



Attachment 1

1901 Harrison Street
Suite 1300
Oakland, CA 94612
510.839.5066 [phone](#)
510.839.5825 [fax](#)

esassoc.com

August 5, 2026

Paul Sellier and Lucy Croy
Marin Municipal Water District
220 Nellen Ave
Corte Madera, CA 94925

Subject: Scope of Work for the Marin Water Upper Nicasio Flood Study, Contract Modification #2

Dear Mr. Sellier and Ms. Croy,

Environmental Science Associates (ESA) is currently providing engineering and environmental services related to the Marin Municipal Water District's (Marin Water's) Upper Nicasio Creek Maintenance Project (Nicasio Maintenance Project) in Marin County. Marin Water is presently engaged in preparation of their Atmospheric River Capture (ARC) Project's Environmental Impact Report (EIR) and has requested ESA's support in integrating the Nicasio Project into the ARC EIR's project description and environmental analysis.

This letter responds to your request for a proposal outlining additional environmental services anticipated through August 2027. Accordingly, this proposal provides for: (1) ARC Project EIR Support for the Nicasio Maintenance Project (Task 8); (2) Supporting Technical Studies for Nicasio Maintenance Project (Task 9); (3) WaterSmart Grant Application Support (Task 10); and (4) As-Needed Contingency Support (Task 11). ESA will provide CEQA support to Marin Water's ARC Project EIR by analyzing the potential environmental effects associated with the proposed long-term maintenance in Upper Nicasio Creek. Descriptions of the proposed scope of work, schedule, and budget are presented in the sections that follow.

Project Understanding

The proposed Nicasio Maintenance Project (Project) is intended to provide long-term localized flooding relief through a combination of large-scale vegetation removal and sediment removal effort along Upper Nicasio Creek from its confluence to Nicasio Reservoir upstream to Nicasio Creek Road Bridge and Halleck Creek starting in 2027.¹ The Project is in response to a permit requirement from the San Francisco Bay's Regional Water Quality Control Board's emergency work authorization issued in December 2025. **Figure 1** below indicates the assumed action area for the Project; the staging area is tentative, and Marin Water will confirm staging areas soon. There are two distinct parts to the Project:

- **Part 1** consists of large-scale vegetation and sediment removal work. Up to six feet of sediment removal is proposed along approximately 3,150 linear feet of Upper Nicasio Creek and 1,200 linear feet of Halleck Creek. In addition, the existing floodplain area would be lowered by approximately 4 feet to create a floodplain bench approximately 100 feet wide along Upper Nicasio Creek's right bank along 3,150 linear feet. Assuming permits are obtained in early 2027, construction could commence in summer 2027. For purposes of evaluation ESA assumes that a total of 50,000 cubic yards sediment as well as vegetation would be removed over two construction seasons.
- **Part 2** Consistent with 2025 permit requirements, the Project applies into the future. Following completion of Part 1, Marin Water would then perform maintenance activities on an as-needed basis. The proposed frequency and extent of maintenance activities is currently being assessed by ESA. For purposes of evaluation, ESA assumes up to 10,000 cubic yards of sediment as well as vegetation would require removal about once every 10 years. Maintenance activities are anticipated to include vegetation thinning, sediment removal, or a combination of both vegetation and sediment removal.

