AUGUST 9, 2019

PROPOSAL

Marinda Heights Subdivision Project

Preparation of an Environmental Impact Report

SUBMITTED TO:

Ben Berto

Director of Planning
and Building Services

Town of Fairfax

142 Bolinas Road
Fairfax, CA 94930

August 9, 2019

Ben Berto, Director of Planning and Building Services
Town of Fairfax
142 Bolinas Road
Fairfax, CA 94930

Subject: Proposal to Prepare the Marinda Heights Subdivision Project Environmental Impact Report

Dear Mr. Berto:

The Marinda Heights Subdivision Project is the largest proposed residential project in the Town of Fairfax in decades. The project site is one of the last parcels of undeveloped land in the town. It is seen by residents as providing aesthetic, habitat, and informal public access values. While construction of 10 single-family homes is the project's primary development goal, vegetation and fire risk management are also critical aspects. Heavy public interest is assured, and opposition is expected.

The Ascent Environmental team understands the Town's needs for thorough and objective review of the project under the California Environmental Quality Act (CEQA). We are offering the right staff and subconsultants to prepare a comprehensive and defensible environmental impact report (EIR) for the Town, including extensive local experience in Marin County, experts in CEQA compliance, and the full range of technical specialties needed for a comprehensive evaluation. Considering the key issues and needs of the project's environmental compliance, Ascent's approach to CEQA review is based on the following three principles:

- Impartiality, Credibility, and Defensibility. The Town expects that the project will be very controversial, which means the public is likely to closely scrutinize the EIR. To maintain the integrity of the process and the EIR, it is critical that no real or perceived conflicts exist and that the environmental analysis provide credible, objective, and useful information for Town decision-makers. Ascent and its subconsultant team do not have conflicts of interest with the applicant or its team. Additionally, Ascent documents have a stellar record of defensibility when project opponents have chosen to litigate, as described in our proposal. Ascent will produce a high-quality EIR that is technically sound and reflects the independent judgment of the Town.
- Thorough and Comprehensive Evaluation of Fire Fuel and Vegetation Management Impacts. Recognizing recent elevated attention on wildfire risk, a key element of the project will be fire fuel and vegetation management activities. The Ascent team has the right combination of project experience, which includes a long history of projects in Marin County, hillside development projects in the Bay Area, and substantial fire fuel and vegetation management project experience. In terms of evaluating the range of impacts from fire fuel management, Ascent has been at the forefront of environmental review for wildfire risk reduction and vegetation treatment projects and programs, currently working with the California Board of

Forestry and Fire Protection and CAL FIRE on a Program EIR for their statewide fire fuel treatment strategies. Ascent will clearly and fully address fire fuel management and wildfire risk issues in the EIR.

- **Recognition That the Project Is More Than Just a Housing Development.** The project proposal is principally to develop 10 new single-family homes, but other critical elements are open space dedication, vegetation management, public trail easements, and substantial grading, drainage, and slope stability features. The project will have more impacts than the typical urban development project because of the constraints and qualities of the project site. Meanwhile, the public will be paying close attention. Ascent staff work on an array of land management and public access projects, in addition to residential development proposals; as a result, our EIR experience ranges far beyond urban planning and development. We understand construction impacts, buildout impacts, vegetation management impacts, and more. Ascent will carefully address all aspects of the proposed project in the EIR.

To fully support the Town, Ascent has supplemented in-house professionals with several subconsultants that have specialized experience: Herzog Geotechnical (geotechnical engineering), Parisi Transportation Consulting (transportation planning and traffic engineering), Natural Investigations Company (cultural resources and paleontology), 2M Associates (visual resources analysis), CSW/Stuber-Stroeh Engineering Group (civil engineering), and Wildland Resource Management (wildland fire management).

Our scope of work package includes more detail about Ascent, our subconsultant team members, and our approach to CEQA review of the Marinda Heights Subdivision Project. We look forward to the opportunity to work with the Town and appreciate your consideration of our submittal. Kristi Black is your primary point of contact for this effort. Please do not hesitate to contact Kristi if you have any questions or require further information. As a principal and owner of the firm, Curtis E. Alling is authorized to negotiate and execute a contract.

Sincerely,

Curtis E. Alling, AICP
Principal-in-Charge
e: CurtisAlling@AscentEnvironmental.com
p: 916.930.3181

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Project Manager
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Enclosures

cc: Project File (19010134.00)

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1 PROJECT MANAGEMENT APPROACH

1 PROJECT MANAGEMENT APPROACH

Project Understanding

Ascent Environmental offers the Town of Fairfax, Department of Planning and Building Services, a thorough understanding of the Marinda Heights Subdivision Project and its unique challenges and issues. Timberstone LLC (applicant) proposes to subdivide the 100.5-acre Wall Property into the Marinda Heights Subdivision. Ten single-family homes would be built on the subdivided parcels. The applicant needs several approvals from the Town for the project, including a Vested Tentative Map, Design Review, Hill Area Residential Development Permit, Ridgeline Development Permit, and Excavation Permit. Review under the California Environmental Quality Act (CEQA) is required, with the Town serving as lead agency.

Homes and hardscape would occupy approximately 7.5 acres of the property, with the remainder of the property managed in a natural state, for new public trails, or as undeveloped open space. Much of the site exceeds 40 percent slope, and the property is visible from several areas of town. The project would also require roadway extensions of Marinda Drive and Ridgeway Avenue. Extensive grading is proposed to reduce the grade of an existing fire road. Fire and fuels management of the open space area is also a critical component of the project. The applicant has provided considerable information about the proposed development to the Town, including residential building envelopes, energy conservation measures, and technical studies. Because this is the largest residential development in Fairfax in decades, the Town anticipates that the project will receive substantial public attention, including opposition. Ascent is presenting the Town with an experienced team that is fully capable of addressing the many components of this project—housing development, open space, wildfire risk and fuels management, and public controversy.

Overall Approach

Ascent's overall approach is grounded in understanding three important needs of the project:

- Impartiality, credibility, and defensibility of the CEQA document and the CEQA process are vitally important.
- Key environmental issues include drainage impacts from development on the site and potential impacts from the Fire Management Plan and Vegetation Management Plan.
- Ultimately, the Marinda Heights Subdivision Project is more than 10 houses; it is a multifaceted project that requires comprehensive evaluation of all components under CEQA.

This section describes Ascent's overall approach to the project, with these three key concepts in mind.

Impartiality, Credibility, and Defensibility

Impartiality, credibility, and defensibility are key concerns for environmental review of the project; it is expected to be controversial, meaning the EIR will be subject to close scrutiny by Fairfax residents and others. The applicant has prepared numerous technical reports for submittal to the Town, and some of this information would be used to support the EIR analysis, after reviewing it for validity and usefulness.

Conflicts—real or perceived—can undermine public and agency confidence in the CEQA process. Because opposition to the project is expected, defensibility is paramount. The project's environmental analysis must be technically sound, credibly presented and supported, reflective of the Town's independent judgment as lead agency, and faithfully adherent to CEQA requirements.

The Ascent team has no conflicts of interest related to the project; we have discussed this requirement with our subconsultants as well to ensure they also do not have any actual or apparent conflicts. We also are attentive to the importance of confidentiality and integrity of the process. For example, we will communicate through Town staff, not sharing any documents with the project applicant or other third party without written consent from the Town. We will adhere to the Town's prescribed communication protocols with the applicant.

The Ascent team has an outstanding record of preparing defensible documents. Ascent principals are experts in CEQA compliance and have led and/or prepared more than 1,500 environmental documents. Many of those documents have been for projects that are highly scrutinized by the public, regulatory agencies, and potential project opponents. Our clients have sought our help on their most controversial or sensitive projects, or on projects requiring creative compliance approaches. While our documents have helped avert many litigation threats, opponents have filed lawsuits just because of their project objections, regardless of the quality of the environmental documents. The table below summarizes the outcome of litigation. The defensibility record of litigated environmental documents led by Ascent principals is exemplary. The Town of Fairfax can rely on Ascent to prepare a high-quality document with impartial analysis that adheres to CEQA requirements.

DEFENSIBILITY RECORD – CEQA AND NEPA DOCUMENTS LED AND/OR PREPARED BY ASCENT PRINCIPALS	
Lawsuits Settled and Withdrawn with Document Adequacy Sustained	
Medical Cannabis Cultivation and Commerce Ordinance Project EIR	County of Calaveras
Tahoe Vista Residential Project EIR	County of Placer/Tahoe Regional Planning Agency
California State Prison Fresno County – Coalinga EIR	California Department of Corrections and Rehabilitation (CDCR)
Foothill Ranch Planned Community EIR	County of Orange
Trabuco Hills High School Stadium EIR	Saddleback Valley Unified School District
Disneyland Resort EIR	City of Anaheim
Foothill Transportation Corridor EIR	Transportation Corridor Agencies of Orange County
Tasman Rail Transit Corridor Supplemental EIR	Santa Clara Valley Transportation Authority
Substance Abuse and Treatment Facility at Corcoran EIR	CDCR
Mossdale Landing EIR	City of Lathrop
River Islands at Lathrop EIR	City of Lathrop
California Health Care Facility (Stockton) EIR	CDCR
Buena Vista Biomass Power Plant EIR	County of Amador

DEFENSIBILITY RECORD – CEQA AND NEPA DOCUMENTS LED AND/OR PREPARED BY ASCENT PRINCIPALS	
Projects Concluded at Superior Court – Adequacy Upheld	
University of California, Davis, 2018 Long Range Development Plan EIR	County of Yolo
Southeast Policy Area Strategic Plan EIR	City of Elk Grove
Village at Squaw Valley Specific Plan EIR	County of Placer
Nishi Gateway Project EIR	City of Davis
Greenbriar Development Project EIR	City of Sacramento
Santa Clara Gardens Project/Bay Area Research and Extension Center (BAREC) Re-use EIR	City of Santa Clara/California Department of General Services
Condemned Inmate Complex, San Quentin State Prison EIR	CDCR
El Dorado County General Plan 2004 EIR	County of El Dorado
Las Flores Planned Community EIR	County of Orange
Disney Philharmonic Hall EIR	County of Los Angeles
KOA Campground – Shingle Springs EIR	County of El Dorado
Salinas Valley Water Project EIR/EIS	Monterey County Water Resources Agency
Fox Canyon Groundwater Recharge/Seawater Intrusion Project MND	United Water Conservation District
Atwater Wastewater Treatment Improvement Project EIR	City of Atwater
Projects Concluded on Appeal – Adequacy Upheld	
Tahoe Regional Plan Update EIS (Ninth Circuit Court of Appeals)	Tahoe Regional Planning Agency
California Prison Reception Center – Los Angeles County EIR	CDCR
San Marcos Landfill Expansion EIR	County of San Diego
California State Prison at Delano EIR	CDCR
Camp Wawona Master Plan EIR	County of Mariposa
Projects Concluded at California Supreme Court – Adequacy Upheld	
Walmart Distribution Center EIR	City of Merced
Day Creek Sand and Gravel Mining and Reclamation EIR	San Bernardino County

DEFENSIBILITY RECORD – CEQA AND NEPA DOCUMENTS LED AND/OR PREPARED BY ASCENT PRINCIPALS	
EIRs Overturned in Appellate Court	
Pierce's Disease Control Program EIR	California Department of Food and Agriculture
Upper Truckee River Restoration and Golf Course Reconfiguration EIR/EIS/EIS, Lake Valley State Recreation Area and Washoe Meadows State Park	California State Parks

Thorough and Comprehensive Evaluation of Drainage and Wildfire and Fuel Management Impacts

Ascent understands that two key environmental areas for evaluation in the EIR are impacts due to changes in drainage from the project and impacts from implementation of fire and vegetation management activities in the project area. With over 90 percent of the site proposed to be preserved as undeveloped, fire and vegetation management is an important long-term component of the project. Activities in the project area would likely include removal of all trees affected by sudden oak death, clearing of debris, and vegetation modification. In terms of drainage, grading and creation of impermeable surfaces can change runoff and result in off-site impacts. There is also anecdotal history of landslides, and the public has expressed concerns about drainage. The Town desires as close to zero change in the rate and volume of drainage from the project area as feasible.

Ascent has prepared or is currently working on several of California's most important and innovative contemporary environmental review programs for wildfire risk reduction, vegetation treatment, and streamlined delivery of fire fuel treatment projects. Ascent is uniquely positioned on the front lines of developing strategies to increase the pace, scale, and effectiveness of agency response to the state's wildfire crisis, which includes various project sizes from statewide to project level. We have prepared EIRs for large-scale forest management programs, including the Sacramento Metropolitan Fire District Community Wildfire Protection Plan and the Board of Forestry and Fire Protection's statewide California Vegetation Treatment Program (CalVTP) EIR. Our project team has recent experience in evaluating Timber Harvesting Plans (THPs), Non-Industrial Timber Management Plans (NTMPs), and CAL FIRE exemptions for efficient CEQA compliance strategies. Currently, Ascent is preparing a vegetation treatment project EIR for UC Berkeley to implement fire fuel reduction on the Hill Campus, which has been previously planted in non-native eucalyptus trees. We have conducted numerous studies for California land management and regulatory agencies, where fire fuel management was a primary objective or an objective integrated with habitat quality, biodiversity, and ecosystem restoration. Ascent's deep experience with these kinds of projects means the Town can trust that the Ascent team will be able to competently peer review applicant materials and draft a comprehensive evaluation of environmental impacts of fire and vegetation management, as well as effectively coordinate with the Ross Valley Fire Department regarding their requirements for fire protection.

Additionally, Ascent has the right combination of project experience to evaluate critical drainage issues and assess changes on- and off-site. Curtis E. Alling, AICP, principal-in-charge, has worked extensively in Marin County for decades, giving him valuable familiarity with environmental impact issues and public concerns that may arise. Project manager Kristi Black has experience with Bay Area hillside development, as well as a vegetation management project in Marin County. Fire and vegetation management task lead Lily Bostrom has substantial experience on fire fuel management and recreation projects, including projects in the Bay Area. Therefore, the Ascent team is led by staff with experience

dealing with all components of the project that may result in drainage impacts. As a result, these important issues will be clearly and comprehensively addressed in the EIR.

Recognition That the Project Is More Than Just a Housing Development

The applicant is applying for permits and other approvals to construct 10 single-family residences. However, the Marinda Heights Subdivision Project is much more than a housing development. As discussed, fire and vegetation management are significant elements of the project, as is close involvement by the Ross Valley Fire Department. The project includes three new public trail easements and, in places, substantial grading. As the largest residential development in Fairfax in decades, it will garner significant public attention. Some traditional urban development impacts may result in limited effects, such as increased traffic and a need for more public services; however, landscape impacts are of particular concern. The project could result in substantial impacts related to grading, drainage, removal of fire fuel, public access, scenic qualities, wildfire risk, and slope stability, which are impacts beyond those encountered with typical housing developments.

Ascent staff are experts in compliance with CEQA for all kinds of projects. As a firm, Ascent does not focus on any one type of project; we have many practice areas and staff who focus on a range of project types. As a result, our environmental compliance experience ranges far beyond urban planning; we understand construction-related impacts of infrastructure as deeply as we understand long-term impacts of home buildout. Our team has experience conducting CEQA review for residential projects, roadways, forest management, vegetation treatment, trails, and habitat restoration, all of which are part of the Marinda Heights Subdivision Project. As a result, the Town can be confident that the EIR will comprehensively evaluate the entire project and its impacts.

Project Management Approach

Our project management approach is to be part of the project team with Town staff. We will think and act in the best interests of the Town and will work shoulder to shoulder with the project team. Our project management approach is based on four principles:

- Active involvement of the senior management staff in strategic direction and preparation of the technical content
- Regular communication with Town of Fairfax staff and the Ascent team to keep the team informed and proactively address any project issues
- Clear, comprehensive, and concise environmental analysis
- Expert quality review and legal defensibility of environmental documents.

Our project manager, Kristi Black, is responsible for planning and controlling the execution of the work and schedule, and the principal-in-charge, Curtis Alling, has the authority to commit the company's resources to meet our quality and schedule objectives. The project manager is also responsible for close communications with the Town, which can include weekly status discussions in person or by telephone. Frequent communication with subconsultants is another critical responsibility of the project manager. Subconsultants are fully engaged and kept informed sufficiently in advance of project milestone deadlines to ensure timely delivery of their work products. This communication ensures early issue identification and resolution, as needed, to prevent schedule conflicts.

Maintaining Schedule

We understand the need to perform within fixed and challenging schedules. Ascent strives to understand the client's objectives and how the environmental process fits with other project needs and timelines. Further, we have demonstrated that we can deliver within narrow time frames, often on simultaneous projects. Scheduling and workload management systems at Ascent are designed to allocate resources to meet all client due dates, regardless of their timing or the number of deadlines within a given period. Specifically, the firm's scheduling and workload management systems employ several strategies, including software-driven (Deltek Vision), weekly schedule and workload management monitoring of technical, graphics, word processing, and production staff; long-range (3 to 6 months) staffing projections to secure availability; and critical path method and timeline scheduling for tasks and milestones. Using these proven strategies, Ascent has successfully completed numerous complex projects with demanding schedules that required attentive project management, coordination, and communication.

Delegation of Tasks

Thoughtful delegation of tasks is a key aspect of efficient project execution. Task delegation requires a management team that understands how to delegate and a competent team that can be trusted to do quality work. We have selected team members who have the skill, the capacity, and the standards to deliver the product needed. The team Ascent is presenting to the Town consists of experts in the field who have familiarity with issues and impacts that will arise on the project.

Ascent's project management team has been assembled to facilitate effective delegation of tasks. Curtis Alling, as principal-in-charge, will lead the team with CEQA expertise, significant Marin County experience, and current, leading-edge fire fuel management experience. Kristi Black, as project manager, will oversee the team's day-to-day activities, informed by her experience as a project manager for an array of projects and her experience with CEQA review of hillside development as well as a vegetation management project in Marin County. Lily Bostrom brings meaningful experience with CEQA review of fire and vegetation management and recreation planning projects and will lead that task. The project management team will be supported by Claudia Garcia as assistant project manager, who brings to the team her CEQA experience on urban development projects and strong organizational skills. A management team with significant organizational skills and subject matter expertise makes for effective delegation to technical experts on the Ascent team: the project management team will know what tasks can be delegated and to whom and will be able to provide a meaningful review of the technical side of the work product.

As examples of Ascent's technical proficiency, our atmospheric scientists, climate change/greenhouse gas specialists, air quality analysts, and sustainability planners are regarded as experts throughout California; the California Air Resources Board and the Bay Area Air Quality Management District (BAAQMD) are Ascent clients. We also offer a deep team of specialists that together have conducted numerous studies for California land management and regulatory agencies, where fire fuel management was a primary objective or an objective integrated with habitat quality, biodiversity, and ecosystem restoration. Our technical expertise is demonstrated by the fact that we regularly assist clients in the review of products of other document authors to improve quality and defensibility. We have helped clients to prepare reissued environmental documents after an agency's CEQA document, prepared by others, has been overturned in court. Ascent's in-house technical resources are supplemented by the specialized expertise of our subconsultants.

Quality and Cost Control

Ascent believes that quality control begins at project kickoff and carries through the entire document preparation process until deliverables are complete. Quality assurance is much more than simple principal report review prior to submittal. Strategies to achieve high quality are embedded throughout our projects from contract execution and preparation of the deliverable to production of the final work product. Our time-tested project management system is designed to ensure product quality as well as schedule and budget compliance. Central to our system are defined roles and responsibilities for each team member.

Our project manager, with support of the assistant project manager, will oversee and review all deliverables and will perform the following roles:

- Prepare for and hold an in-house project initiation meeting to clearly communicate team roles and responsibilities, project data and resources, schedule and budget information, and expectations for format, style, level of detail, and terminology consistency.
- Prepare project schedules and schedule updates.
- Hold internal project meetings or otherwise have frequent internal communication to support compliance with the project schedule and to keep the team informed of project updates.
- Communicate regularly with Town staff, subconsultants, technical specialists, and the principal-in-charge to understand and communicate expectations for deliverables.
- Review all products to ensure compliance with Town standards, the Ascent Style Manual (or Town-preferred style), and project management system procedures.

Analysts and authors, which include Ascent staff and subconsultant specialists, will perform the following roles:

- As part of project kickoff and prior to beginning project work, confirm project expectations and format for each product and gain an understanding of the project site and characteristics to ensure project elements are adequately evaluated.
- Coordinate with other discipline authors to ensure consistency between analyses, avoiding contradictory information or findings.
- Review comments provided by the project manager, principal, and other technical reviewers. Revise the section accordingly and record responses. Ensure with the reviewers that comments, corrections, and suggestions have been addressed in a way that still maintains technical accuracy.

Direct responsibility for project cost management is assigned to the project manager. The project manager is supported by an internal accounting and job-cost monitoring component of the Deltek Vision software, which is designed to provide detailed information to facilitate job-cost control. The system uses staff budgeting controls, and computer input from time records, invoices, and expense records. The following management tools and reports are provided regularly to the project manager:

- Employee person-hour reports (weekly, automatically generated)
- Job-cost reports (weekly, automatically generated)

- Billing summaries (monthly, automatically generated)

All invoices are reviewed and approved by the project manager and principal-in-charge before submittal to the client. Like quality assurance, cost control begins at project kickoff: Budget expectations are communicated to the entire environmental document preparation team via an in-house project initiation meeting.

Technical Review

Every work product is reviewed by senior technical staff and the project manager. Senior technical staff with appropriate knowledge review technical material produced by analysts. This approach ensures not only that the style and content of the document are accurate but that the approach, tone, and usefulness of the document meet client expectations and Ascent's established Style Guide. Technical reviewers of project documents will perform the following roles:

- Promote completeness and consistency with Town and other applicable environmental policies and ensure the document is sufficient to meet requirements.
- Provide recommendations on scope of issues to be addressed prior to the beginning of document preparation.
- Be proactively available during document preparation to discuss any technical items.
- Review documents for technical adequacy (methods, approach, assumptions, effects, and mitigation) within the subject area.
- Provide confirmation of satisfactory responses to substantive comments prior to finalization.

Subconsultant deliverables are thoroughly reviewed for completeness, technical accuracy, and quality by the appropriate Ascent team member. Clear direction and meaningful comments are provided such that final products meet the quality standards of Ascent and those of our client.

Schedule

The Ascent team will manage the project so that the schedule established at the beginning is maintained. The following table presents our project schedule for the EIR and other tasks recognizing a sense of urgency conveyed in the Town's request. At the project kickoff, we would coordinate with Town staff to determine if this schedule is feasible and, if not, make appropriate adjustments. Tasks referenced in this schedule correspond to tasks outlined in the scope of work. As indicated in the RFP, the schedule assumes at least 3 weeks for Town review and comment on the first administrative draft, 2 weeks for each of the two revised administrative drafts, and 1 week for each screencheck draft.

WORK PRODUCT/MILESTONE	ESTIMATED DATE
Receive Notice to Proceed	September 2019
Task 1: Kickoff Meeting and Review of Available Studies and Documentation	September 2019
Task 2: Project Description	September 2019

WORK PRODUCT/MILESTONE	ESTIMATED DATE
Task 3: Peer Review of Applicant-Prepared Studies	October 2019
Task 4: Technical Studies	October–November 2019
Task 5: Water Supply Assessment	October 2019
Task 6: Notice of Preparation	August–September 2019*
Task 7: Administrative Draft EIR	September–March 2020
Task 8: Public Review Draft EIR	May 2020
Conclude Draft EIR Public Review Period	July 2020
Task 9: Administrative Draft Final EIR	September 2020
Task 10: Final EIR for Publication	November 2020
Task 11: Draft CEQA Findings and Statement of Overriding Considerations	December 2020
Task 12: Mitigation Monitoring and Reporting Program	December 2020
Task 13: Notice of Determination	January 2021
Task 14: Meeting Attendance	September 2019–December 2020
* It is assumed that the Town will distribute the NOP in August and that Ascent will review NOP comments in September.	

Contract Exceptions

As of the submittal date of the proposal, the Town did not yet provide a copy of the contract to review. Ascent will review the contract, if awarded the work.

2 SCOPE OF WORK AND WORK PLAN

2 SCOPE OF WORK AND WORK PLAN

As requested in the RFP, this scope of work provides the Town with a project-level EIR and supporting information under CEQA. The EIR will evaluate environmental impacts, identify mitigation measures for significant impacts, evaluate alternatives, and contain all information necessary for an EIR. The EIR will support all Town approvals for the project.

Task 1: Kickoff Meeting and Review of Available Studies and Documentation

Task 1.1: Kickoff Meeting

Ascent's management team will attend a project kickoff meeting with Town staff to discuss the project history and background, identify and confirm project objectives, discuss areas of controversy and potential strategies, identify potential alternatives to the project or elements thereof, and establish communication and review protocols. We will also discuss the project schedule to confirm its feasibility or make appropriate, mutually agreeable adjustments. Ascent will prepare summary meeting notes to document discussions at the kickoff meeting.

Assumptions

- Ascent's project management team (principal-in-charge, project manager, and forestry/fire task manager) will attend the meeting at Town Hall.
- The meeting would be up to 4 hours.
- Because Ascent's project manager accompanied the Town and the applicant on a site visit during the July 23 project briefing, a site visit is not included in the kickoff meeting. However, site visits by specified technical experts are included in subsequent tasks of this scope of work.

Deliverables

- Summary meeting notes (Word and PDF)

Task 1.2: Review of Available Studies and Documentation

Ascent's technical leads and management team will gather and review available studies and documentation to collect information about the project area resources. We will coordinate with Town staff, County of Marin staff, and other relevant agencies to gather information. Technical information will be reviewed by the appropriate technical team member for adequacy.

Assumptions

- This task involves gathering and review of secondary information. Peer review of applicant studies will be performed in Task 3.

Deliverables

- Memo regarding adequacy of available secondary data and studies (electronic deliverable)

Task 2: Project Description

Ascent will review and format the project description for presentation in the EIR, based on information provided by the applicant and the Town. At the July 23 project briefing, the Town indicated that substantial work has been completed on the project description. Therefore, this task is limited to additional time to incorporate changes that may be made during the CEQA review process as well as to produce a project description and figures in a format consistent with the remainder of the CEQA document. Potential changes that could be needed in the project description include forest management practices proposed in the applicant-prepared Vegetation Management Plans. Ascent will obtain approval of the revised project description from the Director of Planning and Building Services prior to moving forward with environmental analysis. Once approved, the project description will be included in the Administrative Draft Environmental Impact Report (Task 7) for broader Town staff review.

Assumptions

- This task includes up to 20 hours of time to revise and format the project description.

Deliverables

- Revised administrative draft project description (electronic deliverable)

Task 3: Peer Review Applicant-Prepared Studies

Ascent and its subconsultants will peer review applicant-prepared studies and documentation for the project. The Town highly values and CEQA requires independent analysis of the project impacts. Ascent and its subconsultants will conduct a rigorous peer review of applicant-prepared technical studies (as listed in Subtask 1.2) to ensure the use of accurate and complete information in the CEQA process. As part of this peer review, Ascent will also identify any additional data that is needed from the applicant or in the technical studies listed in Task 4. Brief memoranda will be prepared with comments on applicant studies. Ascent and its subconsultants, as noted, will review:

- Vesting Tentative Map plan set and plan sets for residences (Ascent)
- Archaeological Evaluation (Natural Investigations)
- Wildlife and Botanical Biological Site Assessments (Ascent)
- Geotechnical Investigation Report (Herzog Geotechnical)
- Hydrology Study and Drainage Calculations (CSW/Stuber-Stroeh Engineering Group)
- Traffic Impact Study (Parisi Transportation Consulting)
- Vegetation Management Plans (Ascent and Wildland Resource Management)
- Tree Protection/Removal Plans (Ascent)
- Visual Resources Study (2M Associates)
- Planning Application Form (Ascent)
- Initial Study (Ascent)
- Fire Protection Plan (Wildland Resource Management)

Assumptions

- Up to 12 total studies, plan sets, or reports will be reviewed, which are expected to be those listed above.
- Herzog Geotechnical will conduct a geologic reconnaissance site visit; no independent subsurface exploration is included.

Deliverables

- Memoranda regarding adequacy of each item (electronic deliverable)

Task 4: Technical Studies

The following technical analyses will be conducted to support EIR preparation under Task 7.

Task 4.1: Cultural Resources

The applicant's recent archaeological evaluation involved a records search and surveys of home sites. Peer review, as described in Task 3, will be conducted for the report to verify accuracy and completeness. Ascent's subconsultant, Natural Investigations, will prepare a supplemental cultural resources report to augment the applicant's report to cover additional impact areas and to update information:

- Natural Investigations will contact the Native American Heritage Commission (NAHC) to review the Sacred Lands File to determine if any listed Native American sacred lands are located within or adjacent to the project area.
- Natural Investigations will conduct a paleontological records search at the University of California Museum of Paleontology.
- Natural Investigations will conduct an intensive pedestrian survey of up to 80 acres in areas of the project site that have not been surveyed and that may be subject to disturbance, such as unsurveyed portions of building areas, fuel/fire breaks, water tank site, and trails. Archaeologists will conduct the survey utilizing pedestrian transects spaced at maximum intervals of 15 meters, covering all portions of the project area. Areas which are inaccessible due to dense vegetation, unstable geologic conditions, or other obstructions will be surveyed at a reconnaissance level, typically at 20- to 40-meter transects.

