
Date: February 6, 2024

Item Number: _____
Resolution Number: _____

☐ 4/5 Vote Required

Resolution Of The Board Of Directors Of The Sonoma County Water Agency Determining That The Santa Rosa Creek Fish Passage Improvements Project Will Not Have A Significant Adverse Effect On The Environment, Adopting The Initial Study And Mitigated Negative Declaration For The Project, Adopting Mitigation Measures And The Mitigation Monitoring Reporting Program, Making Certain Related Findings, and Approving The Project. (First and Third Districts)

Whereas, the Sonoma County Water Agency (Sonoma Water) proposes to improve fish passage at two sites along Santa Rosa Creek; and

Whereas, Sonoma Water, as Lead Agency under the California Environmental Quality Act (CEQA), prepared an Initial Study and Mitigated Negative Declaration of Environmental Impact (Initial Study) for the Santa Rosa Creek Fish Passage Improvements Project (Project), in accordance with CEQA, the State CEQA Guidelines, and Sonoma Water's Compliance Procedures for CEQA; and

Whereas, the Initial Study discloses potential environmental impacts of implementing the Project, identifies the means to avoid and minimize potential significant adverse impacts on the environment and concludes the Project would not have a significant adverse effect on the environment with mitigation incorporated.

Whereas, staff have incorporated into the Mitigated Negative Declaration revisions to mitigation measures and substituted mitigation measures based on responses to comments received.

Now, Therefore, Be It Resolved that this Board finds that the foregoing recitals are true and correct and further finds, declares, determines and orders as follows:

PROCEDURAL FINDINGS.

1. The Project sites are located along Santa Rosa Creek at E Street and Melita Road in the City of Santa Rosa.

2. As described in the Initial Study Project Description, the purpose of the Project is to improve fish passage, primarily for steelhead, over a broader range of flows in Santa Rosa Creek at the E Street Bridge Fishway Extension and Melita Road Dam sites.
3. The Notice of Completion and Notice of Availability / Notice of Intent to Adopt Initial Study and Mitigated Negative Declaration were posted with the California Governor's Office of Planning and Research State Clearinghouse on June 28, 2023. The Notice of Availability and Initial Study were sent to responsible and trustee agencies and individuals. The Notice of Availability was sent to 417 individuals and nearby property owners. A legal notice was published in the Press Democrat on July 2, 2023. The Initial Study and Notice of Availability were also made available at Sonoma Water's administrative office and an electronic version of the document was made available on Sonoma Water's website.
4. The Initial Study was available for a 30-day public review period beginning on June 29, 2023 and ending on July 28, 2023. One comment letter was received.
5. Revisions to mitigation measures to address biological resources have been incorporated into the Initial Study in response to comments received. Revisions to mitigation measures in cultural resources and a substitution of the tribal cultural resources mitigation measure have been made based on AB52 consultation with the Federated Indians of Graton Rancheria. These measures are equivalent or more effective in mitigating significant effects on the environment to a less than significant level, do not cause any potentially significant effect on the environment, and do not require recirculation pursuant to Public Resources Code section 21080(f) and CEQA Guidelines section 15074.1.
6. Sonoma Water received a comment from the California Department of Fish and Wildlife advocating for additional mitigation measures for the California red-legged frog. For the reasons stated in Sonoma Water's response to comments, the suggested mitigation measure for California red-legged frog are not required by CEQA, do not create new significant environmental effects, and they are not necessary to mitigate an avoidable significant effect for the reasons explained in the Initial Study and comment response. Pursuant to CEQA Guidelines section 15073.5(c)(3), these mitigation measures will be incorporated, but they do not require recirculation.

SUBSTANTIVE FINDINGS.

1. Sonoma Water, as Lead Agency, has prepared the Initial Study and Mitigated Negative Declaration of Environmental Impact in accordance with CEQA, State CEQA Guidelines, and Sonoma Water's Compliance Procedures for CEQA.
2. The Board of Directors of Sonoma Water (Board) has reviewed and considered the environmental effects of the Project as disclosed in the Initial Study and Mitigated Negative Declaration.

3. Less-than-Significant Impacts

The Board finds that the Project described in the Initial Study has certain impacts that are less than significant, which are fully and accurately identified in the Initial Study's Chapter 3, Environmental Checklist.

4. Significant Impacts Reduced to a Less than Significant Level by Mitigation Measures

The Board finds that the Project would cause certain potentially significant adverse environmental impacts, which are fully described in the Initial Study, Chapter 3. Environmental Checklist. The Board further finds that changes or alterations have been required in or incorporated into the Project that will mitigate those impacts to less than significant levels as described in Chapter 3 of the Initial Study. A Mitigation Monitoring and Reporting Program, as described in Appendix F of the Initial Study, was prepared and is included as Exhibit A. Based on such findings, and the above statement of facts, the Board hereby finds that the significant or potentially significant adverse environmental effects posed by the Project have been eliminated or reduced to a less than significant level.