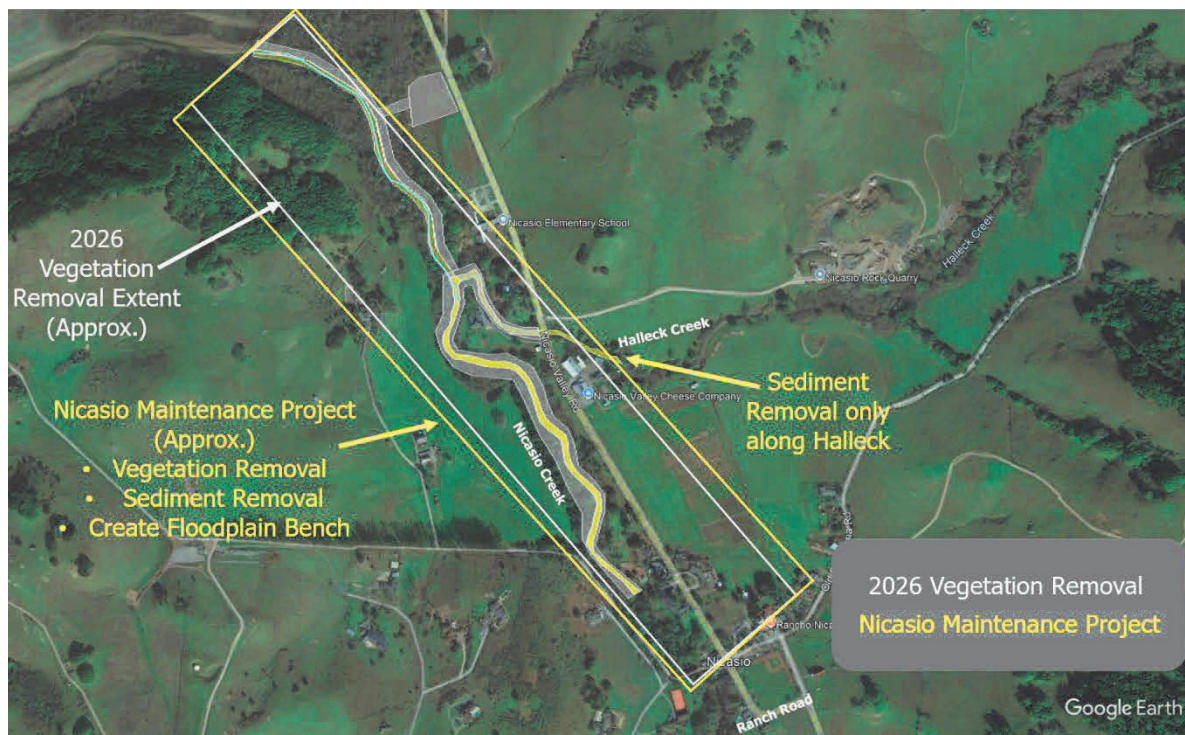


Figure 1 The assumed Project action area.

¹ Marin Water intends to implement vegetation thinning in Upper Nicasio Creek area in 2026. The CEQA documentation prepared by ESA for the Nicasio Maintenance Project will consider any potential for cumulative impacts from the 2026 activities.

Additional Project Description assumptions include:

- Implementation of the ARC project (with or without the Project) could alter spills from Nicasio Reservoir (frequency, quantity). For purposes of evaluation, ESA assumes that the downstream reach analyzed would be limited to Seeger Dam to Lagunitas Creek, that evaluation of environmental impacts would be limited to desktop, and that sediment removal associated with the Nicasio Maintenance Project would be restricted to the dry season.
- Sediment will be hauled offsite for reuse or disposal.
- Project construction will occur over at least one full construction season.
- Marin Water will identify a staging area that is not located in areas with sensitive habitat or special status species, or cultural resources; ESA can assist with identifying a staging area.
- Marin Water will assist in developing assumptions regarding sediment off-haul (i.e., hours of operation, frequency, number and size of truck trips, etc).

Scope of Services

Task 8 – ARC Project EIR Support for the Nicasio Maintenance Project

Subtask 8.1 CEQA Analysis for the Nicasio Maintenance Project

Supplemental Notice of Preparation

ESA will prepare a draft Supplemental Notice of Preparation (NOP) for Marin Water’s review and approval. The Supplemental NOP will incorporate the Project, as a component or phase of the ARC Project, and include one graphic to depict the Project location. We assume no new scoping meetings are needed. ESA will revise the Supplemental NOP based on one consolidated set of comments from Marin Water and Panorama and prepare a public review Supplemental NOP for publication and distribution. ESA will upload the Supplemental NOP, along with the Notice of Completion, to the State Clearinghouse to begin the new 30-day public scoping period. We assume Marin Water will file the Supplemental NOP with the County of Marin, and distribute it as needed. Following the closing of the scoping period for the Supplemental NOP, ESA will review comments reviewed and advise Marin Water whether any changes are needed to this scope of work. ESA assumes that any comments received on the Supplemental NOP that pertain to the larger ARC project will be addressed by Panorama.

Project Description

ESA will prepare a project description for the Project that will be suitable to support inclusion in the ARC Project’s EIR.

Environmental Investigations

Under this task ESA will analyze the following environmental factors for the Project, as identified in the ARC Project’s EIR Scoping Summary:

- Aesthetics
- Agriculture and Forestry Resources
- Air Quality and Greenhouse Gas Emissions
- Biological Resources
- Cultural Resources and Tribal Cultural Resources
- Geology and Soils
- Hazards, Hazardous Materials, and Wildfire
- Hydrology and Water Quality
- Noise
- Recreation
- Transportation

ESA will document the analysis for each of the above listed environmental topics for the Project in a stand-alone CEQA memo. ESA assumes that Panorama will incorporate information from the memo into the ARC EIR. If it is determined that the Project could result in a significant impact, ESA will include identify measures to avoid, reduce or otherwise mitigate impacts to the extent feasible. ESA will include a discussion of cumulative impacts related to the Project, based on a cumulative project list and cumulative impact analysis approach/format to be provided by Panorama.

The following topics are expected to require more extensive investigations: Air Quality, Biological Resources, Cultural Resources, Hazards, Hazardous Materials, and Wildfire, Hydrology and Water Quality, Noise, and Transportation. Among these, we will prepare stand-alone reports for the following topics: Hydraulic Modeling (the results of which will inform multiple environmental investigations), biological resources, and cultural resources (which must remain confidential). More detailed scopes for those topics are presented under Task 9.