Upon completion of the literature review, UCMP and NAHC search, and pedestrian survey, Natural Investigations will prepare a supplemental cultural resources technical report. The report will document the results of the literature review, UCMP and NAHC search, and field survey, as well as provide management recommendations for resources within or near the project area. The report will meet the Secretary of the Interior's Standards and Guidelines and will follow Archaeological Resource Management Reports: Recommended Contents and Format Guidelines.

Assumptions

- The cultural resources survey will be negative for prehistoric and historic resources.
- No testing or excavation will be conducted. Nor will any artifacts, samples, or specimens be collected during the survey.

- The records search conducted by the applicant was conducted recently and covered the whole property and a 1-mile buffer; therefore, an updated records search is not necessary.

Deliverables

- Supplemental cultural resources technical report (electronic deliverable)

Task 4.2: Visual Resources Technical Report

2M Associates, as a subconsultant to Ascent Environmental, will conduct field studies and prepare photo simulations, which will be described and analyzed in a visual resources technical report for the project. 2M Associates will document the baseline visual conditions at the site and surround landscapes and identify key public viewpoints in coordination with the Town. Four of the key viewpoints would be selected for photo simulations depicting the project at completion and after 5 years with mitigation. It is presumed at least one of these key viewpoints would be from Marinda Drive. If the modeling of residential structures provided by the applicant is still accurate, it will be used for the simulations. If updated modeling is needed, Ascent will create updated architectural models using SketchUp. The visual resources technical report will be prepared to describe baseline visual conditions, impact evaluation criteria including related Town policies, impacts with simulations of the project, and mitigation actions that would minimize impacts.

Assumptions

- Visual simulations will be created for four public viewpoints.

Deliverables

- Draft and final visual resources technical report (electronic deliverable)

Task 4.3: Biological Resources

Ascent will prepare a biological resources technical memo to augment and update the applicant-prepared materials. Ascent will obtain current information from statewide databases that contain specific information on previously documented special-status species occurrences on or near the project site and Fairfax, including the California Natural Diversity Database (CNDDB) and the California Native Plant Society's (CNPS) Electronic Inventory of Rare and Endangered Vascular Plants. This database search will look at a larger surrounding area than the previously prepared biological site assessments to ensure consistency with resource agency guidelines.

Based on review of technical information submitted and information obtained from existing sources, a qualified biologist will conduct a targeted reconnaissance survey of the project site to confirm information presented in applicant-prepared reports is accurate and of sufficient detail to prepare a project-level analysis. For instance, the site reconnaissance survey will be used to confirm whether wetlands or other aquatic resources are absent from the project site as indicated in the biological site assessments. While the assessments conclude there is no aquatic habitat, a letter from the Town of Fairfax Open Space Committee suggests there are springs, seeps, or springs; this should be verified during the reconnaissance survey

The potential presence of any plant, animal, or habitat considered sensitive, threatened, endangered, or otherwise unique by the Town of Fairfax, U.S. Fish and Wildlife Service (USFWS), or California Department of Fish and Wildlife (CDFW) will be evaluated. It is understood that the applicant's biologists have conducted protocol-level special-status plant and sensitive natural community surveys, and the results of these surveys will be incorporated into the EIR. Particular consideration will be given

in the impact analysis to the effects of tree removal and loss and fragmentation of woodland habitat. Feasible and practical mitigation measures that would avoid and/or minimize potentially significant impacts on biological resources resulting from project implementation, such as construction management practices, avoidance measures, and/or long-term management strategies, will be identified in the EIR. All mitigation measures will be designed in conformance with resource agency requirements and Town of Fairfax General Plan policies and objectives.

Assumptions

- If potential wetlands are located, additional scope and budget would be needed for a wetland delineation.

Deliverables

- Draft and final biological resources technical memorandum (electronic deliverable)

Task 5: Water Supply Assessment

Ascent does not anticipate that a Water Supply Assessment (WSA) will be required under SB 610. Under California Water Code Section 10912, a WSA is required for residential developments with more than 500 dwelling units or a project that would demand the equivalent amount of water or more water than a project with 500 dwelling units. Additionally, where a public water system that serves the development has fewer than 5,000 service connections or for a project that would increase in 10 percent or more of the connections or increase water demand by an equivalent amount, a WSA is required. The project would not meet either threshold; therefore, a WSA is not anticipated. Nonetheless, CEQA requires evaluation of water supply and whether water supply would be sufficient for the project. A WSA would typically provide this evaluation.

Ascent will prepare a memo (1) documenting that a WSA is not required and (2) analyzing water needs of the project. This memo would support the EIR analysis of adequacy of water supply. To draft the memo, Ascent will review relevant water supply plans and analyze water supply adequacy over the long term in a variety of water years.

Assumptions

- A WSA is not required.

Deliverables

- Draft and final water supply memorandum (electronic deliverable)

Task 6: Notice of Preparation (Review Comments)

Ascent will review comments received in response to the Notice of Preparation (NOP). We understand that, due to the project and contract award schedule, the Town intends to prepare and distribute the NOP prior to contract award. Ascent will review comments received and will prepare a memorandum on environmental issues raised in the comments that should be and may not need to be addressed in the EIR for review by the Town. After receiving Town input, these topics will be distributed to EIR section authors to inform the content of the EIR (Task 7).

Assumptions

- The Town will prepare and distribute the NOP.
- The Town will provide Ascent with all comments received in response to the NOP.

Deliverables

- Draft summary review of NOP comment topics (electronic deliverable); revised version will be included in the Administrative Draft EIR

Task 7: Administrative Draft EIR

Task 7.1: Environmental Constraints Map and Analysis

Ascent will prepare a map that identifies environmental constraints on the project site. Key sensitive environmental resources will be identified, such as areas with sensitive habitat and known cultural resources. The map will be used for agency (e.g., Ross Valley Fire Department) and applicant consideration, so that agencies can understand constraints and so that the applicant may consider avoidance if the project would impact those constraints. The constraints map will include:

- Existing development
- Proposed development
- Unstable slopes
- Sensitive vegetation communities
- Water features, including wetlands
- Special-status species locations
- Protected areas, such as archaeological features
- Ridgelines
- Topographic contours

The constraints map will use publicly available data (e.g., data from MarinMap or the CNDDB), as well as project-specific data developed in Tasks 3 and 4.

Assumptions

- The constraints map will be produced in a poster size.

Deliverables

- Draft and final constraints map (electronic draft; electronic deliverable and hard copy final [5 copies])

Task 7.2: Administrative Draft EIR

For purposes of this task, it is assumed that a project-level EIR (CEQA Guidelines Section 15161) will be prepared for CEQA compliance. The EIR will adhere to all CEQA requirements and, while it will address all environmental topics outlined in the CEQA Guidelines, it will focus on resource categories for which significant impacts could occur. The EIR will include the following chapters:

Executive Summary

The executive summary will include an overview of the project, project sponsor, alternatives evaluated (shown in a comparison matrix), the environmentally superior alternative, areas of controversy and issues to be resolved, project impacts and mitigation measures (with an indicator of level of significance before and after mitigation), and monitoring proposed.

Introduction

The introduction will describe the purpose of the EIR and will outline the EIR contents. It is also expected to contain a discussion of public involvement in the CEQA process.

Project Description

The project description will be generated as part of Task 2 and will be included in the Administrative Draft EIR once approved by the Director of Planning and Building Services.

Environmental Setting, Impacts, and Mitigation Measures

Each environmental resource section will include a description of the environmental setting within the resource-specific study area (i.e., the baseline environmental conditions), regulatory setting (i.e., federal, state, and local regulations), criteria used to determine the significance of impacts, analysis methodology and assumptions, and detailed discussion of the potential environmental effects of the project. This will include the individual direct and indirect effects from project implementation as well as any impacts that occur due to mitigation implementation. Technical studies (Tasks 3 and 4) will be summarized in the environmental issue area sections of the EIR in a manner that will be understandable to the public and decision-makers.

An initial list of key issues was provided in the RFP. The EIR would evaluate all necessary topics under CEQA and would also take into consideration comments received during scoping. It is anticipated that, at a minimum, the following environmental issues will be evaluated in greater detail in the EIR because they are key issues:

- Aesthetics: Relying mainly on visual simulations produced under Task 4, this section will evaluate changes to public views from key vantage points as to whether the project would substantially degrade the existing visual character or quality. The analysis will consider baseline conditions of visual character and quality and will consider whether the new homes in tandem with vegetation modification may result in an adverse change to visual character and quality. The assessment will also consider whether the proposed homes would result in nighttime lighting and daytime glare impacts from new lighting and new reflective surfaces, respectively. 2M Associates will provide input on the impact analysis.
- Air Quality: Ascent will conduct the air quality impact analysis pursuant to guidance in the BAAQMD (2017) CEQA Air Quality Guidelines, which were developed with assistance from Ascent's air quality specialists. Ascent will consult with BAAQMD regarding specific concerns. The EIR analysis will take into account existing sensitive receptors (e.g., the neighborhood of single-family homes adjacent to the project site, Manor Elementary School, Ross Valley Charter School) and air quality. Ascent will use the California Emissions Estimator Model (CalEEMod) to estimate construction and operational emissions of criteria air pollutants and precursors. It is anticipated that construction emissions will be heavily influenced by construction phasing and duration, grading intensity, and cut and fill transport. Ascent will also discuss fugitive PM_{10} and $PM_{2.5}$ emissions generated by grading and other ground-disturbing activities. For project buildout, in addition to emissions typical

for residential development (i.e., vehicle trips, indirect emissions from electricity and natural gas use, landscape maintenance activities), the analysis will consider emissions from fire fuel reduction treatment activities such as mechanical and manual vegetation thinning and herbicide application. All modeling results will be compared to BAAQMD-established daily mass emission thresholds. If the modeling results indicate that these daily mass emission thresholds could be exceeded, Ascent will develop project-specific mitigation measures to reduce construction-related emissions.

- **Biological Resources:** Using information from Tasks 3 and 4, Ascent biologists will assess potential direct, indirect, and cumulative impacts on biological resources that could result from proposed development of the project. Biologists will base the analysis on firsthand knowledge of local and regional biological resources issues and thorough review and analysis of previously completed documents that address biological resources on the project site and in the surrounding area, including botanical and wildlife site assessments conducted during 2016 and 2017 on behalf of the applicant, the Marin Countywide Plan, and the Town of Fairfax General Plan. Measures would be formulated to avoid any construction impacts, such as disturbance of nesting birds, as well as long-term impacts due to vegetation management.
- **Cultural Resources:** Relying on the technical reports described in Tasks 3 and 4, this section will evaluate possible impacts to cultural resources. Ascent will also assist the Town with AB 52 consultation, including preparing an initial consultation letter for the Town to distribute to tribes. Ascent will also provide the Town with guidance through consultation, if consultation is requested by a tribe. Potential impacts to paleontological resources will also be evaluated in this section. Natural Investigations will provide input on the analysis.
- **Geology and Hydrology:** Relying on peer-reviewed information described in Task 3 as well as information gathered by Ascent, this EIR section will contain an analysis of geology and hydrology impacts. The site is steeply sloped, with most of the site having over 40 percent slope. The Town has noted anecdotal reports of slides, and an active slide was observed during the site visit. Additionally, as previously discussed, site drainage has been identified as a key environmental concern and likely public concern. It is therefore anticipated that a focus of the impact analysis will be exacerbation of existing geologic hazards, such as slope instability, and changes to drainage patterns that may result in off-site impacts. The analysis will also evaluate sedimentation, stormwater treatment, and the potential for on-site containment of stormwater to minimize off-site runoff. Herzog Geotechnical and CSW/Stuber-Stroeh Engineering Group will provide input on the analysis.
- **Greenhouse Gases:** Ascent will estimate construction- and operation-related greenhouse gas (GHG) emissions associated with the project using CalEEMod. The change in vegetative forms of carbon sequestration will be estimated based on default sequestration rates in CalEEMod and any information provided by the Town or the applicant about the number and types of trees that would be removed from the site. The analysis will evaluate the project's consistency with California's GHG reduction goals and related regulations and policies, and with significance thresholds recommended by BAAQMD and the California Air Resources Board (CARB) for determining whether project-generated GHG emissions would be a cumulatively considerable contribution to the global impact of climate change. Ascent will consult with BAAQMD regarding specific concerns. Ascent will also assess the project's consistency with Plan Bay Area 2040, which is the region's Sustainable Communities Strategy, and with the Town's 2014 Climate Action Plan.

- **Land Use:** The land use section will identify planning and zoning designations of the parcels and the jurisdictional boundaries. The analysis will satisfy CEQA Guidelines Section 15125(d), which requires that an EIR discuss inconsistencies between the proposed project and the applicable general plan. The section will contain an assessment of whether the project is consistent with all relevant Town of Fairfax 2010–2030 General Plan policies. The analysis will also contain a review of the Zoning Ordinance, Fairfax Open Space Committee policies, and Fairfax Tree Committee policies.

  Ascent will also evaluate impacts related to land use; from a CEQA perspective and consistent with the updated CEQA Guidelines, impacts related to land use are those that occur as a result of a conflict with a land use plan, policy, or regulation. Therefore, the EIR will contain an evaluation of whether the project would result in any conflicts with the Town of Fairfax 2010–2030 General Plan and, then, whether that conflict would result in any physical impacts. The land use section will also contain an evaluation of compatibility of the project with surrounding land uses and the broader community.

- **Public Services:** The EIR will contain an evaluation of impacts related to public services, including fire protection, that may result from provision of service to new residents of the project or increased hazards risks that result from the project. A social and economic discussion will be included, but it will be limited to concluding there would be no significant fiscal impacts related to providing additional public services.

- **Recreation and Open Space:** Even though the project area is privately owned land, the current configuration of the site has paths and roads that are used by the public for walking, running, and other recreation-type activities. The project would involve three new trail easements that would be open to the public. The EIR will contain an analysis of impacts of the project on use of these facilities over baseline and their physical effects.

- **Traffic and Transportation:** The EIR will contain an evaluation of impacts to service levels of roadways and the consistency of the resulting level of service with the minimum levels of services listed in the Town of Fairfax 2010–2030 General Plan. It is anticipated, due to existing performance of affected intersections, that level of service (LOS) impacts would not be significant. Parisi Transportation Consulting will prepare a vehicle miles traveled (VMT) assessment for the project based on the estimated vehicle trips and use of results from the Transportation Authority of Marin's travel demand model. The project's VMT per capita will be compared with townwide and countywide VMT estimates. The traffic section will analyze the potential change in vehicle miles traveled; significance will be determined against an appropriate threshold determined in coordination with the Town. The EIR will also discuss any potential impacts to emergency access for emergency vehicles. Parisi Transportation Consulting will also provide input on the EIR section.

- **Utilities and Service Systems/Water Supply:** Utility providers may include the Marin Municipal Water District, the Ross Valley Sanitary District, and Pacific Gas & Electric. Supported in part by the information developed in Task 5, the EIR will contain an evaluation of impacts to water supply. The assessment will also evaluate whether water infrastructure would be adequate to support firefighting activities; coordination with the Fire Department will inform this analysis. Capacity of other utilities will also be evaluated for their adequacy to serve the project site, including wastewater. The EIR will evaluate physical impacts of providing these services to the proposed homes. In addition to utility capacity, the EIR will evaluate the potential for construction activities to interrupt utility service to other homes.

- **Wildfire:** The project site is listed as having a very high fire risk and is in a high fire severity zone. Constructing in these areas poses the risk of starting a wildfire and, once built out,

homes often can exacerbate existing fire vulnerability. The project will also involve vegetation management activities aimed in part at reducing fire hazards on-site. With Wildland Resource Management's assistance, the EIR will include an analysis of wildfire hazards taking all these elements into account. Additional vegetation treatment measures may be recommended, as may additional fire protection measures. It is anticipated that significant coordination with the Fire Department will be included in this task so that measures will meet department standards.

The EIR will evaluate the full range of CEQA topics, but the remaining topics are anticipated to require a less detailed analysis than those listed above:

- Agriculture and Forestry Resources: There are no FMMP-designated agricultural lands in the project area, and the site is not used for forestry or timberland. Therefore, the EIR analysis will be limited to providing enough documentation to support a "no impact" conclusion.
- Energy: Construction of the project and initial vegetation management activities would require the one-time use of energy and fuels. Following buildout, the homes and ongoing vegetation management activities would be a new ongoing use of energy. In accordance with the recently revised CEQA Guidelines, the energy section of the EIR will contain an evaluation of energy use by the project. The analysis will consider compliance with building codes as well as measures incorporated into the project by the applicant.
- Hazards and Hazardous Materials: It is not anticipated that any unusual hazardous substances would be used for the project; rather, typical substances such as fuels and oils would be used during construction. Typically, adherence to laws and regulations is sufficient for safety. Queries of EnviroStor and GeoTracker returned no existing hazardous materials sites or facilities. Because of Marin County's geology and a nearby outcrop of serpentinite, it is plausible that excavation may encounter naturally occurring asbestos. Therefore, it is anticipated that this section will focus on standard hazardous materials practices to ensure worker safety during project construction.
- Mineral Resources: The project area is not used for mineral extraction and is zoned for residential use. The EIR evaluation will be limited to providing enough documentation to support a "no impact" conclusion.
- Noise: The EIR will include a discussion of noise fundamentals and descriptors and identification of applicable regulations, including the Town's noise control ordinance and General Plan Noise Element. Existing conditions will be described qualitatively based on review of aerial photographs and environmental documentation. Although Section 8.20.070 of the Fairfax Town Code exempts construction noise from the Town's exterior noise limits, given the topography of the project site and proximity to nearby sensitive receptors, Ascent recommends including a quantitative analysis of the project's construction noise impacts to assess their environmental impact. Ascent will use published reference noise levels for typical construction equipment and standard attenuation rates based on calculation methods recommended by Caltrans and the Federal Transit Administration to estimate project-generated construction noise levels at nearby sensitive receptors. A qualitative analysis will be included that discusses potential amplification due to the hilly nature of the surrounding area.
- Population and Housing: The project would induce growth insofar as it would provide housing for additional people in Fairfax. However, it is not anticipated that the project

would result in other indirect growth that would result in a significant environmental impact beyond those that would be addressed by resource topic.

Alternatives

The following alternatives would be evaluated in the EIR, in addition to one additional alternative:

- No Project Alternative
- Mitigated Project Design Alternative
- Reduced Intensity or Reconfigured Development Alternative
- Different Home Site Location Alternative (up to two different sites)

Alternatives will be developed in coordination with Town staff. CSW/Stuber-Stroeh Engineering Group, as a subconsultant to Ascent, can also help define different home site locations. Alternative impacts will be addressed and quantified in a manner like the project and will be compared to project impacts. The alternatives analysis will have a matrix that compares impacts. An environmentally superior alternative will be identified.

Other CEQA Sections

CEQA has very specific requirements for the contents of an EIR. Ascent will provide the Town with a complete EIR, containing all sections required by CEQA, including the following:

- **Significant Environmental Effects Which Cannot Be Avoided.** This section will clearly and succinctly summarize significant and unavoidable environmental effects of the proposed project as evaluated in the EIR (pursuant to CEQA Guidelines Section 15126.2[b]).
- **Growth-Inducing Impacts of the Proposed Project.** This section will qualitatively evaluate the project's potential to induce growth and subsequent environmental impacts that would occur (pursuant to CEQA Guidelines Section 15126.6[d]).
- **Significant Irreversible Environmental Changes.** This section will identify significant and irreversible environmental changes, such as use of nonrenewable resources (pursuant to CEQA Guidelines Section 15126.2[c]).
- **Cumulative Impacts.** Ascent will evaluate the impacts of cumulative development and activities on all the resource issues evaluated in the EIR. Ascent will use the Marin County Community Development Agency's PROPDEV 45, supplemented by updated information from the Town and Marin County, to develop a list of projects to use in the cumulative impacts analysis (pursuant to CEQA Guidelines Section 15130).
- **References and Persons Consulted and Report Preparers.** The EIR will identify agencies, organizations, and individuals consulted during EIR preparation. It will also list those who prepared the EIR (pursuant to CEQA Guidelines Section 15129).

Based on comments from Town staff on the Administrative Draft EIR, Ascent and our technical subconsultants will prepare a second Administrative Draft EIR for Town review in track changes (underline/strikeout). Ascent will also prepare a third Administrative Draft EIR that addresses any Town comments on the second Administrative Draft EIR for Town review in track changes.

Assumptions

- The Town's comments on administrative drafts will not necessarily be compiled or reconciled; the budget includes time for Ascent to compile comments and work with the Town to reconcile any conflicting comments.
- The EIR will contain up to 20 color maps.
- The Town will lead AB 52 consultation, as California Native American tribes often prefer government-to-government consultation rather than working directly with a consultant.
- For air quality, Ascent will qualitatively assess exposure of existing sensitive receptors to project-related toxic air contaminants and odors. No dispersion modeling or calculations will be performed as part of this analysis.
- Ascent will provide materials referenced in the EIR to the Town upon the Town's request; this task does not, however, include preparation of a CEQA administrative record.
- The Town will distribute the administrative and screencheck drafts for review to internal reviewers.
- Town comments relevant to the work of other consultants will be submitted to other consultants to the extent deemed appropriate in coordination with the Town. Ascent will inform the Town of comments that may be relevant to other consultants prior to sharing with other consultants.

Deliverables

- Administrative Draft EIR (10 hard copies with appendices on CD or USB, electronic files)
- Two revised Administrative Draft EIRs (10 hard copies with appendices on CD or USB, electronic files)
- One screencheck Draft EIR (2 hard copies with appendices on CD or USB, electronic files)

Task 8: Public Review Draft EIR

Based on comments from Town staff on the third Administrative Draft EIR, Ascent and our technical subconsultants will prepare a public Draft EIR for the Town to release. This scope of work assumes that comments will not require analysis of new issues or substantially revised analysis of issues already addressed in the third Administrative Draft EIR. We will also prepare the Notice of Availability (NOA) for the Town to distribute and post. Ascent will submit the Draft EIR to the State Clearinghouse with a Notice of Completion (NOC) on behalf of the Town.

Assumptions

- The Town will distribute and publish all notices. Ascent will submit the Draft EIR to the State Clearinghouse.

Deliverables

- Draft EIR (50 hard copies, 10 CDs, electronic files)
- State Clearinghouse delivery package (one NOC, 15 USB drives of full document and summary form, 15 hard copies of summary form)
- NOA (electronic deliverable)

- NOC (electronic deliverable)
- Proof of Delivery to State Clearinghouse (stamped NOC)

Task 9: Administrative Draft Final EIR

Ascent and our technical subconsultants will coordinate with Town staff, who will assemble public and agency comments received on the Draft EIR. Responses to these comments will be prepared and presented in a format to accompany the document.

Assumptions

- The responses are assumed to require only clarification and/or explanation of the conclusions in the Draft EIR without the need to revise or add analysis, elaborate substantially, or add new issues or alternatives.
- The Town's comments on administrative drafts will not necessarily be compiled or reconciled; the budget includes time for Ascent to compile comments and work with the Town to reconcile any conflicting comments.
- No additional color maps or graphics will be needed.
- The Town will distribute the administrative and screencheck drafts for review to internal reviewers.
- Town comments relevant to the work of other consultants will be submitted to other consultants to the extent deemed appropriate in coordination with the Town. Ascent will inform the Town of comments that may be relevant to other consultants prior to sharing with other consultants.

Deliverables

- Administrative draft Final EIR (10 hard copies with appendices on CD or USB, electronic files)
- Two revised administrative draft Final EIRs (10 hard copies with appendices on CD or USB, electronic files)
- One screencheck draft Final EIR (2 hard copies with appendices on CD or USB, electronic files)

Task 10: Final EIR for Publication

Upon receiving comments on the administrative Final EIR from the Town, Ascent will generate the Final EIR for Town distribution.

Deliverables

- Final EIR (50 hard copies, 10 CDs, electronic files)

Task 11: Draft CEQA Findings and Statement of Overriding Considerations

Ascent will prepare draft CEQA Findings and, if needed, a statement of overriding considerations, for project approval by the Town. The CEQA Findings will consist of the information required by CEQA, including findings of fact regarding each potentially significant environmental impact, mitigation measures, significance after mitigation, disposition of alternatives, and statements of overriding consideration (if necessary). Upon receiving comments on the draft CEQA Findings, Ascent will generate the final version of the CEQA Findings and, if needed, statement of overriding considerations.

Assumptions

- Ascent will respond to one round of comments on the draft CEQA Findings and Statement of Overriding Considerations.

Deliverables

- Draft and Final CEQA Findings and statement of overriding considerations (electronic deliverables)

Task 12: Mitigation Monitoring and Reporting Program

Ascent will prepare a draft and final mitigation monitoring and reporting program (MMRP). The MMRP will include all mitigation measures in the EIR and will identify timing, responsible party, and performance standards. Ascent will prepare a draft MMRP for Town review. Ascent will prepare a final MMR that incorporates any Town comments.

Assumptions

- Ascent will respond to one round of comments on the draft MMRP.

Deliverables

- Draft and final MMRP (electronic deliverables)

Task 13: Notice of Determination

Ascent will prepare a Notice of Determination (NOD) that will be submitted to the County Clerk if and when the project is approved. Ascent will prepare a draft NOD for Town review. Ascent will also prepare a final NOD that incorporates any Town comments for submittal to the Marin County Clerk.

Assumptions

- The Town will submit the NOD to the County Clerk and will pay the California Department of Fish and Wildlife and County Clerk filing fees ($3,271.00 and $50.00, respectively, at the time of preparation of this proposal).
- The NOD will use Appendix D of the CEQA Guidelines.

Deliverables

- Draft and final NOD (electronic deliverables)

Task 14: Meeting Attendance

Ascent will attend public meetings and hearings, as well as coordination meetings/conference calls with Town staff.

Subtask 14.1: Public Meetings and Hearings

Ascent will attend up to five public meetings and hearings associated with the project: scoping meeting, Draft EIR public comment meeting, Planning Commission meeting, Town Council meeting. The Town will lead and coordinate the meetings, but Ascent will be available to answer questions and assist with hosting meetings. Ascent will also take meeting notes.

Assumptions

- Five public meetings and hearings are included at up to 4 hours per meeting.
- The Ascent project manager and principal-in-charge will attend each of the public meetings.
- The scope does not include court reporter/transcription of meetings.

Deliverables

- Summary meeting notes (electronic files)

Subtask 14.2: Meetings with Town Staff

Ascent will participate in up to four additional meetings with Town staff at the Town's request. The meetings may also involve the project applicant or others. The meetings will be held as part of the CEQA process (for example, to review comments on administrative draft documents or to prepare for a public meeting). Ascent will prepare summary meeting notes. Ascent will also participate in up to 10 conference calls with Town staff to maintain project coordination.

Assumptions

- Four meetings are included at up to 4 hours per meeting.
- Up to 10 conference calls for coordination with Town staff, 1 hour per call
- The Ascent project manager and one other Ascent staff will attend each meeting or call.

Deliverables

- Summary meeting notes (electronic deliverable)

3 PROJECT TEAM AND KEY PERSONNEL

3 PROJECT TEAM AND KEY PERSONNEL

Ascent's team has been carefully selected to provide the Town of Fairfax with the most qualified and locally experienced environmental specialists and technical experts necessary to complete a streamlined, defensible EIR for the Marinda Heights project.

Project Team

The project management team will be led by Curtis E. Alling, AICP, who will serve as the principal-in-charge. Curtis, a principal of Ascent Environmental, will provide overall quality assurance and strategic guidance. Kristi Black, JD, will serve as the project manager and will manage the team of Ascent staff and subconsultants, lead the coordination of the work, and serve as the day-to-day point of contact for Town staff. Kristi has extensive experience in CEQA and NEPA compliance, mainly for public agency clients and for infrastructure and energy development projects.

This team will be supported by other technical experts from Ascent, Herzog Geotechnical, Parisi Transportation Consulting, Natural Investigations, 2M Associates, CSW/Stuber-Stroeh Engineering Group, and Wildland Resource Management. An organizational chart depicting the structure of the team is presented below, followed by brief biographies of key staff.

Ascent Environmental, Inc.

Ascent is a forward-thinking environmental, planning, and natural resources consultancy headquartered in Sacramento with offices in Oakland, Lake Tahoe, and San Diego. Ascent was launched in January 2010 to provide clients with premier CEQA and NEPA compliance services. The firm has grown to a staff of approximately 90 professionals who provide comprehensive environmental and planning services: CEQA and NEPA compliance, community planning, land planning, natural resources, strategic regulatory guidance and permitting, climate change/GHG analysis, sustainability planning, historic preservation, outdoor recreation planning, air quality and noise analysis, and GIS. We are focused on our passion: supporting our clients and bringing high-level thought leadership to the environmental and planning industry.