5. Mitigation and Monitoring Reporting Program

A Mitigation and Monitoring Reporting Program, as described in Appendix F of the Initial Study, was prepared. The contents of this program are set forth in Exhibit A, attached hereto and incorporated herein by this reference. The Board finds that this Mitigation and Monitoring Reporting Program is designed to ensure compliance with the mitigation measures described in the Initial Study. It will be implemented in accordance with all applicable requirements of the CEQA Statute, the State CEQA Guidelines, and Sonoma Water's Compliance Procedures for CEQA.

6. The Board finds that the Initial Study represents a good faith effort to achieve completeness and full environmental disclosure; and
7. The Board has reviewed and considered the information in the Initial Study, and finds that there is no substantial evidence that the Project will have a significant effect on the environment with mitigation incorporated and that the Mitigated Negative Declaration reflects the independent judgment and analysis of the Board.

Be It Further Resolved that the Board of Directors of the Sonoma County Water Agency having received, reviewed, and considered the Initial Study and Mitigated Negative Declaration of Environmental Impact and other evidence in the administrative record, hereby finds, determines, and certifies as follows:

1. All of the above recitals are true and correct.
2. The Initial Study and Mitigated Negative Declaration of Environmental Impact for the Project is hereby adopted. The Mitigation Monitoring and Reporting Program (Exhibit A) is hereby adopted and the Board authorizes and directs the

General Manager or his assigns to take all appropriate steps in accordance with such program to ensure that the required mitigation measures are carried out.

3. The Project is hereby approved and the Sonoma Water's General Manager will file a Notice of Determination with the County Clerk in conformance with the provisions of CEQA, State CEQA Guidelines, and Sonoma Water's Compliance Procedures for CEQA.
4. The Clerk of the Board is designated as the custodian of the documents and other materials that constitute the record of the proceedings upon which the Board's decisions herein are based. These documents may be found at the office of the Clerk of the Board, 575 Administration Drive, Room 100A, Santa Rosa, CA 95403.

Directors:

Gorin: Coursey: Gore: Hopkins: Rabbitt:

Ayes: Noes: Absent: Abstain:

So Ordered.

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Improvements Project

The Sonoma County Water Agency (Sonoma Water) is the project proponent and lead agency in accordance with the California Environmental Quality Act (CEQA) for the Santa Rosa Creek Fish Passage Improvements Project (Project). Sonoma Water prepared an Initial Study and Mitigated Negative Declaration of Environmental Impact (IS/MND) for the Project. Mitigation measures were determined necessary to reduce potentially significant impacts to a less-than-significant level for several environmental factors, including biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, noise, transportation, tribal cultural resources, utilities and service systems, and wildfire.

CEQA and the State CEQA Guidelines (Public Resources Code Section 21081.6 and State CEQA Guidelines Section 15097) require that a mitigation monitoring and reporting program (MMRP) be adopted upon certification of a mitigated negative declaration to ensure that the mitigation measures are implemented. This MMRP has been prepared to ensure compliance with CEQA and that all required mitigation measures are implemented and completed in a satisfactory manner before, during, and after project construction, operation, and maintenance, as applicable. The Project IS/MND was certified and MMRP adopted by Sonoma Water's Board of Directors on February 6, 2024. A record of the MMRP will be maintained at the office of the Clerk of the Board, 575 Administration Drive, Room 100A, Santa Rosa, CA 95403.

The MMRP is organized in a table format that includes the following:

- **Mitigation Measure**, the verbatim text of the mitigation measure specified in the Project IS/MND.
- **Action**, the discrete action(s) to be implemented to ensure compliance with the mitigation measure.
- **Implementing Party**, the individual and/or entity responsible for implementing the mitigation measure.
- **Timing**, the time frame in which the mitigation will be implemented.
- **Responsible Party**, the individual or entity that will monitor the measure and ensure that it complies with this MMRP.
- **Verification**, date and signature by the Responsible Party confirming an action was completed by one of the following:
 - Technical Writing,
 - Construction Inspection,
 - Engineering,
 - Operations and Maintenance (O&M),
 - Environmental Resources (ER), or
 - Project Manager (PM)

