identification and landslide hazard studies. His general responsibilities have included providing geological, geotechnical, hydrogeological, and hazardous materials technical support for CEQA/NEPA documents such as Environmental Impact Reports (EIRs), Environmental Impact Statements (EISs), and Environmental Assessments (EAs).

Mr. Schniewind has contributed CEQA analysis for a wide range of projects located throughout California, including water infrastructure, wastewater treatment plants, groundwater water supply programs, commercial developments, large-scale residential developments, shoreline projects involving sea-level rise issues, solar and wind energy developments, petroleum refineries, electric grid transmission projects, sports and entertainment arenas, General Plan updates, high-rise developments, military base redevelopments, port redevelopments, transportation improvements, hospital expansions and redevelopments, airports, rocket engine testing, research and development facilities involving radioactive materials, large scale hazardous materials remediation projects, and landfill expansions and redevelopments (also including joint CEQA/NEPA projects). His NEPA experience has included projects for or including the California Coastal Commission, U.S. Navy, U.S. Department of Energy, U.S. Bureau of Reclamation, U.S. Department of Housing and Urban Development, and U.S. Veterans Affairs throughout the western United States.



Position with Dudek

Environmental Geologist

Length of time at Dudek

3

Education

*University of California,
Santa Barbara
BA, Geological Sciences*

Role in the project

*Geology/Soils,
Hazards/Hazardous
Materials, and
Hydrology/Water Quality*

Relevant Project Experience

Michelson and Los Alisos Water Recycling Plants Biosolids Handling and Energy Recovery Facility Project, Irvine Ranch Water District, Irvine, California. Evaluated the potential impacts related to geology and hydrology resources for the district's implementation of solids handling facilities at the Michelson Water Recycling Plant rather than continuing transportation of sludge to Orange County Sanitation District. The proposed project included a complete biosolids process, biogas management, and energy generation system for the Michelson and Los Alisos Water Recycling Plants.

North Bay Water Reuse Phase 2 Feasibility EIR, North Bay Water Reuse Authority, Counties of Napa, Sonoma, and Marin, California. Completed the EIR sections for groundwater resources and water quality, which evaluated the potential impacts related to the expansion of treatment facilities across the various facilities discharging to San Pablo Bay. Issues included recharge of tertiary treated wastewater effluent and the potential impacts on water levels and water quality.

Graham Hill Water Treatment Plant Facility Improvements Project EIR, Santa Cruz, California. Analyzed the potential hydrologic impacts of the proposed improvements at the existing water treatment facility as well as preparation of the utilities and service systems section of the EIR. The proposed improvements would provide an optimization of water treatment capabilities in order to meet future water treatment requirements and increase the ability to treat winter diversions from the San Lorenzo River. In addition the project includes upgrading utilities including stormwater and sewer lines.

Ballona Wetlands Restoration EIR/EIS, California Coastal Conservancy/California Department of Fish and Wildlife/U.S. Army Corps of Engineers, Los Angeles, California. Analyzed the potential impacts associated with the removal of the concrete-lined creek channel for the purposes of ecosystem restoration, flood and stormwater management, public access improvements, infrastructure and utility modifications (including abandonment and relocation of Southern California Gas Company monitoring wells and pipelines), a full-scale implementation and construction program, a state-of-the-art monitoring and adaptive management program, and ongoing operations and maintenance activities. Project team included the California Coastal Conservancy, the California Department of Fish and Wildlife, the U.S. Army Corps of Engineers, the Annenberg Foundation, the Santa Monica Bay Conservancy, the Southern California Gas Company, the Los Angeles County Flood Control District, and a wide range of consulting team members.

Dairy Digester and Co-Digester Facilities' Waste Discharge Requirements Program EIR, Central Valley Regional Water Quality Control Board, California. Analyzed the potential water quality impacts to surface waters and groundwater from land application of post-processing solid digestate and liquid effluent throughout the Central Valley region where water quality impairments already exist. Among the potential pollutant loadings considered were nitrates, salts, heavy metals, pathogens, antibiotics, and growth hormones. This Program EIR was prepared to evaluate the environmental effects from the development of dairy manure digester and co-digestion facilities within the Central Valley region.

Perris Reservoir Seepage Recovery Project EIR, California Department of Water Resources, Perris, California. Provided review and extraction of pertinent groundwater modeling data for the analysis of potential impacts related to changes in water levels and potential changes to water quality from recovery of groundwater that has been historically seeping through the dam. The project involved evaluating the resulting effects on the groundwater subbasin and flow patterns with the changes to groundwater levels that would occur from the proposed recovery.

Kern River Water Allocation Plan EIR, Kern County, California. Evaluated potential impacts related to the increased use of Kern River surface water rights which would result in decreased access to Kern River water supply by subordinate water rights holders. Impact analysis was supported by groundwater modeling of Kern Fan region and historical practices of the region's water districts. Changes to practices by the different water districts have implications on water levels, groundwater flow direction, water quality, and plume migration.

Lamorinda Water Treatment and Transmission Improvements Program EIR, East Bay Municipal Utility District, Contra Costa and Alameda Counties, California. Conducted analysis of geological hazard review of 19 different project locations for systemwide improvement plan located throughout Contra Costa and Alameda Counties. Incorporated subcontractor's work into the combined programmatic and project level analysis for a large scale EIR, including analysis of improvements in areas of known seismic and landslide hazards.

West Kern Water District EIR, Kern County, California. Provided technical analysis for the groundwater section for a project that would provide additional groundwater recovery capabilities combined with aquifer storage and recovery (ASR) operations. Technical issues involved included expansion of groundwater pumping on aquifer that is currently in overdraft and recovering previously banked groundwater. Other issues involved characterizing regional water quality impairments.

Perry Russell, PG, CEG

GEOLOGY/SOILS, HAZARDS/HAZARDOUS MATERIALS, AND HYDROLOGY/WATER QUALITY

Perry Russell is a geologist with 36 years' experience, including more than two decades specializing in completing geology/soils, hydrology/water quality, hazards/hazardous materials, and utilities sections for California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents. Mr. Russell has also completed erosion control studies, geologic hazards surveys, Phase I/Phase II Environmental Site Assessments (ESAs), and remediation projects.

Mr. Russell has completed CEQA sections for a wide range of projects located throughout California, including college campus master plans, commercial developments, large-scale residential developments, water supply projects, on- and off-shore telecommunication cable projects, wind farm projects, oil field development projects, a nuclear power plant project, and large-scale port redevelopment projects (including joint CEQA/NEPA projects). His NEPA experience has included projects for the U.S. Navy, U.S. Marines Corps, U.S. Air Force, U.S. Army, U.S. Department of Energy, U.S. Bureau of Reclamation, and Bureau of Indian Affairs, on sites located throughout the western United States. These projects included water supply, construction, land withdrawal, and landfill projects, as well as a large-scale nuclear waste treatment project.

Mr. Russell began his career as an engineering geologist, working for several years completing geologic/seismic reports, landslide investigations, fault studies, and geologic monitoring at large grading/construction sites. His experience also includes 6 years working on projects involving soil and groundwater contamination.

Relevant Project Experience

Joint Outfall "F" Unit Trunk Sewer Rehabilitation Project Initial Study/Mitigated Negative Declaration (IS/MND), Los Angeles County Sanitation District, California. Provided senior technical review of geology/soils and hydrology/water quality sections of the IS/MND. The project involved the rehabilitation of a portion of the 66-inch joint outfall sewer pipeline on the west and east sides of the San Gabriel River.

City Trunk Line South Project IS/MND, Los Angeles County Department of Public Works, California. Completed the geology/soils and hydrology/water quality sections of the IS/MND for the project, which included the replacement of an existing large-diameter potable water trunk line, installation of a flow control station, structural relining of portions of the existing pipeline, and interior improvements within the existing Coldwater Canyon Pump Station.



Position with Dudek

Environmental Geologist

Length of time at Dudek

7

Certifications

Professional Geologist (PG), CA No. 5777

Certified Engineering Geologist (CEG), CA No. 1837

Education

California State University, Northridge

MS, Geological Sciences

University of California, Santa Barbara

BA, Geological Sciences

Role in the project

Geology/Soils, Hazards/Hazardous Materials, and Hydrology/Water Quality

Goleta Water Resource Recovery Facility Digester and Combined Heat and Power Upgrade Environmental Impact Report (EIR), Goleta Sanitary District, Goleta, California. Evaluated the geology/soils, mineral resources, and hydrology/water quality impacts associated with wastewater treatment plant upgrades.

San Miguel Wastewater Treatment Plant Upgrade/Expansion IS/MND, San Miguel Community Services District, San Miguel, California. Evaluated the geology/soils and hydrology/water quality impacts associated with wastewater treatment plant upgrades.

Industrial Wastewater Conveyance and Reclamation Facility EIR, City of Gonzales, California. Evaluated potential soils/geology and hydrology/water quality impacts associated with construction of an industrial wastewater treatment plant and associated conveyance pipeline.

Sewer Upgrades Environmental Assessment (EA), Marine Corps Air Station Miramar, San Diego County, California. Evaluated potential impacts associated with excavations within an installation restoration site and potential construction-induced siltation of Rose Canyon Creek and downstream marine waters.

Compton Creek Bridges IS/MND, Los Angeles County Department of Public Works, Compton, California. Completed the geology/soils section of the IS/MND for the Compton Boulevard Bridge Over Compton Creek Project, which involves replacing a two-span, steel girder bridge in the City of Compton, in southern Los Angeles County, with a new two-span, precast concrete bridge. The project was being proposed by the County of Los Angeles Department of Public Works in cooperation with the California Department of Transportation.