Air Quality/Greenhouse Gas Emissions

The Project site is within the jurisdiction of the Bay Area Air District (Air District). The CEQA Analysis Memorandum section will include a discussion of the air quality setting, including ambient air quality and attainment status of the Project area, and will assess the criteria air pollutant emissions associated with the Project. The analysis will meet the requirements of CEQA based on guidance from the Air District. Utilizing current ARC Project assumptions, ESA will estimate emissions of criteria air pollutants and toxic air contaminants that would be associated with the construction of the Project using the CalEEMod (version 2022.1.1), OFFROAD2017, and EMFAC2021 models. Where specific details on construction are unavailable, ESA will apply conservative assumptions and rely on CalEEMod defaults. ESA will also prepare a health risk assessment (HRA) that evaluates potential adverse health risks associated with diesel particulate matter (DPM) emitted by the Project's construction equipment. ESA will use the U.S. EPA-approved and Air District-recommended regulatory model (AERMOD) to predict exposure to concentrations of pollutants at sensitive receptor locations and quantify associated health risks. The Project's potential health risks will be compared against Air District carcinogenic and chronic risk thresholds.

ESA will evaluate GHG emissions for consistency with Plan Bay Area 2050+ as well as applicable federal, state, regional, and local GHG reduction policies, including the Marin County Unincorporated Area Climate Action Plan. ESA will use the CalEEMod and EMFAC computer models to estimate GHG emissions associated with the construction of the Project, based on known information from the client.

ESA will evaluate GHG emissions using the Air District's guidance to assess project level climate impacts. ESA will also evaluate the Project relative to Executive Order S-3-05, which requires the State to reduce GHG emissions to 80 percent below 1990 levels, and CARB's 2022 Climate Change Scoping Plan Update, which outlines the proposed framework of action for achieving the 2030 GHG target of 40 percent reduction in GHG emissions relative to 1990 levels, as well as the region's Sustainable Communities Strategy/Regional Transportation Plan (Plan Bay Area 2050+) and CA2020.

Biological Resources

The Project has the potential to directly and indirectly adversely affect terrestrial and aquatic resources in Nicasio and Halleck Creeks and in Nicasio Reservoir. The report prepared under Task 9 will be used to inform the evaluation of biological resources issues in the Task 8 CEQA memo.

Cultural and Tribal Resources

The Project has the potential to directly and indirectly adversely affect archaeological resources and potentially historic resources. The report prepared under Subtask 9.3 will be used to inform the evaluation of cultural resources. ESA assumes that Marin Water and the ARC Team will consult with tribal representatives pursuant to AB 52 as part of the ARC's tribal engagement; ESA is not proposing any supplemental services in this regard. If desired such efforts could be funded through Task 11.

Hydrology and Water Quality

For the CEQA memo ESA will investigate whether the Project could:

- Substantially alter drainage patterns in a manner that would result in substantial erosion or siltation, substantially increase the rate or amount of surface runoff in a manner that would result in flooding on- or offsite, or impede or redirect flood flows.

- Substantially decrease groundwater supplies or interfere with groundwater recharge such that the proposed Project may impede sustainable groundwater management of the basin or conflict with a sustainable groundwater management plan.
- Violate water quality standards or waste discharge requirements, otherwise substantially degrade surface water quality (e.g., by resuspending contaminants present in sediments excavated from Nicasio Creek or reservoir), or conflict with a water quality control plan.

The CEQA documentation will investigate these topics. The hydraulic modeling memo will provide information related to water surface elevations that will be used in this analysis.

Hazards, Hazardous Materials, and Wildfire

The Project will involve excavation in sediments that could contain elevated levels of contaminants associated with historic and current neighboring land uses, including the potential for pesticides and herbicides from agricultural land use. The Project involves the use of heavy equipment in densely vegetated areas, representing potential ignition sources for wildfire. ESA will conduct database searches of recorded hazardous materials and wastes in the watershed, describe regulations governing hazardous materials handling and transport that will apply to the Project, describe regulations governing wildfires, and evaluate the potential for related impacts.

Noise and Transportation

The Project involves the use of heavy equipment near sensitive receptors including residences and an elementary school as well as truck trips for hauling construction supplies to the site and off-hauling spoils (excavated sediment) from the site to reuse or disposal sites. ESA will take ambient noise measurements and evaluate the potential for noise or vibration generated by Project implementation to adversely affect sensitive receptors (e.g., residences, the school). For transportation, ESA will provide tables documenting vehicle trips (e.g., construction crews, haul trucks) for Panorama's use in the transportation evaluation. ESA can also provide an evaluation of transportation safety hazards or result in inadequate emergency access. ESA assumes that Panorama will evaluate whether the ARC project and the Upper Nicasio Project could conflict with a program, plan, ordinance, or policy addressing the circulation system including transit, roadway, bicycle, and pedestrian facilities. . ESA will investigate and document these issues.

Administrative Draft, Screencheck and Final Draft CEQA Analysis

ESA will develop an initial, administrative draft version of the CEQA memo, to be reviewed by Marin Water and Panorama. ESA assumes that Marin Water or Panorama will consolidate all comments prior to submittal to ESA. ESA will then prepare a screencheck version of the memo for review, and then a final version of the memo.

Deliverables:

- » Draft and Final Supplemental NOP
- » Draft and Final Project Description
- » One (1) CEQA Analysis Memorandum – Administrative Draft, Screencheck, and Final Draft

Assumptions:

- » ESA can initiate basic field investigations upon receipt of Notice to Proceed.
- » ESA will not prepare an Initial Study.