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<p>for the relevant species and all required authorizations, a qualified biologist (including those specializing in botany, wildlife, and fisheries) is an individual who shall have a minimum of 5 years of academic training and professional experience in biological sciences and related resource management activities with a minimum of 2 years conducting surveys for each species that may be present within the Proposed Project site;</p> <p>b. Life stages (juveniles and adults) of the species that would be relocated if they are present, and life stages for which relocation may not be feasible (e.g., eggs) and associated avoidance measures;</p> <p>c. Survey methods for identifying special-status species in the project area, which are anticipated to include dipnetting, seining, and electrofishing;</p> <p>d. Capture and relocation methods, including dipnetting, seining, and electrofishing, including following the Restraint and Handling of Live Amphibians Standard Operation Procedures, prepared by U. S. Geological Survey, dated February 16, 2001;</p> <p>e. Identification and description of the relocation area;</p> <p>f. The following criteria shall be considered when selecting release site(s): proximity to the work area; similar water temperature as capture location; ample habitat availability prior to release of captured aquatic species; and low likelihood of animals reentering work site;</p> <p>g. Monitoring of water quality and health of relocated animals;</p>					

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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<p>h. Method for monitoring and ensuring relocated animals do not return to the project area, such as location of block nets or cofferdams, which will be determined in the field based on wetted conditions on site at the time of project construction;</p> <p>i. <u>At least two weeks prior to the commencement of ground-disturbing activities, the project area and nearby vicinity, including a minimum 500-foot radius surrounding the project activity area, shall be assessed by a qualified biologist for the presence of California red-legged frogs and habitat features. Habitat features include both aquatic habitat such as plunge pools and ponds and terrestrial habitat such as burrows or other refugia. If habitat occurs, then no more than 48 hours prior to ground-disturbing activities the area shall be surveyed by a qualified biologist. The results of the habitat feature assessment and survey shall be submitted to CDFW for written acceptance prior to starting project activities. Burrows and refugia sites shall be flagged or otherwise marked for avoidance; project activities shall avoid habitat features to the extent feasible. If California red-legged frogs are encountered during the assessment or project activities, the project shall not proceed or all work shall cease, and CDFW shall immediately be notified. Work shall not proceed until the frog, through its own volition, moves out of harm's way and CDFW has provided permission in writing to proceed with the project. If California red-legged frog is encountered or the qualified biologist determines that impacts to the species are likely to occur, the project shall consult with USFWS pursuant to the federal ESA</u></p>					

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<p><u>and receive written approval from CDFW prior to the impact. In this case, CDFW may require additional protection measures which shall be implemented by the project; and</u></p> <p>j. The Special-Status Species Relocation Plan shall be submitted to the California Department of Fish and Wildlife for approval prior to commencement of relocating aquatic species out of construction or maintenance areas.</p>					
<p>Mitigation Measure BIO-3: Worker Environmental Awareness Training</p> <p>Sonoma Water shall require contractors, through project contract specifications, and maintenance staff to participate in the following:</p> <p>1. Prior to beginning construction activities, all personnel involved in the activities shall participate in an educational training session conducted by a qualified biologist. A qualified biologist (including those specializing in botany, wildlife, and fisheries) is an individual who shall have a minimum of 5 years of academic training and professional experience in biological sciences and related resource management activities with a minimum of 2 years conducting surveys for each species that may be present within the Proposed Project site. Resumes will be submitted to California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, and/or National Marine Fisheries Service, as appropriate, for approval prior to commencement of biological surveys. Sonoma Water may also utilize appropriately experienced and/or trained environmental staff. This training shall include instruction on how to identify bird nests, recognize special status species and sensitive habitats, regulatory</p>	<p>Include items 1-2 in the project contract specifications</p> <p>Schedule time for training with contractor</p> <p>Schedule time for training with maintenance staff</p>	<p>Technical Writing</p> <p>Construction Inspection</p> <p>O&M</p>	<p>Contractor agreement</p> <p>Prior to construction and maintenance</p> <p>Prior to maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p> <p>O&M</p>	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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<p>protections, and the appropriate protocol if any special species or nests are found during construction.</p> <p>2. Personnel must participate in a training session before conducting construction activities.</p>	Items 1 and 2 - conduct training	ER	Prior to construction and maintenance	PM	
<p>Mitigation Measure BIO-4: Nesting Bird Protection Measures</p> <p>If construction or maintenance activities must be scheduled during the bird nesting season (February 15 through August 15 for most birds), a qualified biologist familiar with the species and habitats in the area, shall conduct pre-construction surveys for raptors within suitable habitat within 500 feet of construction and maintenance activities and passerine nesting birds within 50 feet of construction and maintenance activities. The surveys shall be conducted no more than 1 week before initiation of construction or maintenance activities. If no active nests are detected during surveys, activities may proceed. Vegetation removal activities shall be conducted under the guidance of a qualified biologist or designated biological monitor. A qualified biologist (including those specializing in botany, wildlife, and fisheries) is determined by a combination of academic training and professional experience in biological sciences and related resource management activities. Sonoma Water may also utilize appropriately experienced and/or trained environmental staff. Resumes will be submitted to California Department of Fish and Wildlife (CDFW), U.S. Fish and Wildlife Service, and/or National Marine Fisheries Service, as appropriate, for approval prior to commencement of biological surveys.</p> <p>If active nests are identified in the project area, non-disturbance buffers shall be established at a distance of 500 feet for raptors, and 50 feet for all other bird species. Buffer distance may be adjusted with CDFW approval if</p>	<p>Schedule time for nest survey with ER</p> <p>Conduct nesting bird survey</p> <p>Establish nest buffers</p>	<p>Construction Inspection</p> <p>ER</p> <p>ER</p>	<p>1 week prior to construction and maintenance</p> <p>1 week prior to construction and maintenance</p> <p>During construction and maintenance</p>	<p>Construction Inspection</p> <p>PM</p> <p>PM</p>	