Assisting clients with the complexities of environmental approvals is the cornerstone of Ascent's services. We integrate planning and environmental review with years of experience in project implementation to develop an effective and streamlined approach to regulatory compliance. We make it our business to stay informed about the ever-evolving requirements of our environmental planning practice, including published CEQA case law, changes to the CEQA Statutes and Guidelines, and other laws and regulations. Ascent principals have been directly involved in CEQA legislative review and guidelines development. We regularly instruct and give presentations for the UC Davis Extension Program, APA, AEP, and client agencies on CEQA practice, case law updates, and other topics.

Ascent is an equal opportunity employer and makes employment decisions on the basis of merit. We want to have the best available people in each and every position. Ascent is committed to providing a work environment free of harassment, discrimination, retaliation, and disrespectful or other unprofessional conduct based on race; religion (including religious dress and grooming practices); color; sex/gender (including pregnancy, childbirth, breastfeeding, or related conditions, medical or otherwise), sex stereotype, gender identity/gender expression, transgender (including whether one is transitioning or has transitioned), and sexual orientation; national origin (including language use

restrictions and possession of a driver's license issued to persons unable to prove their presence in the United States, which is authorized under federal law [Vehicle Code Section 12801.9]); ancestry; physical or mental disability; medical condition; genetic information/characteristics; marital status/registered domestic partner status; age (including those age 40 and over); military and veteran status; and any other basis protected by federal, state or local law or ordinance or regulation.

Ascent also prohibits discrimination, harassment, and disrespectful or unprofessional conduct based on the perception that anyone has any of those characteristics or is associated with a person who has or is perceived as having any of those characteristics. In addition, Ascent prohibits retaliation against individuals who raise complaints of discrimination or harassment or who participate in workplace investigations. All such conduct violates company policy.

Subconsultants

Herzog Geotechnical

Craig Herzog founded Herzog Geotechnical to continue the professional and service standards developed by the Herzog family geotechnical firm since 1972. The firm's professionals have extensive geotechnical experience and have earned an admirable reputation for practicality and for completing projects on time and on budget. These projects include roadways and bridges, commercial and public buildings, hillside developments, water treatment facilities, pipelines, and dams and levees. At Herzog Geotechnical, work is performed by senior professionals with the education, training, experience, and authority to provide timely answers. When prompt decisions are required to keep a project under way, their professionals are capable of making those decisions. Findings and documents are reviewed by senior personnel for accuracy and completeness prior to submittal.

Parisi Transportation Consulting

Parisi Transportation Consulting is a transportation planning and traffic engineering firm located in Sausalito. Parisi has been serving Marin County jurisdictions for over two decades, including the Town of Fairfax. The firm's 12 employees include certified transportation planners and registered traffic and civil engineers. Parisi provides municipal support services, including review of transportation impact assessments.

Recent projects undertaken by Parisi Transportation Consulting for the Town of Fairfax include the update of Fairfax's General Plan Circulation Element, Safe Routes to Schools planning and support, and review and input on land use development proposals, including the Marinda Heights project. Other projects reviewed by Parisi include the Daily Method project, the Victory Village development project, the Pancho Villa redevelopment project, and the Way Station project.

Natural Investigations Company, Inc.

Natural Investigations Company, Inc., is a California certified Woman Owned Business (WBE), Disadvantaged Business Enterprise (DBE), and Small Business Enterprise (SBE) that employs proven professionals in cultural/archaeological resources, biological resources, and environmental consulting/permitting. The firm is unique in its ability to find creative solutions to the environmental needs and challenges facing its clients, while understanding that the ultimate goal of any project is to assist clients in successfully meeting the technical requirements while adhering to schedule and budget constraints.

The firm's cultural staff has conducted hundreds of cultural resources projects throughout California, either directly or indirectly for state or federal agencies. Operationally, their experience working with city and county governments and state and federal agencies will be an asset in successfully working as a partner with Ascent Environmental providing cultural resources services for the Marinda Heights project in Fairfax. Natural Investigations' understanding of the cultural history of the area, as well as federal and state statutory and regulatory requirements regarding the treatment of cultural resources, will be an important asset during the fulfillment of this contract. Their staff has collectively over 90 years of environmental consulting and has provided expertise for many private and public sector clients in support of different types of projects. Each member of the cultural resources team meets or exceeds the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation (36 CFR Part 61).

2M Associates

2M Associates specializes in visual resource analysis and the planning and design of regional parks, open space areas, and trails. Founded in 1981, 2M is an award-winning firm that selects its work carefully, taking on only a few projects at any one time. The firm well understands the relationship between broad policies and specific design objectives. 2M's work covers all aspects of visual resource analysis, from engineered projects in wildland settings to urban environments, with a working knowledge of the most relevant guidelines regarding visual resource studies, having been involved on projects for the U.S. Forest Service, U.S. Bureau of Land Management, Caltrans, Federal Highway Administration, Federal Energy Regulatory Commission, Pacific Gas and Electric Company, Southern California Edison, and numerous local jurisdictions throughout California. 2M's work includes baseline visual resource inventories, sensitivity and impact analyses, preparation of photo-realistic visual simulations, and project mitigation design. 2M strongly believes in a collaborative design process that centers on a willingness to work with people in soliciting ideas, communicating concepts, explaining solutions, and responding to points of concern.

CSW/Stuber-Stroeh Engineering Group

CSW/Stuber-Stroeh Engineering Group is a full-service design firm consisting of 30 civil engineers and land surveyors, and has supported the infrastructure of Northern California since 1954. With over 65 years of experience, the team brings a proactive and holistic approach to solving the wide variety of infrastructure challenges faced by Bay Area communities and is well with the requirements of numerous agencies at local, state, and federal levels, including CEQA and NEPA requirements. The firm's wide range of services includes experience with site planning and design, transportation planning, stormwater management, feasibility studies, and site inventories and analyses related to land use planning. The infrastructure they design becomes part of the public domain, and the firm's experience and relationships with the various agencies throughout Marin County empowers

them to begin an immediate dialogue and create viable alternative solutions early in the design process. Based from offices in Novato, Pleasanton, Berkeley, Richmond, and Redwood City, CSW/Stuber-Stroeh is recognized throughout Northern California for their collaborative problem-solving approach to community infrastructure challenges, delivered on schedule and within budget.

Wildland Resource Management, Inc.

Wildland Resource Management, Inc., is a consulting firm that emphasizes wildland fire management. The firm is one of the most active in the nation in fire protection in the urban interface and has been involved in this arena for more than 40 years. Several projects entailed preparation of fire management plans for large landowners in areas of sensitive species and concerned communities. Other projects have involved the use of state-of-the-art fire behavior prediction systems or developed training programs.

Projects have ranged in scale from nationwide management projects to site-specific consultations. These include projects for the San Francisco Water Department, the Marin Municipal Water District, the Marin Open Space District, the University of California, the East Bay Regional Park District, the Cities/Towns of Santa Cruz, Berkeley, and Portola Valley, and the Counties of Santa Clara, Sacramento, and San Mateo. In addition, several homeowner groups have been clients or target audiences, from within Berkeley, Portola Valley, Napa, The Sea Ranch, and Carmel Valley.

Key Personnel

Two-page resumes detailing the relevant experience of each team member are included in Appendix A. If for any reason a member of the team would not be available due to departure or reassignment, Ascent would submit a written request/notification to the Town for approval prior to a change in staffing.

Organizational Chart

Ascent Key Staff

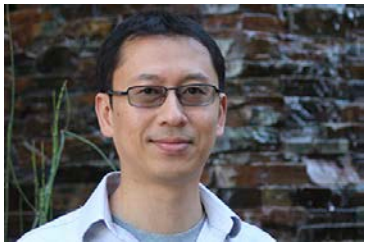
Brief biographies for our management team and key technical leads are provided below.

NAME AND ROLE	BIOGRAPHY
 **Curtis E. Alling, AICP** **Principal-in-Charge** **EDUCATION** MA, Natural Resources Planning and Development, Texas A&M University BS, Wildlife Science, Cornell University	Curtis E. Alling, AICP, is a recognized expert in CEQA and NEPA, and a specialist in complex environmental impact and natural resources management programs. With 40 years of experience, he has managed or directed more than 1,000 environmental, planning, and natural resources studies for federal, state, and local agencies and private industry. His experience has included many CEQA documents for Marin County projects over 30+ years, including Grady Ranch Master Plan Revisions/Lucasfilm, Lawson's Landing Master Plan, Point Reyes Station Affordable Housing Project, Buck Center for Research in Aging Development, Waldo Point Harbor Expansion, Gates Cooperative Community Upgrades, and two Richardson Bay hotel proposals. He is currently leading the California Board of Forestry and Fire Protection's Program EIR for the California Vegetation Treatment Program to reduce wildfire risks statewide. Curtis has personally managed or directed 11 CEQA documents that were the subject of litigation. The defensibility record of these projects is outstanding. He also regularly instructs for the Association of Environmental Professionals, American Planning Association, UC Davis Extension, and Continuing Legal Education International on CEQA and NEPA practice, natural resources management, and climate change issues.
 **Kristi Black, JD** **Project Manager** **EDUCATION** JD, University of California, Berkeley, School of Law BA, Earth Science, Economics Minor, San José State University	Kristi Black, JD, has focused her career on managing and contributing to the preparation of documentation to support CEQA and NEPA compliance, mainly for infrastructure and energy development projects and public agency clients. She has conducted research for and drafted CEQA and NEPA document sections for electric transmission, natural gas, renewable energy, telecommunications, road and bridge infrastructure, and other projects. During projects involving the CEQA process, she has interacted with and presented to the public at public meetings and also served as the main point of contact for the public. Kristi works closely with agency representatives to define project scopes and streamline permitting efforts; she offers a thorough understanding of the state and federal regulatory environment in California. In addition to managing CEQA and NEPA for infrastructure projects, Kristi has a wealth of planning and community outreach experience to assist clients.

NAME AND ROLE	BIOGRAPHY
 **Claudia Garcia** **Assistant Project Manager** **EDUCATION** MS, Environmental Studies, California State University, Fullerton BS, Molecular Environmental Biology, University of California, Berkeley BA, Anthropology, University of California, Berkeley	Claudia Garcia is an environmental planner with 3 years of experience working with a broad range of projects and environmental issues, participating in community outreach, and preparing environmental analyses for CEQA documents. She has managed and helped manage programmatic and project-specific environmental documents for infill development projects, general plans, and specific plans. Claudia's responsibilities have included project management as well as writing, editing, and compiling the various sections of environmental documents. As the CEQA Essentials and Advanced Workshop coordinator for the Association of Environmental Professionals, San Francisco Bay Area Chapter, she understands the regulatory guidelines and legal requirements, as well as the nuts and bolts of preparing and delivering legal defensible CEQA documents. As a native Spanish speaker, Claudia is well versed in translating outreach materials from English to Spanish and leading small group discussions in both languages.
 **Lily Bostrom** **Forest Management Task Leader** **EDUCATION** MS, Environmental Management, University of San Francisco BS, Marine Biology, University of California, Santa Cruz	Lily Bostrom is an experienced environmental planner and project manager with over 6 years of experience in environmental consulting. She has managed environmental compliance documents for forest management plans, park/open space land use plans, and electrical transmission and infrastructure for projects in Northern and Central California, as well as along the San Francisco Bay shoreline. In addition to managing projects, Lily has extensive experience in writing sections for all types of CEQA and NEPA environmental documents as well as for various types of projects, including park and open space development, forestry work including prescription burning, land use/urban development, and transportation infrastructure including highways, bike and pedestrian paths, bridges, bus rapid transit, and high-speed rail. Lily's experience enables her to successfully manage CEQA projects and support environmental planning teams in preparing high-quality environmental analysis, with a specialized focus on local, regional, and state parkland, forestland, and public open spaces where sensitive coastal and forest resource issues need to be addressed. She thrives in a complex and dynamic field which offers the opportunity to develop innovative measures and minimize project-related impacts to the environment.

NAME AND ROLE	BIOGRAPHY
 **Austin Kerr** **Air Quality, Noise, and Energy** **EDUCATION** BA, Economics and Sociology, Oberlin College	Austin Kerr is a senior scientist and air quality, climate change, and noise specialist with 17 years of experience assessing impacts of proposed development projects. In addition to his proficient use of multiple emission estimation models, Austin has developed sophisticated sets of spreadsheet calculations. He has evaluated a range of noise impact issues, including the potential for residents to experience sleep disturbance, conversation disruption, or noticeable ground vibration levels from noise and vibration generated by nearby construction activity, freeways/roadways, light-rail lines, and airports. He has also collaborated with wildlife biologists to evaluate the impact of introduced noise sources on wildlife. His experience also includes critical study of energy impacts.
 **Angie Xiong** **Air Quality/GHG/Climate Change** **EDUCATION** MA, Sustainability, School of Sustainability, Arizona State University, Tempe BA, English Literature and Religious Studies, Wellesley College, Wellesley, MA	Angie Xiong is an environmental and sustainability planner with a broad range of experience in environmental impact analysis; air quality, greenhouse gas, energy, and noise technical analysis; climate action planning; and public outreach. She has prepared a variety of CEQA and NEPA environmental documents, including environmental impact reports, initial studies, addendums, and technical studies. Angie has experience working on various types of planning projects related to recreation and natural resource management, transportation infrastructure, water infrastructure, land use development, and climate action plans. Prior to working at Ascent, Angie consulted on long-term strategic planning for government and nonprofit organizations, honing her skills in data management and analysis, creative stakeholder engagement, and report writing.
 **Zachary Miller, AICP** **Transportation** **EDUCATION** MS, City and Regional Planning, Environmental Planning Emphasis, California Polytechnic State University, San Luis Obispo MS, Engineering, Transportation Planning, California Polytechnic State University, San Luis Obispo BA, Urban Studies and Planning, University of California, San Diego	Zachary Miller, AICP, is an environmental and transportation planner with 9 years of experience in transportation planning, long-range planning, land use planning, and environmental impact analysis. He has worked on a variety of transportation projects throughout the state, ranging from multibillion-dollar public transportation infrastructure and transit projects to small-scale traffic studies. He has reviewed and commented on transportation sections prepared for CEQA environmental documents by transportation subconsultants. He specializes in working with transportation planning and traffic engineering consultants to ensure their technical analysis will adequately support a CEQA section.

NAME AND ROLE	BIOGRAPHY
 **Rachel Kozloski, CPSS** **Geotechnical/Soils** **EDUCATION** BS, Agroecology-Soil Science, University of Wyoming	Rachel Kozloski, CPSS, brings 14 years of diverse experience in both the private and public sectors. Her strong educational background in environmental quality related to soils, ecology, and agriculture has positioned her to contribute to a broad range of projects Rachel's experience includes the preparation of various ecological technical studies, watershed planning, invasive species management, wetland delineation and restoration, management of special-status plants, rangeland health inventories, grazing management plans, trail construction and alignment, and related sections of CEQA and NEPA documents. Rachel is a Certified Professional Soil Scientist and has conducted a wide variety of technical soil services, including soil nutrient management, soil mapping and verification, soil hydrologic analysis, mapping of jurisdictional waters of the United States, sediment control and water quality best management practices, soil reclamation plans, and soil carbon analysis. She is proficient in GIS data management and analysis and enjoys applying recent technological advances to her areas of expertise.
 **Lara Rachowicz, PhD** **Biological Resources Task Leader** **EDUCATION** PhD, Ecology, Department of Integrative Biology, University of California, Berkeley MPH, Biostatistics/Epidemiology, University of California, Berkeley BS, Geography, University of Wisconsin, Madison	Lara Rachowicz, PhD, has 20 years of technical and project management experience in ecology throughout California, with a focus on special-status species. She manages and supports the preparation of environmental impact reports, environmental impact statements, and other environmental documents required under NEPA and CEQA for proposed energy and infrastructure projects, as well as resource management programs (e.g., fire fuel management, aquatic ecosystem restoration). Lara provides senior technical review and quality assurance of NEPA and CEQA documents. She evaluates environmental impacts and plans mitigation programs; supports project permitting and the negotiation of mitigation agreements; and manages construction, compliance, and mitigation activities. Lara's ecological research and federal resource management experience has focused on threats to vulnerable wildlife populations, primarily amphibian and avian species. She has also managed and studied nesting waterbird populations on Alcatraz Island and evaluated human impacts on them.

NAME AND ROLE	BIOGRAPHY
 **Ted Thayer** **Wildlife Biologist** **EDUCATION** MS, Biology, University of Nevada, Reno BS, Biology, California State University Fresno	Ted Thayer is a wildlife biologist with 16 years of professional experience. He has a strong background in natural resource planning, managing and conducting biological monitoring, and analysis. He has experience in the Bay Area, California Coast Ranges, Great Basin, and Central Valley. Much of his experience has been in the Sierra Nevada, where he has worked for and closely with local, state, and federal land management and regulatory agencies. Ted has managed or performed surveys for small mammals, forest carnivores, peregrine falcon, migratory songbirds, and Sierra Nevada yellow-legged frog, as well as vegetation structure and composition. He also has experience in monitoring invasive species and on the recreation effects on wildlife and habitats, including off-highway vehicles and ski resort operations. Ted has participated in multidisciplinary and multiagency collaborative land use and resource management planning efforts, and preparation of NEPA documents, CEQA documents, and technical reports. He also has experience with preparation of permitting documents including CDFW Notification of Streambed Alteration, Section 2081 Incidental Take Application, Section 404 Preconstruction Notification, Applications for 401 Water Quality Certification, and analyses in support of consultation under Section 7 of the Endangered Species Act.
 **Sangwoo Lee, AICP, LEED AP** **Visual Simulations/Urban Design** **EDUCATION** MS, Urban Design, Columbia University, New York, NY MS, Urban Planning, University of Michigan Ann Arbor, Ann Arbor, MI BS, Urban Planning & Engineering, Yonsei University, Seoul, Korea	Sangwoo Lee, AICP, LEED AP, specializes in physical planning and urban design at various scales, ranging from large master planned communities to smaller infill sites. He believes in the holistic design approach where land use, transportation, water, energy, habitat, buildings, and landscape need to work as an integrated system in order to produce the best, sustainable outcome. As a LEED accredited professional, his focus is on integrating sustainable principles into the design at the building, site, and larger community scale. He has worked on projects in different geographic regions, such as in the United States, Asia, Latin America, and the Middle East. Sangwoo is a certified planner and is fluent in both English and Korean.

NAME AND ROLE	BIOGRAPHY
 **Andrea Villarroel** **Visual Simulations/Landscape Architecture** **EDUCATION** MLA (Master of Landscape Architecture), University of Idaho MS, Geography, University of Idaho Certificate in GIS, University of Idaho BS, Geography, University of Idaho AA, Architecture, Truckee Meadows Community College	Andrea Villarroel is an urban designer and landscape designer with experience in master planning, landscape design, and 3D rendering for projects in the public and private sectors. She has worked on projects ranging from large master plans to smaller residential landscape plans, including urban plazas and parks, ecological restorations, university and college campuses, and mixed-use developments. She has prepared master plans, streetscape plans, and construction documents, as well as stormwater and irrigation water calculations. Andrea has a passion for designing spaces that incorporate sustainable solutions to environmental problems and for creating spaces that focus on walkability and pedestrian activity. She has GIS experience working at a city as well as in a university, completing a variety of tasks related to spatial analysis and cartography, as well as being a GIS instructor at the university level.

Subconsultant Key Staff

NAME AND ROLE	BIOGRAPHY
 **Craig Herzog, CE, GE (Herzog Geotechnical)** **Project Manager** **EDUCATION** MS, Geotechnical Engineering, University of California, Berkeley BS, Civil Engineering, California Polytechnic State University, San Luis Obispo	Craig Herzog, CE, GE, acts as project manager and is responsible for day-to-day coordination of projects and the performance of engineering analyses. His experience includes landslide stability and deformation analysis, seismic risk and site response analysis, liquefaction evaluation, analysis for deep foundations and lateral support systems, and computer modeling for geotechnical design. He has served as Marin Chapter president and a past state director of the Consulting Engineers and Land Surveyors of California (CELSOC) and served as a member of the State Mining and Geology Board's Technical Advisory Committee on Forest Geology. Craig has also provided engineering services and geotechnical peer review for numerous municipalities.

NAME AND ROLE	BIOGRAPHY
 **Kevin Ryan, PG, CEG (Herzog Geotechnical)** **Consulting Engineering Geologist** **EDUCATION** BS, Geology, Humboldt State University, Arcata	Kevin Ryan, PG, CEG, has provided engineering geologic consulting services in the San Francisco Bay Area, Northern California, Central and Northern California Coasts, Central Valley, and Sierra Nevada. His background is in Quaternary geomorphology, engineering geology, process geomorphology, geologic hazard assessment, neo-tectonics, structural geology and sedimentology. Kevin's consulting experience focuses on landslide hazard investigation and monitoring, geologic hazard assessment and mitigation, Alquist-Priolo fault investigations, slope stability evaluation and monitoring, sedimentation studies, erosion studies, creek bank stability and monitoring, expansive soil mitigation, drainage improvements, and quarry mining and reclamation. Additionally, he has provided geologic expert services for civil litigation, conducted post-development forensic investigations of suspected ground movement, and conducted third-party peer review services for both government and private agencies.
 **David Parisi, PE, TE (Parisi Transportation Consulting)** **Principal-in-Charge** **EDUCATION** BS, Civil Engineering, Colorado State University	David Parisi, PE, TE, manages a variety of challenging transportation projects throughout the West Coast. His 30 years of experience include various aspects of transportation and environmental planning, and civil and traffic engineering. He spearheads multidisciplinary transportation projects from inception through design and development. These projects include environmental assessments in accordance with CEQA and NEPA; highway, railway, and multimodal corridor studies; area-wide traffic circulation studies; rail transit projects; roadway and interchange feasibility analyses; access planning for pedestrians, bicyclists, and people with disabilities; localized traffic impact evaluations; and transportation system improvements. David specializes in developing Complete Street, transit and transit-oriented development, traffic calming and Vision Zero, and Safe Route to School projects. His experience includes numerous projects in Marin County—including the Miller Avenue Plan in Mill Valley and the Bridgeway Multimodal Project in Sausalito—and the greater Bay Area.

NAME AND ROLE	BIOGRAPHY
 **Andrew Lee, PE, TE (Parisi Transportation Consulting)** **Traffic Engineer** **EDUCATION** MA, Urban Planning, University of California, Los Angeles BS, Civil Engineering, California Polytechnic State University, San Luis Obispo Project Management, UC Berkeley Extension	Andrew Lee has 11 years' experience with a variety of transportation projects throughout California. His work at Parisi encompasses a wide variety of project types and phases, ranging from initial transportation planning and conceptual design to detailed traffic and civil designs, plans, specifications, and cost estimates (PS&E) and Caltrans permitting. He specializes in developing innovative and creative designs for multimodal traffic, including Vision Zero projects, vehicular and bicycle roundabouts, one- and two-way separated bikeways, multiuse paths, and ADA retrofits to pedestrian facilities. As a transportation planner with the San Francisco Municipal Transportation Agency, he helped identify a staff-recommended alternative on the Geary Corridor Bus Rapid Transit project and three unique alternatives for the Better Market Street project. Andrew's broader experience includes non-motorized transportation planning, transit access studies, and traffic circulation studies. He specializes in Complete Streets, transit and transit-oriented development, transportation element updates, travel demand modeling, and Safe Routes to School projects. His relevant experience includes numerous projects in Marin County and the surrounding region.
 **Cindy Arrington, MS, RPA (Natural Investigations)** **Project Manager, Principal Investigator** **EDUCATION** MS, Historical Archaeology, California State University, San Jose BA, Anthropology, California State University, San Jose	Cindy Arrington, MS, RPA, has more than 20 years of experience in cultural resources management. She has extensive experience in multidisciplinary team management in the environmental profession. She has expertise in project performance and compliance with federal, state, and local regulations; implementation of environmental mitigation monitoring plans for complex construction projects; preparation of reports; and direction of cultural resources surveys and excavation. Cindy has authored/co-authored hundreds of technical reports under compliance with federal, state, and local regulations (NEPA, NHPA, Section 106, CEQA, SEPA) and agencies (U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Army Corps of Engineers, U.S. Forest Service, Yosemite National Park, California Energy Commission, California Department of Transportation, California Public Utilities Commission, etc.).

NAME AND ROLE	BIOGRAPHY
 **Nancy Sikes, PhD, RPA (Natural Investigations)** **Principal Investigator** **EDUCATION** PhD, Anthropology (Archaeology), University of Illinois at Urbana-Champaign MA, Anthropology (Archaeology), University of Illinois at Urbana-Champaign BA, Anthropology/Museology, University of Nevada, Reno	Nancy Sikes, PhD, RPA, has more than 25 years of experience a as principal investigator, senior scientist, and project manager. She has participated in all aspects of cultural resource management projects. Nancy has completed dozens of cultural resources sections for EIRs, EISs, EAs, ISs, etc., and developed treatment plans and research designs under state and Section 106 guidelines. She has conducted numerous significance evaluations of archaeological sites and provided expertise and overall quality control on complex cultural resources projects, such as large excavations. She has managed mitigation of prehistoric, historic, and natural resources for large-scale construction and development projects and a wide range of activities in the field, laboratory, and office, dealing with prehistoric and historic resources for private or state and federal regulatory agencies.
 **Patrick Miller (2M Associates)** **Aesthetic Resource Analyst** **EDUCATION** MLA, University of California, Berkeley BLA, State University College of Environmental Science and Forestry, Syracuse, New York	Patrick Miller, FASLA, is an award-winning licensed landscape architect. His work covers all aspects of visual analysis, wildland and urban trail system planning, site planning, facility design, and planting/revegetation design. He has a working knowledge of the guidelines regarding visual resource studies, having been involved on projects for a wide variety of federal, state, and local jurisdictions throughout California. His experience includes baseline visual resource inventories, sensitivity and impact analyses, preparation of photo-realistic visual simulations, and project mitigation design.
 **Wayne Leach, PE (CSW| ST2)** **Project Manager** **EDUCATION** BS, Civil Engineering, California Polytechnic State University, San Luis Obispo	Wayne Leach, PE, has extensive experience in managing a wide variety of planning and engineering projects for public and private clients over the past 25 years. Wayne has worked in a number of different capacities in both the public and private sectors. His experience includes senior and affordable housing projects, infrastructure, road design, hydrology and hydraulic design, agency processing and entitlements, boundary resolution and title research, preparation of specifications and bid documents, and construction management and coordination. He has been instrumental in processing a variety of projects through the local and state level, including Caltrans encroachment permits. Wayne's experience includes the Fairfax Parkade in Fairfax and the Meadow Park Affordable Housing Subdivision and the Atherton Ranch Subdivision in Novato, in addition to numerous other projects in Marin County and the surrounding region.

NAME AND ROLE	BIOGRAPHY
 **Carol Rice (Wildland Resource Management)** **Fire Fuel/Forest Management** **EDUCATION** MS, Fire Science and Management, University of California, Berkeley BS, Forestry, University of California, Berkeley	Carol Rice leads a fire management consulting firm, Wildland Resource Management, which for 40 years has emphasized fire management, especially in the wildland-urban interface. She has consulted on the Marin Municipal Water District's Baseline Studies and Vegetation Management Plan in the 1990s, several updates to that plan, including the Biodiversity, Fire and Fuels Integrated Plan and EIR, the EIR for the MCOSD Vegetation Biodiversity Plan, and private property vegetation management plans in Marin since 1990. Other projects have included planning and overseeing implementation of regional fuel management plans in the San Francisco Bay Area, writing the Community Wildfire Protection Plans for Sacramento County and Orange County, and conducting various investigations and workshops regarding fire behavior, ecology, and economics.

4 FIRM OVERVIEW AND EXPERIENCE

4 FIRM OVERVIEW AND EXPERIENCE

Representative Project Experience

The competence of the Ascent team is expressed through its breadth of knowledge and expertise in all the technical areas requested by the Town, our team's individual and collective experience, our demonstrated project successes, consistent application of new technologies, and record of legal defensibility. Our representative project experience provides an overview of the range of skills, experiences, and benefits offered to the Town for the proposed Marinda Heights Subdivision Project EIR. Projects that demonstrate our proven experience on similar projects are summarized below.

Ascent Environmental

1 LUCASFILM GRADY RANCH PRECISE DEVELOPMENT PLAN – SUPPLEMENT TO THE 1996 GRADY RANCH/BIG ROCK RANCH MASTER PLAN FINAL EIR
CLIENT: MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY

The Grady Ranch Precise Development Plan detailed a second phase of the implementation of the Lucasfilm Ltd. Grady Ranch/Big Rock Ranch Master Plan and Use Permit. The plan included construction of the Main Building for digital film production, Gate House Building, and Main Entry Road; realignment of Lucas Valley Road at the main entrance to the project; improvement of on-site roads and bridges; and other related improvements, such as construction of two water tanks and undergrounding and extension of off-site utilities. In addition, the Precise Development Plan included the restoration of Miller Creek, Grady Creek, Landmark Creek, and other tributaries. Restoration plans included improving the habitat functions and values of the Stream Conservation Area, as well as the creek channel and fish passage enhancements. The remaining 187 acres will be preserved as private open space. Under contract to Marin County, Ascent prepared a Supplement to the 1996 Grady Ranch/Big Rock Ranch Master Plan Final EIR. Key issues included the hydrology/geomorphology of Miller Creek, greenhouse gas emissions, traffic impacts, visual impacts, and water supply.