- » The Project Description will be based on the final Long-Term Management Plan, being prepared by ESA, and will be finalized prior to ESA initiating impact evaluations for the Project.
- » Marin Water will arrange all property access for site surveys needed to support this task.
- » Panorama will be responsible for integrating the Project Description for the Project into the ARC Project EIR.
- » The ARC EIR alternatives will not need to include an alternative related to the Project.
- » Marin Water or Panorama will consolidate comments on the draft Project Description and draft CEQA Analysis Memorandum prior to submittal to ESA.
- » This task budget assumes ESA will finalize the Project Description and CEQA Analysis Memorandum based on one (1) round of consolidated comments by Marin Water and Panorama.
- » Panorama will be responsible for integrating the analysis ESA performs for the Project into the ARC EIR.
- » Panorama will provide ESA with the Draft and Final ARC Project Description.
- » Based on discussions with Marin Water staff to date regarding ARC operations, we understand that while the ARC Project (with or without implementation of the Nicasio Maintenance Project) could increase the frequency of water levels in the upper part of the existing reservoir water level range (e.g., within ten feet of the existing dam spillway level) it will not change the overall maximum water level within Nicasio Reservoir. Because fringing wetlands around Nicasio Reservoir are controlled by the upper water level of the reservoir we do not expect that habitat conversion around the fringe of the reservoir would result and have not included an analysis of Project-induced wetland inundation/recruitment in this scope of work.
- » This task budget assumes all figures will be prepared by Panorama.
- » ESA's analysis will be specific to the Project only, except as otherwise described under Task 9.
- » All deliverables will be electronic; no hard copies are included.
- » General Regulatory setting for each topic will be provided by Panorama, and ESA's memorandum will include additional regulations specific to the Project.

Subtask 8.2 Coordination with Panorama and Marin Water

This task provides for continued coordination with Panorama and Marin Water related to Tasks 8 and 9. Coordination includes meetings, emails, and other coordination efforts up to the task budget.

Assumptions:

- » This task budget allows for up to ten (10) joint coordination meetings with Panorama and Marin Water attended by up to three (3) ESA staff. Panorama will be responsible for developing the meeting agenda and distributing meeting notes.
- » This task budget allows for up to six (6) check-in meetings with Marin Water with up to three (3) ESA staff.

Subtask 8.3 Responses to Comments Support

Work under this task is separate from community engagement under Task 4.2 (through which ESA staff participate in community meetings at Marin Water's request to (for example) describe Project implementation. Task 8.3 supports responding to comments on the Draft EIR.

ESA will review comments on the description and evaluation of the Project received on the ARC Draft EIR and prepare responses to comments pertaining to the adequacy of the environmental evaluation. ESA assumes that not more than 120 hours would be needed for attendance at community engagement meetings and responding to comments, including responding to two rounds of comments on draft responses from Marin Water.

Assumptions:

- » This task includes up to one (1) ESA staff attendance at up to three (3) in-person community engagement meetings.
- » ESA will provide support for responses to comments received on the Draft EIR for comments on the Project, not the ARC Project.
- » Panorama and Marin Water will provide guidance on preferred format conventions prior to ESA starting work on responding to comments.
- » This task budget assumes two rounds of review of draft responses and that all comments will be consolidated prior to submittal to ESA.
- » This task provides for up to 120 hours of ESA staff time to provide community engagement and responses to comments on the Draft EIR.
- » Responses to comments would not require new technical studies.
- » All deliverables will be electronic, no hard copies are included.

Task 9 – Supporting Technical Studies for Nicasio Maintenance Project

Under this task, ESA will conduct field surveys to provide complete environments assessments to support the corresponding environmental topics under Task 8.

Task 9.1 Hydrologic Analysis

ESA will provide two hydrologic analysis efforts under this task to assess the ARC Project's potential effects to: 1) Upper Nicasio Creek; and 2) Nicasio Creek downstream of Seeger Dam to the Lagunitas Creek confluence (Lower Nicasio Creek). ESA assumes that others will model changes in reservoir water level under Project conditions and supply output from those models (e.g., time series of reservoir water surface under existing and Project conditions) to ESA for use as input to our proposed models.

Upper Nicasio Creek

The purpose of this analysis is to assess the potential effects of the ARC Project on flood hazards in upper Nicasio Creek. ESA will rely on the existing HEC-RAS 2D hydraulic model (flood model) completed by ESA in 2026 and reservoir water level modeling produced by Woodard and Curran to evaluate the differences (if any) in flood inundation extents between existing reservoir water levels and those estimated to occur with the ARC Project. ESA will use the existing hydraulic model to simulate the five largest flood events from the 22-year reservoir modeling record. The existing and ARC Project reservoir water level model outputs for those events will be applied as the downstream boundary condition for the hydraulic model to assess whether those events would have had a different flood inundation pattern had the project been in place. In addition ESA will run an estimated 100-year flow event under the most extreme change in reservoir water level modeled by Woodard and Curran during the 22-year simulation of the ARC Project.