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the adjustment will not disturb birds. If active nests are found within 500 feet of a work area, a qualified biologist shall be on site as necessary to monitor the nests for signs of nest disturbance. If it is determined that construction or maintenance activity is resulting in nest disturbance, work shall cease immediately and CDFW shall be contacted. Buffers shall remain in place until a qualified biologist determines that the young have successfully fledged, or nests have been otherwise abandoned.					
Mitigation Measure BIO-5: Revegetation of Riparian Areas Sonoma Water shall prepare a Revegetation Plan prior to commencement of construction activities. The Revegetation Plan at a minimum shall include the following: <ol style="list-style-type: none"> 1. Sonoma Water shall conduct site revegetation that includes seeding with a mix of native grass, sedge and/or forb species after activities are complete during the fall and prior to the first significant rainfall (significant rainfall is defined as a forecast of 50% or greater chance of precipitation). <ol style="list-style-type: none"> a. Seed mix shall be applied to disturbed work areas with exposed soil above the creek's shoreline. b. Biodegradable erosion control fabric, hydromulch, or other mechanism shall be applied as appropriate to provide protection to seeds, hold them in place, and help retain moisture. Work areas that are concrete-lined or have a substrate of gravel and cobble deposited by creek flows shall not be seeded. If erosion control fabric is used, fabric shall consist of natural fibers that biodegrade over time. No plastic 	Items 1-4 (revegetation) Item 5 (annual reporting) Item 6 (Revegetation Plan)	ER ER ER	After construction Annually for 5 years post-construction Prior to construction	PM PM PM	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project						
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<p>or other non-porous material shall be used as part of a permanent erosion control approach. Erosion control fabric shall be anchored in place. Anchors can include U-shaped wire staples, metal geotextiles stake pins or wooden stakes. The manufacturer's installation recommendations shall be followed.</p> <p>2. Sonoma Water shall inspect seeded areas after the first winter rain events. If evidence of erosion is detected, corrective measures shall be implemented including additional seed application, installation of native nursery stock plantings, and/or installation of erosion control fabric.</p> <p>3. Sonoma Water shall replant the 12 trees to be removed, including five trees at E Street Fishway Extension and seven trees at Melita Dam site. The following trees would be removed and replaced with the same species at the E Street Bridge Fishway Extension site:</p> <ul style="list-style-type: none"> One 12-inch DBH box elder tree Two 24-inch DBH willow trees One multi-trunk oak tree (18- and 30-inch DBH trunks) <p>The following trees would be removed and replaced with the same species on site, at the Melita Road Dam site:</p> <ul style="list-style-type: none"> One 12-inch DBH alder tree One 13-inch DBH alder tree Three 14-inch DBH alder trees One 16-inch DBH alder tree One 20-inch DBH alder tree 						Deleted: at a 3:1 ratio within the Proposed Project area
						Deleted: on site, at a 3:1 ratio,
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<p><u>To mitigate for the removal of trees, replacement trees shall be planted at the below minimum replacement to removal ratios:</u></p> <ul style="list-style-type: none"> • <u>1:1 for removal of non-native trees;</u> • <u>1:1 for removal of native trees up to 3 inches diameter at breast height (DBH);</u> • <u>3:1 for removal of native trees greater than 3 inches to 6 inches DBH;</u> • <u>6:1 for removal of native trees greater than 6 inches DBH;</u> • <u>1:1 for removal of oak (Quercus sp.) trees up to 3 inches DBH;</u> • <u>4:1 for removal of oak (Quercus sp.) trees greater than 3 inches to 6 inches DBH;</u> • <u>4:1 for removal of oak (Quercus sp.) trees greater than 6 inches to 15 inches DBH;</u> • <u>10:1 for removal of oak (Quercus sp.) trees greater than 15 inches DBH;</u> <p>For willow species, green sticks shall be collected, prepared, and installed between December and February when willows are dormant and can be easily propagated in saturated soil conditions adjacent to the channel. For oak species, <u>5</u>-gallon containers or <u>greater</u> shall be installed in a suitable location above the ordinary high water mark. Trees shall be installed during the late fall or winter season after construction is complete.</p> <p>4. Natural recruitment of native trees within planted areas will be incorporated into revegetation monitoring. The monitoring of planted trees shall be conducted for 5 years to determine survival rates, remedial actions, or other maintenance needs to attain <u>85</u></p>					