LOCATION
Marin County

DATES OF SERVICE
2010–2012

KEY STAFF
Curtis Alling
Austin Kerr
Rachel Kozloski

2 HILL AREA FIRE FUEL MANAGEMENT PLAN EIR
CLIENT: UNIVERSITY OF CALIFORNIA, BERKELEY

UC Berkeley is updating the university's Hill Area Fire Fuel Management Plan, which describes fuels management activities UC Berkeley would implement to prevent and protect against wildfire and promote sustainable forest management on its 800-acre Hill Campus. The Hill Campus can be generally characterized as steep-sloping open space that includes a large Ecological Study Area (ESA) with a smaller Faunal Refuge Area. In 1968, UC Berkeley designated 300 acres of the Hill Campus as an ESA as a preserve for education and research. Slopes in the Hill Campus range from moderate to steep, with the majority exceeding 40 percent. The Hill Campus is located in a Very High Fire Hazard Severity Zone, as identified by CAL FIRE. Ascent will first prepare an Initial Study to focus the EIR on those environmental topics that could be affected by the Hill Area Fire Fuel Management Plan. Thereafter, Ascent will prepare a program EIR to evaluate the potential environmental impacts associated with implementation of the plan.

LOCATION
Alameda County

DATES OF SERVICE
2019–ongoing

KEY STAFF
Curtis Alling
Kristi Black
Austin Kerr
Lily Bostrom
Lara Rachowicz

3 MILLER/KNOX REGIONAL SHORELINE LAND USE PLAN AMENDMENT PROGRAM EIR
CLIENT: EAST BAY REGIONAL PARK DISTRICT

Miller/Knox Regional Shoreline is a bayshore gem of the EBRPD system. For a long time, it seemed destined for urban development, utility, and railroad use. In the 1960s, it became a beach park that began to serve the Point Richmond community and the East Bay. In the 1970s, EBRPD acquired Nicholl Knob hillside land and bayside railroad company property, and in 1975, established Miller/Knox Regional Shoreline. Since then, more land has been added, including historic Ferry Point, Crest Avenue site, and Bray Oil Company property. A 1983 Land Use Development Plan originally guided recreation use and facility development at the Regional Shoreline. EBPRD proposed a comprehensive update of the 1983 plan with a Land Use Plan Amendment (LUPA) intended to enhance the Regional Shoreline's recreational, interpretive, and scenic values and fully incorporate and interconnect the use areas that comprise it. Ascent assisted EBPRD with preparation of the program EIR to analyze the significant environmental effects associated with construction, operation, and maintenance of the proposed project. Presentations included visual simulations of the proposed park land use plan.

LOCATION
Contra Costa County

DATES OF SERVICE
2017–2019

KEY STAFF
Curtis Alling
Angie Xiong
Austin Kerr
Zachary Miller
Rachel Kozloski
Lily Bostrom
Ted Thayer
Sangwoo Lee

4 MOUNT UMUNHUM ENVIRONMENTAL RESTORATION AND PUBLIC ACCESS PLAN EIR/EA
CLIENT: MIDPENINSULA REGIONAL OPEN SPACE DISTRICT

In October 2012, the Midpeninsula Regional Open Space District approved a proposal to open public access to the peaks of Mount Umunhum and Mount Thayer in the Santa Cruz Mountains. The Mount Umunhum Environmental Restoration and Public Access project involved demolition and removal of a previous U.S. Air Force Station on the peaks, ecological and landform restoration, trail connections, open space amenities, viewing and ceremonial areas, and a visitors center.

Ascent prepared an EIR for the project. One of the primary issues addressed was the fate of an existing radar tower—a massive, five-story, concrete cube visible from much of the South Bay Area and an important landmark for the community and for local veterans. The mountaintop site also is important to Ohlone culture. The EIR evaluated three options for the radar tower: retention, partial demolition, and full demolition. Historic and archaeological resources were the primary environmental issues evaluated in the EIR, with other issues including habitat effects, wildland fire hazard, traffic, access and parking, aesthetics, and visitor use effects.

LOCATION
Santa Clara County

DATES OF SERVICE
2010–2012

KEY STAFF
Curtis Alling
Austin Kerr

5 CALIFORNIA STATEWIDE VEGETATION TREATMENT PROGRAM EIR
CLIENT: CALIFORNIA BOARD OF FORESTRY AND FIRE PROTECTION

In response to the state's recent wildfire crisis, the Board of Forestry and Fire Protection's California Statewide Vegetation Treatment Program (CalVTP) proposed a plan to lower the risk of catastrophic wildfires on nonfederal lands by reducing fire fuels through vegetation treatments on large portions of the State Responsibility Area. With the goal of increasing the pace and scale of vegetation treatment activities to a target of 250,000 acres per year, treatment actions include fuel breaks; fuel reduction through mechanical removal, controlled burns, and herbicide application; and ecosystem restoration to return overgrown areas to natural fire-adapted conditions. Ascent is working closely with the Board, CAL FIRE, California Natural Resources Agency, CDFW, CARB, and Governor's Office staff to prepare this PEIR. One of its objectives is to streamline later activities consistent with the program, including by "within the scope" findings according to CEQA Guidelines Section 15168 to speed the approval and implementation of larger-scale treatments than are currently able to occur.

As the prime consultant for preparation of the CalVTP PEIR, Ascent developed the environmental strategy and led the effort to prepare a new EIR. Work began with evaluation of the 2017 VTP Draft PEIR, which evaluated fuel treatment activities with an annual target of 60,000 acres per year. Ascent provided advice regarding EIR revisions, recommended preparation of a new Draft EIR in recognition of the expanded treatment target (250,000 acres per year), and is leading EIR preparation. Statewide in scope, the analysis uses Forest Service ecoregions to organize the resource descriptions and impact analyses. A set of Standard Project Requirements is being developed to protect the environment. Detailed coordination was conducted with CDFW, CARB, California Coastal Commission, State Water Resources Control Board, and California State Parks regarding the evaluations they need to use the PEIR for their responsible agency actions. Regulatory streamlining options are also being discussed. When completed, the CalVTP PEIR is designed to substantially increase the pace and scale of fuel treatment project delivery in the State Responsibility Area.

LOCATION
Statewide

DATES OF SERVICE
2018–ongoing

KEY STAFF
Curtis Alling
Claudia Garcia
Angie Xiong
Austin Kerr
Zachary Miller
Rachel Kozloski
Lily Bostrom
Lara Rachowicz

6 POINT REYES STATION AFFORDABLE HOUSING PROJECT EIR
CLIENT: MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY

The project proposed the development of a 36-unit, mixed-use residential project on an 18-acre property in Point Reyes Station in Marin County. The affordable units were to be restricted to low and moderate income levels. A visitor-serving commercial parcel was included in the project, which was expected to be for lodging and retail use. The project also included the construction of a 30-space public parking lot, public restrooms, and dedication of approximately 2.5 acres of land for permanent open space purposes. Key issues addressed in the EIR included the effects on groundwater quality and domestic wells from on-site septic systems, effects on surface hydrology from irrigation and stormwater runoff, and the effects on the architectural character of the town from new construction. Traffic impacts, public service availability, visual effects, and wetland protection were other important issues. As the project director, Curtis Alling led this effort during his tenure at a prior firm.

LOCATION
Marin County

KEY STAFF
Curtis Alling

7 LAWSON'S LANDING MASTER PLAN EIR
CLIENT: MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY

LOCATION
Marin County

KEY STAFF
Curtis Alling

Lawson's Landing is a privately owned campground, recreational day-use facility, ranch, and sand quarry located adjacent to Bodega and Tomales Bays and south of the village of Dillon Beach in northwestern Marin County. The property encompasses Tomales Dunes and sits astride the San Andreas fault. Lawson's Landing has been owned and operated by the Lawson family since the 1920s, and it is operated under a Permit to Operate issued by the California Department of Housing and Community Development. The operators requested Master Plan approval, a Coastal Permit, and a Tidelands Permit. The Master Plan includes modifications to the existing operations to improve basic services, such as water distribution and wastewater disposal, replacement of certain existing facilities, construction of new facilities, and environmental enhancement and education programs. Key environmental issues included disposal and treatment of wastewater in a coastal dune setting, potential water quality impacts related to wastewater treatment and disposal, effects on dune ecology related to dune stabilization for construction of the proposed septic fields and from human disturbance, geologic hazards, and effects on cultural resources. The work included an assessment of changes in visitation resulting from the Master Plan improvements; field surveys, data collection, peer review, and impact analysis; EIR preparation; and support for California Coastal Act compliance. As the project director, Curtis Alling led this effort while with a prior firm.

8 WILDFIRE PROTECTION AND HABITAT IMPROVEMENT PLAN IS AND EIR
CLIENT: MARIN MUNICIPAL WATER DISTRICT

LOCATION
Marin County

KEY STAFF
Kristi Black

The highly controversial Wildfire Protection and Habitat Improvement Plan (WPHIP) outlined a program for fire risk management and biodiversity protection for lands managed by the Marin Municipal Water District. While employed at a prior firm, Kristi Black served as the deputy project manager, drafting the Initial Study to determine which impacts should be addressed in the EIR. She also wrote the first draft of the EIR project description, refining the complex WPHIP into a description that could be easily understood by the public. She helped prepare for and attended the scoping meeting, and then reviewed and categorized significant numbers of written and verbal scoping comments. She applied her understanding of issues raised by the comments to recommend alternatives best suited for analysis in the EIR. Kristi drafted the geology and soils, noise, traffic and transportation, and air quality sections of the EIR (including cumulative impacts sections for those resources) while working with project subconsultant resource specialists. Drafting the air quality section required extensive technical coordination with the subconsultant air quality and fire specialists regarding air quality modeling, given that the WPHIP covered a multitude of activities and a number of different actions (e.g., prescribed burning, mechanical vegetation management, and heavy equipment use). She also revised the aesthetics and cultural sections drafted by and received from subconsultants.

9 WALDO POINT HARBOR PROJECT EIR
CLIENT: MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY

While employed with a prior firm, Curtis Alling directed a second EIR prepared to address alternative approaches to develop a floating home marina for the Gates Cooperative community as part of Waldo Point Harbor, Richardson Bay, Marin County. As a follow-up to the earlier Gates Cooperative Floating Home Marina EIR managed by Curtis, the second document addressed another plan that was defined through a settlement agreement between the State and Marin County. The project proposed to provide legal, code-compliant berth spaces for the Gates Cooperative floating homes in Waldo Point Harbor. The EIR examined a variety of issues, including storm wave exposure, contamination of bay mud, visual impacts, traffic and parking, public access, public trust doctrine, BCDC policies, and consistency with the Marin Countywide Plan, Richardson Bay Special Area Plan, and Bayfront Conservation Zone policies. Alternative plans were formulated and evaluated in the EIR, including a plan suggested by the houseboat community, called the Community Development Alternative. As the project manager, Curtis Alling oversaw preparation of the EIR while at a prior firm.

LOCATION
Marin County

KEY STAFF
Curtis Alling

10 BUCK CENTER FOR RESEARCH IN AGING EIR
CLIENT: MARIN COUNTY COMMUNITY DEVELOPMENT AGENCY

The proposed project was highly controversial as a biomedical research facility involving medical research into aging and health. Located just north of Novato, the project site occupied a prominent hillside that was constrained by several recent and historic landslides and visible from U.S. Highway 101. The project involved preparation of a Revised (Recirculated) Final EIR on the 355,000-square-foot research facility designed by I. M. Pei, 130 units of housing for researchers, and an extensive landslide remediation program. Key issues were grading and slope stability, health hazards from medical research activities, drainage, oak tree removal, hillside visibility, trail access, and traffic. The EIR was certified and successfully defended despite considerable controversy. Curtis Alling was the project manager for preparation of the EIR during his tenure at a prior firm.

LOCATION
Marin County

KEY STAFF
Curtis Alling

Subconsultants

HERZOG GEOTECHNICAL
GEOTECHNICAL ENGINEERING SERVICES FOR TOWN OF CORTE MADERA

Herzog Geotechnical provided geotechnical engineering services for remedial and capital improvement projects for the Town of Corte Madera, including Fire Station #13 replacement, Montecito Drive Retaining wall, sewer replacements (Oakdale Avenue, Manzanita Avenue, Alta Way), storm drain replacements (Meadowsweet Drive, Corte Madera Avenue), Shorebird Pump Station, District No. 1 main replacements, Alta Way roadway stabilization, Redwood Avenue retaining wall, Bayside Trail/San Clemente Park, Corte Madera Skate Park, and others.

HERZOG GEOTECHNICAL	SKYWALKER RANCH IN LUCAS VALLEY

Herzog Geotechnical performed geotechnical investigations for construction of a technical building, a day care center, and guest apartments with underground parking at George Lucas's large film production complex. Projects included stability evaluations, providing design recommendations for tied-back shoring in weak colluvial soils, and developing design criteria for conventional spread footings, drilled piers, and driven piles

PARISI TRANSPORTATION CONSULTING	TRANSPORTATION PLANNING AND TRAFFIC ENGINEERING CONSULTING FOR TOWN OF FAIRFAX

Recent projects undertaken by Parisi Transportation Consulting for the Town of Fairfax include the update of the General Plan Circulation Element, Safe Routes to Schools planning and support, and review and input on land use development proposals, including the Marinda Heights project. Other projects reviewed by Parisi include the Daily Method project, the Victory Village development project, the Pancho Villa redevelopment project, and the Way Station project.

PARISI TRANSPORTATION CONSULTING	ENVIRONMENTAL IMPACT REPORTS AND CIRCULATION ELEMENTS

Parisi Transportation Consulting has led the preparation of many recent transportation and traffic sections of environmental impact reports in Marin County, including the Sir Francis Drake Boulevard Rehabilitation Project, Corte Madera Inn Renovation Project, San Rafael High School Master Plan, and BioMarin Expansion Project. In addition, Parisi has prepared updates to many General Plan Circulation Elements, including for Fairfax, Larkspur, Mill Valley, and Sausalito.

NATURAL INVESTIGATIONS COMPANY	MILL CREEK ARCHAEOLOGICAL INVESTIGATION

Natural Investigations Company was retained by Cook Development, on behalf of Meritage Homes, to provide cultural resources services for the Mill Creek development project in Placer County. The 110-acre Mill Creek site is located immediately south of PFE Road and north of the Placer County/Sacramento County line. The Mill Creek development is a planned residential community of 308 homes with three parks, open space, and a trail system. The project is designed in three residential villages with lot sizes of approximately 6,000 square feet (sf) in the East Village, 7,500 sf in the Central Village, and 10,000 sf in the West Village. The project includes off-site sewer improvements.

The services performed by Natural Investigations included literature and Sacred Lands File searches, a pedestrian survey of the Area of Potential Effects (APE), and a project effects assessment. The study was completed in compliance with CEQA and with Section 106 of the National Historic Preservation Act in anticipation of the requirement for a Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers.

2M ASSOCIATES	REPRESENTATIVE PROJECTS

Of the over 50 visual resource evaluation projects and preparation of simulations in which the firm has been involved, representative 2M projects that involve housing in a natural landscape include:

- Sand Hill Estates EIR, Woodside: Development of five existing residentially zoned lots totaling approximately 92.2 acres.
- Coyote Highlands EIR, Santa Clara County: A master-planned cluster residential subdivision into 25 residential parcels on a 566.85-acre site.
- Sunrise Assisted Living Facility EIR, Lafayette: A General Plan Amendment and rezoning for a 94-unit assisted living facility on a 62.01-acre parcel.
- Russian Convent EIR, San Mateo County: A chapel, convent facilities, and retreat center as seen from the designated Skyline Boulevard Scenic Corridor.
- Greywood Ranch, Sonoma County: Development of a parcel for a single-family residence to consider the project's visual effects incorporating the County's adopted firesafe standards.

CSW/STUBER-STROEH ENGINEERING GROUP	FAIRFAX PARKADE

The Parkade serves as the primary parking structure in the Town of Fairfax and was slated for a comprehensive upgrade that included reconstruction of a walkway, stormwater runoff treatments, new curb ramps, and ADA accessibility improvements. Our team provided a base map, site planning, and design collaborated through construction to ensure the project was successfully completed in the spring of 2019.

CSW/STUBER-STROEH ENGINEERING GROUP	MEADOW PARK AFFORDABLE HOUSING SUBDIVISION

Wayne Leach, PE, served as the project manager and senior designer for this housing development in Novato that included the removal of 708 units of military housing across 201.8 acres. Originally built in the 1950s, the units contained asbestos and other environmentally hazardous materials. The demands of the site required coordination with resource agencies to obtain the required permits and effective construction phasing to develop 708 units of new, affordable housing, including 488 townhomes and 220 apartments. The project also encompassed 102 acres of open space areas with an extensive trail system and 6 neighborhood playgrounds.

WILDLAND RESOURCE MANAGEMENT	CONSULTING SUPPORT – HILL CAMPUS FIRE MITIGATION PROGRAM, UNIVERSITY OF CALIFORNIA, BERKELEY

Wildland Resource Management has supported the development of a multimillion-dollar program to reduce fire hazards in the 800-acre Hill Campus. Specifications for annual work, as well as guidelines for special projects, are being developed. Wildland Resource Management developed a successful grant application that is now being implemented. A programmatic EIR is part of the program.

WILDLAND RESOURCE MANAGEMENT	FIRE HAZARD PORTION OF THE EIR FOR THE VEGETATION MANAGEMENT PLAN, MARIN MUNICIPAL WATER DISTRICT THROUGH PANORAMA ENVIRONMENTAL, INC.

Wildland Resource Management prepared the existing conditions report and analyzed impacts regarding wildland fire for the Vegetation Management Plan for the Marin Municipal Water District. This plan emphasizes the continued maintenance of fuel breaks in the watershed area. The techniques for maintenance span prescribed burning, mechanical treatments, and the use of herbicides.

Ascent Environmental References

REFERENCE	PROJECT
Rachel Reid, Planning Manager Marin County Community Development 3501 Civic Center Drive San Rafael, CA 94903 **p**: 415.473.6863	Lucasfilm Grady Ranch Precise Development Plan – Supplement to the 1996 Grady Ranch/Big Rock Ranch Master Plan Final EIR
Edith Hannigan, Land Use Planning Program Manager California Department of Forestry and Fire Protection 1300 U Street Sacramento, CA 95818 **p**: 916.862.0120 **e**: edith.hannigan@bof.ca.gov	California Statewide Vegetation Treatment Program EIR
Michelle Julene, Regulatory Open Space Planner Marin County Parks and Open Space District 3501 Civic Center Drive, Suite 260 San Rafael, CA 94903 **p**: 414.473.5283 **e**: mjulene@marincounty.org	Miller/Knox Regional Shoreline Land Use Plan Amendment Program EIR, East Bay Regional Park District

Conflict of Interest

There are no known actual, potential, or perceived conflicts that would prevent our full and objective participation in this work for the Town of Fairfax. We have had no prior nor do we have any current contractual relationships with the project applicant or its consultant team.

Clients for whom we have worked in the past provide the best testimony as to Ascent's dedication to their projects. We encourage and authorize you to contact the following references for an appraisal of the services they received from Ascent staff.

5 COST

A APPENDIX

Curtis E. Alling, AICP

PRINCIPAL-IN-CHARGE

YEARS OF EXPERIENCE 40

EDUCATION

MA, Natural Resources Planning and Development, Texas A&M University

BS, Wildlife Science, Cornell University

CERTIFICATIONS

American Institute of Certified Planners (No. 040218)

PROFESSIONAL AFFILIATIONS

American Planning Association California (APACA); Legislative Review Team (2005–present); Co-chair, Enhanced CEQA Action Team (ECAT, 2011–2015)

APACA, PLAN Mentor, Sacramento Valley Section (2013, 2014)

Capitol Region Climate Readiness Collaborative, Steering Committee (2015–2018)

Association of Environmental Professionals (AEP); Instructor, Advanced CEQA Workshops, Oakland and North Bay (2010-2019); Chair, Legislative Review Committee (1995–2004)

Governor's Climate Resilience Technical Advisory Group (2016)

AWARDS AND HONORS

State Wildlife Action Plan Update, AEP Outstanding Environmental Resource Plan

State Park Road and Trail Change-in-Use Program EIR, AEP Outstanding Environmental Analysis Document

Sacramento Climate Action Plan, APACA Innovations in Green Community Planning

Lake Tahoe Sustainability Action Plan, APA National Award for Environmental Planning

Curtis E. Alling, AICP, is a recognized expert in CEQA and NEPA, and a specialist in complex environmental impact and natural resources management programs. With 40 years of experience, he has managed or directed more than 1,000 environmental, planning, and natural resources studies for federal, state, and local agencies and private industry. His projects have involved state and federal threatened and endangered species in forest, agricultural, wetland, riverine, vernal pool, Delta, coastal, foothill, Lake Tahoe Basin, and Sierra Nevada settings. He has managed numerous complex, litigious projects and large-scale NEPA and CEQA documents. His project specialties include forest/fire fuel management, water resources projects, climate change adaptation, conservation planning, endangered species compliance, flood control projects, trail planning, transportation, and open space/public lands management. Curtis has personally managed or directed 11 CEQA documents that were the subject of litigation. The defensibility record of these projects is outstanding. He also regularly instructs for the Association of Environmental Professionals, American Planning Association, UC Davis Extension, and Continuing Legal Education International on CEQA and NEPA practice, natural resources management, and climate change issues.

PROJECT EXPERIENCE

Lucasfilm Grady Ranch Precise Development Plan – Supplement to the 1996 Grady Ranch/Big Rock Ranch Master Plan Final EIR, Marin County

Marin County Community Development Agency

Principal-in-Charge

Ascent prepared a Supplement to the 1996 Grady Ranch/Big Rock Ranch Master Plan Final EIR for the Grady Ranch Precise Development Plan (PDP). The PDP details a second phase of the implementation of the Grady Ranch/Big Rock Ranch Master Plan and Use Permit. The Grady Ranch PDP includes construction of the main building, gate house building, and main entry road; realignment of Lucas Valley Road at the main entrance to the project; improvement of West Fire Road; replacement of the fire access road to the east side of Grady Creek (East Fire Road); realignment of the Upper Fire Road around the Main Building; nine bridges; and other related improvements such as construction of two water tanks and undergrounding and extension of off-site utilities. The project incorporates low impact development (LID) practices to manage stormwater through a natural system that is coordinated with SCA restoration and enhancement. The remaining parcel area of 187 acres around the 52-acre development area will be preserved as private open space.

Point Reyes Affordable Housing Project EIR, Point Reyes Station, Marin County

Marin County Community Development Agency

Project Director

The project proposed the development of a 36-unit, mixed-use residential project on an 18-acre property located in Point Reyes Station in Marin County. The affordable units were to be restricted to low- and moderate-income levels. A visitor-serving commercial parcel was included in the project, which was expected to be for lodging and retail use. The project also included the construction of a 30-space public parking lot, public restrooms, and dedication of approximately

2.5 acres of land for permanent open space purposes. Key issues addressed in the EIR included the effects on groundwater quality and domestic wells from on-site septic systems, effects on surface hydrology from irrigation and stormwater runoff, and the effects on the architectural character of the town from new construction. Traffic impacts, public service availability, visual effects, and wetland protection were other important issues.

California Vegetation (Fire Fuel) Treatment Program PEIR, Statewide

California Board of Forestry and Fire Protection

Project Director/Principal-in-Charge

The Board initiated a new statewide California Vegetation Treatment Program (CalVTP) to support fire fuel treatment of 250,000 acres per year in the State Responsibility Area in response to the growing wildfire crisis. The Program EIR will substantially streamline implementation of later activities consistent with CalVTP strategies for fire fuel reduction, fuel break development, and ecosystem restoration. Treatment actions include fire breaks, fuel reduction through mechanical removal and controlled burns, and habitat restoration. Other VTP goals include control of unwanted vegetation, including invasive species, improvement of rangeland for livestock grazing, improvement of fish and wildlife habitat, enhancement and protection of riparian areas and wetlands, and improvement of water quality in priority watersheds. Ascent is the prime consultant for EIR preparation, with Curtis leading environmental strategy approaches and quality assurance.

Lawson's Landing Master Plan EIR, Marin County

Marin County Community Development Agency

Project Director

Lawson's Landing is a privately owned campground, recreational day-use facility, ranch, and sand quarry located adjacent to Bodega and Tomales Bays and south of the village of Dillon Beach in northwestern Marin County. The property encompasses Tomales Dunes and sits astride the San Andreas Fault. Lawson's Landing has been owned and operated by the Lawson family since the 1920s, and it is operated under a Permit to Operate issued by the California Department of Housing and Community Development. The operators requested Master Plan approval, a Coastal Permit, and a Tidelands Permit. The Master Plan includes modifications to the existing operations to improve basic services, such as water distribution and wastewater disposal, replacement of certain existing facilities, construction of new facilities, and environmental enhancement and education programs. Key environmental issues included disposal and treatment of wastewater in a coastal dune setting, potential water quality impacts related to wastewater treatment and disposal, effects on dune ecology related to dune stabilization for construction of the proposed septic fields and from human disturbance, geologic hazards, and effects on cultural resources.

Waldo Point Harbor Project EIR, Marin County

Marin County Community Development Agency

Project Director

Curtis directed a second EIR prepared to address alternative approaches to develop a floating home marina for the Gates Cooperative community as part of Waldo Point Harbor, Richardson Bay, Marin County. As a follow-up to the earlier Gates Cooperative Floating Home Marina EIR managed by Curtis, the second document addressed another plan that was defined through a settlement agreement between the State and Marin County. The project proposed to provide legal, code-compliant berth spaces for the Gates Cooperative floating homes in Waldo Point Harbor. The EIR examined a variety of issues, including storm wave exposure, contamination of bay mud, visual impacts, traffic and parking, public access, public trust doctrine, BCDC policies, and consistency with the Marin Countywide Plan, Richardson Bay Special Area Plan, and Bayfront Conservation Zone policies. Alternative plans were formulated and evaluated in the EIR, including a plan suggested by the houseboat community, called the Community Development Alternative.

Buck Center for Research in Aging EIR, Marin County

Marin County Community Development Agency

Project Manager

The proposed project was highly controversial as a biomedical research facility involving medical research into aging and health. Located just north of Novato, the project site occupied a prominent hillside that was visible to U.S. Highway 101 and constrained by several recent and historic landslides. The project involved preparation of a Revised (Recirculated) Final EIR on the 355,000-square-foot research facility designed by I. M. Pei, 130 units of housing for researchers, and an extensive landslide remediation program. Key issues were grading and slope stability, health hazards from medical research activities, drainage, oak tree removal, hillside visibility, trail access, and traffic. The EIR was certified and successfully defended despite considerable controversy.

Kristi Black, JD

SENIOR ENVIRONMENTAL PROJECT MANAGER

YEARS OF EXPERIENCE 8

EDUCATION

JD, University of California, Berkeley, School of Law, 2012

BA, Earth Science, Minor, Economics, San José State University, 2008

TRAINING

Continuing education courses include: CEQA updates; transportation analysis under CEQA; environmental baseline definition under NEPA, CEQA, and the ESA; Native American consultation under AB 52; CEQA mitigation measure enforcement; and, CEQA climate change impact analysis. Completed a Harvard Extension School course entitled, "Measure, Report, Reduce: Practical Methods for Greenhouse Gas Emissions Management."

PROFESSIONAL AFFILIATIONS

Member of the California State Bar

REPRESENTATIVE PROFESSIONAL WORKSHOPS/PRESENTATIONS

Toeing the CEQA Line: Preparing Defensible CEQA Documents for Linear Projects (Co-Presenter, California AEP Annual Conference, 2019)

Environmental Compliance Best Practices to Reduce Project Delays (Co-Presenter, APWA NorCal Chapter Annual Public Works Conference, November 2018)

AEP Advanced CEQA Workshop (Co-Instructor, February 2018, February 2019)

AEP CEQA Essentials Workshop (Co-Instructor, November 2017, November 2018)

CEQA/NEPA: A Comparative Evaluation of Permitting Timeframes and Costs Across Jurisdictions and the Association with Agency-Established Procedures and Templates (Co-Presenter, California AEP Annual Conference, 2014)

Kristi Black, JD, has focused her career on managing and contributing to the preparation of documentation to support CEQA and NEPA compliance, mainly for infrastructure and energy development projects and public agency clients. She has conducted research for and drafted CEQA and NEPA document sections for electric transmission, natural gas, renewable energy, telecommunications, road and bridge infrastructure, and other projects. During projects involving the CEQA process, she has interacted with and presented to the public at public meetings and also served as the main point of contact for the public. Kristi works closely with agency representatives to define project scopes and streamline permitting efforts; she offers a thorough understanding of the state and federal regulatory environment in California. In addition to managing CEQA and NEPA for infrastructure projects, Kristi has a wealth of planning and community outreach experience to assist clients.