Old Road Over Castaic Creek Project IS/MND, Los Angeles County Department of Public Works, Santa Clarita, California. Completed the geology/soils and hydrology/water quality sections of the IS/MND for the Old Road Over Castaic Creek Project, which involves seismic retrofitting the Old Road Bridge to bring it into conformance with current seismic standards, specifically the California Department of Transportation Bridge Design Specifications and Seismic Design Criteria.

Laguna Creek Diversion Retrofit EIR, City of Santa Cruz, California. Evaluated potential geology/soils impacts associated with the alteration of an existing dam, an intake structure, a diversion flume, a transmission pipeline, a control building, access roads, and a downstream plunge pool.

Newell Creek Dam Inlet/Outlet Replacement Project EIR, City of Santa Cruz, California. Evaluated potential impacts associated with the replacement of the existing aging inlet/outlet works at the Newell Creek Dam, which impounds Loch Lomond Reservoir. Evaluated geology/soils, hydrology/water quality, and hazardous materials sections of the EIR.

Municipal Waterways Maintenance Plan EIR, City of San Diego, California. Evaluated hydrology/water quality impacts associated with maintenance and repair activities of stormwater facilities throughout the city. Water quality impacts included potential increased pollutant discharge to surface waters, increased sediment levels in stormwater runoff, incidental spills and leaks of petroleum products from equipment, and application of herbicides.

Pump Station and Pipeline EA on Marine Corps Base Camp Pendleton, San Diego County, California. Evaluated impacts associated with potential frac-out of drilling fluids under the Santa Margarita River and an installation restoration soil contamination site beneath the pipeline right-of-way.

Tyler Friesen

GIS

Tyler Friesen is a geographic information system (GIS) analyst with 12 years' experience in geospatial technologies in both the private and public sectors. Mr. Friesen has been responsible for spatial modeling/analysis, data development, and map production, and has experience in database development and management, asset management, LIDAR analysis, spatial analysis, spatial model building, network analysis, raster analysis and online Web applications. He has assisted in the preparation of habitat conservation plans (HCPs), biological resources technical reports, and environmental impact reports (EIRs).

Mr. Friesen has also provided GIS support for numerous biological resources reports, wetlands permitting and jurisdictional delineation reports, fire protection plans, and focused species surveys throughout California. He is trained in a wide range of industry-standard applications, including ArcGIS and ArcPro Suites, Trimble Pathfinder and TerraSync, ArcPad, and Microsoft Office Suite, as well as such hardware as Trimble GeoXH and Trimble Juno ST.

Relevant Project Experience

South Sacramento HCP EIR, County of Sacramento, California. Served as Principal GIS analyst in support of the 374,000-acre conservation plan. Tasks have included data management, analysis/modeling, LIDAR analysis and map production. Responsible for creating species models run in an ArcSDE 10.1 environment. Additional supporting studies include an Aquatic Resource Plan and Watershed Management Plan. Project flow has been dynamic, requiring map production supporting day-to-day client interaction and timely decision making. Project is in progress.

Lake Mathews Reserve Multiple Species HCP/Natural Community Conservation Plan, Metropolitan Water District of Southern California (MWDSC), Riverside County, California. Served as primary GIS analyst for 8,800 acre Resource Management Plan (RMP) and Habitat Management Plan (HMP) around Lake Mathews, operated by MWDSC. Responsibilities included modeling suitable habitats, analysis, database creation and management, and figure creation.

University of California Santa Cruz Habitat Conservation Plan, Santa Cruz County, California. Principal GIS Specialist in charge of overseeing the GIS team supporting a ~2,060 acre habitat conservation plan for the University of California, Santa Cruz campus. Responsibilities include overseeing the conversion of data from multiple sources including tabular, CAD, and GPS data into GIS format, database management, the QA/QC of student collected GIS data, figure creation, and modeling of covered species habitats.

Cross Valley Habitat Conservation Plan, Tulare County, California. Provided GIS support for a HCP covering activities of a 12 mile long transmission line in the Central Valley connecting two major transmission corridors for



Position with Dudek

GIS Analyst

Length of time at Dudek

13

Certifications

GPS for GIS

LIDAR in ArcGIS 10.1

Professional Affiliations

URISA International

Education

San Diego State University

BA, Geography, (Environment and Society minor)

Role in the project

GIS

greater electrical service reliability. Tasks included data aggregation, database management, impact analysis, and figure production in support of the HCP document.

San Pasqual River Weed Management Plan, City of San Diego, California. Provided GIS support for weed mapping, data creation, project database management, and data quality assurance/quality control for roughly 3,000 acres of the San Pasqual River Valley.

Middle Martis Creek and Elizabethtown Wetland Delineation, Auerbach Engineering Corporation, Placer County, California. Served as principal GIS analyst tasked with the creation of project databases including habitat mapping and modelin, data acquisition, coordinating data distribution and collection between consultant teams, analysis, and map production in support of the wetland delineation.

California High Speed Rail CP 2–3, Dragados-Flatiron Joint Venture, Fresno, Kings, and Tulare County, California. Provided GIS support for all aspects of environmental permitting and compliance for 65 miles of the California High Speed Rail preferred alignment. Tasks included habitat verification and remapping, special-status species habitat modeling for the Biological Opinion (BO) and Incidental Take Permit (ITP), and environmental reexaminations of project impacts. Worked in a fast pace environment consolidating data from multiple sources and disseminating pertinent information to multiple stakeholders and project partners.

As-Needed Environmental Services, City of Rohnert Park, California. Served as principal GIS specialist responsible for overseeing the project GIS team supporting multiple environmental documents. Managed multiple project databases including the incorporation of computer-aided drafting and design (CADD) data and KMZ files into the project GIS databases. Oversaw the creation figures for a wide range of environmental documents, survey reports, and resource inventories. Provided quality assurance/quality control of all graphics production, database creation and manamgmt, as well as interfacing with multiple disiplines and outside consultants.

California Forest Resiliency Program: Lassen, Tuolumne, Contra Costa, San Joaquin and surrounding Counties, California. Provided GIS support for all aspects of environmental permitting and compliance for 65 miles of the California High Speed Rail preferred alignment. Tasks included habitat verification and remapping, special-status species habitat modeling for the Biological Opinion (BO) and Incidental Take Permit (ITP), and environmental reexaminations of project impacts. Worked in a fast-paced environment consolidating data from multiple sources and disseminating pertinent information to multiple stakeholders and project partners.

Master Plan EIR, California State University, Monterey Bay. Served as the principal GIS specialist overseeing the project GIS team responsible for production of EIR graphics and analysis in support of the EIR. Provided quality assurance/quality control of all graphics production, database creation and manamgmt, as well as interfacing with multiple disiplines and outside consultants.

Relevant Previous Experience

Multiple Species Conservation Program (MSCP) and GIS Management Aide, City of San Diego, California. Provided GIS and biological monitoring support for the management of the City of San Diego Open Space Parks and Preserves. Support included map production, database management, habitat surveying and assessment, development of data collection best practices, mobile GIS implementation for brush management, and technical research. Supported the development and implementation of natural resource management plans, habitat restoration plans, and open space recreation plans by creating and reviewing maps and plans for conformance with the City of San Diego's MSCP, as well as reviewing legal requirements to assist with environmental compliance. Conducted surveys and environmental monitoring of rare and endangered species under the direction of MSCP biologists.

Connor Burke

NOISE

Connor Burke is an environmental analyst with 9 years’ professional experience specializing in noise studies, stormwater, wildlife surveys, and the California Environmental Quality Act (CEQA). Mr. Burke has hands-on experience in environmental field research, including extensive water sampling, wildlife surveys, and conservational outreach. He has used GIS for field research and SPSS and Excel for statistical analysis. Mr. Burke also has a strong knowledge of regulations relating to water resources and the environment including the California Coastal Act (CCA), the Resource Conservation and Recovery Act (RCRA), the County Water Authority (CWA), and the federal Clean Air Act (CAA).

Experience

Education

Cypress College, Campus Master Plan Environmental Impact Report (EIR), Cypress, California. Responsible for the completion of the noise analysis and reporting for the project. Supervised the noise measurements, modeling, analysis, and results reporting, which involved analysis of potential effects from traffic, on-campus facilities, and operations and construction noise.

Energy

Joshua Tree Solar, NextEra Energy Resources, San Bernardino County, California. Conducted the noise analysis for a proposed 60-megawatt solar energy facility with associated on-site substation, inverters, fencing, roads, and supervisory control and data acquisition (SCADA) system.

Ord Mountain Solar Energy Project, San Bernardino County, California. Conducted the noise analysis for a proposed 60-megawatt solar energy facility with associated on-site substation, inverters, fencing, roads, and supervisory control and data acquisition (SCADA) system.

Resource Management

Fishery Management Stock Assessment, South Caicos, Turks and Caicos Islands. Served as field researcher. Conducted a stock assessment of the queen conch (*Lobatus gigas*) around several islands in Turks and Caicos to determine appropriate management strategies for the overfished species. Data was collected through the Turks and Caicos Department of Environment and Maritime Affairs. Responsibilities included utilizing SCUBA to run 100 meter belt transects at over 100 different sampling sites, generating several GIS marine maps showing density and abundance of queen conch, and working with local stakeholders to determine new management strategies.