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Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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<p>percent survival of the mitigation trees. Monitoring shall involve collecting quantitative data on vegetative cover, percent cover of native plants, and photograph documentation of revegetation areas.</p> <p>5. Sonoma Water shall prepare a monitoring report describing the success of revegetation and any corrective measures implemented annually for 5 years.</p> <p>6. The Revegetation Plan shall be submitted to the California Department of Fish and Wildlife for approval prior to commencement of construction activities.</p>					
<p>Mitigation Measure BIO-6: Avoid, Minimize, or Compensate for Impacts to Jurisdictional Wetlands and Other Protected Waters</p> <p>Construction activities resulting in the introduction of fill or other disturbance to jurisdictional wetlands and other protected waters may require a permit from the U.S. Army Corps of Engineers pursuant to Section 404 of the Clean Water Act (CWA) and a Water Quality Certification from North Coast Regional Water Quality Control Board pursuant to Section 401 of the CWA. California Department of Fish and Wildlife has jurisdiction over streams and may require a Streambed Alteration Agreement under Section 1602 of the California Fish and Game Code. Sonoma Water shall apply for permits from the appropriate regulatory agencies and comply with terms.</p>	Obtain permits	ER	Prior to construction	PM	
<p>Mitigation Measure BIO-7: Additional Off-Site Heritage Tree Replanting</p> <p>Sonoma Water shall request approval from the City of Santa Rosa Recreation and Parks Department Director to replant 10 live oak and 9 alder trees off-site at a City-approved location, if required. Sonoma Water shall pay any</p>	Heritage tree replacement	ER	Prior to construction	PM	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
required replanting fees or pay an in-lieu fee of \$100.00 per 15-gallon replacement tree.					
Cultural Resources					
Mitigation Measure CUL-1: Inadvertent Discovery of Historical and Archaeological Resources and Worker Awareness Training					
1. The contractor shall comply with Sonoma Water's Standard Contract Documents regarding the discovery of cultural resources, including Native American cultural resources and items of historical and archaeological interest. The Sonoma Water Construction Inspector and construction personnel will be notified of the possibility of encountering cultural resources during project construction.	Include items 1-2 in the project contract specifications	Technical Writing	Contractor agreement	Technical Writing	
a. Prior to initiation of ground-disturbing activities, Sonoma Water shall arrange for construction personnel to receive training about the kinds of cultural materials that could be present at the project sites and protocols to be followed should any such materials be uncovered during construction. An archaeologist who meets the U.S. Secretary of Interior's professional standards (48 Federal Register [Fed. Reg.] 44716, 44738-44739 and Appendix A to 36 CFR 61) shall provide appropriate archaeological training, including the purpose of the training to increase awareness and knowledge of Tribal cultural resources and appropriate protocols in the event of an inadvertent discovery. The Tribal Monitor shall provide appropriate Tribal cultural resources training as determined by the <u>Federated Indians of Graton Rancheria</u> . Training may be required during	Item 1a - schedule archaeologist and tribal monitor for worker training	ER	Prior to construction and maintenance	PM	

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Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<p>different phases of construction to educate new construction personnel.</p> <p>2. The project specifications will provide that if discovery is made of items of historical, archeological, or cultural interest, the contractor will immediately cease all work activities in the area of discovery. Historical, archaeological, and cultural indicators may include, but are not limited to, dwelling sites, locally darkened soils, stone implements or other artifacts, fragments of glass or ceramics, animal bones, and human bones. After cessation of excavation, the contractor will immediately contact Sonoma Water's Construction Inspector. The contractor will not resume work until authorization is received from the Construction Inspector.</p> <p>a. In the event of unanticipated discovery of archaeological materials during construction, Sonoma Water shall retain the services of a qualified professional archaeologist who meets the U.S. Secretary of Interior's professional standards (48 CFR Fed. Reg. 44716, 44738-44739 and Appendix A to 36 CFR 61) to evaluate the significance of the items prior to resuming any activities that could impact the site.</p> <p>b. In the case of an inadvertent archaeological discovery, if it is determined that the find is potentially eligible for listing in the California Register of Historical Resources and/or National Register of Historic Places, and the site cannot be avoided, additional mitigation measures shall be implemented. Mitigation measures may include (but are not limited to): avoidance; capping the site; deeding the site into a permanent conservation easement; or data recovery excavation. Mitigation measures for</p>	Item 2 - inadvertent discovery of archaeological materials	Construction Inspection	During construction and maintenance	Construction Inspection	