PROJECT EXPERIENCE

Wildfire Protection and Habitat Improvement Plan IS and EIR, Marin County

Marin Municipal Water District

Deputy Project Manager

The highly controversial Wildfire Protection and Habitat Improvement Plan (WPHIP) outlined a program for fire risk management and biodiversity protection for lands managed by the Marin Municipal Water District. Kristi drafted the IS to determine which impacts should be addressed in the EIR. She also wrote the first draft of the EIR project description, refining the complex WPHIP into a description that could be easily understood by the public. She helped prepare for and attended the scoping meeting, and then reviewed and categorized significant numbers of written and verbal scoping comments. She applied her understanding of issues raised by the comments to recommend alternatives best suited for analysis in the EIR. Kristi drafted the geology and soils, noise, traffic and transportation, and air quality sections of the EIR (including cumulative impacts sections for those resources) while working with project subconsultant resource specialists. Drafting the air quality section required extensive technical coordination with subconsultant air quality and fire specialists regarding air quality modeling, given that the WPHIP covered a multitude of activities and a number of different actions (e.g., prescribed burning, mechanical vegetation management, and heavy equipment use). She also revised the aesthetics and cultural sections drafted by and received from subconsultants.

Mesa Substation Project EIR, Los Angeles County

California Public Utilities Commission

Project Manager/Director

An EIR was prepared for CPUC to meet CEQA requirements for a substation project that includes transmission and telecommunications components. Kristi managed preparation of the EIR, which included reviewing many of the environmental impact analysis sections. She also was the lead author for the alternatives and cumulative impact analysis sections, which required, respectively, extensive coordination with a specialized engineering firm and a detailed review of potential projects in several jurisdictions. Once the Draft EIR was released, Kristi led the well-attended meeting on the Draft EIR, giving a presentation to the public about the project and how to

comment on the project. For the Final EIR. she managed fast-track delivery of responses to comments and production of the EIR. The turnaround time between the close of the Draft EIR comment period and the release of the Final EIR was just over three months. As the project moved into mitigation monitoring, she assumed the role of project director.

Valley–Ivyglen Subtransmission Line and Alberhill System Projects EIR, Riverside County

California Public Utilities Commission

Deputy Project Manager

An EIR was developed that analyzed environmental impacts of the Valley-Ivyglen Subtransmission and Alberhill System projects. The projects are separate, but the EIR analyzed both projects. The Valley-Ivyglen project would include a 26-mile, 115-kV subtransmission line, and the Alberhill System project would include a 500-kV substation and about 23 miles of transmission line in Southern California. Kristi served as deputy project manager and technical author for the Draft EIR; she also led the public meetings for the Draft EIR. She drafted the cumulative impacts and cultural resources sections of the EIR. Drafting the cumulative impacts section of the EIR involved assembling a project list across several jurisdictions in an area with numerous ongoing development projects. She also contributed to the comparison of alternatives analysis and provided senior review to many resource sections of the EIR. Kristi led two well-attended public Draft EIR meetings for the controversial projects, giving the presentation about EIR content and accepting comments from meeting attendees. For the Final EIR, she served as a technical author, drafting responses to key comments that raised complex CEQA-related issues.

Laurel Way Residential Development EIR, San Mateo County

City of Redwood City

Environmental Scientist

For the proposed 16-unit hillside residential development project, Kristi drafted the public services and utilities, geology and soils, and hydrology and water quality sections of the Draft EIR. She also reviewed the Draft EIR biological resources section.

Santa Cruz 115-kV Reinforcement Project IS/MND, Santa Cruz County

California Public Utilities Commission

Deputy Project Manager/Environmental Scientist

The project involved reinforcing an existing 115-kV 7-mile power line, construction of about 2 miles of new 115-kV power line, and modifications at one substation. Kristi researched sensitive habitat disturbance and tree removal constraints, which included coordinating with Santa Cruz County about mitigation obligations. She also contributed significantly to the text for the mandatory findings of significance section of the IS/MND, including the cumulative impacts analysis. Kristi managed classification of public comments on the draft IS/MND and, after CPUC decided to prepare an EIR, drafted the Notice of Preparation and managed preparation of the scoping report. She also served as the point of public contact during much of the CEQA process for the project.

Saratoga Filter Plant Facilities Plan Environmental Constraints Analysis, Santa Clara County

San Jose Water Company (Kennedy/Jenks)

Project Manager

Ascent prepared a constraints analysis to identify environmental and permitting challenges and benefits associated with siting a new filtration and disinfection facility at a new site on the San Jose Water Company land. This memorandum ultimately informed selection of a Final Recommended Alternative. Kristi led preparation of the memorandum, which covers environmental constraints as well as the likely level of effort for permitting. The memorandum evaluated several sites and discussed challenges and benefits associated with each, including permitting timelines and the potential to avoid environmental resources of concern.

Napa Pipe Development Project Environmental Checklist, Napa County

City of Napa

Project Manager

Ascent is preparing an environmental checklist to evaluate proposed changes to a mixed-use development project that was previously approved by the County of Napa using a project-level EIR. Most of the project has since been annexed by the City of Napa, and the applicant proposes several changes to the project. The checklist will be used to determine whether changes in the project or changes in circumstances were adequately covered in the project EIR or whether a Subsequent or Supplemental EIR is required.

Claudia Garcia

ASSISTANT PROJECT MANAGER

YEARS OF EXPERIENCE 3

EDUCATION

MS, Environmental Studies, California State University, Fullerton, 2015

BS, Molecular Environmental Biology, University of California, Berkeley, 2010

BA, Anthropology, University of California, Berkeley, 2010

PROFESSIONAL AFFILIATIONS

Association of Environmental Professionals, San Francisco Bay Area Chapter, CEQA Workshops Coordinator

City of Richmond, Planning Commissioner

FOREIGN LANGUAGES

Spanish

PUBLICATIONS

Garcia, Claudia. (2015). "Population Differentiation in Fennel Across a Water Availability Gradient." MS Project. California State University, Fullerton.

Claudia Garcia is an environmental planner with 3 years of experience working with a broad range of projects and environmental issues, participating in community outreach, and preparing environmental analyses for CEQA documents. She has managed and helped manage programmatic and project-specific environmental documents for infill development projects, general plans, and specific plans. Claudia's responsibilities have included project management as well as writing, editing, and compiling the various sections of environmental documents. As the CEQA Essentials and Advanced Workshop coordinator for the Association of Environmental Professionals, San Francisco Bay Area Chapter, she understands the regulatory guidelines and legal requirements, as well as the nuts and bolts of preparing defensible CEQA documents.

PROJECT EXPERIENCE

California Vegetation Treatment Program PEIR, Statewide

California Department of Forestry and Fire Protection

Environmental Planner

The California Vegetation Treatment Program (CalVTP) is the statewide program to reduce wildfire risk and diminish or avoid the harmful effects of wildfire on people, property, and natural resources in the California Department of Forestry and Fire Protection's (CALFIRE) State Responsibility Area (SRA). As part of the CalVTP, CALFIRE and other project proponents would implement vegetation treatment activities on up to approximately 250,000 acres annually to help meet the governor's goals in response to California's wildfire crisis. Treatment types include fuel breaks, wildland-urban interface fuel reduction, and ecological restoration. As the primary consultant, Ascent is managing the preparation of a program EIR to evaluate the potential impacts associated with implementation of CalVTP. Claudia authored multiple sections, including agriculture and forestry resources, public services, recreation, and utilities and service systems.

Southeast Greenway General Plan Amendment and Rezoning EIR, Sonoma County

City of Santa Rosa

Project Manager/Environmental Planner

A program EIR was prepared to evaluate potential environmental effects of the Southeast Greenway General Plan Amendment and Rezoning project which would amend the Santa Rosa General Plan 2035 to facilitate future development of up to 47.2 acres of parks and recreational uses, 244 multi-family housing units, and 12,000 square feet of commercial space within a 57-acre area located in southeast Santa Rosa. No specific construction-level development was proposed as part of the project. Claudia served as the assistant project manager for this project. Her duties included client and staff coordination, CEQA noticing, and overall EIR document preparation. Claudia prepared the environmental analysis for the following topic areas; aesthetics, cultural and tribal cultural resources, geology and soils, hazards and hazardous materials, land use and planning, population and housing, public services and recreation, and utilities and services systems. The EIR was released for public review in August 2017. The project was put on hold following the Santa Rosa fire in 2017.

ASCENT

Claudia Garcia

South Industrial Priority Area Specific Plan, Fresno County

City of Fresno

Assistant Project Manager/Environmental Planner

The City of Fresno is preparing the South Industrial Priority Area Specific Plan to facilitate opportunities for economic growth, job creation, and promote development of underutilized lands in the planning area. The Specific Plan would establish a planning framework to facilitate and guide future development in the 6,150-acre planning area through the year 2040. Ascent is the prime consultant and is preparing the EIR for this project. The EIR will evaluate potential impacts associated with development of the planning area. Claudia serves as the assistant project manager and primary author of the document.

Woodbury Highlands IS/MND, Contra Costa County

City of Lafayette

Environmental Planner

An IS/MND was prepared to evaluate potential environmental effects of the Woodbury Highlands project, which proposed to develop 99 multi-family residential units on a 6.55-acre site in Lafayette. Claudia assisted the project manager with overall IS/MND preparation. She prepared various environmental analyses, including aesthetics, biological resources, cultural resources, tribal cultural resources, geology and soils, hazards and hazardous materials, land use and planning, population and housing, public services, recreation, and utilities and service systems.

Butcher's Corner Project Draft EIR, Santa Clara County

City of Sunnyvale

Environmental Planner

An IS/MND was prepared to evaluate potential environmental effects of the Butcher's Corner project, which would develop 138 multi-family housing units and 6,934 square feet of retail/office space. Claudia assisted the project manager with overall EIR preparation and prepared various environmental analyses, including land use and planning, and public services and recreation.

The Hamptons Redevelopment Project Initial Study, Santa Clara County

City of Cupertino

Environmental Planner

An IS/MND was prepared to evaluate potential environmental effects of the Hamptons Redevelopment project which would develop 342 multi-family residential project on a 12.4-acre site in the City of Cupertino. Claudia assisted the project manager with overall IS/MND preparation, and prepared various environmental analyses, including aesthetics, land use and planning, population and housing, public services, and recreation.

Marina Plaza Project Initial Study, Santa Clara County

City of Cupertino

Environmental Planner

An IS/MND was prepared to evaluate potential environmental effects of the Marina Plaza project which would develop a 122-room hotel and two mixed-use buildings with 23,000 square feet of commercial space and 188 multi-family housing units in the City of Cupertino. Claudia assisted the project manager with overall IS/MND preparation, and prepared various environmental analyses, including aesthetics, land use and planning, population and housing, public services, and recreation.

Project Management Services, Santa Clara County

Santa Clara County

Assistant Project Manager/Environmental Planner

Ascent is providing project management services to Santa Clara County for current quarry projects including the Permanente Creek Restoration Project and EIR and the Stevens Creek Quarry Reclamation Plan Amendment and EIR. As part of this effort Ascent will serve as the primary contact for the project, manage the CEQA consultant through the environmental review process, and provide input on technical reports that support the EIR. As assistant project manager, Claudia will ensure that regular communication with the County is maintained and project deliverables are provided on a timely basis.

Lily Bostrom

FORESTRY MANAGEMENT TASK LEADER

YEARS OF EXPERIENCE 6

EDUCATION

MS, Environmental Management, University of San Francisco, 2014

BS, Marine Biology, University of California, Santa Cruz, 2008

PROFESSIONAL AFFILIATIONS

Association of Environmental Professionals, San Francisco Chapter – Member, Board of Directors and Treasurer

PUBLICATIONS

Gilbert, Eleanor. (2014). "What Role Can CEQA Play in Reaching GHG Emissions Reductions Goals Set Forth in AB 32 – An Analysis of CEQA, AB 32, and Recommendations for CEQA Reform." MS Thesis. University of San Francisco.

Lily Bostrom is an experienced environmental planner and project manager with over 6 years of experience in environmental consulting. She has managed environmental compliance documents for forest management plans, park/open space land use plans, and electrical transmission and infrastructure for projects in Northern and Central California, as well as along the San Francisco Bay shoreline. In addition to managing projects, Lily has extensive experience in writing sections for all types of CEQA and NEPA environmental documents as well as for various types of projects, including park and open space development, forestry work including prescription burning, land use/urban development, and transportation infrastructure including highways, bike and pedestrian paths, bridges, bus rapid transit, and high-speed rail. In her spare time, she serves on the Board of Directors for the California Association of Environmental Professionals in the Bay Area; she has been the acting treasurer since early 2017.

Lily's experience enables her to successfully manage CEQA projects and support environmental planning teams in preparing high quality environmental analysis, with a specialized focus on local, regional, and state parkland, forestland, and public open spaces where sensitive coastal and forest resource issues need to be addressed. She thrives in a complex and dynamic field, which offers the opportunity to develop innovative measures and minimize project-related impacts to the environment.

PROJECT EXPERIENCE

Miller/Knox Regional Shoreline Land Use Plan Amendment Program EIR, Contra Costa County

East Bay Regional Park District

Project Manager

Lily is the project manager leading the CEQA review for the Miller/Knox Regional Shoreline Land Use Plan Amendment (LUPA). Miller/Knox Regional Shoreline is a shoreline park in the community of Point Richmond. Ascent is assisting the East Bay Regional Park District with preparation of a program EIR to analyze the significant environmental effects associated with implementation of the LUPA. Lily participated in the scoping process and organized interagency coordination with responsible agencies to identify key issues and expectations early in the CEQA process, including BCDC, State Lands Commission, San Francisco Bay RWQCB, U.S. Army Corps of Engineers, and CDFW. Key areas of analysis include biological resources, cultural and historic resources, aesthetics, climate change adaptation/sea level rise resilience, and hydrology and water quality.

Vegetation Treatment Program, Statewide

California Department of Forestry and Fire Protection

Environmental Planner

Ascent is working with the Board of Forestry and Fire Protection (CALFIRE) to review the Recirculated Draft Vegetation Treatment Program (VTP) Program EIR and comment letters received to assess the environmental document's adequacy under CEQA and its potential to withstand legal challenge. Lily was the lead on the review of several sections and corresponding

comment letters, including hazardous materials and wastes, aesthetics, cultural resources, and recreation. Lily provided recommendations for incorporating public comments into the VTP Program EIR and to strengthen sections for legal adequacy under CEQA.

CEQA/NEPA Environmental Consulting Services for Open Space and Recreation Projects, Santa Clara County

Santa Clara Valley Open Space Authority (SCVOSA)

Project Manager

Ascent was added to the Authority's on-call list of consultants for CEQA and NEPA environmental services for projects across their many preserves. Lily is managing the contract, which has included 4 work orders to date including CEQA analysis for recreation improvements on lands within and adjacent to Coyote Ridge, cultural and biological surveys for a proposed pedestrian bridge over Llagas Creek and day-use area, and CEQA review for an integrated pest management program. Lily has prepared and reviewed scopes of work and budgets for each of these projects, coordinated with the Santa Clara Valley Habitat Authority on requirements related to their Habitat Conservation Plan, and led CEQA strategy discussions with the Authority to determine the appropriate level of CEQA review and extent of biological surveys.

Tásmam Kojóm Maidu Tribal Park Land Management Plan, Plumas County

Maidu Summit Consortium/California Department of Fish and Wildlife

Environmental Planner

Ascent prepared a Land Management Plan (LMP) guiding long-term management of the 2,300-acre Tásmam Kojóm, a montane valley in Plumas County. Lily authored a stand-alone impact assessment for the forestry prescriptions outlined in the LMP. Lily developed the project description and authored sections including cultural resources, aesthetics and visual resources, land use and planning, agriculture and forestry resources, and greenhouse gas emissions. The analysis is intended to support future CEQA review of the LMP and individual forest management actions.

Castle Crags State Park Root Creek Drainage Forest Management Plan and Public Safety Improvement Project IS/MND, Shasta County

California State Parks

Project Manager

Lily is managing the preparation of an IS/MND, wetland delineation, and permit packages (Clean Water Act Section 401, 404, and Fish and Game Code Section 1602 streambed alteration) for the development and implementation of a Forest Management Plan and emergency access route for Castle Crags State Park. The forest plan will guide future fire risk reduction and habitat management of the forest within the Root Creek Drainage, including prescription burning, ongoing vegetation management, and a new emergency access route.

Diamond Valley Lake/Lake Skinner Trail Plan, Riverside County

Metropolitan Water District of Southern California (Metropolitan)

Project Manager

Metropolitan proposes to construct hiking and biking trails on land adjacent to and between Metropolitan's Diamond Valley Lake and Lake Skinner reservoirs and within the Southwestern Riverside County Multi-Species Reserve in Riverside County. Lily is managing the project, which includes preparation of a feasibility analysis, design and construction documents, an operations and maintenance plan, and associated CEQA analysis. Lily drafted the project description for the trails plan and oversaw the preparation of the feasibility analysis, as well as biological and cultural technical reports. Preparation of the design and construction documents, along with the CEQA analysis, is expected to occur this summer.

BART Phase II Extension Project EIS/EIR, Santa Clara County

Santa Clara Valley Transportation Authority

Senior Associate Planner

Santa Clara Valley Transportation Authority (VTA) prepared a Supplemental EIS and 3rd Supplemental EIR for the remaining 6.2 miles of the BART extension project from the Berryessa area in San Jose to Santa Clara known as the Phase II Project. Lily was responsible for several technical sections of the environmental document, including land use and planning and visual and aesthetic resources. She conducted several site visits to document existing land uses and identify key viewpoints for the development of visual simulations.

Austin Kerr

SENIOR SPECIALIST—AIR QUALITY, NOISE, AND ENERGY

YEARS OF EXPERIENCE 17

EDUCATION

BA, Economics and Sociology, Oberlin College

REPRESENTATIVE PROFESSIONAL PRESENTATIONS

Association of Environmental Professionals CEQA Essentials and Advanced CEQA Seminar, San Jose (2016)

TRAINING/CERTIFICATIONS

Lakes Environmental Software Course: Air Dispersion Modeling Workshop

Dillingham Software Engineering, Inc. and BlueScape Environmental: Air Toxics Health Risk Assessment Sacramento Metropolitan Air Quality Management District (SMAQMD) Course: Air Quality Impact Assessment Workshop

California Air Resources Board (CARB) Course #100: Fundamentals of Enforcement/Visible Emissions Evaluation and Course #243: Aggregate Plants

AFFILIATIONS

Association of Environmental Professionals (AEP)

Air and Waste Management Association (AWMA)

Clean Air Society of Australia and New Zealand (CASANZ)

PUBLICATIONS:

The Precautionary Principle in Sustainable Development and Environmental Health, co-authored with Dr. Jaymie Meliker, published in Global Environment: Problems and Policies by Atlantic Publishers and Distributers, 2008.

PRESENTATIONS

UC Davis Extension Course, Ecological Considerations for Planning and Site Design (Air Quality and Noise Modules) (2017)

The State of Roadside Air Toxics Analysis in CEQA, a presentation at the Educational Conference on the Role of Vegetation in Reducing Roadside Near-Roadway Pollution (June 2, 2015)

Austin Kerr is a senior scientist and air quality, climate change, and noise specialist with 17 years of experience assessing impacts of proposed development projects. In addition to his proficient use of multiple emission estimation models (e.g., California Emissions Estimator Model [CalEEMod], the emission factors model [EMFAC2014], the Off-Road Emissions Inventory Program [OFFROAD] and protocols (e.g., the Local Government Protocols) for estimating mass emissions levels, Austin has developed sophisticated sets of spreadsheet calculations. He has evaluated a range of noise impact issues, including the potential for residents to experience sleep disturbance, conversation disruption, or noticeable ground vibration levels from noise and vibration generated by nearby freeways/roadways, light-rail lines, airports, and construction activity.

Austin's work addressing airborne toxics includes conducting or overseeing Health Risk Assessments for truck distribution centers, large-scale construction projects, and racetrack facilities. He is also managing the development of a Community Risk Reduction Plan for the City of Hayward that will demarcate areas in the city with high levels of health risk and identify measures for reducing levels of health risk exposure. Austin has applied multiple models to analyze health risk, including the Hot Spots Analysis Reporting Program (HARP), and the American Meteorological Society/Environmental Protection Agency Regulatory Model Improvement Committee modeling system (AERMOD).

PROJECT EXPERIENCE

California Vegetation Treatment Program PEIR, Statewide

California Department of Forestry and Fire Protection

Senior Air Quality and Climate Change Analyst

The California Vegetation Treatment Program (CalVTP) is the statewide program to treat vegetation that could become fire fuel and serves as one component of the state's range of actions to reduce wildfire risk and diminish or avoid the harmful effects of wildfire on people, property, and natural resources within the California Department of Forestry and Fire Protection's (CALFIRE) State Responsibility Area (SRA). As part of the CalVTP, CALFIRE and other project proponents would implement vegetation treatment activities on up to approximately 250,000 acres annually to help meet the governor's goals in response to California's wildfire crisis. Treatment types include fuel breaks, wildland-urban interface fuel reduction, and ecological restoration. Treatment activities include mechanical treatment, manual treatment, herbicide application, prescribed herbivory, and prescribed burns. Austin led the CEQA strategy for assessing localized and regional air pollutant emissions, GHG emissions, and carbon sequestration effects of fuel treatment activities and served as senior reviewer on the air quality, GHG, and energy sections of the PEIR. A key issue in the GHG analysis was how to make defensible significance determinations in light of the lack of scientific consensus around the long-term carbon sequestration effects of wildfire and fuel treatment activities. Austin reviewed current literature and coordinated with experts at the California Air Resources Board and the developers of the California Natural and Working Lands Model to address this issue.

ASCENT

Austin Kerr

EBMUD Water Supply Management Plan EIR, Northern California

East Bay Municipal Utility District

Air Quality and Climate Change Analyst

Austin conducted a program-level analysis of the potential air quality impacts associated with the implementation of the East Bay Municipal Utility District's (EBMUD) long-term plan to provide adequate water to its service area. This analysis examined the air quality impacts of six different action alternatives, consisting of different mixes of 10 different water supply components. The types of facilities associated with the water supply components included new or expanded reservoirs, a regional desalination plant, groundwater recharge facilities, extraction wells, pipelines, and a pre-treatment plant. Because these facilities would be located across four separate air districts—Bay Area Air Quality Management District, San Joaquin Valley Air Pollution Control District, Sacramento Metropolitan Air Quality Management District, and Amador County Air Pollution Control District—the analysis offered a unique opportunity to compare and contrast their respective CEQA guidance, significance thresholds, and recommended mitigation measures. Austin also prepared the analysis of GHG emissions associated with the construction and operation of these facilities.

Update to CEQA Air Quality Guidelines for Air Quality, Community Risk, and GHG Thresholds

Bay Area Air Quality Management District

Senior Air Quality, Climate Change, and Noise Specialist

Ascent is providing CEQA expertise to assist BAAQMD staff in updating their current CEQA Air Quality Guidelines. These guidelines serve as a tool by which local jurisdictions will evaluate impact analysis methodologies, significance thresholds, and mitigation strategies. Ascent staff are providing technical support in the revision of these guidelines based on current scientific knowledge, local and regional air quality standards, and federal and state law since the last release of the District's guidelines.

Mount Umunhum Environmental Restoration and Public Access Project EIR, Santa Clara County

Midpeninsula Regional Open Space District

Air Quality, Climate Change, and Noise Analyst

Ascent authored the air quality, climate change, and noise sections of an EIR for the Mount Umunhum Environmental Restoration and Public Access Project, which includes demolition of structures of a former air force station located at the peaks of Mount Umunhum and Mount Thayer in the Santa Cruz mountains. After demolition, the project involves ecological and landform restoration and would include several trail connections, open space amenities, viewing and ceremonial areas, and a visitors center. One of the primary issues addressed was the fate of an existing radar tower—a massive, five-story, concrete cube visible from much of the South Bay Area and an important landmark for the community and for local veterans. The mountain-top site also is important to Ohlone culture. Historic and archaeological resources were the primary environmental issues evaluated in the EIR, with other issues including habitat effects, wildland fire hazard, traffic, access and parking, aesthetics, and visitor use effects.

La Honda Creek Open Space Master Plan IS/MND, San Mateo County

Midpeninsula Regional Open Space District

Senior Air Quality, Climate Change, and Noise Analyst

Ascent prepared the Initial Study/Mitigated Negative Declaration for the La Honda Creek Open Space Master Plan. The La Honda Creek Open Space Preserve encompasses 5,759 acres of coastal hills and forest in San Mateo County. The Master Plan establishes a long-term (30-year) vision for the preserve to guide future decisions affecting use and management of the land. The Master Plan includes retention of all existing uses within the preserve with the addition of: expanded public access; reintroduction of grazing into the northern portion; construction of additional parking areas, facilities, and trails; habitat restoration and enhancement; and adoption of resource management and public access policies. Austin conducted the air quality and noise analysis for the project.

1 AMD Place Redevelopment Project EIR

City of Sunnyvale

Air Quality and GHG Specialist

As the Senior Air Quality and Greenhouse Gas Specialist, Austin is working closely with the city to develop a legally defensible approach to analyzing the project's greenhouse gas (GHG) emissions that accounts for the fact that the City has not yet completed a climate action plan that is aligned with the statewide GHG target established by Senate Bill 32 of 2016 and no air district in California has recommended thresholds of significance for this topic. Austin is working to develop a comprehensive list of feasible on-site GHG reduction measures applicable to the project. These measures will address GHG emissions associated with energy consumption, vehicle trips, and construction.

Angie Xiong

ENVIRONMENTAL AND SUSTAINABILITY PLANNER—AIR QUALITY/GREENHOUSE GAS/CLIMATE CHANGE

YEARS OF EXPERIENCE 4

EDUCATION

MA, Sustainability, School of Sustainability, Arizona State University, Tempe, 2013

BA, English Literature and Religious Studies, Wellesley College, Wellesley, MA, 2009

SOFTWARE CAPABILITIES

GoogleEarth, CalEEMod, EMFAC, OFFROAD

FOREIGN LANGUAGE

Chinese (Mandarin)

PUBLICATIONS

Eakin, A., J. P. Connors, C. Wharton, F. Bertmann, A. Xiong, and J. Stolzfus. (2016). "Identifying attributes of food system sustainability: emerging themes and consensus," *Journal of Agriculture and Human Values.* DOI 10.1007/s10460-016-9754-8

Wiek, A., A. Xiong, K. Brundiers, and S. van der Leeuw. (2014). "Integrating problem- and project-based learning into sustainability programs: A case study on the School of Sustainability at Arizona State University," *International Journal of Sustainability in Higher Education*, 15 (4). 431–449

Xiong, A. (2013). "Participatory Design of a Comprehensive Playground Intervention Manual for Obesity Mitigation in Phoenix, AZ," MA Thesis. School of Sustainability, Arizona State University, Tempe.

Xiong, A., K. Talbot, A. Wiek, and B. Kay. (2012). "Integrated health care for communities – participatory visioning and strategy building for a new Mountain Park Health Center clinic in Phoenix," Project Report. Sustainability Transition and Intervention Lab, School of Sustainability, Arizona State University, Tempe.

Angie Xiong is an environmental and sustainability planner with a broad range of experience in environmental impact analysis; air quality, greenhouse gas, energy, and noise technical analysis; climate action planning; and public outreach. She has prepared a variety of CEQA and NEPA environmental documents, including environmental impact reports, initial studies, addendums, and technical studies. Angie has experience working on various types of planning projects related to recreation and natural resource management, transportation infrastructure, water infrastructure, land use development, and climate action plans.

She obtained her master's degree from the School of Sustainability at Arizona State University, where she focused on systems thinking, life-cycle assessment, ecosystem services, climate change, and the participatory design of sustainability interventions. As a member of the Sustainability Transition and Intervention Lab, Angie worked with a diverse set of stakeholders in a low-income community to design health provisioning systems that considered a wide range of impacts on health outcomes, including built environment, access to healthy food, and socioeconomic factors. Prior to working at Ascent, she consulted on long-term strategic planning for government and nonprofit organizations, honing skills in data management and analysis,

PROJECT EXPERIENCE

California Vegetation Treatment Program PEIR, Statewide

California Department of Forestry and Fire Protection

Air Quality and Climate Change Analyst

The California Vegetation Treatment Program (CalVTP) is the statewide program to treat vegetation that could become fire fuel and serves as one component of the state's range of actions to reduce wildfire risk and diminish or avoid the harmful effects of wildfire on people, property, and natural resources within the California Department of Forestry and Fire Protection's (CALFIRE) State Responsibility Area (SRA). As part of the CalVTP, CALFIRE and other project proponents would implement vegetation treatment activities on up to approximately 250,000 acres annually to help meet the governor's goals in response to California's wildfire crisis. Treatment types include fuel breaks, wildland-urban interface fuel reduction, and ecological restoration. Treatment activities include mechanical treatment, manual treatment, herbicide application, prescribed herbivory, and prescribed burns. Angie is researching and developing new methodology to analyze air pollutant emissions, GHG emissions, and carbon sequestration effects of fuel treatment activities. She authored the air quality and greenhouse gas sections of the PEIR for the highly controversial program.