Position with Dudek

Environmental Acoustician

Length of time at Dudek

8

Certifications

Certified Environmental Specialist

PADI Divemaster, No. 344699

Emergency First Responder

British Sub-Aqua Club (BSAC) Boat Handling

Professional Affiliations

Professional Association of Diving Instructors (PADI)

Education

University of San Diego BA, Environmental Studies, 2014

Role in the project

Noise

Invasive Species Study, South Caicos, Turks and Caicos Islands. Serving as field researcher, utilized SCUBA and distance sampling to research the distribution of the invasive lionfish (*Pterois volitans*) around South Caicos. The project focused on lionfish removal and population size in order to reduce their impact on local reef fish communities. At depths of up to 40 meters, lionfish were observed and captured from the Admiral Cockburn Land and Sea National Park (ACLSNP). This protected area encompasses part of the “wall” where the Caicos Bank drops off hundreds of meters and thus is an ideal habitat for lionfish. Responsible for leading divers safely around the reefs while maintaining accurate data collection.

Jonathan Leech, AICP, INCE, PG

NOISE

Jonathan Leech is a senior project manager and environmental specialist with 39 years’ environmental planning experience, including environmental research, hazardous materials and environmental impact assessment, condition compliance and mitigation monitoring, and land use analysis. Mr. Leech has contributed to more than 200 California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) environmental documents, including environmental assessments (EAs), environmental impact reports (EIRs), mitigated negative declarations (MNDs), and specific plans, as well as policy documents for numerous local agencies within the State of California. He has also authored mitigation monitoring and reporting programs (MMRPs) and environmental quality assurance plans (EQAPs) to ensure adherence to required conditions during project implementation, and has served as project manager and/or on-site environmental coordinator for the implementation of such plans.

Mr. Leech also has 20 years’ focused experience in noise assessments, including exterior and interior noise exposure studies for single-family homes, and large-scale evaluations of proposed subdivisions and specific plan projects for inclusion in EIRs or negative declarations (NDs). He has also completed noise studies for transportation facilities, performed noise evaluations of commercial and industrial sources, prepared construction-related noise evaluations, and provided noise monitoring during construction for compliance with project conditions and noise ordinance restrictions.

Commerce Modelo Mixed-Use Project, City of Commerce, California

Prepared the noise analysis to support the EIR. The project involves a 17.37-acre project site in the City of Commerce. The project would demolish the existing Veterans Memorial Park (which is currently in an advanced state of disrepair) and an adjacent vacant parcel and reconstruct the project site to accommodate a mixed-use development of 850 residential units, 165,000 square feet of commercial uses, a 77,050-square-foot community center, a 5,000-square-foot museum, and approximately 4.75 acres of parks and open space.

Chandler Grove Master Plan Project, City of Tulare, California. Prepared a noise technical report to support the EIR. The proposed project consists of a mixed-use development on approximately 210 acres on active agricultural land. The project site is currently located within unincorporated Tulare County but is planned to be annexed to the City of Tulare as part of the project. The proposed project includes approximately 1,197 total units of low-, medium-, and high-density housing; a



Position with Dudek

Practice Director

Length of time at Dudek

21

Certifications

American Institute of Certified Planners (AICP)

Professional Geologist (PG), CA

Professional Affiliations

American Planning Association

Association of Environmental Professionals

Institute of Noise Control Engineers (INCE)

Education

University of California, Santa Barbara
BA, Environmental Studies/Geology, 1984

Pennsylvania State University

Coursework in Graduate Acoustics Program, 2012

Role in the project

Noise

neighborhood commercial center; a community center; a kindergarten through 8th grade public school; and a central park.

Creative Offices and Gateway Park Specific Plan Project, Beverly Hills Land Company, LLC, Beverly Hills, California.

Prepared the noise and vibration section of the EIR. The Creative Offices Site consists primarily of a 2.11-acre linear strip of private property bound by North Santa Monica Boulevard to the northwest, Beverly Boulevard to the northeast, and Civic Center Drive to the southeast and southwest. The Gateway Park Site consists primarily of two private properties known as “Parcel 13” and “the Island” and a narrow buffer of public right-of-way. The Creative Office and Gateway Park Specific Plan would allow 11 office buildings within the southwestern portion of the project site, and a passive park consisting of landscaping, walkways, and water features in the northeastern portion of the project site. The 11 office buildings would encompass a total of 128,282 gross square feet.

The Creek at Dominguez Hills, Carson, California.

Prepared noise technical report and completed the noise and vibration section of the EIR. The proposed project includes a new sports, recreation, fitness, and wellness destination on a portion of the approximately 171-acre Victoria Golf Course, located at 340 Martin Luther King Jr. Street (formerly E. 192nd Street) in the City of Carson. The project site would be developed with approximately 532,500 square feet of buildings, including a multi-use indoor sports complex, youth learning experience facility, indoor skydiving facility, marketplace, clubhouse, recreation and dining center, restaurants (alternatively, a specialty grocery store may be developed in place of some of the restaurant uses), and a sports wellness center. The proposed project would also provide ziplining facilities, a community park, open space areas, a putting green, and a jogging path.

Carol Kimmelman Sports and Academic Campus Project, Carson, California.

Prepared noise technical report to support the EIR. The proposed project involves the redevelopment of an existing golf facility with new recreation programs that would offer sports and academic enrichment services to the public. A Learning Center would be provided with an approximately 25,000-square-foot building and two adjacent basketball courts. A Tennis Center would be located in the northern approximately 289 acres of the overall project site. Access to the Tennis Center would be through the approximately 23,000-square-foot Welcome Center. Within the Tennis Competition Venue would be 12 hard courts and approximately 1,200 spectator viewing seats. The Soccer Center would be located on the southern approximately 58 acres of the project site, consisting of two multi-use fields, which could be utilized for rugby, soccer, and other field sports, and eight full-sized soccer fields.

West Campus Upper Plateau Project, March Joint Powers Authority, Riverside, California.

Provided third-party technical peer review of the project noise and vibration study and prepared the noise and vibration section of the project EIR. The approximately 815-acre project site is proposed to include a business park (65 acres), industrial (143 acres), mixed use (42 acres), public facilities (3 acres), parks and recreation (78 acres), and streets (38 acres), with the balance of approximately 446 acres included in a permanent open space conservation easement. The noise and vibration analysis addressed construction noise and vibration, traffic noise increases from development of the new land uses, and operational noise (including parking lots, outdoor activities, and mechanical equipment) levels at existing noise-sensitive land uses in the project vicinity.

Ocean Meadows Residences, Ocean Meadows Residential LLC, Goleta, California.

Prepared a noise and vibration technical study for this residential subdivision proposed on a portion of the former Ocean Meadows golf course. Assessment included construction-related noise, on-site mechanical equipment noise, and off-site traffic noise. The study concluded the need for noise mitigation, including minimum setback distances for heating, ventilation, and air conditioning (HVAC) units from the adjacent property line for some lots, and inclusion of a noise barrier for some lots.

Trails at Lyon Canyon, New Urban West Developments, Santa Clarita Valley, Los Angeles County, California.

Prepared a noise technical report in support of the noise section of the project EIR. The project site, which totals approximately 233.5 acres, is located in unincorporated Los Angeles County, in the northern foothills of the Santa Susana Mountains at the western perimeter of the Santa Clarita Valley. The project includes the development of 516 dwelling units with a mix of attached and detached dwelling units and affordable senior housing within approximately 40 acres, a recreational center within a 1.2-acre lot, a future fire station within a 1.43-acre lot, and approximately 171 acres of natural and improved open space. Project infrastructure would include internal roadways, trails and a new trailhead, a new water tank, and three Los Angeles County Flood Control District lots with debris and desilting basins.

Montecito Ranch Estates Lots 2 and 3, Fremont Investment and Loan, Summerland, California. Prepared environmental noise evaluations for two separate proposed new residences in a large-lot subdivision with exposure to traffic noise from U.S. Highway (US) 101. Evaluation addresses exterior and interior noise levels from future traffic levels, employing the FHWA TNM 2.5 for the analysis. Exterior noise exposure and interior noise exposure were calculated and compared to adopted CEQA significance thresholds for Santa Barbara County.

Crown Castle Cellular Equipment Installations, HP Communications Inc., Santa Barbara, California. Prepared a noise study for two separate cellular antennae installations in residential land use zones in Santa Barbara. Analysis included measurement of equipment operation noise at adjacent residential property lines, calculation of the day/night average noise level (Ldn), and comparison of noise level to noise ordinance allowances.

Splash-N-Dash Carwash, Saturn of Santa Maria, Orcutt, California. Prepared noise study for carwash operations in a commercial zone bordered by residential land use zones in Orcutt (Santa Barbara County). Analysis included measurement of equipment operation noise at adjacent residential property lines, calculation of the community average noise level, and comparison of noise level to noise policy and ordinance allowances.

Yokohl Ranch Master Development Plan, Tulare County, California. Prepared the noise technical report and noise EIR section for the Yokohl Ranch Master Development Plan, an approximately 36,219-acre site about 15 miles east and southeast of Visalia in unincorporated Tulare County. The proposed project consists of suburban development and preserve areas, with approximately 7,662 acres designated for Planned Community Area, and the balance remaining under an existing Foothill Agriculture designation. The Planned Community Area consists of three sub-areas: (1) The Valley (2,534 acres of development, capped at 5,500 dwelling units); (2) The Meadows (2,067 acres capped at 5,500 dwelling units); and (3) The Oaks (1,971 acres capped at 1,000 dwelling units). Each sub-area would also contain commercial uses including retail and commercial office space, and The Valley would also include hotel, golf course, parks, school, and institutional uses.

Nick Segovia

NOISE

Nick Segovia is an environmental acoustician with professional experience that includes stormwater and sustainability consulting. Mr. Segovia specializes in stormwater pollution prevention plan inspections, stormwater sample collection, Construction General Permit compliance, and sustainability data analysis. He has worked with multiple government agencies in the San Diego area, acting as the liaison between government entities and private consulting and construction companies.