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historical resources shall be developed in consultation with responsible agencies and the <i>Federated Indians of Graton Rancheria</i> . If data recovery excavation is necessary, Sonoma Water shall provide an Archaeological Resource Management and Data Recovery Plan, prepared by a qualified archaeologist <i>and the Federated Indians of Graton Rancheria</i> , outlining recovery of the resource, analysis, and reporting of the find. The Archaeological Resource Management and Data Recovery Plan shall be approved by Sonoma Water and <i>the Federated Indians of Graton Rancheria</i> . Implementation of the Archaeological Resource Management and Data Recovery Plan shall be conducted prior to work being resumed.					
Mitigation Measure CUL-2: Inadvertent Discovery of Human Remains The project specifications shall require the contractor to comply with Public Resources Code 5097.98 and Health and Human Safety Code 7050.5, as they pertain to the discovery of human remains. If human remains are encountered, the contractor shall halt work within 50 feet of the find, and contact Sonoma Water's Construction Inspector and the Sonoma County Coroner in accordance with Public Resources Code Section 5097.98 and Health and Safety Code Section 7050.5. Work shall cease in the immediate area until the Section 5097.98 process is concluded.	Include measure in the project contract specifications	Technical Writing	Contractor agreement	Technical Writing	
Geology and Soils					

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Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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The potential for substantial soil erosion or loss of topsoil would be reduced to a less than significant level with incorporation of Mitigation Measure BIO-5: Revegetation of Riparian Areas.					
Hazards and Hazardous Materials					
Mitigation Measure HAZ-1: Spill Prevention and Response <p>Sonoma Water shall require the contractors, through contract specifications, to prepare a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP shall comply with Caltrans Storm Water Pollution Prevention Plan and Water Pollution Control Program Preparation Manual and the Caltrans Construction Site Best Management Practices Manual. Sonoma Water shall require contractors, through contract specifications, and maintenance staff to follow the SWPPP during all Proposed Project activities as well as implement the following measures:</p> <ol style="list-style-type: none"> 1. All field personnel shall be appropriately trained in spill prevention, hazardous material control, and cleanup of accidental spills. 2. Equipment and materials for cleanup of spills shall be available on site and spills and leaks shall be cleaned up immediately and disposed of in accordance with local, state, and federal regulations. 3. Spill prevention kits shall always be in close proximity when using hazardous materials (e.g., crew trucks and other logical locations). Spill clean-up materials shall be stockpiled where they are readily accessible. All field personnel shall be advised of these locations and trained in their appropriate use. 	<p>Include measure in the project contract specifications</p> <p>Items 1-7 spill prevention</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor agreement</p> <p>During construction and maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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<p>4. During construction and maintenance activities, Sonoma Water staff and contractor(s) shall routinely inspect the work site to verify that items 1-4 above are properly implemented and maintained.</p> <p>5. Absorbent materials shall be used on small spills located on impervious surface rather than hosing down the spill; wash waters shall not discharge to the storm drainage system or surface waters. For small spills on pervious surfaces such as soils, wet materials shall be excavated and properly disposed rather than burying it. The absorbent materials shall be collected and disposed of properly and promptly.</p> <p>6. Vehicle and equipment maintenance activities shall be conducted off-site or in a designated, protected area away from the creek channel equipped with secondary containment and designed to avoid a direct connection to underlying soil, surface water, or the storm drainage system. For stationary equipment that must be fueled on-site, secondary containment, such as a drain pan or drop cloth, shall be provided in such a manner to prevent accidental spill of fuels to underlying soil, surface water, or the storm drainage system.</p> <p>7. All vehicles and equipment shall be kept clean. Excessive build-up of oil or grease shall be avoided. Incoming vehicles and equipment shall be checked for leaking oil and fluids (including delivery trucks, and employee and subcontractor vehicles). Leaking vehicles or equipment shall not be allowed on-site.</p>					