Sierra Nevada Conservancy Proposition 1 Grant Program CEQA Compliance, Sierra Nevada Region

California Department of General Services/Sierra Nevada Conservancy

Air Quality and Climate Change Analyst

Ascent is managing CEQA compliance for the Sierra Nevada Conservancy's Proposition 1 Grant Program, which provides grant funding for watershed restoration and forest management projects throughout the Sierra Nevada. Ascent evaluates grant proposals and develops CEQA compliance strategies in consultation with Conservancy staff and legal counsel. Angie assisted in

the preparation of a variety of CEQA documents as necessary to support the Conservancy's award of grant funding for selected projects, including IS/MNDs and IS/NDs for forestry projects in the Sierra Nevada.

Miller/Knox Regional Shoreline Land Use Plan Amendment EIR, Contra Costa County

East Bay Regional Park District

Assistant Project Manager

Miller/Knox is a shoreline park in the community of Point Richmond. The LUPA is intended to enhance the park's recreational, interpretive, biological, historic, and scenic values and fully incorporate and interconnect the trails and paths throughout the park and with the Bay Trail. Ascent is assisting the East Bay Regional Park District with preparation of a Program EIR to analyze the significant environmental effects associated with implementation of the LUPA. Enhancement of an existing lagoon and protection of historic features are two priorities. Key areas of analysis will include biological resources, cultural/historic resources, aesthetics, climate change adaptation/sea level rise, and hydrology/water quality. Angie authored the hazards, noise, greenhouse gas and climate change, and air quality analyses. She also assisted with scoping and document preparation, and participated in client meetings as an air quality and climate change specialist.

Castle Crags State Park Root Creek Drainage Forest Fuels Management and Public Safety Improvement Project, Shasta and Siskiyou Counties

California State Parks

Environmental Planner

Angie is conducting environmental, air quality, and greenhouse gas analysis for the development and implementation of a Forest Management Plan and emergency access project for Castle Crags State Park. The park is in the upper reaches of the Sacramento River Canyon in northern Shasta County and extends from the Sacramento River to the base of Castle Crags. The park's forested area has become notably overstocked. Coupled with a forest health problem, an overcrowded forest situation increases the area's susceptibility to damaging wildland fire events. The Forest Plan will guide future fire risk reduction and habitat management of the forest in the Root Creek Drainage, including prescription burning, ongoing vegetation management, and a new emergency access route. The park contains multiple campgrounds, picnic areas, hiking trails, a portion of the Pacific Crest Trail, and several water features, including Castle Creek, Indian Creek, Root Creek, Fall Creek, and the Sacramento River. Angie has been leading the development of an innovative method for determining greenhouse gas emissions related to forestry activities and large-scale forest fires for use in this document, as well as future projects involving fire risk reduction.

San Antonio (Greystar North of California Street) Project CEQA Environmental Checklist, Santa Clara County

City of Mountain View

Environmental Planner

The proposed North of California Street Master Plan project would result in the demolition of the existing uses totaling approximately 123,000 square feet. The existing uses would be replaced with the proposed master plan development. Four new buildings would be constructed, totaling 699,248 square feet, that would consist of up to 642 residential units, up to 10,000 square feet of commercial/retail uses, up to 6,600 square feet of food service, and up to 4,000 square feet of nonprofit office space. The project was programmatically evaluated in the San Antonio Precise Plan (SAPP) EIR and is consistent with the SAPP land use designations and zoning. Angie was the lead author of the Environmental Checklist.

Justification Report for the Bay Area Air Quality Management District's CEQA Thresholds of Significance, Bay Area

Bay Area Air Quality Management District

Air Quality and Climate Change Analyst

BAAQMD is updating their CEQA guidance to include more stringent and progressive thresholds of significance. BAAQMD seeks to be a leader in the state through the implementation of science-based thresholds to improve air quality in the San Francisco Bay Area Air Basin as well as ensure that Bay Area–based projects do their "fair share" in supporting the statewide GHG reduction goal of 40 percent below 1990 levels of GHGs by 2030 as stipulated by Senate Bill 32, as well as the less formal goal of achieving an 80 percent reduction in 1990 levels of GHGs by 2050 as recommended by Executive Order S-3-05. Angie researched and performed quantitative analysis to assess various toxic air contaminant threshold options, with a focus on BAAQMD Community Air Risk Evaluation communities.

Zachary Miller, AICP

TRANSPORTATION AND ENVIRONMENTAL PLANNER

YEARS OF EXPERIENCE 9

EDUCATION

MS, City and Regional Planning, Environmental Planning Emphasis, California Polytechnic State University, San Luis Obispo

MS, Engineering, Transportation Planning, California Polytechnic State University, San Luis Obispo

BA, Urban Studies and Planning, University of California, San Diego

CERTIFICATIONS

American Institute of Certified Planners No. 025880

PROFESSIONAL AFFILIATIONS

American Planning Association (APA) member

SOFTWARE CAPABILITIES

ArcGIS, Adobe Design Suite, AutoCAD, Synchro

Zachary Miller, AICP, is an environmental and transportation planner with 9 years of experience in transportation planning, long-range planning, land use planning, and environmental impact analysis. Zachary has worked on a variety of transportation projects throughout the state, ranging from multibillion-dollar public transportation infrastructure and transit projects to small-scale traffic studies. He has reviewed and commented on transportation sections prepared for CEQA environmental documents by transportation subconsultants. He specializes in working with transportation planning and traffic engineering consultants to ensure their technical analysis will adequately support a CEQA section.

Zachary has worked on a variety of CEQA and NEPA environmental documents, including environmental impact reports, initial studies, and technical studies. Prior to joining Ascent, he worked as a transportation planning consultant and received dual master's degrees in city and regional planning and civil engineering at California Polytechnic State University, San Luis Obispo, where his focus was on environmental and transportation planning, respectively.

PROJECT EXPERIENCE

Vegetation Treatment Program, Statewide

California Department of Forestry and Fire Protection

Transportation Planner

Zachary was the project transportation analyst for the CEQA review of the Program EIR for the California Vegetation Treatment Program (CalVTP). The new statewide CalVTP will support fire fuel treatment of 250,000 acres per year in the State Responsibility Area in response to the growing wildfire crisis. The Program EIR will substantially streamline implementation of later activities consistent with CalVTP strategies for fire fuel reduction, fuel break development, and ecosystem restoration. Zachary served as the project transportation analyst for the CEQA review of the project and developed the transportation analysis methodology. Additionally, Zachary analyzed the significant environmental effects related to transportation associated with implementation of the CalVTP.

Miller/Knox Regional Shoreline Land Use Plan Amendment Program EIR, Contra Costa County

East Bay Regional Park District

Transportation Planner

Zachary was the project transportation analyst for the CEQA review of the Miller/Knox Regional Shoreline Land Use Plan Amendment (LUPA). Miller/Knox is a shoreline park in the community of Point Richmond. The LUPA is intended to enhance the park's recreational, interpretive, biological, historic, and scenic values and fully incorporate and interconnect the trails and paths throughout the park and with the Bay Trail. Zachary served as the project transportation analyst for the CEQA review of the project and developed the transportation analysis methodology. Additionally, he analyzed the significant environmental effects related to transportation associated with implementation of the LUPA.

Zachary Miller, AICP

Mount Umunhum Environmental Restoration and Public Access Project EIR, Santa Clara County

Midpeninsula Regional Open Space District

Transportation Planner

Ascent prepared an EIR for the Mount Umunhum Environmental Restoration and Public Access Project. The project includes demolition of structures associated with a former air force station located at the peaks of Mount Umunhum and Mount Thayer in the Santa Cruz mountains. After demolition, the project involves ecological and landform restoration, and would include several trail connections, as well as several open space amenities, including a campground, viewing and ceremonial areas, and a visitors center. Zachary served as the project transportation analyst for the CEQA review of the project. He performed the analysis for determining if implementation of the project would result in significant environmental effects related to transportation and prepared the transportation/traffic chapter of the EIR.

Corn Palace EIR, Santa Clara County

City of Sunnyvale

Transportation Planner

Ascent is preparing the Environmental Impact Report for the 8.8 acre-project site, commonly known as the "Corn Palace", a site previously used for agricultural purposes. The site currently contains uncultivated agricultural land, two residential homes, farm structures, and a farmstand. The project proposes demolition of the onsite structures for development of a master-planned residential community of 58 single-family, two-story residential homes, and a public park. The site is located west of Lawrence Expressway and is bordered by Lily, Toyon and Dahlia Avenues. Zachary served as the project transportation analyst for the CEQA review of the project.

Update of Plan Bay Area 2040: The Regional Transportation Plan/Sustainable Communities Strategy EIR

Association of Bay Area Governments and MTC

Environmental Planner

In 2013, the Metropolitan Transportation Commission (MTC) and the Association of Bay Area Governments (ABAG) adopted Plan Bay Area, the RTP/SCS that serves as an integrated long-range transportation and land use/housing plan for the San Francisco Bay Area addressing the implementation of transportation projects and the challenge of accommodating projected growth. The EIR for Plan Bay Area was certified in 2013 and was subsequently the subject of four legal challenges. Similar to other jurisdictions around the state, MTC and ABAG must update the RTP/SCS and complete an environmental review that is compliant with the requirements of CEQA. Ascent was selected to prepare the EIR for the update to Plan Bay Area 2040 that must comply with the requirements of two settlement agreements that resulted from the four legal challenges (a challenge is still active in the courts and is unresolved at this time). Plan Bay Area 2040 and its supporting documentation will support the growing economy of the Bay Area, provide more housing and transportation choices, and reduce air pollution caused by transportation.

New Sacramento Criminal Courthouse EIR, Sacramento County

Judicial Council of California—Administrative Office of the Courts

Transportation Planner

Ascent Environmental, Inc. prepared the EIR for the New Sacramento Criminal Courthouse in downtown Sacramento. The primary purpose of the project is to expand existing county courthouse facilities to accommodate the existing criminal case load and to increase the level of security currently provided. The proposed project includes development of a new 405,000-square-foot courthouse facility and renovation of the existing Schaber Courthouse. The DEIR evaluated two potential project sites: one site in the Sacramento Railyards and the other at 301 Capitol Mall (former site of the Towers on Capitol Mall). Zachary worked closely with the transportation sub-consultant to ensure that the technical transportation analysis being conducted adequately supported the environmental document. Additionally, he prepared the transportation/traffic section of the EIR.

Rachel Kozloski, CPSS

GEOTECHNICAL/SOILS SPECIALIST

YEARS OF EXPERIENCE 14

EDUCATION

BS, Agroecology-Soil Science, University of Wyoming, 2004

CERTIFICATIONS

Certified Professional Soil Scientist, Soil Science Society of America (No. 325321)

PROFESSIONAL AFFILIATIONS

Professional Soil Scientists Association of California

Rachel Kozloski, CPSS, brings 14 years of diverse experience in both the private and public sectors. Her educational background related to soils, ecology, and agriculture has positioned her to contribute to a broad range of projects Her experience includes the preparation of various ecological studies, watershed planning, invasive species management, wetland delineation, management of special-status plants, rangeland health inventories, grazing management plans, trail construction and alignment, and related sections of CEQA and NEPA documents. Rachel is a Certified Professional Soil Scientist and has conducted a variety of soil services, including soil nutrient management, soil mapping and verification, soil hydrologic analysis, mapping of jurisdictional waters of the United States, sediment control and water quality best management practices, soil reclamation plans, and soil carbon analysis.

PROJECT EXPERIENCE

Miller/Knox Regional Shoreline Land Use Plan Amendment Program EIR, Contra Costa County

East Bay Regional Park District

Environmental Analyst

Rachel prepared the CEQA analysis of hydrologic and geologic resources for the Miller/Knox Regional Shoreline Land Use Plan Amendment (LUPA). Miller/Knox Regional Shoreline is a shoreline park in the community of Point Richmond. Ascent is assisting the East Bay Regional Park District with preparation of a program EIR to analyze the significant environmental effects associated with implementation of the LUPA. Key areas of analysis include biological resources, cultural and historic resources, aesthetics, climate change adaptation/sea level rise resilience, and hydrology and water quality.

Castle Crags State Park Root Creek Drainage Forest Management Plan and Public Safety Improvement Project IS/MND, Shasta County

California State Parks

Soil Scientist/Environmental Analyst

Rachel is supporting this project though the preparation of a wetland delineation, and technical analysis for the development and implementation of a Forest Management Plan and emergency access route for Castle Crags State Park. The Forest Plan will guide future fire risk reduction and habitat management of the forest within the Root Creek Drainage, including prescription burning, ongoing vegetation management, and a new emergency access route.

Routine and Accelerated Vegetation Management Program, El Dorado and Placer Counties

Liberty Utilities

Botanist

Liberty Utilities is facing pressure from the California Public Utilities Commission (CPUC), CALFIRE, and others to address hazardous vegetation above and adjacent to their overhead electric facilities in order to minimize fire danger and to minimize power outages. Liberty is mandated to conform to rules and regulations as adopted by CPUC as well as to comply with all applicable

federal, state, and local environmental laws. In the past, Liberty relied on the U.S. Forest Service (USFS) to perform the research and the surveys necessary to comply with environmental laws. However, due to the extreme wildfire risk, Ascent is performing the research and surveys necessary to comply with environmental laws. Rachel is assisting with vegetation mapping, invasive species mapping, and special-status plant surveys for the program and preparing the necessary USFS reports.

North Tahoe Interagency Forest Health and Biomass Reduction Project IS/MND

California Tahoe Conservancy

Environmental Analyst

The North Tahoe Interagency Forest Health and Biomass Project involves preparation of an IS/MND for forest treatment activities at multiple sites and biomass processing and utilization in the Cabin Creek biomass energy generation facility. The project involves treatment of approximately 273 acres of forest in a wildland-urban interface area in the Placer County portion of north Lake Tahoe, as well as transport and utilization of the generated biomass. The project area includes six separate treatment sites that would be treated by the California Tahoe Conservancy, California Department of Parks and Recreation, the U.S. Forest Service-Lake Tahoe Basin Management Unit, and North Tahoe Fire Protection District. Rachel provided vegetation mapping and analysis of geologic and hydrologic resources.

Sunset Area Plan/Placer Ranch Specific Plan EIR, Placer County

Placer County

Environmental Analyst

Ascent is preparing an EIR for the Sunset Industrial Area (SIA), an 8,900-acre area in unincorporated western Placer County, located west of the Highway 65 corridor and situated between the cities of Lincoln to the north, Rocklin to the east, and Roseville to the south. The overall objective of the SIA plan update is to re-envision and re-brand the SIA to fully implement the County's long-term vision for the plan area. By designing an overall vision for the SIA, the County intends to attract large mixed-use developments, commercial uses, universities, industrial manufacturing, corporate campuses, institutions, and entertainment venues that encourage businesses with primary wage jobs to locate in the SIA. Rachel is preparing both the hydrology and water quality analysis and the geology and soil resources analysis for the project.

Community Watershed Partnership

Natural Resources Conservation Service (NRCS)

Program Manager/Soil Scientist

The Community Watershed Partnership was developed by the Tahoe Basin NRCS for use in small urban watersheds and was modeled after the NRCS Areawide Planning strategy. The goals of this project were to increase coordination between community members and land managers for stormwater and natural resource management, assist local jurisdictions with meeting Total Maximum Daily Load (TMDL) requirements for fine sediment, and develop community-based conservation plans that address issues important to community members and Basin agencies. As program manager, Rachel developed community outreach plans and materials, coordinated public and partner meetings, and worked with land managers and jurisdictions to identify opportunities for stormwater infiltration on public land. As a soil scientist, Rachel provided soil assessments of potential stormwater infiltration sites on public land and assessed depth to seasonal groundwater as required for the design and installation of residential and commercial stormwater best management practices (BMPs). Key issues included water quality related to fine sediment loading of stormwater and fertilizer use, urban watershed planning, and environmental justice.

Dry Creek Greenway Multi-Use Trail Project EIR and CE, Placer County

City of Roseville

Environmental Analyst

The proposed Dry Creek Greenway Multi-Use Trail consists of a 4.25-mile multi-use pathway in Roseville. The trail will serve as an alternative to using the busy city streets, as well as an important recreational amenity for residents, and will ultimately provide an important regional connection that will form a loop around the greater South Placer/Sacramento area. Ascent is participating in the environmental analysis to assist in the definition of alignments, as well as preparing the CEQA and NEPA environmental documents for the project. The NEPA document is being prepared under Caltrans and FHWA procedures. Key issues include protection of the creek floodways, riparian habitat effects, construction noise and air quality, and neighborhood compatibility. Rachel is preparing the hydrologic resources section of the EIR.

Lara Rachowicz, PhD

BIOLOGICAL RESOURCES TASK LEADER

YEARS OF EXPERIENCE 20

EDUCATION

PhD, Ecology, Department of Integrative Biology, University of California, Berkeley

MPH, Biostatistics/Epidemiology, University of California, Berkeley

BS, Geography, University of Wisconsin, Madison

SELECTED PUBLICATIONS

Adams, M. J, N. D. Chelgren, D. Reinitz, R. A. Cole, L. J. Rachowicz, S. Galvan, B. McCreary, C.A. Pearl, L L Bailey, J. Bettaso, E. L. Bull, and M. Leu, 2010, "Using Occupancy Models to Understand the Distribution of an Amphibian Pathogen, *Batrachochytrium dendrobatidis*." *Ecological Applications*, 20:289–302.

Rachowicz, L. J., S. R. Beissinger, and A. E. Hubbard, 2006, "Evaluating At-Sea Sampling Designs for Marbled Murrelets using a Spatially Explicit Model." *Ecological Modelling*, 196:329–344.

Rachowicz, L. J, J. M. Hero, R A. Alford, J. A. T. Morgan, V. T. Vredenburg, J. P. Collins, J. W. Taylor, and C. J. Briggs, 2005, "The Novel and Endemic Pathogen Hypotheses: Competing Explanations for the Origin of Emerging Diseases of Wildlife." *Conservation Biology*, 19:1441–1448.

Rachowicz, L. J., R. A. Knapp, J. M. Parker, M. J. Stice, J. A T. Morgan, V. T. Vredenburg, and C. J. Briggs, 2006, "Emerging Infectious Disease as a Proximate Cause of Amphibian Mass Mortality in California's Sierra Nevada." *Ecology*, 87:1671–1683.

Lara Rachowicz, PhD, has 20 years of technical and project management experience in ecology throughout California, with a focus on special-status species. She manages and supports the preparation of environmental impact reports, environmental impact statements, and other environmental documents required under NEPA and CEQA for proposed energy and infrastructure projects (e.g., electrical transmission systems, pipeline facilities, renewable energy facilities, rail facilities), as well as resource management programs (e.g., fire fuel management, aquatic ecosystem restoration). Lara provides senior technical review and quality assurance of NEPA and CEQA documents. She evaluates environmental impacts and plans mitigation programs; supports project permitting and the negotiation of mitigation agreements; and manages construction, compliance, and mitigation activities.

Lara's ecological research and federal resource management experience has focused on threats to vulnerable wildlife populations, primarily amphibian and avian species. Her graduate research focused on the epidemiology and ecology of an infectious chytrid fungus on threatened frogs in California's Sierra Nevada. In addition, she evaluated at-sea sampling regimes for an endangered seabird, the marbled murrelet. As an ecologist for the National Park Service, Lara assisted in the development and implementation of aquatic ecosystem management plans at Yosemite National Park. In addition, she managed and studied nesting waterbird populations on Alcatraz Island and evaluated human impacts on them.

PROJECT EXPERIENCE

California Statewide Vegetation Treatment Program EIR

Board of Forestry and Fire Protection

Senior Biologist

The Board of Forestry and Fire Protection's Vegetation Treatment Program (VTP) is intended to lower the risk of catastrophic wildfires on nonfederal lands by reducing hazardous fuels. Treatment actions included fire breaks, fuel reduction through mechanical removal and controlled burns, and habitat restoration. Other VTP goals include control of unwanted vegetation, including invasive species, improvement of rangeland for livestock grazing, improvement of fish and wildlife habitat, enhancement and protection of riparian areas and wetlands, and improvement of water quality in priority watersheds. Ascent supported Board staff with preparation of a revised draft program EIR. Lara provided technical analysis and CEQA compliance strategies for the biological resources section of the EIR.

*Mesa Substation Project EIR, Los Angeles County

California Public Utilities Commission

Senior Biologist

An EIR was prepared on behalf of CPUC to meet CEQA requirements for a substation project that included transmission and telecommunications components. Lara provided senior technical review and quality assurance for several environmental impact analysis sections. She was the lead author of the biological resources impact analysis, which required extensive coordination with USFWS and CDFW. Specifically, Lara collaborated with USFWS on an effective mitigation strategy

for the federally endangered coastal California gnatcatcher to use in the EIR as well as in the USFWS' Biological Opinion under the federal Endangered Species Act. Once the Draft EIR was released, for the Final EIR, she drafted and reviewed a fast-track delivery of responses to comments and production of the EIR. The turnaround time between the close of the Draft EIR comment period and the release of the Final EIR was just over three months. Lara provided expertise for the mitigation monitoring program as well.

California High-Speed Rail San Jose to Merced Project Section: Pacheco Pass Geotechnical Investigations, Santa Clara, Merced, and San Benito Counties

California High-Speed Rail Authority

Senior Biologist

Ascent reviewed and is currently preparing an IS/MND under CEQA, an Environmental Assessment (EA) under NEPA, and several environmental permit applications for approximately 65 geotechnical investigations for the High-Speed Rail San Jose to Merced Project Section. Investigations will be completed using methods such as test pits, rotary cores, and horizontal directional drilling. Lara conducted senior technical review of the IS/MND and EA biological resource analysis sections, which evaluated impacts from activities on a variety of sensitive resources in the greenfield area of Pacheco Pass, including in critical habitat designated under the Endangered Species Act. She developed a mitigation strategy to reduce impacts on sensitive species, including California red-legged frog and California tiger salamander, in support of the project's federal Endangered Species Act compliance, and she authored an associated Biological Assessment for submittal to USFWS. Lara also provided permitting support for compliance with the California Endangered Species Act and the Clean Water Act.

Saratoga Filter Plant Facilities Plan Environmental Constraints Analysis, Santa Clara County

San Jose Water Company (Kennedy/Jenks)

Senior Biologist

Ascent prepared a constraints analysis to identify environmental and permitting challenges and benefits associated with siting a new filtration and disinfection facility at a new site on San Jose Water Company land. This memorandum would ultimately help inform selection of a Final Recommended Alternative. Lara provided technical expertise on the biological resources analysis for the memorandum, which covers environmental constraints and the likely level of effort for permitting. The memorandum evaluates several sites and discusses the challenges and benefits associated with each.

Alcatraz Island Bird Monitoring and Management Program, Golden Gate National Recreation Area

National Park Service

Senior Biologist

With the National Park Service (NPS), Lara was the lead manager and biologist responsible for overseeing monitoring of regionally significant water bird populations on Alcatraz Island, including populations of western gull, California gull, Brandt's cormorant, pelagic cormorant, pigeon guillemot, snowy egret, and black-crowned night heron. She assisted with managing the contract for the bird monitoring, including reviewing deliverables. Lara contributed to the park's NEPA process by evaluating actions and projects whose proponents were seeking a Categorical Exclusion, developing natural resource guidance for projects with a Categorical Exclusion, and monitoring projects to assure compliance with the guidelines. She also developed and implemented guidelines to restrict visitor and staff access to priority bird nesting areas, as well as guidelines for removal of bird nests in priority visitor areas; initiated and developed research priorities and proposals; and developed and provided training for citizen science and docent programs.

Naturalist and Wildlife Biologist, Point Reyes National Seashore

National Park Service

Naturalist/Biologist

As a naturalist with NPS, Lara provided education and helped create opportunities for the public to connect with and care about the natural and cultural resources of Point Reyes National Seashore. Lara led interpretive hikes, walks, and programs for park visitors to experience and learn about marine mammals (gray whale, northern elephant seal, harbor seal), nesting seabirds, marine and nearshore ecosystems, and a historic lighthouse. As a wildlife biologist, Lara performed beach surveys to monitor nesting success of the threatened western snowy plover.

Ted Thayer

WILDLIFE BIOLOGIST

YEARS OF EXPERIENCE 16

EDUCATION

MS, Biology, University of Nevada, Reno, 2002

BS, Biology, California State University Fresno, 1995

TEACHING

Undergraduate courses in experimental field ecology and general biology at the University of Nevada Reno, and California State University Fresno.

SPECIALIZED TRAINING

Cumulative Effects in NEPA, U.S. Forest Service

SOFTWARE

GoogleEarth, CNDDB, RareFind, BIOS, CNPS Inventory of Rare and Endangered Plants, Excel, Word

PUBLICATIONS

Vander Wall, S. B., J. S. Briggs, S. H. Jenkins, K. M. Kuhn, T. C. Thayer, and M. J. Beck. 2006. "Do food-hoarding animals have a cache recovery advantage? Determining recovery of stored food." *Animal Behavior* 72(1) 189–197.

Thayer, T. C., and S. B. Vander Wall, 2005, "Interactions between Steller's jays and yellow pine chipmunks over scatter-hoarded sugar pine seeds." *Journal of Animal Ecology* 74 (2) 365–374.

Vander Wall, S. B., M. J. Beck, J. S. Briggs, J. K. Roth, T. C., Thayer, J. L. Hollander, and J. M. Armstrong. 2003. "Interspecific variation in the olfactory abilities of granivorous rodents." *Journal of Mammalogy* 84 (2) 487–496.

Vander Wall, S.B., Thayer, T.C., Hodge, J. S., Beck, M.J. and Roth, J.K. 2001. Scatter-hoarding behavior of deer mice (Peromyscus maniculatus). Western North American Naturalist 61(1) 109-113.

Ted Thayer is a wildlife biologist with 16 years of professional experience. He has a strong background in natural resource planning, managing and conducting biological monitoring, and analysis. He has experience in the Bay Area, California Coast Ranges, Great Basin, and Central Valley. Much of his experience has been in the Sierra Nevada, where he has worked for and closely with local, state, and federal land management and regulatory agencies.

Ted has managed or performed surveys for small mammals, forest carnivores, peregrine falcon, migratory songbirds, and Sierra Nevada yellow-legged frog, as well as vegetation structure and composition. He also has experience in monitoring invasive species and on the recreation effects on wildlife and habitats, including off-highway vehicles and ski resort operations. Ted has participated in multidisciplinary and multiagency collaborative land use and resource management planning efforts, preparation of NEPA documents, CEQA documents, and technical reports. He also has experience with preparation of permitting documents, including CDFW Notification of Streambed Alteration, Section 2081 Incidental Take Application, Section 404 Preconstruction Notification, Applications for 401 Water Quality Certification, and analyses in support of consultation under Section 7 of the Endangered Species Act.

PROJECT EXPERIENCE

Tahoe Keys Property Owners Association Corporation Yard Relocation Project, El Dorado County

California Department of General Services, Real Estate Services Division/California Tahoe Conservancy

Wildlife Biologist

Ted authored the biological resources section of the IS/MND and the Tahoe Regional Planning Agency Initial Environmental Checklist for the project that when implemented would relocate a 2.21-acre corporation yard from within the Upper Truckee Marsh to a less environmentally sensitive location near the Tahoe Keys Marina and restore the previous location in the marsh.

Upper North Yuba Forest Health and Resilience Project, Sierra Counties

Sierra County

Biologist

Ted was primary author on the biological resources, hydrology and water quality, and project description sections of the Initial Study/Mitigated Negative Declaration for a project consisting 267-acres of fuel treatments and aspen restoration along headwaters of the North Yuba River adjacent to State Route 49 east of the communities of Sierra City and Bassetts to Yuba Pass. This project is part of the larger landscape level U.S. Forest Service project that encompasses 14,545 acres of mixed conifer forest within the 450,000-acre headwaters of the North and Middle Yuba River.

Ted Thayer

Butterfly Twain and Fuels Reduction and Landscape Restoration Project, Plumas County

Sierra Nevada Conservancy

Environmental Analyst

Ted was primary author on the Initial Study/Mitigated Negative Declaration that analyzed wildland urban interface fuels treatments within a portion of a larger U.S. Forest Service project area on the Mount Hough Ranger District, Plumas National Forest. Ascent was contracted to analyze the portion of the project funded by the Sierra Nevada Conservancy together with other portions of the project that may be awarded funding in the future including further fuels reduction treatments, prescribed fire, herbicide treatments for weeds, road work, and repair of a small earthen dam.