Position with Dudek

Environmental Acoustician

Length of time at Dudek

1 year

Education

University of San Diego

BA, Environmental &

Ocean Sciences

BA, Political Science

Professional Affiliations

Association of

Environmental

Professionals

Role in the project

Noise

Relevant Project Experience

Stormwater Pollution Prevention

Various Construction Projects, Flatiron Construction Corporation, San Diego, California. Performed stormwater pollution prevention plan inspections at Flatiron project sites throughout San Diego. Tasks included technical report writing using California Department of Transportation and California Stormwater Quality Association report templates, the identification of deficiencies in best management practices, stormwater sample collection and Rain Event Action Plans, and mediation between government and private entities.

San Diego International Airport Terminal 1 Project, Arrive Alliance, California.

Assisted with the Arrive Alliance’s goal to receive the Envision Award for sustainable infrastructure through the tracking of outgoing and recycled materials on the \$3.4 billion Terminal 1 project.

Corporate Sustainability, Flatiron Construction Corporation, San Diego, California. Assisted Flatiron’s corporate sustainability initiatives with parent company HOCHTIEF through internal and external auditing and environmental document organization for Flatiron’s six regional divisions in the United States and Canada.

Education

Site Characterization of Mission Bay, University of San Diego, California. Participated in the collection of more than 10,000 data points describing biological, geological, physical, and chemical characteristics of Mission Bay, which culminated in the generation of a technical report under the direction of a California Professional Geologist. Tasks included collecting field samples, performing laboratory analysis, and interpreting results.

Advocacy

Native Seed Library Intern, San Diego Audubon Society, California. Worked to advocate for the widespread implementation of native plants on new San Diego developments. Tasks included drafting a resolution for local municipalities to implement native plant landscaping and creating a map in ArcGIS Online that showed existing native plant proclamations in San Diego.

Dennis Pascua

TRANSPORTATION

Dennis Pascua is a senior transportation planner and Dudek’s transportation services manager with 28 years’ experience in transportation planning/engineering in Southern California. Mr. Pascua has successfully managed a variety of projects for local agencies and private developers, including traffic and circulation impact analyses and parking demand studies in both highly urbanized and rural areas. He is highly experienced with California Environmental Quality Act/National Environmental Policy Act and transportation topics and policies surrounding active transportation, context sensitive solutions, and complete streets throughout California. Mr. Pascua also offers an international perspective, having managed transportation planning projects in the Philippines, Japan, and the United Arab Emirates.

Project Experience

LADWP On-Call Environmental Services, Los Angeles, California. Managed Traffic Impact Analysis (TIAs) for the following projects prepared under an on-call contract with the City of Los Angeles Department of Water and Power (LADWP), the nation’s largest municipal utility: Power Plant 1 and Power Plant 2 Transmission Line Conversion; Tujunga Central Groundwater Station; North Hollywood Groundwater Station; De Soto Avenue Trunk Line Replacement; De Soto Water Tanks; and Van Norman Complex Vegetation and Maintenance Projects. The TIAs prepared, or currently being prepared, involve the analysis of construction-related traffic and potential lane closures on major public thoroughfares. Construction mitigation measures include the preparation of a Construction Traffic Management Plan that includes traffic control plans for roadway construction, and transportation demand management for construction worker traffic. Dudek has also coordinated with the Department of Transportation and Bureau of Engineering on those projects.

Sanborn Solar and Gen-Tie Route Project, Kern County, California. Managed the in-house Transportation team that prepared a TIA that identified potential construction-related traffic impacts associated with a proposed photovoltaic solar facility and associated infrastructure (gen-tie) necessary to generate up to a combined 300 megawatts of renewable electrical energy. The proposed project consisted of two sites: the northern site is approximately 1,118 acres; and, the southern site is approximately 983 acres. The southern site is directly north of Edwards Air Force Base Solar project. The project impacts were evaluated under CEQA and NEPA. The TIA evaluated existing traffic conditions, including roadway segment and intersection levels of service along or in proximity to the gen-tie route options; estimated trip generation and trip characteristics for construction-related activities of the gen-tie options; analyzed the potential for traffic impacts to occur as a result of construction of the gen-tie; described the significance of the potential impacts; and, identified mitigation measures, for construction-related traffic impacts.



Position with Dudek

Transportation Specialist

Length of time at Dudek

6

Professional Affiliations

American Planning Association

Association of Environmental Professionals

Institute of Transportation Engineers

Orange County Traffic Engineering Council

Education

University of California, Irvine

BA, Social Ecology (Environmental Analysis and Design)

Role in the project

Transportation

LACSD On-Call Environmental Services, Los Angeles County, California. As part of an on-call contract with the Los Angeles County Sanitation Districts (LACSD), Mr. Pascua managed the TIA for the Stormwater Capture System at Puente Hills Material Recovery Facility in County Sanitation District No. 2 to meet the Industrial General Permit's industrial stormwater requirements. The project would primarily involve construction of a proposed basin and supporting conveyance facilities (piping) that would involve grading, excavating, and fencing. The TIA analyzed the potential traffic impacts for the temporary construction phase of the project, which would generate construction-related traffic (due to construction workers, vendor trucks, and haul trucks) to and from the project site.

Gen-Tie Routes for Edwards Air Force Base Solar Enhanced Use Lease Project, Kern County, California. Managed the in-house Transportation team that prepared a traffic impact analysis (TIA) that identified potential construction-related traffic impacts associated with the proposed 230-kilovolt gen-tie route options that would connect the Edwards Air Force Base (EAFB) solar generation site with the existing Westwind Substation in the first phase of the project, and to the Southern California Edison Windhub Substation in subsequent phases of the project. The project impacts were evaluated under CEQA and NEPA. This project is located south of the Sanborn Solar and Gen-Tie project. The TIA evaluated existing traffic conditions, including roadway segment and intersection levels of service along or in proximity to the gen-tie route options; estimated trip generation and trip characteristics for construction-related activities of the gen-tie options; analyzed the potential for traffic impacts to occur as a result of construction of the gen-tie; described the significance of the potential impacts; and, identified mitigation measures, for construction-related traffic impacts.

Marsh Park Access Evaluation and Recommendations, Mountains Recreation and Conservation Authority, Los Angeles, California. Conducted an evaluation of the existing access conditions at the driveways in Marsh Park in the City of Los Angeles. The project was intended to address safety concerns at the park access including obstructed sight distance, failure of vehicles to yield to bicyclists and pedestrians, and lack of visibility for drivers to see when park gates are closed. Provided recommendations to improve safety for park users including placement of stop signs, reflective markers for park gates, and signage to alert drivers to the presence of pedestrians. Recommendations were made consistent with guidance provided in the California Manual of Uniform Traffic Control Devices.

Sabita Tewani, AICP, PTP

TRANSPORTATION

Sabita Tewani is a transportation planner with 14 years' experience in transportation assessments for due diligence planning. Ms. Tewani is experienced in preparing transportation-related environmental documentation for land use, transportation, and construction projects and vehicle miles traveled (VMT) estimation requirements per Senate Bill (SB) 743 compliance for the updated California Environmental Quality Act (CEQA) Guidelines for transportation impact analyses. Ms. Tewani has prepared several VMT assessments using web and/or Geographic Information System (GIS)-based mapping tools, VMT Calculators and Estimators, Location Based Service data from StreetLight big data company, greenhouse gas (GHG) emission thresholds, sketch-planning tools, as well results from custom travel demand model runs conducted for projects located in several jurisdictions in California. Ms. Tewani is familiar with using GHG reductions in transportation sector using the California Air Pollution Control Officers Association (CAPCOA) guidance. Ms. Tewani is experienced in all phases of traffic study analysis, including data collection, trip generation calculations, level of service (LOS) analysis for freeway and roadway segments and intersections, signal warrant analysis, all-way stop-control warrant analysis, shared parking calculations, and evaluation of internal circulation and access. She has used Synchro, Traffix, and Highway Capacity Software for traffic data and operations analysis.

Relevant Project Experience

Morse Recreation Center, City of Elk Grove, California. Prepared the transportation section and analysis that addressed the potential of VMT impacts of the proposed recreation center, tournament, and league play operations within the existing 30-acre Morse Community Park.

Hunter Subdivision VMT Analysis, City of Saint Helena, California. Prepared the VMT analysis for Hunter Subdivision, which consists of 51 single-family dwelling units, 25 workforce income-restricted dwelling units, and 11 accessory dwelling units. The VMT analysis involved comparison of home-based VMT per capita estimated using trip generation, trip purpose, and trip length data for the census tract or traffic analysis zone using Location-Based Services provided by StreetLight Data in accordance with Office of Planning and Research (OPR) guidelines.

Focused Traffic Analysis for the Bellevue Ranch 7, City of Santa Rosa, California. Prepared a Focused Traffic Analysis for development of 30 single-family homes on a 5.75-acre project site in the City of Santa Rosa. The project is consistent with the City of Santa Rosa General Plan 2035 and the City of Santa Rosa Municipal Code. The analysis included the project's trip generation



Position with Dudek

Transportation Specialist

Length of time at Dudek

7

Certifications

American Institute of Certified Planners (AICP)

Professional Transportation Planner (PTP)

Professional Affiliations

American Planning Association

Institute of Transportation Engineers (ITE)

ITE San Diego Section Transportation Capacity and Mobility Task Force and ITE SB 743 Modeling Sub-Committee

Education

Newcastle University MSc, Transportation Engineering and Operations, 2004

School of Planning and Architecture, New Delhi MA, Planning (Transportation specialization) BA, Architecture

Role in the project

Transportation

and distribution, site circulation analysis, sight distance analysis, and traffic control at the project access and a pedestrian, bicycle, and transit accessibility analysis.