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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<p>6. The contractor shall be aware of the signs of a gas leak. The signs of a gas leak can be the presence of a sulfur-like odor; hissing, whistling, or roaring sounds; dirt spraying into the air; continual bubbling in the presence of standing water; or dead or dying vegetation in an otherwise moist area.</p> <p>7. In the event of accidental release, or if the contractor dents, scrapes, or damages the gas pipe in any way, the contractor shall first evacuate the worksite at least 300 feet upwind from the damage, then call 911 to notify emergency personnel, and then call PG&E at 1-800-743-5000 to report the gas leak.</p>					
<p>Mitigation Measure HAZ-3: Vehicle Avoidance of Third Street</p> <p>All trucks and other vehicles carrying hazardous substances associated with construction activities shall be required to avoid Third Street between E Street and Brookwood Avenue at all times.</p>	<p>Include measure in the project contract specifications</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor agreement</p> <p>During construction</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	
Hydrology and Water Quality					
<p>Mitigation Measure HWQ-1: Staging and Stockpiling of Materials</p> <p>Sonoma Water shall require contractors, through contract specifications, and maintenance staff to implement the following:</p> <p>1. Staging shall occur on work areas, access roads, surface streets, designated stockpile areas, or other disturbed areas that are already compacted and only support ruderal vegetation. Similarly, all equipment and materials shall be contained within the existing service roads, paved</p>	<p>Include measure in the project contract specifications</p> <p>Items 1-4</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor agreement</p> <p>During construction</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<p>roads, or other pre-determined staging and stockpile areas. Equipment and materials that contain lubricants and fuels shall not be staged within the creek channel.</p> <p>2. All project-related items, including equipment, stockpiled material, temporary erosion control treatments, and trash, shall be removed within 72 hours of construction completion.</p> <p>3. As necessary, to prevent sediment-laden water from being released back into the channel during transport of spoils to disposal locations, truck beds shall be lined with an impervious material (e.g., plastic), or the tailgate blocked with wattles, hay bales, or other appropriate filtration material. Trucks may drain excess water by slightly tilting the loads and allowing the water to drain out through the applied filter, only within the active work area where the sediment is being loaded into the trucks.</p> <p>4. No runoff from the staging areas shall be allowed to enter waters of the state, including the creek channel or storm drains, without being subjected to adequate filtration (e.g., vegetated buffer, hay wattles or bales, silt screens). The discharge of decant water from any temporary sediment stockpile or storage areas to waters of the state, including surface waters or surface water drainage courses, outside of the active project site, is prohibited.</p>					
Noise					
<p>Mitigation Measure NOI-1: Avoid and Minimize Construction Noise</p> <p>Sonoma Water shall require contractors, through contract specifications, and maintenance staff to implement the following:</p>	Include measure in the project	Technical Writing	Contractor agreement	Technical Writing	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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1. Work shall be limited to the hours of 7:00 a.m. to 7:00 p.m. Monday through Friday, and 8:00 a.m. to 6:00 p.m. on Saturday. No construction shall be permitted on Sunday or on holidays.	contract specifications				
2. Power equipment (vehicles, heavy equipment, and hand equipment such as chainsaws) shall be equipped with manufacturer's sound-control devices, or alternate sound control that is no less effective than those provided as original equipment. Equipment shall be operated and maintained to meet applicable standards for construction noise generation. No equipment shall be operated with an unmuffled exhaust.	Items 1-2	Construction Inspection	During construction and maintenance	Construction Inspection	
Transportation					
Mitigation Measure TRA-1: Traffic Control Measures					
Sonoma Water shall require contractors, through contract specifications, and maintenance staff to implement the following:					
1. Construction and activities shall be staged and conducted in a manner that maintains two-way traffic flow on maintenance public roadways in the vicinity of the work site to the maximum extent practicable. If temporary lane closures are necessary, they shall be coordinated with the City of Santa Rosa at least seven days prior to commencement of closure and scheduled to occur outside of peak traffic hours (7:00 – 10:00 a.m. and 3:00 – 6:00 p.m.). Work shall be coordinated so that emergency vehicles and personnel shall be provided immediate access at all times.					
2. Traffic control and safety precautions shall conform to the "California Manual on Uniform Traffic Control Devices" (latest					

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<p>edition), and applicable provisions of the City of Santa Rosa encroachment permits.</p> <p>3. Traffic control and safety precautions shall provide safe passage for vehicular and pedestrian traffic through the work at all times.</p> <p>4. Subject to encroachment permit requirements, traffic on two-lane streets may be reduced to one lane provided that restriction of traffic flow, flaggers, cones, signs, and barricades are furnished as required by Sonoma Water. Traffic shall be permitted equal flow time in each direction.</p> <p>5. At least seven days prior to commencement of work, notify residents along the Proposed Project roadways, in writing, that traffic flows will be subject to detours and/or delays, and that access to individual driveways may be disrupted during working hours. Notice shall also be provided in writing to the property owner.</p>					
<p>6. At least seven days prior to commencement of work, post notifications in the project area to inform drivers of impending construction work and likely delays and detours.</p> <p>7. Construction and activities shall be staged and conducted in a manner that maintains two-way traffic flow on maintenance public roadways in the vicinity of the work site to the maximum extent practicable. If temporary lane closures are necessary, they shall be coordinated with the City of Santa Rosa at least seven days prior to commencement of closure and scheduled to occur outside of peak traffic hours (7:00 – 10:00 a.m. and 3:00 – 6:00 p.m.). Work shall be</p>	<p>Include items 1-8 in the project contract specifications</p> <p>Items 1-8 traffic management</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	<p>Contractor agreement</p> <p>During construction and maintenance</p>	<p>Technical Writing</p> <p>Construction Inspection</p>	