Lower Nicasio Creek (Seeger Dam to Lagunitas Confluence)

The purpose of this analysis is to assess the potential geomorphic and ecological effects of the ARC Project on lower Nicasio Creek. ESA will review spillway flow output from Woodard and Curran's model of Nicasio Reservoir to assess and characterize changes in flow volume and frequency under the ARC project. ESA will provide a qualitative assessment of how these changes might affect biological conditions (e.g. steelhead habitat, inundation of floodplain areas) and erosion potential under existing and with project conditions.

Lower Nicasio Creek – Hydraulic Modeling (Optional)

If a more detailed analysis of potential geomorphic and ecological effects is desired, ESA will develop a planning level hydraulic model in HEC RAS 2D using available LiDAR data to simulate flows between Seegar Dam and the Lagunitas Creek confluence. The same five events modeled under the Upper Nicasio Creek analysis (the five largest runoff events within the 22-year period simulated for reservoir operations plus a 100-year flood) will be routed through the downstream hydraulic model under existing and ARC Project conditions, and downstream flows will be analyzed for water level, inundation extent and velocity. These outputs will be used to assess biological conditions (e.g., potential effects on steelhead habitat, inundation of floodplain areas) and erosion potential under existing and with project conditions. This optional subtask would only be undertaken at the direction of Marin Water.

Task 9.2 Biological Resources

Under this task, ESA will conduct field surveys in Upper Nicasio Creek and Lower Nicasio Creek to assess biological resources that could be affected by the Project and the ARC Project, as described above in Task 9.1. ESA biologists will conduct a total of one (1) reconnaissance level site visit days to document the existing site conditions, including vegetation communities and habitat potentially supporting sensitive plant and wildlife species at each location. ESA assumes the survey conducted under this task along Lower Nicasio Creek will be restricted to Nicasio Creek from Seeger Dam to the Lagunitas Creek confluence. As part of this effort, ESA will also characterize and map aquatic features within each area. ESA will build on biological resources survey and analysis work already completed in Upper Nicasio Creek and Lower Nicasio Creek. ESA will document the findings from the surveys in a memorandum that will be used to support the corresponding analysis in Task 8.1

Task 9.3 Cultural Resources

ESA archaeologists and an ESA architectural historian will conduct a surface survey of the Project area to identify archaeological resources and historical resources. ESA will coordinate with the Federated Indians of Graton Rancheria to conduct the survey of the Project site. ESA will draft a cultural resources survey and inventory report that is compliant with CEOA and Section 106 of the National Historic Preservation Act.

Assumptions:

- » Existing Marin County LiDAR will be sufficient to provide accurate hydraulic modeling results for Lower Nicasio Creek.
- » Water input from the ARC Project will occur from October to May. ESA will use the maximum ARC WSE in the models.
- » Water usage from Nicasio Reservoir throughout the year will be provided by Marin Water.
- » Available hydrologic and land cover data (e.g., USGS gage records, Marin County GIS layers) are assumed to be sufficiently accurate and complete for model development and calibration.
- » The 10-, 25-, 50-, and 100-year design storm events are assumed to represent the range of conditions needed for evaluating hydraulic performance and feasibility of alternatives.

- » Regional USGS flow frequency equations and historic gage data are assumed to be valid for calibration purposes, despite potential differences in watershed characteristics.
- » One (1) site visits for two (2) ESA biologists will be performed to assess the presence of sensitive habitats.
- » No protocol-level biological resources surveys will be necessary.
- » One (1) site visit will be necessary to support the cultural resources assessment.
- » The additional surveyed area along Upper Nicasio Creek will be included with ESA's biological resources assessment under Task 6.3.
- » ESA's ARDR under Task 6.3 will include the additional surveyed area along Upper Nicasio Creek and Halleck Creek conducted under this task.
- » An aquatic resources delineation report (ARDR) will not be necessary for Lower Nicasio Creek.
- » All deliverables will be transmitted electronically.

Deliverables:

- » Draft and Final Hydraulic Memorandum for Upper Nicasio Creek.
- » Draft and Final Hydrologic Memorandum for Lower Nicasio Creek.
- » Draft and Final Biological Resources Memorandum for Upper Nicasio Creek.
- » Draft and Final Biological Resources Memorandum for Lower Nicasio Creek.
- » Draft and Final Cultural Resources Memorandum for Upper Nicasio Creek.

Task 10 – WaterSmart Grant Application Support

ESA will provide support for Marin Water's U.S. Bureau of Reclamation (USBR) WaterSmart Enhancing Water Resources Projects (EWRP) grant application for the Project. ESA will develop the scope of work for the following elements of the Project: 1) Supporting Environmental Documentation and Permitting; and 2) Construction. ESA will support development of other required parts of the grant application, including, but not limited to, narrative descriptions of the proposed work, including phasing, technical feasibility, overall consistency with grant's Evaluation Criteria A – E.

Assumptions:

- » This task scope and budget do not include the preparation of National Environmental Policy Act (NEPA) documents for the Project; ESA can provide a separate scope and budget for any NEPA documentation, if required, at the request of Marin Water.
- » ESA will support development of the application based on information prepared by ESA and that which has been made available to ESA at the time of this scope. ESA will review and utilize any additional information needed to support the grant application provided by Marin Water up to the allotted budget for this task.
- » Marin Water will coordinate with the stakeholders and community engagement members to request letters of support, as necessary to support the grant application.
- » Marin Water will be responsible for submitting the grant application.