Byron Airport Development Program EIR, Contra Costa County, California. Prepared the transportation section for the EIR, which identifies regulatory requirements, evaluates potential impacts, and identifies mitigation measures related to implementation of the warehousing, industrial, general commercial, and office land uses proposed as part of the Byron Airport Development Project. To mitigate project's significant VMT impact, prepared a detailed discussion of strategies from Contra Costa County's Transportation Demand Management Ordinance Guide and CAPCOA that would be most effective in areas like the community of Byron and are appropriate for the project to avoid or reduce the significant impact. VMT reductions for each strategy (using the applicable range of effectiveness) were applied to the project per CAPCOA's calculations and selected measures were included as mitigation measures to reduce project's VMT impact.

Substantial Evidence Memorandum for VMT Screening Criteria Analysis, City of Pomona, California. Prepared a technical memorandum that will be used to support the City of Pomona's Transportation Study Guidelines for Vehicle Miles Traveled and Level of Service Assessment in screening projects for VMT impacts and determine whether further detailed analysis would be required by establishing VMT screening thresholds for land use projects proposed in the City of Pomona.

Los Angeles County Housing Element Update Program Environmental Impact Report, County of Los Angeles, California. Prepared the program-level transportation analysis that focused on housing sites included as part of the Housing Element Update's rezoning program EIR. The rezoning program is required to meet the county's Regional Housing Needs Assessment for the 2021–2029 planning period. Applied a screening-based approach (using ArcGIS 10.8.1 software) to identify the parcels (within the rezoning program) located near major transit stops or within high-quality transit corridors and/or within low VMT generating areas per baseline VMT maps, for measuring the potential for VMT impact.

South Santa Anita Avenue, City of Arcadia, California. Prepared the VMT analysis for 2.88-acre site with 33 family residential units. VMT reduction measures from the City's modeling tool were applied and project design features, such as Bus Stop Design and Relocation and Preparation and Implementation of Transportation Demand Management Plan, were included to reduce the project's VMT impact to less than significant.

Los Angeles Department of Water and Power On-Call Environmental Services, Los Angeles, California. Prepared TIAs or technical memorandums and environmental documents for multiple projects under an on-call contract with the City of Los Angeles Department of Water and Power. The TIAs involve the analysis of construction-related traffic (i.e., traffic generated by a maximum of workers and trucks during peak construction-related activities) and potential lane closures on major public thoroughfares. The traffic analyses include existing and peak construction traffic conditions and identify potential traffic-related temporary impacts associated with the proposed projects. Construction mitigation measures include Construction Traffic Management Plans, which include traffic control plans for roadway construction and transportation demand management for construction worker traffic.

Trip Generation Analysis for 2600 Telegraph Avenue, Holland Acquisition Co., LLC City of Oakland, California. Prepared a Trip Generation Analysis of the mixed-use project proposed at 2600 Telegraph Avenue, located at the southeast corner of Telegraph Avenue and 27th Street in the City of Oakland. The proposed project would demolish the existing 19,600 square-foot single-story commercial building on the site and would construct an eight-story mixed use development comprising of 225 residential units and approximately 6,039 square feet of retail on an approximately 0.91-acre property in the city.

Mladen Popovic, AICP

TRANSPORTATION

Mladen Popovic is a transportation planner with 6 years' experience focusing on transportation impacts for a wide variety of projects. Mr. Popovic has an educational background in planning and experience working within traffic impact analysis procedures, including vehicle miles traveled analysis, data collection, cumulative project development, trip generation calculations, level of service (LOS) analysis for intersections and roadway segments, signal warrant analysis, construction traffic, internal circulation and access evaluation, and vehicle turning analysis. He has utilized various types of transportation and design software including Synchro, Traffix, AutoTurn, as well as other technical programs, such as ArcGIS and AutoCAD.

Relevant Project Experience

Hunter Subdivision Project EIR, City of St. Helena, California. Lead the Traffic Impact Analysis and Transportation Section for the Environmental Impact Report (EIR) for a proposed residential project on an approximately 17-acre parcel located near downtown St. Helena. The project includes 51 single-family homes, 25-multi-family units, and up to 25 accessory dwelling units. The analysis included a detailed weekday, Saturday intersection LOS analysis, vehicle miles traveled analysis, and horizon year analysis. The project is very controversial, and the City of St. Helena anticipates a legal challenge to the EIR.

Home2Suites Hotel, City of Rohnert Park, California. Lead analysis which included a proposed Home2Suites Hotel location within a shared commercial corridor. The report focused on the internal site circulation of the hotel, sight distance analysis, and LOS analysis. In-person field visits were vital in cataloging the existing roadway network and intersection conditions and providing an accurate analysis.

Focused Traffic Analysis for the Bellevue Ranch 7 Project, City of Santa Rosa, California. Worked as part of a team to analyze the impacts associated with 30 single-family homes and up to 7 accessory dwelling units in the City of Santa Rosa. Specialized analyses included sight distance analysis, pedestrian, bicycle, and transit accessibility, site circulation, and emergency vehicle analysis. American Association of State Highway and Transportation Officials guidelines were utilized to create AutoTurn turning analysis for the maneuverability of emergency vehicles on site, as well as the stopping distance for the site that fronts a rural two-lane roadway.

Former Dixon High School Modernization, City of Dixon, California. Lead analysis which dictated the re-opening of the former site of Dixon High School into a 750-student middle school. Since the former high school was abandoned, all incoming middle school students in the Dixon Unified School District, as well as the existing middle school, were re-allocated to the project site. This required a detailed analysis of students' trip origin points, key arterial roadways that facilitate vehicular trips within the City of Dixon, as well as an analysis of the railroad tracks



Position with Dudek

Transportation Specialist

Length of time at Dudek

6

Certifications

AICP No. 31419

Professional Affiliations

American Planning Association

Education

University of California, Santa Barbara

BA (with Honors), Geographic Information Systems

BA (with Honors), Environmental Studies

University of California, Irvine

Masters, Urban and Regional Planning

Role in the project

Transportation

that separate the City into two halves. Additionally, vehicular queuing at the 95th percentile, project site access, and pedestrian and bicycle safety were evaluated as part of the traffic impact analysis.

Santa Cruz Water Rights Project EIR, City of Santa Cruz, California. Worked as part of the transportation team on the Santa Cruz Water Rights Project EIR. Components of the project include modifications to existing water rights and related actions required to implement the proposed modifications, including expansion of place of use, clarifications on method and points of diversion and rediversion, adding an underground storage supplement, extension of time to put water to full beneficial use, and incorporation of bypass requirements for each water right. The underlying purpose of the project is to improve City of Santa Cruz water system flexibility while enhancing stream flows for local anadromous fisheries. The proposed project also includes water supply augmentation components and surface water diversion improvements that could result after the water rights modifications are approved. Physical infrastructure improvements include aquifer storage and recovery facilities in the Beltz system and potentially elsewhere, intertie facilities to allow for water transfers with neighboring agencies, and improvements to the Tait Diversion/Coast Pump Station and the Felton Diversion.

Warner-Ivy Street Vacation California State University – Chico, City of Chico, California. Technical analysis that evaluated a proposed street closure of Warner Street and Ivy Street, which bisects the campus of California State University, Chico. A detailed origin-destination analysis was conducted to determine the vehicular users affected by the proposed project. Finally, an LOS analysis was conducted and compared to the existing conditions, to determine the impact of the street vacation.

Orange County Sanitation District Facilities Master Plan EIR, Orange County, California. Worked as part of a team on the transportation analysis and reporting for the project's Program EIR for the Sanitation District's 2017 Facilities Master Plan. The analysis covers projects included in a 20-year Capital Improvement Program to ensure that the Orange County Sanitation District could sustain its infrastructure, meet future regulatory requirements, and continue to provide reliable service to the public. The project included facilities at Reclamation Plant No. 1 in Fountain Valley, Treatment Plant No. 2 in Huntington Beach, the sewer collection system, and improvements at various pump stations. All 75 project- and program-level projects were evaluated quantitatively at either a project-level or representative project approach.

Pedestrian Analysis of Path D for CF Equipment, City of Colton, California. As planner, worked on a quantitative and qualitative analysis addressing pedestrian and bicycle issues as part of truck traffic associated with CF Equipment's proposed project in the City of Colton. Nearby conflicts with Woodrow Wilson Elementary School necessitated roadway improvements such as improved school crossing signage, installation and restriping of crosswalk and pavement markings, and warnings for pedestrian and bicyclists. All recommended improvements were according to the California Manual on Uniform Traffic Control Devices. Truck stopping distance, sight distance analysis, vehicle collision analysis, and intersection LOS were all included within the report.

Huntington Park General Plan Update, City of Huntington Park, California. Contributed on the traffic impact analysis for this project that served to analyze the proposed update to the City of Huntington Park's General Plan. The project involved re-analyzing existing conditions and utilizing model data from the Southern California Association of Governments travel demand model for buildout year conditions for seven planning areas that comprised 12 critical intersections. Once model results were post-processed and refined, intersections and roadway segments were distributed accordingly based upon the changes of density of uses proposed within the General Plan Update. Since the City of Huntington Park lies directly adjacent to the City of Los Angeles, regional transit and pedestrian circulation was also analyzed.

