

EXECUTIVE SUMMARY

The California State Lands Commission (CSLC) is the lead agency under the California Environmental Quality Act (CEQA) (Pub. Resources Code, § 21000 et seq.) and has prepared this Initial Study (IS)/Mitigated Negative Declaration (MND) that analyzes and discloses the environmental effects associated with the proposed Pacific Gas & Electric Company (PG&E) Line 130 (L-130) Sacramento River Crossing Pipeline Replacement Project (Project). The Project would authorize PG&E (Applicant) to decommission and replace Project-related facilities located (in part) within CSLC Lease No. 5438.1-B. The Project area is located within portions of Solano and Sacramento Counties, California (Figure ES-1). The westernmost Project area is located at the south end of the city of Rio Vista and extends east across the Sacramento River into primarily agricultural lands on Brannan Island (Figure ES-2).

Pipeline replacement, decommissioning, and removal activities would result in a total temporary disturbance footprint of approximately 10.94 acres and a total excavation footprint of approximately 0.65 acre (0.14 acre of excavation associated with pipeline replacement activities and 0.51 acre of excavation associated with decommissioning activities).

CSLC has prepared this MND because it determined that, while the IS identifies potentially significant impacts related to the Project, mitigation measures (MMs) incorporated into the Project proposal and agreed to by the Applicant would avoid or mitigate those impacts to a point where no significant impacts occur.

PROPOSED PROJECT

The proposed Project would be conducted in two distinct phases (Figure ES-2). Phase 1 would replace the pipeline segment of L-130 that crosses the Sacramento River using Horizontal Directional Drilling (HDD) techniques just north of and parallel to the existing crossing alignment, and includes the following major components:

- Drilling a pilot hole for a 16-inch-diameter pipeline under the Sacramento River using HDD methods conducted from both sides of the crossing, intersecting at a midpoint approximately 80 to 90 feet below the riverbed.
- Pulling the 16-inch-diameter pipe string into the final bore from the East Work Area to the West Work Area landing.
- Tying in the new pipeline crossing to the existing terrestrial pipeline network via short sections of trench-installed pipe.

Phase 2 would begin by pigging and flushing (cleaning by pushing a solid plug or “pig” device and clean fluids through) the pipeline segments to be decommissioned to remove any potential contaminants. Specific pipeline segments that would be abandoned in place would then be filled with concrete slurry while other segments would be removed, as described below. For planning purposes, Phase 2 would be addressed in four segments that are numbered sequentially from western end of the decommissioned pipeline to the eastern end (Figure ES-3), and would have the following final dispositions:

- **Segment 1 - West Terrestrial Segment.** 446 feet of L-200A-3 pipeline filled with cement slurry and abandoned in place. 65 feet of L-130 pipeline removed. Concrete valve box removed.
- **Segment 2 – Submarine Pipeline Segment.** 2,470 feet of L-130 pipeline removed.
- **Segment 3 – East Levee Segment.** 71 feet of L-130 pipeline removed. 283 feet of L-195-1 pipeline removed. Concrete valve box removed. 53 feet of casing beneath State Route 160 removed.
- **Segment 4 – East Residential and Agricultural Segment.** 535 feet of L-195-1 pipeline filled with cement slurry and abandoned in place.

ENVIRONMENTAL IMPACTS AND PROPOSED MITIGATION MEASURES

The environmental issues checked below in Table ES-1 would be potentially affected by this Project; a checked box indicates that at least one impact would be a “potentially significant impact.” The Applicant has agreed to Project revisions, including the implementation of MMs, that would reduce the potential impacts to “less than significant with mitigation,” as detailed in Section 3.0, *Environmental Checklist and Analysis*, of this MND. Table ES-2 lists the proposed MMs designed to reduce or avoid potentially significant impacts. With implementation of the proposed MMs, all Project-related impacts would be reduced to less than significant levels.