Castle Crags State Park Root Creek Drainage Forest Management Plan and Public Safety Improvement Project IS/MND, Shasta and Siskiyou Counties

California State Parks

Wildlife Biologist

Ted is authoring the biological resources section of an IS/MND that Ascent is preparing for the development and implementation of a Forest Management Plan and emergency access project for Castle Crags State Park. The park is in the upper reaches of the Sacramento River Canyon in northern Shasta County and extends from the Sacramento River to the base of Castle Crags. The Forest Plan will guide future fire risk reduction and habitat management of the forest in the Root Creek Drainage, including prescribed burning, ongoing vegetation management, and a new emergency access route. The park contains multiple campgrounds, picnic areas, hiking trails, a portion of the Pacific Crest Trail, and several water features, including Castle Creek, Indian Creek, Root Creek, Fall Creek, and the Sacramento River.

Oak Knoll Hotel EIR, Napa County

Napa County

Wildlife Biologist

Ted authored the biological resources chapter of the EIR for the demolition of existing structures and construction of a new 50-room hotel, 100-seat restaurant, and 4,100-square-foot retail space on a 3.54-acre parcel located at 5091 Solano Avenue in unincorporated Napa County.

Yountville Hill Winery Project EIR, Napa County

Napa County

Biologist

Ted revised the biological resources section of the Recirculated Draft EIR for the construction of a new winery on a 10.9-acre site in unincorporated Napa County, near Yountville. Revisions focused on tree removal and mitigation.

Diablo Country Club Recycled Water Project EIR, Contra Costa County

Central Contra Costa Sanitary District

Wildlife Biologist

Ted is preparing the biological resources section of the EIR that will analyze the construction of a satellite water recycling facility, expansion of existing ponds, and installation of pipelines on the Diablo Country Club and in the town of Diablo in unincorporated Contra Costa County.

Butterfly Twain and Fuels Reduction and Landscape Restoration Project, Plumas County

Sierra Nevada Conservancy

Environmental Analyst

Ted was primary author on the Initial Study/Mitigated Negative Declaration that analyzed wildland urban interface fuels treatments within a portion of a larger U.S. Forest Service project area on the Mount Hough Ranger District, Plumas National Forest. Ascent was contracted to analyze the portion of the project funded by the Sierra Nevada Conservancy together with other portions of the project that may be awarded funding in the future including further fuels reduction treatments, prescribed fire, herbicide treatments for weeds, road work, and repair of a small earthen dam.

Sangwoo Lee, AICP, LEED AP

VISUAL SIMULATIONS/URBAN DESIGN

YEARS OF EXPERIENCE 15

EDUCATION

MS, Urban Design, Columbia University, New York, NY

MS, Urban Planning, University of Michigan Ann Arbor, Ann Arbor, MI

BS, Urban Planning & Engineering, Yonsei University, Seoul, Korea

PROFESSIONAL REGISTRATIONS

AICP Certified Planner

LEED AP

PROFESSIONAL AFFILIATIONS

American Institute of Certified Planners (AICP)

LANGUAGES SPOKEN:

English

Korean

REPRESENTATIVE PROFESSIONAL WORKSHOPS/PRESENTATIONS

Award of Merit, Nuvali CBD Concept Master Plan, Pacific Coast Builders Conference, 2013

Excellence Award for Best Small Project, "Cidade da Copa", AECOM, 2012

Innovation in Planning Award, Sandia National Laboratories Site Development Plan, APA New Mexico Chapter, 2011

Merit Award, Easton Land Use Master Plan, APA California Chapter, 2009

Traveling Prize, Columbia University Postgraduate William Kinne Fellows New York, 2003

Excellence in Urban Design Award, Yonsei University Seoul, Korea, 2000

Sangwoo Lee, AICP, LEED AP, specializes in physical planning and urban design at various scales, ranging from large master planned communities to smaller infill sites. He believes in the holistic design approach where land use, transportation, water, energy, habitat, buildings, and landscape need to work as an integrated system in order to produce the best, sustainable outcome. As a LEED accredited professional, his focus is on integrating sustainable principles into the design at the building, site, and larger community scale. He has worked on projects in different geographic regions, such as in the United States, Asia, Latin America, and the Middle East. Sangwoo is a certified planner and is fluent in both English and Korean.

PROJECT EXPERIENCE

Miller/Knox Regional Shoreline Land Use Plan Amendment Program EIR, Contra Costa County

East Bay Regional Park District

Project Manager

Miller/Knox Regional Shoreline is a shoreline park in the community of Point Richmond. Ascent is assisting the East Bay Regional Park District with preparation of a program EIR to analyze the significant environmental effects associated with implementation of the LUPA. Lily participated in the scoping process and organized interagency coordination with responsible agencies to identify key issues and expectations early in the CEQA process, including BCDC, State Lands Commission, San Francisco Bay RWQCB, U.S. Army Corps of Engineers, and CDFW. Sang led the visual simulations for the Miller Knox Regional Park Land Use Plan Amendment (LUPA), working with the East Bay Regional Park District. Locations for the simulations within the park included Ferry Point, Bray Property, and the Lagoon area with panoramic views to San Francisco and the iconic bridges across the bay. Sang assisted with the view point selection and setting the overall composition for each view, as well as design concepts consistent with the Land Use Plan update, to portray in the simulations.

Sacramento County Grant Line Visioning Area

County of Sacramento

Urban Planner/Designer

Sangwoo served as the urban planner/designer of a study to examine land uses south of Grant Line Road between the proposed Elk Grove Sports Facility on the west and Sloughhouse Road on the east. The approximately 3,200-acre study is examining how existing agricultural lands could be converted to other uses as south county lands urbanize due to development pressures and regional improvements that are made to the roadway infrastructure. Grant Line Road will become part of a new high-speed roadway known as the Collector that will link I-5 and SR 99 in Elk Grove (south of Sacramento) to US Highway 50 in El Dorado Hills (east of Sacramento). Lands in this study have frontage adjacent to the collector and are likely to include future residential, commercial, civic, and park uses.

Sangwoo Lee, AICP, LEED AP

Sunnyvale Downtown Specific Plan Update, Santa Clara County

City of Sunnyvale

Urban Designer

Urban designer of a planning effort to allow for greater amounts of housing, office, and retail in a very desirable South Bay location(year completed). The Specific Plan update will help the City establish a long-term plan and framework to support walkable growth and development in the downtown area of Sunnyvale. The plan will be updated to accommodate several ongoing plan proposals currently taking place at the City, ensuring the coordination of project proposals with the existing surrounding context and the City's vision for downtown.

River Park Development Planning and Design, Yolo County

Richland Communities, Inc./Triple M Properties

Urban Planner

This project required land planning and design services for a 450-acre site in the Southport Plan area of West Sacramento, along the Sacramento River. Primary planning goals included preserving the site's unique natural resources, creating a public realm that was connected at the site and at regional levels, and providing a range of housing choices for its residents. To achieve these goals, a network had to be created which encompassed interconnected parks and open spaces that preserved the site's natural resources, such as existing oak groves; promoted best practices in stormwater management through a non-piped solution; and achieved a higher net density through compact development that embraced a wide range of housing choices.

Sacramento Entertainment and Sports Complex and Intermodal Transportation Facility Planning, Sacramento County

City of Sacramento

Urban Designer

Interdisciplinary services were provided for the planning and design of the new Entertainment and Sports Center in downtown Sacramento, a new regional destination anchored by the NBA arena for the Sacramento Kings. Sangwoo was the architect behind the innovative pedestrian flow analysis for the arena, in which the principles and standards from the Green Guide were adopted and applied to visually analyze whether the circulation areas in and around the main venue were adequately sized.

Sierra Vista Specific Plan, Placer County

City of Roseville

Project Manager and Urban Planner

The Sierra Vista Specific Plan consists of an area of approximately 2,200 acres at the western edge of Roseville, involving six different land owners and developers. The site was largely undeveloped with rural residential uses, gentle topography, a few creek corridors, and seasonal wetlands. Sangwoo worked with the City of Roseville, landowners/developers, and other consultants to develop a plan that was consistent with the SACOG Blueprint principles as it related to the mix of uses, housing density, transportation options, and preservation of natural resources.

Cedar Grove Apartments Affordable Housing Project EIR/EIS Alternative Site Plans, Tahoe Vista

Confidential Client

Site Planner

Cedar Grove Apartments was a newly planned multi-family residential apartment complex on the north shore of Lake Tahoe. As part of EIS/EIR preparation, Sangwoo worked on the two site plan alternatives that acted as a comparative measure to assess the impact of the proposed project by the applicant. The two alternatives included a reduced density alternative and an increased density alternative. Main design considerations for the alternative plans included creating views to the lake, preservation of existing cedars and 30" dbh trees, minimizing grading, and creating a sense of community.

Andrea Villarroel

VISUAL SIMULATIONS/LANDSCAPE ARCHITECTURE

YEARS OF EXPERIENCE 3

EDUCATION

MLA (Master of Landscape Architecture), University of Idaho

MS, Geography, University of Idaho

Certificate in GIS, University of Idaho

BS, Geography, University of Idaho

AA, Architecture, Truckee Meadows Community College

PROFESSIONAL AFFILIATIONS

Member, American Society of Landscape Architects, California Sierra Chapter

AWARDS AND HONORS

University of Idaho, Landscape Architecture Distinguished Student Award

ASLA ID/MT Chapter, Student Honor Award

LANGUAGES SPOKEN

English

Spanish

Andrea Villarroel is an urban designer and landscape designer with experience in master planning, landscape design, and 3D rendering for projects in the public and private sectors. She has worked on projects ranging from large master plans to smaller residential landscape plans, including urban plazas and parks, ecological restorations, university and college campuses, and mixed-use developments. She has prepared master plans, streetscape plans, and construction documents, as well as stormwater and irrigation water calculations. Andrea has a passion for designing spaces that incorporate sustainable solutions to environmental problems and for creating spaces that focus on walkability and pedestrian activity. She has GIS experience working at a city as well as in a university, completing a variety of tasks related to spatial analysis and cartography, as well as being a GIS instructor at the university level.

PROJECT EXPERIENCE

Sunnyvale Downtown Specific Plan Update, Santa Clara County

City of Sunnyvale

Urban Designer/Landscape Designer

The Specific Plan update will help the City establish a long-term plan and framework to support walkable growth and development in the downtown area of Sunnyvale. The plan will be updated to accommodate several ongoing plan proposals currently taking place at the City, ensuring the coordination of project proposals with the existing surrounding context and the City's vision for downtown. Andrea participated as an urban designer on the Specific Plan update to develop downtown Sunnyvale as a high-density, mixed-use town center adjacent to the Caltrain station.

Washington Specific Plan Update, Yolo County

City of West Sacramento Community Development Department

Urban Designer/Landscape Designer

West Sacramento's Washington neighborhood contains much of the city's historic and cultural resources. The City is comprehensively updating the 1996 Washington Specific Plan in order to help the neighborhood achieve its full potential. Ascent is updating the Specific Plan to address development and architectural standards, streetcar and transit-oriented development standards, historic preservation, sustainability, and signage in the area. Andrea is the urban designer for land planning and design services.

West Broadway Specific Plan, Sacramento County

City of Sacramento

Urban Designer/Landscape Designer

The West Broadway area includes a mixed-use planned development under construction, known as the Mill at Broadway, the public housing communities of Alder Grove and Marina Vista, the William Land Woods affordable housing community, over 30 acres of industrial land uses, two schools, Miller Regional Park and the Sacramento Marina, and the western end of the Broadway corridor. The Specific Plan will focus on stitching together these seemingly disparate land uses into a vibrant, connected, and mixed-use community, with opportunities for improved neighborhood connections, new urban-scale housing development, and neighborhood-scale

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commercial and service uses and amenities. The Specific Plan will provide the vision, policies, regulations, and improvements needed to support and unlock the development constraints in the area, promote new infill growth, and enhance local placemaking within the Northwest Land Park and West Broadway area. Ascent is currently working with the City on the development of a master plan vision, Specific Plan, and EIR for West Broadway.

River Park Development Planning and Design, Yolo County

Richland Communities, Inc./Triple M Properties

Urban Designer/Landscape Designer

The proposed development includes 450 acres in the Southport Area of West Sacramento. The land is part of the Southeast Village and is located at the bend in the Sacramento River, just south of downtown. Development of the concept responds to three goals: create a network of interconnected park and open spaces that preserve the site's natural resources, promote best practices in stormwater management through a non-piped solution, and achieve a higher net density through compact development that embraces a wide range of housing choices. Andrea is the urban designer for land planning and design services.

CRAIG HERZOG
Principal Engineer

EDUCATION

University of California, Berkeley; M.S., Geotechnical Engineering, 1990
California Polytechnic State University, San Luis Obispo; B.S., Civil Engineering, 1989

REGISTRATION

California Registered Geotechnical Engineer, GE 2383
California Registered Civil Engineer, CE 50911

PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers
Geo-Institute
U.C. Berkeley Geotechnical Society

PROFESSIONAL HISTORY

1994–Present	Principal Engineer – Herzog Geotechnical, Mill Valley, CA
1992–1994	Project Engineer – Huntingdon Engineering and Environmental, Petaluma, CA
1990–1992	Staff Engineer - Huntingdon Engineering and Environmental, Petaluma, CA
1985–1990	Field Technician - Donald Herzog & Associates, Santa Rosa, CA

REPRESENTATIVE EXPERIENCE

Responsible for performing geotechnical analysis, design and project management. Experience includes seismic site response, settlement and stability analyses of fill over soft soils, lateral support systems, deep foundations, rock slope stability, liquefaction evaluation, pavement design, landslide evaluation and repair, geologic hazard evaluation and computer applications for geotechnical design. He was a former state director and Marin Chapter president of American Council of Engineering Companies (formerly Consulting Engineers and Land Surveyors of California). He also presented a lecture on slope stability at the California Licensed Foresters Association's Identification and Management of Unstable Areas on Forested Landscapes workshop and is a member of the State Mining and Geology Board's Technical Advisory Committee on Forest Geology.

REPRESENTATIVE PROJECTS

- **CITY OF NOVATO, PLANNING AND ENGINEERING DIVISIONS,** Novato, CA. Provided geotechnical consultation and peer review for numerous projects, including Novato Community Hospital, Marin Country Club Development, Black Point Golf Links, Atherton Ranch, Woodside Development, Olive Ridge, Hamilton Hangers, Inspiration at Chapel Hill, Oleander Lane Subdivision, Olive Court, Brookside Meadows, Marin Business Center and Woodview, and others.

- **MARIN MUNICIPAL WATER DISTRICT,** Marin County, CA. Performed geotechnical investigations and provided services during construction and retrofit of numerous large water tanks and pipeline projects. Projects have included Summit Trail Tank Replacement, Vernal Avenue Water Tank, Tiburon First Lift Tank, Lapachet Tank Replacement, Manzanita Tank Replacement, Terra

Linda Tank, Bret Harte Tank, Marinwood Tank, Scott Tanks #1 and #2, Concrete Pipe Road Pipe Replacement Project, Rafael Highlands Tank, Phoenix Lake Access Road Stabilization, Oak Springs Drive Landslide/Pipeline Realignment, Sky Oaks Road Stabilization, and others.

- **TOWN OF CORTE MADERA,** Corte Madera, CA. Provided geotechnical engineering services for remedial and capital improvement projects for the Town of Corte Madera, including Fire Station #13 Replacement, Montecito Drive Retaining Wall, Sewer Replacements (Oakdale Avenue, Manzanita Avenue, Alta Way), Storm Drain Replacements (Meadowsweet Drive, Corte Madera Avenue), Shorebird Pump Station, District No. 1 Main Replacement, Alta Way Roadway Stabilization, Redwood Avenue Retaining Wall, Bayside Trail/San Clemente Park, Corte Madera Skate Park, and others.

- **REDWOOD CREEK RESTORATION PROJECT**, Muir Beach, CA. Geotechnical investigation and construction observation for a new pedestrian bridge and creek restoration work. Project included an evaluation of liquefaction-induced lateral spreading and settlements in accordance with updated California Division of Mines and Geology guidelines, and of developing recommendations for torque-down piles for support of several-foot-long pedestrian bridge.

- **SAN JOSE REGIONAL LANDSLIDE STUDY**, San Jose, CA. Detailed evaluation of the stability of numerous active, deep-seated landslides in the San Jose East Foothills, including the over 300-foot-deep Penitencia Creek Landslide. Study included reviewing hundreds of geotechnical and geologic reports prepared in the Special Geologic Hazard Area, compiling and evaluating existing laboratory test data and analysis procedures, analyzing earthquake site response, slope stability and earthquake-induced deformations of existing slopes, and developing recommended geotechnical guidelines and procedures for use by the City of San Jose for investigation and analysis of deep-seated landslides.

- **FAIRFAX STREETS,** Fairfax, CA. Geotechnical investigation and design recommendations for stabilizing numerous streets in connection with Measure K roadway improvements. Also performed investigation and construction observation during emergency repairs of town streets.

- **GEOTECHNICAL PEER REVIEW SERVICES,** Larkspur, San Anselmo, Novato, Marin County, CA. Provided review of geotechnical planning and building permit-level submittals to evaluate conformance with local ordinances and geotechnical standards of practice.

- **MARIN COUNTY CORRECTIONAL FACILITY,** San Rafael, CA. Provided geotechnical services during construction of new jail building adjacent to existing Frank Lloyd Wright Civic Center. Project included monitoring of blasting, performing kinematic and stability analyses for extensive rock cutslopes, and providing recommendations for permanent tieback anchors to shore 35-foot-high slopes adjacent to the Civic Center.

- **GOLDEN GATE BRIDGE - SOUTH TOWER,** San Francisco, CA. Performed an evaluation of potential backfill materials suitable for placement between the existing bridge pier and surrounding coffer dam to absorb the impact of large supertankers.

- **WHITES HILL,** Woodacre, CA. Performed stability analyses of four major landslides and provided design alternatives for protection of adjacent roadway. Among considered alternatives were tied-back lateral support systems, geogrid-reinforced buttress fills, and soldier pile bridges. Performed construction inspection during construction of slide repairs.

KEVIN JAMES RYAN, P.G., C.E.G.

PRINCIPAL ENGINEERING GEOLOGIST

EDUCATION
Bachelor of Science, Geology
Humboldt State University, 1998

CALIFORNIA LICENSURE
Certified Engineering Geologist, CEG No. 2404
Professional Geologist, PG No. 7796

PROFESSIONAL HISTORY

Ryan Geological Consulting, Inc.
President/Principal Engineering Geologist
2010–Present

Berlogar Geotechnical
Senior Engineering Geologist
1999–2009

Mendocino Redwood Co.
Watershed Geologist
1998–1999

SUMMARY

Mr. Ryan has over 18 years of experience as an engineering geologist in the San Francisco Bay Area focusing on landslide evaluation and stabilization, geotechnical engineering, earthwork grading, geologic hazard assessment, slope stability evaluation, Alquist-Priolo fault investigations, expansive soil mitigation, creek bank stability, drainage improvements, and quarry mining and reclamation. Additionally, Mr. Ryan has provided geologic expert services for litigation cases, performed post-development forensic investigations of reactivated ancient bedrock landslides, and performed peer review services for government and private agencies. His background is in landslide evaluations and repair, engineering geology, geologic/geomorphology, structural geology, Quaternary geomorphology, and neotectonics. Mr. Ryan has vast experience in California geology and has performed hundreds of site evaluations in varied geologic conditions, specifically in the San Francisco Bay Area. As a geotechnical consultant, Mr. Ryan is familiar with California building codes, the Alquist-Priolo Earthquake Fault Zoning Act, state geologic hazard regulations, land use, and land use planning.

Mr. Ryan's field experience includes geologic mapping during excavation of hundreds of sites and evaluation of over 75 large-scale bedrock landslides and hundreds of shallow landslides throughout the San Francisco Bay Area. Additionally, he has logged over 30,000 linear feet of exploratory trench investigating several of the Bay Area faults and the head scarp of large ancient bedrock landslides, geologic mapping of several open pit quarry and potential quarry sites, mapping of the exposed subsurface conditions at over three dozen large-scale residential construction sites, and logging of several thousand exploratory test pit exposures throughout the region. He has also logged over 15,000 linear feet of core samples in bedrock landslide and quarry investigations. This vast and diverse experience in the geologic characterization of sites has led to his professional expertise and efficiency in performing geologic work. He has worked on both sides of the peer review process, serving as a peer reviewer as well as interacting and responding to peer reviewers on his projects. He possesses a solid foundation in geomorphology, engineering geology, structural geology, neotectonics, aerial photograph interpretation, geologic and geomorphic mapping, and petrology. Below is a brief list of representative projects.

SELECTED PROJECT EXPERIENCE

Engineering Geologic Peer Reviewer – Town of Moraga, California

As an industry expert, Mr. Ryan provides on-call engineering geologic services to the Town of Moraga. Projects include landslide evaluation, earthwork grading review, review of Geologic Hazard Abatement District documents, evaluation of landslides repair projects, mitigation of rock fall hazards, and general consultation.

Caldecott Tunnels 4th Bore Project, Contra Costa and Alameda Counties, California

Mr. Ryan was selected to provide engineering geologic observations during sequential mining of the Caldecott Tunnels 4th Bore Project. His main role was to characterize the geologic materials and structure and to recommend appropriate support categories to facilitate future mining. Additionally, Mr. Ryan created record maps of hundreds of excavation exposures as the mining progressed through the Berkeley Hills.

Napa Oaks Fault Study, Napa, Napa County California

Mr. Ryan was the principal geologist in charge of investigating and evaluating recent surface fault rupture from the 2014 West Napa Earthquake. The investigation included excavating and logging over 1,700 linear feet of exploratory

trench defined n active, previously undefined trace of the West Napa fault. Mr. Ryan's work was reviewed by lead geologists from the U.S. Geological Survey and the California Geological Survey. The findings caused alteration to land plans and were incorporated into the fault evaluation report (FER-256) and new 2018 Alquist-Priolo earthquake fault zone maps by the State of California.

Earthquake Fault Investigation Hemme Avenue Properties, Alamo, Contra Costa County, California
Mr. Ryan was the principal geologist in charge of investigating suspected traces of the Calaveras fault at the Hemme Avenue site. At this location, the fault location is obscured. Mr. Ryan used a combination of trench explorations and geophysical methods to evaluate the possible presence of the fault.

Earthquake Fault Investigation, North Livermore Properties, Livermore, California
Mr. Ryan conducted a subsurface investigation of the Greenville fault in Livermore. In total, this project included logging of roughly 5,000 linear feet of exploratory trench trending across the Livermore Valley. Two active fault traces were located bounding a sag pond called Frick Lake. The fault traces were located in several trenches across the fault zone, and setbacks for residential development were established based on Mr. Ryan's work. This data was also provided to the State of California for integration in their fault evaluation report for the Greenville fault.

Alameda Creek Fish Passage, Sunol, California
Mr. Ryan is providing engineering geologic services for the active Alameda Creek Fish Passage project in Sunol. Tasks included evaluation of existing geotechnical and groundwater information, observations during drilling soil nails, geologic mapping of the excavation face, design and installation of slope inclinometers, monitoring groundwater seepage, and general consultation on subsurface conditions.

Landslide Evaluation, Rossmoor District, Walnut Creek, California
Mr. Ryan is the engineering geologist in charge of evaluating a large bedrock landslide impacting site improvements. Tasks for the evaluation included logging borings for subsurface conditions, installation and monitoring of slope inclinometers, design, installation and monitoring of piezometers, and evaluation of data collected.

Landslide Stabilization For Fallon Road Bridge, Dublin, California
Mr. Ryan conducted engineering geologic review of excavations performed during remedial grading of two ancient bedrock landslides located within the alignment for the Fallon Road extension and impacted construction of both bridge abutments. His role was to determine when the keyway excavations had penetrated to below the landslide slip surface and when removal of the landslide materials had been achieved. He correctly identified the base of the ancient landslide and approved the excavation for compliance with previous geotechnical recommendations.

Upper Sand Creek Basin, Antioch, Contra Costa County, California
Mr. Ryan provided engineering geology services during grading of the Sand Creek Basin Flood Control project in Antioch. He was responsible for evaluating the adequacy of landslide repairs during over excavation, characterizing bedrock structure exposed in design cuts. The project included evaluating the stability of deep cuts for access roads and stabilization of several large landslides along the perimeter of the planned basin. Additional tasks for the project included design, installation, and monitoring of dewatering wells for temporary construction purposes.

Engineering Geologic Inspection During Remedial Earthwork
Mr. Ryan's experience at remedial earthwork (site grading) is extensive. He has performed engineering geologic mapping at dozens of residential construction sites around the San Francisco Bay Area. His role was in creating as-built geologic maps of the exposures, approving keyway excavations for compliance with geotechnical recommendations, and providing technical recommendations for treatment of adverse (unsuitable or unstable) geologic conditions exposed during site grading. Mr. Ryan's geologic expertise allows him to rapidly identify adverse geologic conditions and to make logical decisions in the field that work within the site parameters and project goals while keeping the project moving forward.

Debris Flow and Sedimentation Hazards Study, Fairfield and Vacaville, Solano County, California
Mr. Ryan performed extensive mapping of debris flows and sedimentation hazards following the intense 2005/2006 storm season. The project included the evaluation of over 50 recent debris flows at scattered locations around the western boundary of the cities. Run-out distances and sediment volumes were estimated based on the field observations. He also provided technical recommendations for the successful mitigation of the sedimentation hazard.

DAVID PARISI, PE, TE

PRINCIPAL IN CHARGE

David Parisi manages a variety of challenging transportation projects throughout the West Coast. Mr. Parisi's 30 years of experience include various aspects of transportation and environmental planning, and civil and traffic engineering. He spearheads multidisciplinary transportation projects from inception through design and development. These projects include environmental assessments in accordance with NEPA and CEQA; highway, railway, and multi-modal corridor studies; area-wide traffic circulation studies; rail transit projects; roadway and interchange feasibility analyses; access planning for pedestrians, bicyclists, and people with disabilities; localized traffic impact evaluations; and transportation system improvements.

David Parisi specializes in developing Complete Street, transit and transit-oriented development, traffic calming and Vision Zero, and Safe Route to School projects. His relevant experience in these areas includes:

COMPLETE STREETS

- Better Market Street Plan, San Francisco: Project manager
- Miller Avenue Plan, Mill Valley: Project manager
- Bridgeway Multimodal Project, Sausalito: Project manager
- 19th Avenue/Park Presdio Transportation Plan: Project manager
- Front Street (SR 22) Main Street Project, Salem: Traffic engineer
- Tacoma Main Street Project, Portland: Traffic engineer

TRANSIT AND TRANSIT-ORIENTED DEVELOPMENT

- Geary Corridor Bus Rapid Transit, San Francisco, Project manager
- Cascade Station TOD, Portland: Project manager
- Third Street Light Rail Project, San Francisco: Transportation engineer
- Loma Rica Ranch TND, Grass Valley: Transportation engineer
- Portland-Vancouver High Capacity Transit: Transportation engineer
- AirMAX Light Rail Project, Portland: Transportation engineer

VISION ZERO AND TRAFFIC CALMING

- Marin County Systemic Safety Analysis Report, Marin County: Project manager
- Traffic Calming Guidebook Development, Various Cities: Manager
- San Jose Schools Traffic Calming Program, San Jose: Project manager
- San Francisco Vision Zero Ramp Intersections Study, San Francisco: Principal-in-Charge
- Golden Gate Park Traffic Calming Plan, San Francisco: Manager
- Sacramento Vision Zero Citywide Project, Traffic engineer

SAFE ROUTES TO SCHOOL

- Marin County SR2S Program, Marin County: Program manager
- Santa Barbara SR2S Project, Santa Barbara: Transportation engineer
- ITE School Safety Task Force, California: Committee chair
- Safe Routes to School Training Workshops, National: Project manager
- California Statewide Safe Routes to School Committee: Member
- Pasadena Suggested Routes to School Program: Project manager

PROFESSIONAL HIGHLIGHTS

- Registered Civil Engineer and Traffic Engineer
- 30 years of experience
- Certified Walkable Community Workshop Trainer (Caltrans and Dept. of Health Services)
- National trainer in Traffic Calming and Safe Routes to Schools
- Developed National Safe Routes to School Training Course for FHWA and the Pedestrian and Bicycle Information Center (PBIC)
- Member of ITE, WTS, and CNU
- Past president of 700-member Bay Area Section of Institute of Transportation Engineers

EDUCATION

- B.S., Civil Engineering, Colorado State University, 1985

PUBLICATIONS

- NACTO Urban Bikeway Design Guide, 2013
- "Transportation Practitioners – Stakeholders in Safer Routes to School, ITE Journal, 2012
- "Transportation Professionals Get Involved with Safe Routes to School", ITE Journal, 2005
- "Transportation Tools to Improve Children's Health and Mobility", CA DHS, OTS and LGC, 2003
- "A Community-Driven Approach to Traffic Calming", ITE 2001
- "What is 'Trip Capacity' and Why is it Important in Mixed Use Transit Oriented Development?", Railvolution 2001
- "Can An Arterial Roadway Be A Main Street", ITE International Conference 1999.
- "Prioritizing Multi-Modal Projects", Pro Walk International Conference, 1996

Parisi
TRANSPORTATION CONSULTING

ANDREW LEE, PE, TE

TRAFFIC ENGINEER

Andrew Lee has 11 years' experience with a variety of transportation projects throughout California. His work at Parisi encompasses a wide variety of project types and phases, spanning from initial transportation planning and conceptual design; to detailed traffic and civil designs, plans, specifications, and cost estimates (PS&E); and Caltrans permitting. Andrew specializes in developing innovative and creative designs for multimodal traffic, including Vision Zero projects, vehicular and bicycle roundabouts, one- and two-way separated bikeways (cycletracks), multiuse paths, and ADA retrofits to pedestrian facilities. As a transportation planner with the San Francisco Municipal Transportation Agency (SFMTA), he helped identify a staff-recommended alternative on the Geary Corridor Bus Rapid Transit project and three unique alternatives for the Better Market Street project. His broader experience includes non-motorized transportation planning, transit access studies, and traffic circulation studies.