Dana Link-Herrera, AICP

WILDFIRE

Dana Link-Herrera is an environmental analyst with 6 years’ experience and a strong foundation in urban and regional planning and the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA). She has a diverse background working in natural resource management, public universities, tribal communities, community outreach, permitting support, and environmental analysis. Ms. Link-Herrera provides analytical, technical, and project management support on a variety of projects and environmental topics.

Since joining Dudek, Ms. Link-Herrera has specialized in conducting wildfire and urban forestry analyses and aesthetics and visual impact analyses in accordance with CEQA/NEPA and regional/local guidelines. She is experienced in conducting site visits and field work, doing regulatory setting research, writing existing conditions documentation, analyzing post-project conditions, and providing feasible mitigation measures when necessary. She is skilled at reviewing and synthesizing highly technical information into comprehensive environmental analyses. She works collaboratively with Dudek’s licensed foresters and wildfire protection planners to provide comprehensive wildfire analyses in accordance with California Department of Forestry and Fire Protection and local fire agency recommendations. Ms. Link-Herrera also specializes in conducting both technical and non-technical visual impact assessments to produce focused impact analyses, aesthetics memoranda, and technical visual impact reports. She is experienced with the Bureau of Land Management (BLM) and Federal Highway Administration visual impact assessment methodologies.

Relevant Project Experience

Santa Barbara Community Wildfire Protection Plan (CWPP) and EIR, City of Santa Barbara, California. Assisted with preparation of the Santa Barbara CWPP and the accompanying program-level EIR. Worked collaboratively with the project team to prepare and update the citywide CWPP and conduct an in-depth program-level environmental analysis in accordance with CEQA and local and regional policies while meeting a strict project schedule according to California Department of Forestry and Fire Protection grant funding guidelines. Conducted analysis of potential impacts to aesthetics and recreational resources.

Hitch Ranch Project Fire Protection Plan and EIR, City of Moorpark, California. Authored the CEQA wildfire analysis for the project, which includes single-family residential development and outdoor recreational space located in a very high fire hazard zone/wildland–urban interface area. Worked collaboratively with Dudek wildfire planners to incorporate technical information from the Fire Protection Plan (FPP) into the EIR section to provide a comprehensive



Position with Dudek

Fire Protection Planner

Length of time at Dudek

6

Professional Affiliations

American Planning Association (APA)

Association of Environmental Professionals (AEP)

Education

California State Polytechnic University, Pomona

MURP, Urban and Regional Planning, 2019

University of California, San Diego

BA, International Studies (Environmental Studies minor), 2011

Role in the Project

Wildfire

wildfire analysis. The analysis included a review of the existing fire environment, fire behavior modeling for pre- and post-project conditions, proposed fuel modification zones, and mitigation measures for the project.

La Purisima Fuel Reduction Project, California Vegetation Treatment Program (CalVTP) Program EIR, Santa Barbara County Fire Department, California. Provided project management support and conducted analysis in accordance with CEQA for a vegetation reduction project under CAL FIRE's CalVTP Program EIR. The project consists of vegetation treatment to create a fuel break along Purisima Ridge in northern Santa Barbara County. Coordinated with Dudek technical staff and Santa Barbara County Fire Department staff to conduct site visits and complete technical analyses and a project-specific analysis. Created a mitigation monitoring and reporting program tracker to facilitate implementation of standard project requirements and mitigation measures.

Talbert Regional Park Master Plan, EIR, Orange County Parks, City of Costa Mesa, Orange County, California. Assisted with preparation of the Master Plan and EIR for the project, which includes restoring the park into a multi-use low impact recreational use park. Assisted lead biologist with conducting focused species surveys for the 180-acre project site consisting of North Talbert and South Talbert. Surveys were conducted in order to document baseline conditions and existing biological resources.

Costco/Vineyard II and Vineyard III Environmental Impact Reports, City of Murrieta, California. Assisted with preparation of Environmental Impact Reports (EIRs) for two adjacent commercial projects in a very high fire hazard severity zone, including a Costco Warehouse and adjacent retail shopping centers. Provided project management support and conducted the environmental analysis for several resource areas, including land use and planning, population and housing, public services, and wildfire. Coordinated with Dudek fire protection planners and Murrieta Fire Department to conduct a technical wildfire assessment, analyze wildfire behavior modeling results, incorporate the assessment into the EIR, and formulate feasible mitigation measures and a plant palette that would reduce wildfire risks.

Entrada South and Valencia Commerce Center Project Supplemental EIR, Unincorporated Los Angeles County, California. The project includes single-family residential and commercial development located in very high and high fire hazard zones as part of the development facilitated by the state-approved Newhall Ranch Resource Management and Development Plan and Spineflower Conservation Plan within the Entrada and Valencia Commerce Center Planning Areas in the County of Los Angeles. Dudek provided fire protection planning services for the project, including preparation of an FPP, a Construction Fire Protection Plan, and a wildfire analysis in accordance with CEQA for inclusion in the EIR prepared by an outside firm. Collaborated with Dudek's urban forestry specialists and fire planners to conduct the CEQA wildfire analysis and incorporate the Dudek-prepared technical analysis. The analysis included fire behavior modeling for pre- and post-project conditions and proposed fuel modification zones and mitigation for the project.

Marisol Resort Specific Plan Visual Resources Report, City of Del Mar, California. Provided peer review and assisted with revisions to the visual technical report for the Marisol Specific Plan. Analysis included identification of visual resources, evaluation of project impacts from key observation points, and coordination with visual technical lead and technical specialist creating visual simulations. The project includes implementation of a specific plan with five land use sub-designations, and proposes to develop resort guest rooms, villas, and associated amenities atop a coastal bluff. Key issues considered include visual impacts to scenic vistas, coastal resources, and development of a coastal bluff area, including compliance with setbacks, steep slopes, and public beach access.

Holiday Inn Express Suites Project Initial Study/Mitigated Negative Declaration, City of Hawaiian Gardens, California. Provided project management support and served as lead environmental analyst to complete the Initial Study/Mitigated Negative Declaration for the proposed hotel project, which included development of a 1.25-acre vacant lot into a four-story, 71-room hotel.

Hesperia Commerce Center II EIR, City of Hesperia, California. Assisted with preparing the EIR for the project, which proposes to construct three large warehouse buildings, associated parking, and office space on approximately 194.8 acres of vacant land within a specific plan area. Served as lead author for several EIR sections, including the aesthetics and wildfire analyses. Special consideration was given to potential impacts to existing scenic vistas and the potential contrast from the existing vacant site and surrounding sparse development.

University of California, San Diego, Future College Living and Learning Neighborhood, City of La Jolla, California. Assisted with preparation of a technical visual impact analysis report and addendum to the aesthetics analysis included in the Mitigated Negative Declaration prepared for the project. Key factors considered in the evaluation of impacts to visual resources included project consistency with the university's long-range development plan, city and campus scenic resources, project building height, visibility, and shade and shadow analysis.

Haynes Generating Station Intake Channel Infill Project, Los Angeles Department of Water and Power, City of Long Beach, California. Served as lead environmental analyst and provided project management support for the proposed channel infill project within the Los Angeles Department of Water and Power (LADWP) Haynes Generating Station. The project includes filling a coastal water intake channel to eliminate the use of once-through cooling and advance renewable energy goals. Responsibilities include environmental impact analysis, permitting support, and coordination with sub-consultants and technical staff to complete technical analyses.

Jacumba Valley Ranch Solar Project Visual Resources Report, County of San Diego, California. Assisted with visual resources analysis for the Jacumba Valley Ranch Solar Project Visual Resources Report. The project consists of an approximately 571-acre solar facility on 1,289 acres of privately owned property. The project would introduce approximately 346,202 photovoltaic modules fitted on single axis solar trackers and additional project components (25-megawatt battery energy storage system, 138-kilovolt switchyard, and 138-kilovolt, 220-foot long overhead transmission line) on vacant land adjacent to the rural community of Jacumba. Technical analysis included identification of visual resources and analysis of project impacts from key observation points. Key issues addressed include impacts to residents, proximity to the Jacumba Airport, and contrasts in theme, color, site coverage, scale, and general character between proposed project components and surrounding area.

Mesa Wind Repower Project EIR, California Department of Fish and Wildlife, Riverside County, California. Provided technical support and conducted analyses in accordance with CEQA for potential impacts to aesthetics and wildfire for the Mesa Wind Repower Project, which involves decommissioning and removal of over 400 existing wind turbine generators and constructing, operating and maintaining up to 9 new wind turbine generators and installation of overhead and underground collector lines and substation upgrades. The project is located on 401 acres of BLM-administered lands. Responsibilities included review of the applicant-prepared initial study, preparation of data requests, and preparation of an independent EIR. Key issues include consistency with the Desert Renewable Energy Conservation Plan, BLM plans and policies, and wildfire protection planning and regulations for wind turbines.

Arica-Victory Pass Solar Projects, EIR, California Department of Fish and Wildlife, Riverside County, California. Completed wildfire impact analysis and authored wildfire EIR chapter for the Arica Victory Pass Solar Projects, which include construction, operation, and maintenance of two utility-scale solar photovoltaic (PV) electrical generating and storage facilities and associated infrastructure to generate and deliver renewable electricity to the statewide electricity transmission grid. Responsibilities included review of the applicant-prepared initial study, preparation of data requests, and preparation of an independent analysis.