Task 11 – As-Needed Additional Support (10% Contingency)

This task provides for additional environmental support services that may be required up to the allotted budget. The type of services which may be performed by ESA under this task include, but are not limited to, performing additional hydraulic or hydrologic analysis, and participating in additional meetings in support of the ARC Project's EIR. The intent of this task is to provide the ability to immediately respond to any unforeseen conditions. ESA will utilize the budget under this task to address any additional out-of-scope compliance support efforts. ESA will notify Marin Water of any out-of-scope work prior to initiating the work.

Schedule

ESA is prepared to commence the Scope upon receipt of a signed copy of this proposal and receipt of necessary project information and Client-provided site access permission. ESA assumes a 12-month performance period for this Scope, from August 2026 – August 2027, as shown in **Exhibit C**. Please note this schedule has been prepared based on the information available to ESA at the time of this proposal. Should new information be presented or the project become subject to factors outside of ESA's control, the schedule may be subject to revision.

Fee Estimate

Based on our understanding of the Project, the total estimated budget for the base Scope of Services included in the tasks described above is **\$505,874**. The fee for the full Scope of Services, including the optional services, is **\$578,732**, as summarized in **Exhibit A**. Fees and expenses will be invoiced on a time-and-material basis using the rates and terms stated in **Exhibit B**. ESA reserves the right to adjust its rates on an annual basis in accordance with ESA's performance/compensation review cycle. Expenses incurred by ESA in connection with the Scope of Services shall be reimbursed by Client and are in addition to fees. The amounts stated in this proposal are for budgetary purposes only and do not establish a not-to-exceed price to perform the Scope of Services. ESA may reallocate budget amounts between tasks. Should the estimated budget be insufficient to complete the Scope of Services, or the additional professional services beyond those set forth in the Scope of Services are needed due to changes in the process, information provided, or the regulatory environment, ESA will notify Client and the parties will establish an updated budget.

If you have any questions about this proposal please do not hesitate to contact us via email or telephone (tsturgis@esassoc.com or 415.262.2311; cbeeman@esassoc.com or 510.463.6732).

Sincerely,



Christie Beeman, PE
Regional Business Group Director



Tahsa Sturgis
Project Manager

Enclosures

Exhibit A – Labor Detail and Expense Summary
Exhibit B – Schedule of Fees and Expenses
Exhibit C – Schedule for Tasks

		ESA LABOR COST		SUBCONSULTANT & EXPENSES			TOTAL PROJECT COST
		ESA Total Hours	Total ESA Labor Cost	Federated Indians of Graton Rancheria Total (\$) Amount	Total Subconsultant (\$ Amount)	Total Expense (\$ Amount)	
Task #	Task Name/Description						
8.1	CEQA Analysis - Nicasio Maintenance Project	890.00	\$ 216,193	\$ -	\$ -	\$ -	\$ 216,193
8.2	Coordination with Panorama and Marin Water	200.00	\$ 57,577	\$ -	\$ -	\$ -	\$ 57,577
8.3	Response to Comments	120.00	\$ 30,962	\$ -	\$ -	\$ -	\$ 30,962
8	Task 8 CEQA Analysis for Nicasio Maintenance Project	1,210.00	\$ 304,732	\$ -	\$ -	\$ -	\$ 304,732
9.1	Hydraulic Modeling & Statistical Analysis	303.00	\$ 78,891	\$ -	\$ -	\$ -	\$ 78,891
9.2	Biological Surveys	117.00	\$ 27,884	\$ -	\$ -	\$ 500	\$ 28,384
9.3	Cultural Resources	55.00	\$ 17,618	\$ 1,725.00	\$ 1,725	\$ 92	\$ 19,435
9	Task 9 Technical Studies	475.00	\$ 124,393	\$ 1,725	\$ 1,725	\$ 592	\$ 126,710
10.1	WaterSmart Grant Application Support	97.00	\$ 29,852	\$ -	\$ -	\$ -	\$ 29,852
10	Task 10 WaterSmart Grant Application Support	97.00	\$ 29,852	\$ -	\$ -	\$ -	\$ 29,852
11.1	Contingency (10%)	173.00	\$ 44,579	\$ -	\$ -	\$ -	\$ 44,579
11	Task 11 As-Needed Additional Support (10% Contingency)	173.00	\$ 44,579	\$ -	\$ -	\$ -	\$ 44,579
	Optional Task 9.1 - Lower Nicasio Creek Hydraulic Model and Report	294.00	\$ 72,858	\$ -	\$ -	\$ -	\$ 72,858
	Total Hours	2,249.00					
	Total (\$) Amount		\$ 576,415	\$ 1,725	\$ 1,725	\$ 592	\$ 578,732
	Total Hours without Optional Tasks	1,955.00					
	Total (\$) Amount without Optional Tasks		\$ 503,557	\$ 1,725	\$ 1,725	\$ 592	\$ 505,874



EXHIBIT B

Environmental Science Associates & Subsidiaries: 2026 Schedule of Fees

I. Personnel Category Rates

Charges will be made at the Category hourly rates set forth below for time spent on project management, consultation or meetings related to the project, field work, report preparation and review, travel time, etc. Time spent on projects in litigation, in depositions and providing expert testimony will be charged at the Category rate times 1.5.