Mr. Lee specializes in Complete Streets, transit and transit-oriented development, transportation element updates, travel demand modeling, and Safe Routes to School projects. His relevant experience in these areas includes:

COMPLETE STREETS

- Central Marin Ferry Roundabout Design, Larkspur: Traffic engineer
- Tiburon Boulevard Bike Box Design, Tiburon: Traffic engineer
- Madera Blvd. Roundabout Design, Corte Madera: Traffic engineer
- Hearst Avenue Complete Street, Berkeley: Traffic engineer
- Woodside Road (SR 84) Complete Street Plan: Traffic engineer
- SFMTA 2013-2018 Bicycle Strategy, San Francisco: Project manager

SAFETY AND VISION ZERO

- San Francisco Vision Zero Ramp Intersections Study, San Francisco: Project manager
- Marin County Systemic Safety Analysis, Marin County: Traffic engineer
- Better Market Street, San Francisco: Transportation planner
- San Bruno Walk 'n' Bike Plan: Traffic engineer
- Napa Valley Vine Train Crossing Study, Napa County: Traffic engineer
- Bay Trail-Vine Trail Feasibility Study, Vallejo: Traffic engineer
- Transit and Transit-Oriented Development
- Marin Transit Bus Stop Improvements, Larkspur: Traffic engineer
- Geary Bus Rapid Transit, San Francisco: Transportation planner
- Market Street Transit Optimization Plan, Transportation planner

SAFE ROUTES TO SCHOOL

- San Mateo County SR 2S Program (Half Moon Bay, Burlingame, Millbrae, San Carlos, South San Francisco): Transportation engineer
- Las Lomitas Elementary School Transportation Study, Atherton: Traffic engineer
- Marin County SR 2S Program, Marin County: Traffic engineer

PROFESSIONAL HIGHLIGHTS

- Registered Civil Engineer and Traffic Engineer
- 11 years of experience
- California Traffic Control Devices Committee (CTC-DC) 2015 quarterly meeting presenter, "Experimental Treatment, SR 131-Blackfield Bike Boxes"
- California by Bike 2013 Conference Presenter, "SFMTA Bicycle Strategy"
- UCLA Complete Streets 2013 Conference Presenter, "Building a Better Market Street"
- SF Bay ITE 2013 monthly meeting presenter, "Geary Bus Rapid Transit Project"
- SPUR SF 2012 presenter, "Geary Boulevard"

EDUCATION

- M.A. Urban Planning, UCLA, 2010
- B.S. Civil Engineering, Cal Poly SLO, 2002
- UC Berkeley Extension, Project Management, 2013

PUBLICATIONS

- "Commute Distance and Ethnic Neighborhoods", TRB 201

Cindy Arrington, M.S., RPA — Principal

Education

M.S., Historical Archeology, California State University, San Jose
B.A., Anthropology, California State University, San Jose

Certifications/Affiliations

Registered Professional Archeologist
40-hour Hazardous Operations and Response Certification (#99-146)
Society for California Archaeology
Society for Historical Archaeology

Cindy Arrington has more than 20 years of experience in cultural resources management. She is experienced with the regulatory framework in California, Wyoming, Nevada, Washington, and Oregon. She has also served as a corporate trainer providing private and public clients with instruction in Section 106 and consulting with Native American groups.

Ms. Arrington has extensive experience in multidisciplinary team management in the environmental profession. She has expertise in project performance and compliance with federal, state, and local regulations; implementation of environmental mitigation monitoring plans for complex construction projects; preparation of reports; and direction of cultural resources surveys, and excavation. Her wide range of experience in cultural resource management includes the development of cultural mitigation treatment plans; conducting cultural resource assessments on small- and large-scale projects, and California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) documentation.

Ms. Arrington has authored/co-authored hundreds of technical reports under compliance with federal, state, and local regulations (NEPA, NHPA, Section 106, CEQA, SEPA) and agencies (U.S. Bureau of Land Management, U.S. Bureau of Reclamation, U.S. Army Corps of Engineers, U.S. Forest Service, California Energy Commission, California Department of Transportation, California Public Utilities Commission, etc.).

Representative Project Experience

Green Valley Road Project, El Dorado County, Project Manager. Cultural resource services included literature and Sacred Lands File searches, a pedestrian survey of the Area of Potential Effects, on-site Native American consultation, and a project effects assessment. The study was completed in compliance with Section 106 of the National Historic Preservation Act of 1966, as amended.

Prospect Island Project, Solano County, Project Manager. Responsible for cultural resources report on survey of 1,339 acres for tidal wetlands and fish habitat restoration and preparation of effects assessment for the California Department of Water Resources. Section 106 and CEQA compliance. Recorded and evaluated three historic-era resources. Lead federal agency: U.S. Army Corps of Engineers, Sacramento District.

Hazardous Materials Building Demolition in San Francisco. Project manager for a team of HAZWOPER trained archeaologists to oversee the demolition and removal of two buildings (foundations and utility lines) known to contain hazardous materials within a historically archealogically senstive area of San Francisco.

Prospect Ridge Subdivision, City of Folsom, Sacramento County, Project Manager. Cultural resources services by Natural Investigations included literature, Sacred Lands File, and paleontological records searches; contact list request for Senate Bill 18 consultation; pedestrian survey of the proposed project area for cultural and paleontological resources; and technical report. This study was completed in compliance with CEQA. The project consists of developing 8.69 acres on the south side of Levy Road into 35 single-family residential lots, an internal cul-de-sac, and 0.58 acres of open space. The City is the state lead agency for the project.

Placer Greens Development Project, Placer County, Project Manager and Field Director. Cultural resource services included literature and Sacred Lands File searches, a pedestrian survey of the Area of Potential Effects, on-site Native American consultation, and a project effects assessment. The study was completed in compliance with CEQA and with Section 106 of the National Historic Preservation Act in anticipation of the requirement for a Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers.

Archaeological Analysis of Prehistoric and Historic Sites, Yerba Buena Island, Principal Investigator. Oversaw 22 field archaeologists for the excavation and analysis of a prehistoric buried shell midden (known to contain human remains) and historic-period structural remains associated with nineteenth- and early twentieth-century military use of the island. The data recovery excavations addressed adverse effects to the prehistoric component of SFR-4/H and, secondarily, to provide for the compressed evaluation and treatment (consistent with Section 106 of the National Historic Preservation Act) of any historic-period features that might be uncovered during data recovery at the site.

Mill Creek Development Project, Placer County. Project manager for literature and Sacred Lands File searches, pedestrian survey of the Area of Potential Effects, on-site Native American consultation, and a project effects assessment. The study was completed in compliance with CEQA and with Section 106 of the National Historic Preservation Act in anticipation of the requirement for a Clean Water Act Section 404 Permit from the U.S. Army Corps of Engineers.

Panoche Valley Solar Farm, San Benito and Fresno Counties. Project manager for Off-Site Conservation Lands for the Panoche Valley Solar Farm Project. Services completed include cultural resources surveys of 582 acres, three Inventory and Impact Assessment Reports, a supplemental survey to examine documented resources within the APE for the presence of below-ground features, a Supplemental Report for a microwave tower on Panoche Mountain, and an updated records search for the 2,506-acre project.

Amazing Facts Ministries Project, Placer County. Responsible for cultural resources report on limited site testing, effects assessment, and discovery plan for the new facility. Of seven identified resources on the 84-acre property, five prehistoric sites were determined eligible for National and California Register listing under Criterion A/1 for association with larger occupation complex or village, two of which were also eligible under Criterion D/4 for data potential; the project will avoid and have no adverse effect. Section 106 and CEQA compliance; consultation with Shingle Springs Band of Miwok Indians and United Auburn Indian Community. Also contributed to Operations and Management Plan for Amazing Facts Open Space Preserve and to Perpetual Conservation Easement Grant to protect cultural and natural resources. Lead federal agency: U.S. Army Corps of Engineers, Sacramento District.

Nancy Sikes, Ph.D., RPA — Principal Investigator

Education

Ph.D., Anthropology (Archaeology), University of Illinois at Urbana-Champaign
M.A., Anthropology (Archaeology), University of Illinois at Urbana-Champaign
B.A. with distinction, Anthropology/Museology, University of Nevada-Reno

Certifications/Affiliations

Registered Professional Archaeologist (RPA)
Society for American Archaeology (SAA)
Society for California Archaeology (SCA)

Dr. Nancy Sikes has more than 25 years of cultural resources and historic preservation experience in a wide range of research settings and world areas. As a Principal Investigator, she has participated in all aspects of cultural resource management projects in Northern and Southern California, Nevada, Utah, Washington, and Wyoming, and has completed hundreds of projects and authored or co-authored technical reports under compliance with federal, state, and local regulations (NEPA, NHPA, Section 106, CEQA, SEPA) and agencies (Bureau of Land Management, Bureau of Reclamation, U.S. Army Corps of Engineers, U.S. Forest Service, Yosemite National Park, California Energy Commission, California Department of Transportation [Caltrans], California Public Utilities Commission, Beale Air Force Base, etc.). Nancy has completed dozens of cultural resources sections at a project or program level for EIRs, EISs, EAs, ISs, etc., and developed treatment plans and research designs under state and Section 106 guidelines.

Representative Project Experience

Auburn State Recreation Area, Resource Management Plan/General Plan, Placer and El Dorado Counties. As Principal Investigator, authored the existing conditions section on cultural and paleontological resources of the RMP/GP-EIS/EIR, and peer reviewed the sections of that document on issues, opportunities and constraints, goals and guidelines for resource protection and management, and environmental impacts of the proposed RMP/GP. The existing conditions section is divided into subsections: Regulatory Setting, Cultural Setting, Documented Cultural Resources, Indian Trust Assets and Indian Sacred Sites, Paleontological Setting, and Documented Paleontological Resources.

Meritage Homes Housing Development, Placer County. Principal Investigator for cultural resources services for a single-family residential project on a 17-acre parcel in the unincorporated community of Granite Bay in southeastern Placer County. The services performed include literature and Sacred Lands File searches, a pedestrian survey of the 17-acre Area of Potential Effects, on-site Native American consultation, and a project effects assessment. The study was completed in compliance with CEQA and with Section 106 of the National Historic Preservation Act in anticipation of the requirement for a Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers.

County Jail and Ancillary Facilities Project, Napa County, Principal Investigator. Responsible for technical report on 83-acre survey and evaluation of 1937 Brick Plant for National or California Register listing. Section 106 and CEQA compliance. Lead federal agency: U.S. Army Corps of Engineers, Sacramento District.

U.S. Highway 101 Express Lanes Project, Santa Clara County, Principal Investigator. Responsible for managing and authoring the cultural inventory report (ASR) for Caltrans District 4 for a 38-mile project proposed by the Santa Clara Valley Transportation Authority in cooperation with Caltrans. Also authored a Phase III Data Recovery Plan for seven sites in area of direct impact (ADI). Section 106 compliance.

Brady at Vineyard Development Project, Placer County. Cultural resource services included literature and Sacred Lands File searches, a pedestrian survey of the Area of Potential Effects, on-site Native American consultation, and a project effects assessment. The study was completed in compliance with CEQA and with Section 106 of the National Historic Preservation Act in anticipation of the requirement for a Clean Water Act Section 404 permit from the U.S. Army Corps of Engineers.

Bay-Delta Plan Amendment Substitute Environmental Document (SED), Central Valley, Principal Cultural Resources Specialist. Authored cultural resources chapter and appendix for amendment to the Water Quality Control Plan for the San Francisco Bay/Sacramento-San Joaquin Delta Estuary proposed by the State Water Resources Control Board (SWCRCB) to establish flow and salinity objectives for the Lower San Joaquin River and southern Delta. Covers northern San Joaquin Valley and adjacent foothills. Compliance with NHPA Section 106 and CEQA.

California State Parks Road and Trail Change-in-Use Evaluation Process Program EIR (Statewide), Principal Investigator. Authored cultural resources chapter of the Draft EIR covering archaeological, architectural, and paleontological resources throughout California, with particular reference to resources in State Parks. The proposed process would apply to existing recreational roads and trails and is intended to comprehensively evaluate potential road and trail change-in-use proposals in park units statewide. CEQA compliance.

Concord Community Reuse Plan EIR, Section 106 Consultation and Treatment Plan, Contra Costa County, Principal Investigator. Authored cultural resources chapter for program-level EIR and response to comments for the City of Concord's Reuse Plan for Inland Area of former Concord Naval Weapons Station; attended public meetings. On behalf of the City, participated in Section 106 consultation with Department of the Navy cultural resources staff, Native American tribes (California Valley Miwok Tribe, Ione Band of Miwok Indians, Shingle Springs Band of Miwok Indians, and Wilton Rancheria), interested parties, and resultant Memorandum of Agreement (MOA). Prepared Historic Property Treatment Plan for National Register eligible prehistoric site containing Native American remains. Compliance with Section 106 and CEQA.

City of Lincoln, Independence EIR, Placer County, Principal Investigator. Responsible for peer review of existing cultural resources technical report and authored the cultural resources EIR section for a master-planned residential community on 94 acres.

Monterey Peninsula Airport Runway Safety Area Improvement Project, City of Monterey, Monterey County, CA. Authored technical report 38.5-acre project. Lead agency: Federal Aviation Administration (FAA); CEQA and Section 106 compliance. State Historic Preservation Officer (SHPO) concurred with finding of No Historic Properties Affected. Principal Investigator.

Yosemite National Park EIS, Mariposa County,, Principal Investigator. Authored cultural resources sections for Yosemite Institute Environmental Education Campus EIR; compliance with NEPA, Section 106, and Service-wide Programmatic Agreement (PA). Identified and evaluated alternatives for redevelopment at Crane Flat or construction of new campus at Henness Ridge. Lead agency: National Park Service.

Patrick Tormay Miller, FASLA, Partner

Patrick Miller is a licensed landscape architect and recreation planner. His work covers all aspects of visual analysis, wildland and urban trail system planning, site planning, facility design, and planting/revegetation design. He has a working knowledge the guidelines regarding visual resource studies, having been involved on projects for a wide variety of federal, state, and local jurisdictions throughout California. His experience includes baseline visual resource inventories, sensitivity and impact analyses, photo-realistic visual simulations, and project mitigation design.

Selected Professional Experience

- Prepared visual and aesthetic resource analyses for a wide range of urban projects including Coyote Highlands Subdivision EIR, Santa Clara County; Sand Hill Estates EIR, Woodside; Sunrise Assisted Living Facility EIR, Lafayette; Highway 92/I-880 Interchange EIR/EIS, Hayward; Kaiser Center Planned Unit Development EIR, Oakland; and Douglas Avenue Condominiums EIR, Burlingame.
- Visual resource specialist for a variety of alternative energy projects, including:
  - Soda Mountain Solar Project EIS, Baker, California
  - Four-Mile Hill Geothermal Project EIR/EIS, Modoc and Klamath National Forests
  - Geothermal development adjacent to Coso Hot Springs National Historic Site, Naval Air Weapons Station China Lake
  - Newberry Geothermal Project EIS on the Deschutes National Forest
  - BRP Steam Project, Cobb, California
- Conducted transmission line visual impact assessments for over 30 projects, including the Paradise Area Reinforcement Project, Paradise; Riverside Transmission Reliability Project, Riverside; and Palo Verde/Devers Transmission Line #2 EIR/EIS, Arizona and California.
- Technical advisor and field specialist on the California Coastal Recreation and Aesthetic Resources Inventory and Evaluation project of the Bureau of Land Management's Pacific Outer Continental Shelf Office assessing the effects of offshore oil development on the aesthetic resources of the California coastline.
- Conducted visual studies for the Pacific Gas and Electric Company's Bass Lake Erosion Control Project, Sierra National Forest.
- Conducted visual analyses and prepared management option plans for the Bureau of Land Management's section of the Pacific Crest National Scenic Trail.
- Responsible for master planning and public outreach programs for over 30 park, open space, and recreation areas, including San Mateo Shoreline Parks, San Mateo; Silver Creek Linear Park, San Jose; Coyote Valley Open Space Preserve, San Jose; Coyote Creek Parkway Integrated Natural Resource Management and Master Plan, Santa Clara County; Dutch Slough Community Park and Tidal Marsh Restoration Project Public Access Plan, Oakley; Brannan Island State Recreation Area, Rio Vista; Slide Rock State Park, Sedona, Arizona; Skyline Ridge Open Space Preserve, San Mateo and Santa Clara Counties; Citizens' Parks at Mount Pukhan National Park, Seoul, Korea; and Nisqually National Wildlife Refuge, Olympia, Washington.
- Consulting planner for the 100-mile-long Lake Berryessa Shoreline Trail for the Bureau of Reclamation. Other trail system planning experience includes the Pacific Crest Trail Management Options Plan for the Bureau of Land Management in Southern California; Santa Ana River Corridor Trails System Master Plan; Mount Pukhan National Park Trail Conservation Plan, Seoul, Korea; Eagle Valley Trail System Master Plan, Carson City, Nevada; Eastern Pima County Trails Master Plan, Tucson, Arizona; San Mateo County Trails Master Plan; Ohlone-Portolá Heritage Trail, San Mateo County; and citywide trails plans for the Cities of Livermore and Concord.
- Project director for the award-winning Santa Clara County Trails Master Plan Update, an element of the County's General Plan.

- Project director for the San Francisco Bay Trail Design Guidelines and Toolkit addressing the 500-mile Bay Trail system. Principal author of the design chapter in the award-winning book *Trail Planning for California Communities* published by Solano Press.

- Principal planner for the San Joaquin River Parkway Conceptual Plan spanning 22 miles of river corridor in Madera and Fresno Counties and the city of Fresno. Provide continuing consulting services relating to implementation of the parkway.

- Principal planner for the planning and permitting to reconstruct the City of Berkeley Tuolumne Camp in the Stanislaus National Forest destroyed by the Rim Fire in 2013.

Education

MLA University of California, Berkeley
BLA State University College of Environmental Science and Forestry, Syracuse, New York

Professional Affiliations

Registered Landscape Architect: California (License #1842)
American Society of Landscape Architects, Fellow
Anderson Valley Land Trust, Board of Directors: 2002–Present (current President of the Board)

Honors and Awards

- Nisqually National Wildlife Refuge Conceptual Plan (for EDAW Inc.) - Honor Award. American Society of Landscape Architects, 1979
- Pacific Crest National Scenic Trail Management Options Plan - Merit Award. American Society of Landscape Architects Northern California Chapter, 1983
- A Master Plan for Hidden Villa - Merit Award. California Council of Landscape Architects, 1985
- Lee Garden - Honor Award. American Society of Landscape Architects Northern California Chapter, 1988
- San Joaquin River Parkway and Environs Conceptual Plan, Merit Award. American Society of Landscape Architects Northern California Chapter, 1990; Merit Award. California Council of Landscape Architects, 1991
- Windsor Lakes Concept Plan - Merit Award. California Council of the American Society of Landscape Architects, 1993
- Brigantino Revegetation Plan - Excellence in Reclamation Award. California Mining Association, 1993
- Santa Clara County Trails Master Plan Update - 1995 Outstanding Environmental Resource Document, Association of Environmental Professionals; Trail Advocacy Award, American Trails, National Trails Symposium, 1996; Creative Designs for Conservation Award, Bay Trail Project, 1996; Award of Merit, Northern Section CCAPA, 1996
- Association of Bay Area Governments, Bay Trail Champion Award, 1997
- Philo Garden, Award of Excellence, Sunset's Western Garden Design Awards, 1999
- Project Recognition: San Joaquin River Parkway, Centennial Medallion Project, American Society of Landscape Architects, 1999–2000
- San Mateo Shoreline Parks, Award of Excellence, California Park and Recreation Society, 2005
- Coyote Creek Parkway County Park Integrated Resource Management and Master Plan, Merit Award, American Society of Landscape Architects Northern California Chapter, 2007
- Trail Planning for California Communities (Design Chapter) - 2010 Outstanding Environmental Resource Document, Association of Environmental Professionals; 2010 Merit Award, American Society of Landscape Architects Northern California Chapter; 2010 Media Award, American Planning Association California Northern Section; 2010 Merit Award, American Planning Association California Chapter
- Martial Cottle State and County Park Master Plan (with DC&E); Merit Award, American Society of Landscape Architects Northern California Chapter, 2011
- Breuner Marsh Restoration and Public Access Plan (with Questa Engineering/WRA); Merit Award, American Society of Landscape Architects Northern California Chapter, 2013
- Captain Fletcher's Inn at Navarro-by-the-Sea - Preservation Design Award, California Preservation Foundation, 2014; Governor's Historic Preservation Award, State of California Office of Historic Preservation, 2014
- San Francisco Bay Trail Design Guidelines and Toolkit - Merit Award, California Trails and Greenways Conference, 2017; Urban Design Award of Excellence, Northern California Chapter, American Planning Association, 2017; Excellence on the Waterfront, Waterfront Center, 2018

CSW | ST2

WAYNE LEACH, PE

Project Manager

Wayne's experience includes managing a wide variety of planning and engineering projects for public and private clients over the past 25 years. Wayne has worked in a number of different capacities within both the public and private sectors. His experience includes senior and affordable housing projects, infrastructure, road design, hydrology and hydraulic design, agency processing and entitlements, boundary resolution and title research, preparation of specifications and bid documents, construction management and coordination. Wayne has been instrumental in processing a variety of projects through the local and state level, including Caltrans encroachment permits.

RELEVANT PROJECT EXPERIENCE

- Fairfax Parkade, Fairfax
- 500 Miller Avenue Design, Construction Administration, and Construction Staking, Mill Valley
- Hamilton Airfield Army Base Reuse, Novato
- Meadow Park Affordable Housing Subdivision, Novato
- Atherton Ranch Subdivision, Novato
- Deer Creek Village Mixed-Use Public Improvement Plans, Petaluma
- Quarry Heights Residential Subdivision, Petaluma
- Aegis San Rafael Development, San Rafael
- San Rafael Corporation Yard Improvements, San Rafael
- Novato Police Department ADA Parking and Path of Travel Improvements, Novato
- Muir Beach Community Services District Sunset Way Improvements, Muir Beach
- Petaluma Junction Design and ALTA Survey, Petaluma
- Miracle League Ball Field, Petaluma
- Corona SMART Station Parking Garage, Petaluma
- AppLovin Encroachment Permit, Palo Alto
- Sharon Park Boundary and Topographic Mapping, Menlo Park

EDUCATION

B.S., Civil Engineering, Cal Poly San Luis Obispo

REGISTRATION

Professional Civil Engineer
California - No 54309

Certified Professional in Erosion & Sediment Control
CPESC No 3614

AFFILIATIONS

American Council of Engineering Companies (ACEC), Past President of Marin Chapter

Home Builders Association of Northern California, Current State Director

Petaluma Chamber of Commerce, President

International Erosion Control Association (IECA)

Resume

CAROL L. RICE
Senior Wildland Fire Manager

Carol Rice provides expertise in fire management, with specialized knowledge in fire behavior (i.e., spread and potential loss) along with fire codes and policies, risk assessment, structural ignition potential, fire ecology, defensible space creation and maintenance, and fuel and vegetation management.

PROFESSIONAL EXPERIENCE

General Manager, Wildland Resource Management, Reno, NV, and Alamo, CA. Since 2013.

President, Wildland Resource Management, Inc., Walnut Creek and Alamo, CA. Head of consulting firm focusing on fire management. Responsible for marketing and program planning as well as contract performance. 1979–2013.

Associate Director, Fire Research Institute, Roslyn, WA, and Walnut Creek, CA. Established and co-managed a nonprofit international organization of fire researchers and managers from 1983 to 1992.

Resource Analyst, Arabian American Oil Co., Community Services Programs and Planning, Dhahran, Saudi Arabia. Authored project proposals and performed analysis of department issues. Responsible for cost estimates and proponent representation for expenses totaling $11 million. 1976–1979.

Fire Ecologist, USDA Forest Service, Big Bar, CA. Designed and conducted study of fire ecology in the Trinity Alps, Shasta Trinity National Forest. 1975.

EDUCATION

Bachelor of Science, 1975 (forestry), University of California at Berkeley.

Master of Science, Fire Science and Management. University of California, Berkeley, Wildland Resource Sciences Program. Master's thesis evaluated potential fire behavior in the urban interface of the Berkeley/Oakland hills. 1987.

PROFESSIONAL RECOGNITION

- Co-Chair, Wildland-Urban Interface Committee, Northern California Fire Prevention Officers, 2011–2015
- California Wildfire Coordinating Group Prevention Committee, 2012–2017.
- Certified Senior Wildland Fire Manager from the Association for Fire Ecology, 2012.
- Education Award, American Planning Association, Northern California Section 2011 for the book *Managing Fire in the Urban Wildland Interface.*
- Outstanding Environmental Resource Document for the book *Managing Fire in the Urban Wildland Interface*, Association of Environmental Professionals, 2011.
- Oakland/Berkeley Mayors Task Force for Post-Fire Policy Recommendation, 1991–1992.
- Subject-Matter Editor, Journal of Wildland Fire Science and Management, 1990–1992.
- Guest Lecturer, California Polytechnic University, San Luis Obispo – 2011. Natural Resources Management Department (Fire in the Wildland Urban Interface).

- Guest Lecturer, University of California, Berkeley - Environmental Science, Policy and Management, 1998 and 1999 (fire behavior prediction systems), Department of Forestry and Conservation, 1990 (wildland-urban interface fire issues), Department of Geology and Geophysics, 1989 (fire ecology), Department of Geography (fire ecology).

PROFESSIONAL AFFILIATION

Society of American Foresters
International Association of Wildland Fire
The Nature Conservancy
Northern California Fire Prevention Officers
California Native Plant Society
Association for Fire Ecology

BOARD OF DIRECTOR EXPERIENCE

- International Association of Wildland Fire: Vice-President, Secretary of Board of Directors, 1998–2008; Program Co-Chair Second International Congress on Fire Ecology and Management, 2003; Steering Committee Coordinator, California's 2001 Wildfire Conference.
- National Fire Protection Association: Member of Task Force to establish Wildland Fire Section, 1987–1988; Second Vice-chair of Wildland Fire Section, 1990–1994; Managing Editor, Section newsletter, 1988–1990.
- California-Nevada-Hawaii Forest Fire Council: Chair 1985–1986, Vice-Chair 1984–1985, Program Chair 1983, 2001, and 2014; Secretary 2015–present.

RECENT PUBLICATIONS, PRESENTATIONS, AND REPORTS

Carol L. Rice. 2018. Fire history, ecology, and management in the oak woodlands of California. Invited presentation at the California Native Plant Society Conservation Conference, February 1–3, Los Angeles. In press.

Carol L. Rice. 2015. Simulated effects of wildfire on water quality on the Mokelumne Watershed for the East Bay Municipal Water District using FlamMap and FARSITE. Presentation to the California-Nevada-Hawaii Forest Fire Council, South Lake Tahoe, October 21, 2015.

Carol L. Rice. 2013. Planning to Live with Fire: Tools and Best Practices. Invited presentation to the Board of Forestry, December 4, 2014.

Carol L. Rice, Sarah McCaffrey, and Molly Mowery. 2013. Community Wildfire Protection Planning. An invited webinar as part of the Planning for Growth and Open Space Conservation webinar series, November 6, 2013.

Carol L. Rice 2012. Planning to Live with Fire: Designing and Retrofitting Communities with Fire in Mind. Webinar presented January 26, 2012. http://uc-d.adobeconnect.com/p13qiwdmlmk/. California Fire Science Consortium.

Kenneth S. Blonski, Cheryl Miller. and Carol L. Rice. 2010. *Fire in the Urban Wildland Interface: Practical Solutions for Local Government, Planners, Fire Authorities, Developers, and Homeowners*. Solano Press, Point Arena, CA.

Carol L. Rice, Ronny J. Coleman, and Mike Price. 2011. Clarifying evacuation options through fire behavior and traffic modeling. Presented at the International Association of Wildland Fire Second Human Dimensions of Wildland Fire, 2011. Proceedings available at www.treesearch.fs.fed.us and www.iawfonline.org.