Scott Eckardt, RPF

WILDFIRE

Scott Eckardt (*SCOT EC-hart*) is a certified arborist and licensed forester with 24 years' experience in the natural resource management field. He has managed numerous urban forestry projects throughout California, including individual tree assessments, urban and wildland tree surveys, tree appraisal, tree impact determination and mitigation program development, tree planting and maintenance specification preparation, construction monitoring, and tree mitigation project oversight and monitoring. He also focuses on fire management issues in open-space and wildland-urban interface (WUI) areas throughout California. His fire management experience includes assessment of fire and fuel hazard conditions, WUI inspections for local fire departments, and preparation of vegetation management plans (VMPs), fire protection plans (FPPs) and Community Wildfire Protection Plans (CWPPs). He routinely prepares technical reports, conducts GIS and data analysis, and prepares technical reports and California Environmental Quality Act (CEQA) technical documents.

Relevant Project Experience

Forest Health Plan and for Sanborn and Upper Stevens Creek County Parks, Santa Clara County Parks, Santa Clara County, California. Served as the lead forester and project manager and drafted a forest health plan covering Sanborn County Park (3,400 acres) and Upper Stevens Creek County Park (1,280 acres). Santa Clara County Parks engaged Dudek to develop a plan to proactively address management of forest threats (e.g., wildfire, Douglas-fir encroachment, pathogens) to maintain high recreational value in both Parks. The Parks are located in the Santa Cruz Mountains, characterized by steep terrain and dominated by Douglas-fir/tanoak forest, oak woodland, and redwood forest, and include numerous recreational amenities (e.g., campsites, trails, picnic areas). Preparation of the plan involved extensive field surveys to evaluate forest health conditions, identifying management actions and projects to address observed forest health issues, outlining management recommendations and a plan implementation framework, and developing special-status species avoidance and impact minimization measures.

Post-Fire Hazard Tree Assessments for the CZU Lightning Complex, Santa Cruz County, California. Served as the project manager for a post-fire hazard tree assessment project within the CZU Lightning Complex Fire perimeter in northern Santa Cruz County. Dudek worked collaboratively with the California Department of Transportation and California State Parks in support of efforts to re-open Highways 9 and 236. We evaluated, mapped, and marked over 5,600 fire-damaged trees along 15 miles of roadway that posed a potential failure hazard. The project involved development of a hazard tree data collection methodology and approach consistent with ISA tree risk assessment standards and FEMA post-disaster funding requirements.



Position with Dudek

Fire Protection Planner

Length of time at Dudek

22

Certifications

Registered Professional Forester (RPF), No. 2835

Certified Arborist, No. WE-5914A

Association for Fire Ecology Certified Wildland Fire Manager

Professional Affiliations

Association for Fire Ecology (AFE)

International Society of Arboriculture (ISA)

Education

California State University, Long Beach

MA, Geography

California Polytechnic State University,

San Luis Obispo

BS, Forestry and Natural Resources Management

Role in the project

Wildfire

Professional Forestry Services for Tree Mortality Project, County of Fresno, California. Serving as the project manager and providing technical arboriculture and forestry services for the County of Fresno. The County of Fresno has embarked on a project to expedite the removal and disposal of dead and dying hazardous trees; Dudek is identifying and mapping these trees. The Southern Sierra Nevada range suffered significant tree mortality due to the drought and subsequent bark beetle attacks. Fresno County is addressing the problem in response to Governor Brown's 2015 State of Emergency proclamation, which included provisions for removing and disposing of dead and dying hazardous trees. Dudek is responsible for counting, identifying, marking, and mapping all dead and dying trees that threaten public rights-of-way and public infrastructure.

On-Call Consulting Arborist Services, City of Sacramento, California. Served as project manager for on-call arboricultural consulting services. Dudek prepared a summary report and developed management recommendations for City of Sacramento-managed trees in the North Natomas area. This task involved extensive field work evaluating 79 landscape areas (including approximately 4,000 trees) to document and map tree and landscape area conditions that were causing, or had the potential to cause, damage to adjacent hardscape, sound walls, or other landscape infrastructure. Dudek also assessed more than 2,800 individual park trees using a modified risk evaluation procedure. Risk assessments identified tree defects, the likelihood of failure, the target potential, and management actions recommended to eliminate or reduce risk. Dudek accessed the City of Sacramento's GIS-based tree inventory for mapping efforts and delivered a comprehensive database for prioritizing risk-reduction efforts.

Roadside Hazard Tree Assessment and Mapping, Sonoma County, California. Served as the project manager for a hazard tree identification and mapping project for approximately 1,700 dead, dying, and hazardous trees along 31 miles of roads in the northwestern portion of Sonoma County. The intent of the project was to identify trees that may impact Sonoma County roads and deliver project data so that it could be used for tree removal contractor bidding. The project was conducted in early 2020 and involved identifying and tagging trees located within the Sonoma County right-of-way and collecting tree attribute data for trees on adjacent private properties where right-of-entry will be needed to facilitate tree removal. Dudek delivered tree attribute and mapping data to Sonoma County in May 2020. The project was funded by a CAL FIRE grant.

Post-Fire Tree Risk Assessment and Mapping, Butte County, California. Served as the project manager for a post-fire hazard tree assessment for over 40 trees that were damaged by the 2018 Camp Fire. The County requested that Dudek conduct a third-party assessment of trees which were originally identified for removal by another contractor. In response to public concerns regarding the accuracy of previously conducted hazard tree assessments, Dudek foresters and arborists were contracted to conduct independent assessments of the fire damaged trees in question. The intent of the overall project was to expedite the removal of dead and dying hazardous trees that threatened County infrastructure within the 2018 Camp Fire perimeter. Federal Emergency Management Agency (FEMA) disaster relief funding sources were used for this project.

Arborist Report for 195 Park Street, City of Auburn, Auburn, California. Served as the project manager and conducted an assessment of 27 cut or damaged trees on the subject property. The assessment was necessary following non-permitted tree cutting activities that occurred on the site in December 2016. The project entailed conducting a detailed site assessment of the tree cutting area, mapping and assessing cut and damaged trees, documenting site conditions, and developing an arborist report. The report addressed tree size information for cut and damaged trees, which forms the basis for penalties under Auburn City Code.

Michael Huff, RCA

WILDFIRE

Michael Huff is founder and manager of Dudek’s Urban Forestry/Fire Protection Planning team with 30 years’ experience as a forester and fire protection planner. Mr. Huff specializes in management of community-wide and project-specific fire protection plans (FPPs), wildland–urban interface (WUI) fire management plans, wildfire hazard reduction projects, California Environmental Quality Act (CEQA) supporting technical documents, Oak Woodland impact and mitigation plans, urban and community forest management plans, forest and tree inventories, impact analysis studies, and tree hazard evaluations. Mr. Huff possesses considerable project issue resolution experience and focuses on working within the regulations to provide creative, cost-saving solutions to his clients. He routinely participates in public hearings, strategy sessions, and provides public presentations.

Relevant Project Experience

FPP for the MRCA Public Access Enhancement Plan, Malibu, California. Served as Project Manager and technical expert, and drafted portions of the FPP, which served as a component of the project EIR. The project involved development of facilities to enhance public access to open space within the Santa Monica Mountains, including parking areas, campsites, and trails. The FPP analyzed fire risk components associated with increased public access into wildland areas and developed measures to mitigate risk. Technical analysis of risk included assessment of fire history, fire behavior modeling, access constraints, and proximity to firefighting resources. Fire behavior modeling involved the use of both tabular (BehavePlus) and GIS-based (FlamMap) fire behavior modeling software packages and was an integral component of the fire-planning process. The FPP served as a component of the project final EIR, which was approved by the MRCA board and the California Coastal Commission.

Sky Ridge Community Fuel Modification Zone Inspections, D.R. Horton, San Bernardino, California. Provided oversight and managed this project that included inspection of existing fuel modification zones in a very high fire hazard severity zone. Dudek’s fire protection specialists inspected the perimeter fuel modification zones and documented issues. A report indicating where issues were noted and how they could be mitigated was prepared.

FMPs, County of San Diego Department of Parks and Recreation, San Diego County, California. Served as Project Manager and prepared the fire management components for the Lusardi Creek Preserve and Simon Preserve vegetation management plans (VMPs) in San Diego County, California. The fire management component of the VMPs identifies fire risk to sensitive resources, identifies appropriate mitigation/fuel reduction goals and recommendations, and outlines procedures for fire management before, during, and after a fire. Analysis involves

Position with Dudek

Practice Director

Length of time at Dudek

22

Certifications

Registered Consulting Arborist (RCA)

Certified Arborist, No. WE-4276A

San Diego County Department of Planning and Land Use-Approved Fire Protection Planner

Laguna Beach Fire Department-Approved Fire Protection Planner

Certified Wildland Fire Ecologist

Professional Affiliations

American Society of Consulting Arborists

National Fire Protection Association – International

California Fire Chief’s Association – Fire Prevention Officers

Education

Northern Arizona University

BS, Forest Management

Role in the project

Wildfire

extensive mapping and fire behavior modeling using GIS-based software applications (FlamMap). Currently preparing fire management plans for three other open-space preserves for the County of San Diego Department of Parks and Recreation.

Point Molate Mixed Use Development, Argent Development, Richmond, California. Managed, wrote, reviewed, and coordinate the preparation of two emergency planning documents to satisfy project conditions of approval for the Point Molate project in Richmond, California. A Wildfire Emergency Response Plan that evaluated the potential wildfire risk for the proposed Point Molate mixed use community was prepared and made recommendations for addressing risk and providing for resident and fire department response. A second document, the Multi-Hazard Emergency Response Plan, was prepared to address the most likely natural- or human-caused disasters and the project's planned actions in response. This plan includes responses to earthquakes, tsunamis, flooding, and other disasters and provides a framework for how the project would respond. Presented at several public hearings to answer questions regarding the site's overall safety.