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
Mitigation Measure	Action	Implementing Party	Timing	Responsible Party	Verification (Signature, Date of Compliance)
<p>coordinated so that emergency vehicles and personnel shall be provided immediate access at all times.</p> <p>8. Traffic control and safety precautions shall conform to the "California Manual on Uniform Traffic Control Devices" (latest edition), and applicable provisions of the City of Santa Rosa encroachment permits.</p> <p>9. Traffic control and safety precautions shall provide safe passage for vehicular and pedestrian traffic through the work at all times.</p> <p>10. Subject to encroachment permit requirements, traffic on two-lane streets may be reduced to one lane provided that restriction of traffic flow, flaggers, cones, signs, and barricades are furnished as required by Sonoma Water. Traffic shall be permitted equal flow time in each direction.</p> <p>11. At least seven days prior to commencement of work, notify residents along the Proposed Project roadways, in writing, that traffic flows will be subject to detours and/or delays, and that access to individual driveways may be disrupted during working hours. Notice shall also be provided in writing to the property owner.</p> <p>12. At least seven days prior to commencement of work, post notifications in the project area to inform drivers of impending construction work and likely delays and detours.</p> <p>13. Access for driveways and private roads shall be maintained. If brief periods of construction would temporarily block access, property occupants would be notified, in writing, at least three days in advance of blocking property occupants' driveways. Notice shall also be provided in writing to the property owner.</p>					

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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14. Adequate off-street parking shall be provided or designated public parking areas shall be used for workers' personal vehicles and construction-related vehicles not in use through the maintenance period.					
Tribal Cultural Resources					
Mitigation Measure TCR-1: Tribal Monitor During Ground-Disturbing Activities During ground-disturbing activities, a representative from <u>the Federated Indians of Graton Rancheria</u> shall be present to monitor ground-disturbing activities.	Include measure in project contract specifications Provide work schedule to PM Arrange for tribal monitor	Technical Writing Construction Inspection ER	Contractor agreement Prior to construction and maintenance Prior to construction and maintenance	Technical Writing Construction Inspection PM	
Mitigation Measure TCR -2: Inadvertent Discovery of Tribal Cultural Resources If during ground-disturbing activities, a tribal cultural resource is inadvertently encountered, the contractor shall halt work within 50 feet of the find to allow the Tribal Monitor from the Federated Indians of Graton	Include measure in project	Technical Writing	Contractor agreement	Technical Writing	

Deleted: a culturally affiliated Tribe

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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<p><u>Rancheria (Tribe) to assess the find. If the resource is an archaeological discovery potentially eligible for listing in the California Register of Historical Resources and/or National Register of Historic Places, Mitigation Measure CUL-1 shall apply. If human remains or grave/burial goods are identified, Mitigation Measure CUL-2 shall apply. If the Tribal Monitor determines the find is a tribal resource, the monitor shall notify Sonoma Water's Construction Inspector. Sonoma Water shall engage in consultation with the Tribe to develop a plan to avoid or minimize the potential for significant adverse impacts to tribal cultural resources, which may include, but is not limited to, one or more of the following:</u></p> <ul style="list-style-type: none"> <u>avoidance and preservation in place during construction activities;</u> <u>the Tribe will recover and retain the resource in the form and manner deemed appropriate by the Tribe for cultural purposes;</u> <u>treating the resource with culturally appropriate dignity taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:</u> <ul style="list-style-type: none"> <u>Protecting the cultural character and integrity of the resource, including identifying appropriate reburial locations</u> <u>Protecting the traditional use of the resource</u> <u>Protecting the confidentiality of the resource</u> 	<p><u>contract specifications</u></p> <p><u>Provide work schedule to PM</u></p> <p><u>Arrange for tribal monitor</u></p>	<p><u>Construction Inspection</u></p> <p><u>ER</u></p>	<p><u>Prior to construction and maintenance</u></p> <p><u>Prior to construction and maintenance</u></p>	<p><u>Construction Inspection</u></p> <p><u>PM</u></p>	
Utilities and Service Systems					

Mitigation Monitoring and Reporting Program for the Santa Rosa Creek Fish Passage Project					
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Potential impacts to the existing PG&E gas line at the Melita Road Dam site would be avoided by implementing Mitigation Measure HAZ-2: Existing Gas Line Protection.					
Wildfire					
Implementation of Mitigation Measure TRA-1: Traffic Control Measures during construction and maintenance activities would ensure that emergency access is maintained in the event of wildlife.					