LABOR CATEGORY	BILLING STEP I	BILLING STEP II	BILLING STEP III	BILLING STEP IV	BILLING STEP V	BILLING STEP VI
Project Technician	\$86	\$109	\$131	\$150	\$170	\$194
Consultant	\$116	\$130	\$144	\$160	\$173	\$188
Associate Consultant	\$154	\$170	\$184	\$198	\$213	\$228
Senior Consultant	\$171	\$189	\$212	\$234	\$257	\$279
Managing Consultant	\$205	\$228	\$253	\$277	\$301	\$324
Principal Consultant	\$222	\$253	\$282	\$311	\$341	\$370
Senior Principal Consultant	\$261	\$288	\$317	\$347	\$379	\$409

- A. The range of rates shown for each staff category reflects ESA staff qualifications, expertise and experience levels. These rate ranges allow our project managers to assemble the best project teams to meet the unique project requirements and client expectations for each opportunity.
- B. From time to time, ESA retains outside professional and technical labor on a temporary basis to meet peak workload demands. Such contract labor may be charged at regular Employee Category rates.
- C. ESA reserves the right to revise the Personnel Category Rates periodically to reflect changes in its operating costs.

II. Subcontracts

Subcontract services will be invoiced at cost multiplied by 1.15.

III. Other

The fees above do not include sales tax. Any applicable or potential sales tax will be charged when appropriate.

IV. Payment Terms

Unless otherwise agreed in writing, ESA will submit invoices on a monthly basis. Any unpaid balances shall draw interest at one and one half percent (1.5%) per month or the highest rate allowed by law, whichever is lower, commencing thirty (30) days after date of invoice. All invoices not contested in writing within fifteen (15) business days of receipt are deemed accepted by Client as true and accurate and Client thereafter waives any objection to Clients invoices, which are payable in full.

V. ESA Expenses

A. Travel Expenses

1. Transportation
 - a. Company vehicle – fixed rate + fee for mileage in excess of 100 miles.
 - b. Common carrier or car rental – actual expense multiplied by 1.15
 - c. If company vehicle is to be used in off-road conditions, a daily \$15 use fee will be added to the standard daily vehicle rate.
2. Lodging, meals and related travel expenses – direct expenses multiplied by 1.15

B. Technology and Data Management Fee

Starting January 2023, ESA implemented a 3% Technology and Data Management fee on all applicable contracts, excluding charges related to equipment rentals, reimbursable expenses, and subcontractor fees. This fee plays a pivotal role in mitigating an array of technology and data management expenditures incurred by ESA to ensure the delivery of the comprehensive and high-quality services our clients expect. These expenses include, but are not limited to:

1. Long-Term Data Retention and Security Administration: Covering the expenses associated with administering the protection of client data and assets throughout and beyond the contractual period.
2. Development and Maintenance of Internal ESA Software Tools: Accounting for the ongoing investments required to create and maintain tools integral to our client engagements.
3. Data Privacy and Security Maintenance: Encompassing the costs involved in maintaining data privacy and security, including regular security audits to uphold the highest standards.
4. Advanced Technology-Related Costs: Addressing the escalating expenses associated with subscriptions for cutting-edge technical software, licenses, and cloud data services.

This fee structure enables ESA to uphold its commitment to providing clients with top-tier services while managing the ever-evolving demands of technology and data management in the work that we do.

C. Cloud-based Services

ITEM	RATE/HOUR	RATE/DAY	RATE/WEEK	RATE/MONTH
Cloud-based Services				
Nearmap High Resolution Images		\$55/image		
ArcGIS Online Hosting (Web Maps/Apps)				\$225
Website Hosting				\$200
Custom Application & Services Hosting*				\$300*
Modeling (GeoHECRAS, TUFLOW, Delft3D) + Drone Processing	\$7	\$160	\$950	\$3,900
Aviation Environmental Design Tool (AEDT) Processing	\$13	\$190	\$1,120	\$4,600
*includes support for database, SSL, IT support – costs vary by project. Contact software development services for firm pricing.				

D. Printing/Reproduction Rates

If a weekly or monthly rate is not provided, equipment usage is billed at a daily rate.