Wildland Fire Management Plan, Nature Reserve of Orange County, California. Managed and was primary author of a wildland fire management plan for the 36,000-acre preserve located on the Irvine Ranch from Laguna Beach and extending to Anaheim Hills. The project included extensive stakeholder outreach and coordination of the 38 stakeholder agencies. Goals of the plan were to minimize fire ignitions, protect natural resources, protect private property assets neighboring the Reserve, and prepare a guidance document that was implementable and included realistic measures for reducing fire frequency and impacts.

Fanita Ranch Master Planned Community Project FPP and Evacuation Plan, HomeFed Corp., Santee, California. Managed the preparation of this comprehensive FPP and Wildland Fire Evacuation Plan. The project is a 2,638-unit development with a village core, fire station, school, agriculture, parks, trails, and related infrastructure. The FPP is a robust document that identifies the potential wildfire risk at the site and then defines and provides specifications for addressing the risk to acceptable levels. The project's evacuation plan provides future residents with a toolkit for preparedness and awareness so they are familiar with the potential evacuation declarations and actions they may need to take along with a comprehensive evacuation time and potential impact analysis.

Harmony Grove Village South Fire Protection and Evacuation Plan, Harmony Grove Village South Partners, LLC., San Diego County, California. Project manager, lead fire protection planner, and primary author of this comprehensive FPP for a 554-unit project. The project required a modification for dead-end road length, and a package of 27 features was developed for justifying the modification as meeting the intent of the code. Worked with County fire planners, Rancho Santa Fe Fire Protection District fire prevention officers, and third-party fire operations experts to gain confirmation that the project would be safe and meets the code intent. The project can be considered a shelter in place community due to its robust wildfire hardening and improved evacuation capabilities.

Murrieta Hills FPP, Pulte Homes, Murrieta, California. Managed and guided analysis, wrote the FPP, and coordinated with local fire personnel on this 750-unit residential master plan. The project required a code modification regarding dead-end road length with justifying measures to meet the intent of the code. Dudek performed a comprehensive analysis of the fire environment and prescribed a redundant system of protections to provide safe vehicle evacuation through the community to available evacuation routes while enabling emergency ingress. The project is within a very high fire hazard severity zone, and the site's wildfire risk was evaluated and addressed through site-specific design features.

Appendix B

Project Descriptions

Relevant Project Experience

PLACER COUNTY GOVERNMENT CENTER MASTER PLAN UPDATE

Client: Placer County Facility Services
Period of Performance: 2016–Ongoing

Dudek provided environmental consulting services and EIR preparation for the Placer County Government Center Master Plan Update project. The project’s purpose was to develop a campus master plan update for the 200-acre Placer County Government Center. The adopted master plan update addresses future development needs at this government center, including demolition of buildings that are contributing features to a registered historic district, and construction of new public and private land uses in four major construction phases. The Master Plan Update anticipates that the site would support County offices and a mix of private office, commercial, and multifamily residential development. Approximately 650,000 square feet of existing building space will be retained, and new construction will include approximately 410,000 square feet of new County facilities, 30,000 square feet of community uses, and approximately 510,000 square feet of new mixed-use buildings that would accommodate commercial and residential elements, including a 79-unit affordable housing project. Dudek was tasked with preparing several technical studies and an EIR that includes programmatic analysis of the overall Master Plan as well as project-level analysis of the first two projects anticipated to be constructed, which were the affordable housing project and a new County Health and Human Services building.

“I enjoyed working with Dudek and will look for opportunities to team with them in the future. Their environmental expertise, professionalism, attention to detail, and customer service approach will serve others well.”

– Paul Breckenridge, Deputy Director of Real Estate Services & Capital Improvements, Placer County

The Board of Supervisors adopted the Master Plan and certified the Final EIR in April 2019. Dudek continues to work with Placer County staff to provide additional environmental review and permitting support for implementation of the Master Plan. Construction of the affordable housing project is complete, and the units have been occupied since Spring 2022; construction of the Health and Human Services building is underway.

DORSEY MARKETPLACE

Client: City of Grass Valley
Period of Performance: 2016–2020

Dudek prepared an EIR on behalf of the City of Grass Valley to evaluate the mixed-use Dorsey Marketplace project. The project site, which is adjacent to State Route 20/49, was historically used for mining. The EIR presented two project alternatives at an equal level of detail. Each included at least 100,000 square feet of commercial space and multifamily dwelling units, one alternative also included office space. The analysis demonstrated that the project alternative with less commercial

space, twice the number of dwelling units, and office space created a more balanced traffic pattern and made it feasible to reduce all potential project impacts to less-than-significant levels. A key issue for the project was the ability of the proposed commercial space to capture a portion of the region’s retail sales leakage without adversely affecting existing businesses in the Downtown Business District. Other key issues included traffic, aesthetics, and remediation of hazardous soil conditions due to the prior mining use of the site.

VALLEY’S EDGE SPECIFIC PLAN

Client: City of Chico
Period of Performance: 2019–2023

Dudek prepared an EIR for a 1,400-acre Specific Plan. The project site is located in unincorporated Butte County but is planned to be annexed into the City of Chico. The site is currently undeveloped and includes a rich diversity of biological resources in addition to both archeological and built environment resources. A portion of the site was burned in the Camp Fire and wildfire risk and evacuation were primary concerns of the community. The Specific Plan includes over 2,700 residences, mixed-use and neighborhood commercial uses, parks, open space, and a school site. The project was very high profile and the EIR received a great deal of scrutiny. Environmental issues included potential loss of special-status biological resources, concerns due to wildfire, impacts to historic resources, and increase in traffic on local roadways. The EIR was certified, and the project was approved in January 2023. The EIR was subsequently challenged but the petitioners were also successful in getting the project on the March ballot to be voted on by the community.

YOSEMITE AVENUE - GARDNER AVENUE TO HATCH AVENUE ANNEXATION AND MIXED-USE DEVELOPMENT

Client: City of Merced
Period of Performance: 2016–Ongoing

Dudek prepared an EIR for this annexation and mixed-use development project for the City of Merced. The project proposes to annex approximately 70 acres from Merced County into the City and to develop a commercial and residential community on approximately 30 acres of the site. The remaining 40 acres are currently developed with rural residential properties and a church. The mixed-used community was proposed to include 540 apartment units, a 13,700-square-foot clubhouse, and a mixed-use building with 66,000 square feet of ground-floor retail and 30 residential units on the second floor. Dudek prepared technical studies to address biological and cultural resources, air quality and greenhouse gas emissions, and noise; we also worked with the project applicant’s consultants to ensure that appropriate analysis of water supply, storm drainage, wastewater conveyance, and transportation was provided. Dudek also prepared the Draft EIR that was circulated for public review in Fall 2021. Only four comment letters were received in response to the Draft EIR. However, the project applicant placed the project on hold prior to completion of the Final EIR and ultimately withdrew their application. The property has recently been acquired by a new project applicant who has submitted a revised project application. Dudek is resuming work with the City and the new applicant team to prepare a revised NOP, partially recirculated Draft EIR, and Final EIR.

CARSON CREEK SPECIFIC PLAN AMENDMENT EIR

Client: Carson Creek El Dorado LLC

Period of Performance: 2020–2021

El Dorado County adopted the Carson Creek Specific Plan in 1996 and approved two minor amendments to the plan in 1999. The plan anticipated development of a wide range of uses over 710 acres, including age-restricted residential (senior housing), commercial, industrial/research and development (R&D), a community park, and open space. Most of the senior housing had been constructed or was under construction by 2020, but none of the industrial/R&D land uses had been constructed. The property is located in the community of El Dorado Hills and is adjacent to an existing business park that is not fully built out. Real estate market trends indicated that there was an oversupply of land for industrial/R&D uses. Therefore, the property owner proposed to amend the Specific Plan to replace those designations with additional senior housing. Dudek prepared an EIR addendum to evaluate this proposed amendment. Dudek prepared a detailed Initial Study to document the changes in circumstances and site conditions as well as information regarding environmental resources and impacts that was not available at the time that the Carson Creek Specific Plan EIR was prepared. Key issues included biological resources, noise, and transportation. The analysis demonstrated that the proposed land use changes and changes in existing conditions and regulatory requirements would not result in any new or more severe environmental effects relative to the impacts identified in the EIR; therefore, Dudek prepared an addendum to the EIR.

Appendix C

Proposed Exceptions

PROPOSED EXCEPTIONS

Dudek proposes the following exceptions to the professional services agreement.

Section	Proposed Exception
4. Indemnity	<p>Consultant shall, to the fullest extent permitted by law, indemnify, protect, defend and hold harmless City, and its employees, officials and agents ("Indemnified Parties") from all claims, demands, costs or liability (including liability for claims, suits, actions, arbitration proceedings, administrative proceedings, regulatory proceedings, losses, expenses or costs of any kind, interest, defense costs, and expert witness fees), that arise out of, pertain to, or relate to the negligence, recklessness, or willful misconduct of Consultant, its officers, employees, or agents, in said performance of professional services under this Agreement, excepting only liability arising from the sole negligence, active negligence or intentional misconduct of City.</p> <p>Notwithstanding the foregoing, with respect to any professional liability claim or lawsuit, this indemnity does not include providing the primary defense of District, provided, however, Consultant shall be responsible for District's defense costs to the extent such costs are incurred as a result of Consultant's negligence, recklessness or willful misconduct.</p>

The background of the entire page is a technical drawing in a light blue color on a dark blue background. It features various geometric shapes, lines, and dimension lines. Some dimension lines are labeled with numbers: '188' on the left, '47' on the right, '10' and '30' in a box on the top right, and '2' near the center. There are also several circular symbols with a crosshair inside, resembling technical markers or callouts.

DUDEK

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