ITEM	RATE/PAGE	SAMPLE PRICING
Black & White – 8.5 x 11	\$0.15	
Black & White – 11 x 17	\$0.30	
Color – 8.5 x 11	\$0.50	
Color – 11 x 17	\$0.80	
B&W – Plotter (Toner – ECO Quality)	\$0.50/sf	24x36 B/W CAD drawing would cost \$3 per sheet
B&W – Plotter (Toner – Presentation Quality)	\$1.25/sf	24x36 B/W CAD drawing would cost \$7.50 per sheet
Color – Plotter (Inkjet – ECO Quality)	\$2.50/sf	24x36 Color Drawing would cost \$15 per sheet
Color – Plotter (Inkjet – Presentation Quality)	\$5.00/sf	24x36 Color Drawing would cost \$30 per sheet
CD	\$10.00	
Digital Photography	\$20.00 (up to 50 images)	
All Other Items (including bindings and covers)	At cost plus 10%	

E. Equipment Rates

ITEM	RATE/DAY	RATE/WEEK	RATE/MONTH
Project Specific Equipment:			
Vehicles – Standard size (no off-road usage)	\$ 115 ^a	\$ 550 ^a	\$
Vehicles – 4x4 /Truck (light duty)	175 ^a		
Vehicles – 4x4 /Truck (heavy duty)	200 ^a		
Vehicles – ATV	175		
Noise Meter	115		
Hydroacoustic Noise Monitoring Equipment	175		
Satellite Phone	15	70	250
Electrofischer	350	1,750	
Field Traps	50		
Digital Hypsometer (Nikon)	25		
Backpack Sprayer	30		
360-Degree 4k Camera	35	175	
High Resolution Time-Lapse Camera	20	100	350
Beach Seine	60		
Block Net	30		
PIT Tagging Kit	25		
Underwater Light Meter		500	
Otter Trawl	115		
Wildlife Acoustics Bat Detector	125	400	
Wildlife Trail Camera	30	100	
Fiber Optic Endoscope	150	750	
Spotting Scope	50	200	
Sand Transport Station			460
Wind Monitoring Station			1540
Personal Protective Equipment (PPE)	25		
Photo and Video Production Equipment:			
Mirrorless Camera + Lens + SD Card	\$ 220	\$ 550	\$2000
Tripod + Camera Case	50	175	500
Lighting Equipment	20	75	250
Shotgun Microphone Kit	15	50	180
2 Person Microphone Kit	10	25	85

ITEM	RATE/DAY	RATE/WEEK	RATE/MONTH
Topographic/Bathymetric Survey Equipment:			
Total Station	\$ 300	\$	\$
UAV/Drone	300	1,500	
RTK-GPS	300		
RTK-GPS Smartnet Subscription	80		
Hypack Survey Software	150		
Laser/Auto Level	50		
Single-Beam Echoshounder	175	600	
Sidescan Sonar	200		
Sound Velocity Profiler	75		
1m GNSS Data Collection System	90	425	1,700
Sub-meter GNSS Data Collection System	120		
Sub-foot Data Collection System	245		
Garmin GPS or equivalent	45		
Hydrologic Data Collection, Water Current, Level and Wave Measurement Equipment:			
ISCO 2150 Area Velocity Flow Logger	\$ 50	\$ 300	\$ 800
SonTek IQ-Plus Area Velocity Flow Logger	100	500	1,500
Logging Rain Gage	10	50	200
Hand-Held Current Meter	50		
Surface Velocity Radar	50		
Wave Pressure Sensor		115	460
Wave Buoy		175	700
Sonic Wave Sensor	35	175	500
Logging Water Level - Pressure Transducer			125
Logging Barometric Pressure Logger			60
Well Probe / Water Level Meter	25		
Bottom-Mounted Tripod / Mooring	30	150	400
Stormwater Crest Sampler			20
ADCP Riverboard	700		
Radar Wave Sensor with Logger Box	150	300	1000
Boats:			
Small Watercraft	\$ 100	\$ 400	
15'-17' Boat	375	1,500	
18'-21' Boat	450	2,000	
22'-25' Boat	550	2,250	
Houseboat Floating Laboratory		4,500	
Water Quality Equipment:			
Logging Turbidimeter/Water Level Recorder	\$	\$	\$ 400
Logging Conductivity/Water Level Recorder			250
Remote Monitoring Logger Box		75	250
Recording Conductivity Meter w/Datalogger	20	60	200
Hand-Held Turbidimeter	50	200	
Hand-Held Salinity Meter or pH meter	35		
Logging Salinity Gauge			150
Logging DO/Temp Probe			150
Logging Water Quality Sonde 1 Sensor	50	200	700
Logging Water Quality Sonde 2 Sensor	65	250	800
Logging Water Quality Sonde 3 Sensor	75	300	900
Logging Water Quality Sonde 4 Sensor	90	350	1,000
Telemetry System Hardware			125
Water Quality Multi-Probe Depth Profiler	200		
Niskin Water Sampler	50		
ISCO 6712 Portable Sampler w/ISCO 2105 Module	60	350	900

ITEM	RATE/DAY	RATE/WEEK	RATE/MONTH
Sedimentation / Geotechnical Equipment:			
Peat Corer	\$ 85		
60lb Helly-Smith Bedload Sampler	200		
Mini-Ponar Grab Sampler	50		
DH-76 Suspended Sediment Sampler	100		
D-96 Suspended Sediment Sampler	200		
Bridge Crane	150		
RSET	50		
AMS Soil Sampling Kit	50		
Hand-Held Helley-Smith Bedload Sampler	30		
Guelph Permeameter	60		
Sludge Sampler	60		
Shear Strength Vane	60		
Handheld DH-48 Suspended Sediment Sampler	30		

^a Actual project charges will include the daily rate plus \$0.75 per beyond 100 miles

Exhibit C