Table ES-1. Environmental Issues and Potentially Significant Impacts

<input checked="" type="checkbox"/> Aesthetics	<input type="checkbox"/> Agriculture and Forestry Resources	<input checked="" type="checkbox"/> Air Quality
<input checked="" type="checkbox"/> Biological Resources	<input checked="" type="checkbox"/> Cultural Resources	<input checked="" type="checkbox"/> Cultural Resources – Tribal
<input type="checkbox"/> Energy	<input checked="" type="checkbox"/> Geology, Soils, and Paleontological Resources	<input type="checkbox"/> Greenhouse Gas Emissions
<input checked="" type="checkbox"/> Hazards and Hazardous Materials	<input checked="" type="checkbox"/> Hydrology and Water Quality	<input type="checkbox"/> Land Use and Planning
<input type="checkbox"/> Mineral Resources	<input type="checkbox"/> Noise	<input type="checkbox"/> Population and Housing
<input type="checkbox"/> Public Services	<input checked="" type="checkbox"/> Recreation	<input checked="" type="checkbox"/> Transportation
<input checked="" type="checkbox"/> Utilities and Service Systems	<input type="checkbox"/> Wildfire	<input checked="" type="checkbox"/> Mandatory Findings of Significance

Table ES-2. Summary of Proposed Project Mitigation Measures

Aesthetics
MM AES-1: Nighttime Illumination Shielding
Air Quality
MM AQ-1: Implement Basic Construction Emissions Control Practices and Best Management Practices.
Biological Resources
MM BIO-1: Environmental Training Program
MM BIO-2: Biological Monitoring
MM BIO-3: Turbidity Monitoring Plan
MM BIO-4: Swainson's Hawk Nesting Season Avoidance or Pre-Construction Surveys
MM BIO-5: Nesting Bird Season Pre-Construction Surveys.
MM BIO-6: Giant Gartersnake Work Window and Pre-Construction Surveys
MM BIO-7: Western Pond Turtle Pre-Construction Surveys
MM BIO-8: Botanical Pre-Construction Surveys
MM BIO-9: Site Restoration
MM HAZ-1: Project Work and Safety Plan
MM HAZ-2: Inadvertent Release Contingency Plan
MM HYDRO-1: Stormwater Pollution Prevention Plan
Cultural Resources
MM CUL-1/TCR-1: Cultural and Tribal Cultural Resources Awareness Training
MM CUL-2/TCR-2: Cultural and Tribal Cultural Resources Management and Treatment Plan (CRMTP)
MM CUL-3/TCR-3: Cultural and Tribal Cultural Resources Monitoring
MM CUL-4/TCR-5: Discovery of Previously Unknown Cultural or Tribal Cultural Resources
MM CUL-5/TCR-7: Unanticipated Discovery of Human Remains

Cultural Resources – Tribal
MM CUL-1/TCR-1: Cultural and Tribal Cultural Resources Awareness Training
MM CUL-2/TCR-2: Cultural and Tribal Cultural Resources Management and Treatment Plan (CRMTP)
MM CUL-3/TCR-3: Cultural and Tribal Cultural Resources Monitoring
MM TCR-4: Monitoring and Inspection of Grading and Excavation
MM CUL-4/TCR-5: Discovery of Previously Unknown Cultural or Tribal Cultural Resources
MM TCR-6: Treatment of Tribal Cultural Resources
MM CUL-5/TCR-7: Unanticipated Discovery of Human Remains
Geology, Soils, and Paleontological Resources
MM BIO-9: Site Restoration
MM HYDRO-1: Stormwater Pollution Prevention Plan
Hazards and Hazardous Materials
MM HAZ-1: Project Work and Safety Plan
MM HAZ-2: Inadvertent Release Contingency Plan
MM HAZ-3: Pre- and Post-Project Bathymetric and Surficial Features Multi-Beam Debris Survey
MM HAZ-4: Asbestos Handling Procedures
MM T-1: Traffic Control Plan
Hydrology and Water Quality
MM HYDRO-1: Stormwater Pollution Prevention Plan
MM HAZ-1: Project Work and Safety Plan
MM HAZ-2: Inadvertent Release Contingency Plan
MM HAZ-4: Asbestos Handling Procedure
MM BIO-3: Turbidity Monitoring Plan
MM BIO-9: Site Restoration
Recreation
MM REC-1: Riverine Safety Measures
MM REC-2: Advanced Notice to Mariners
Transportation
MM T-1: Traffic Control Plan
MM REC-1: Riverine Safety Measures
MM REC-2: Advanced Notice to Mariners
Utilities and Service Systems
MM HAZ-1: Project Work and Safety Plan
MM HAZ-4: Asbestos Handling Procedure

Figure ES-1. Project Vicinity Map

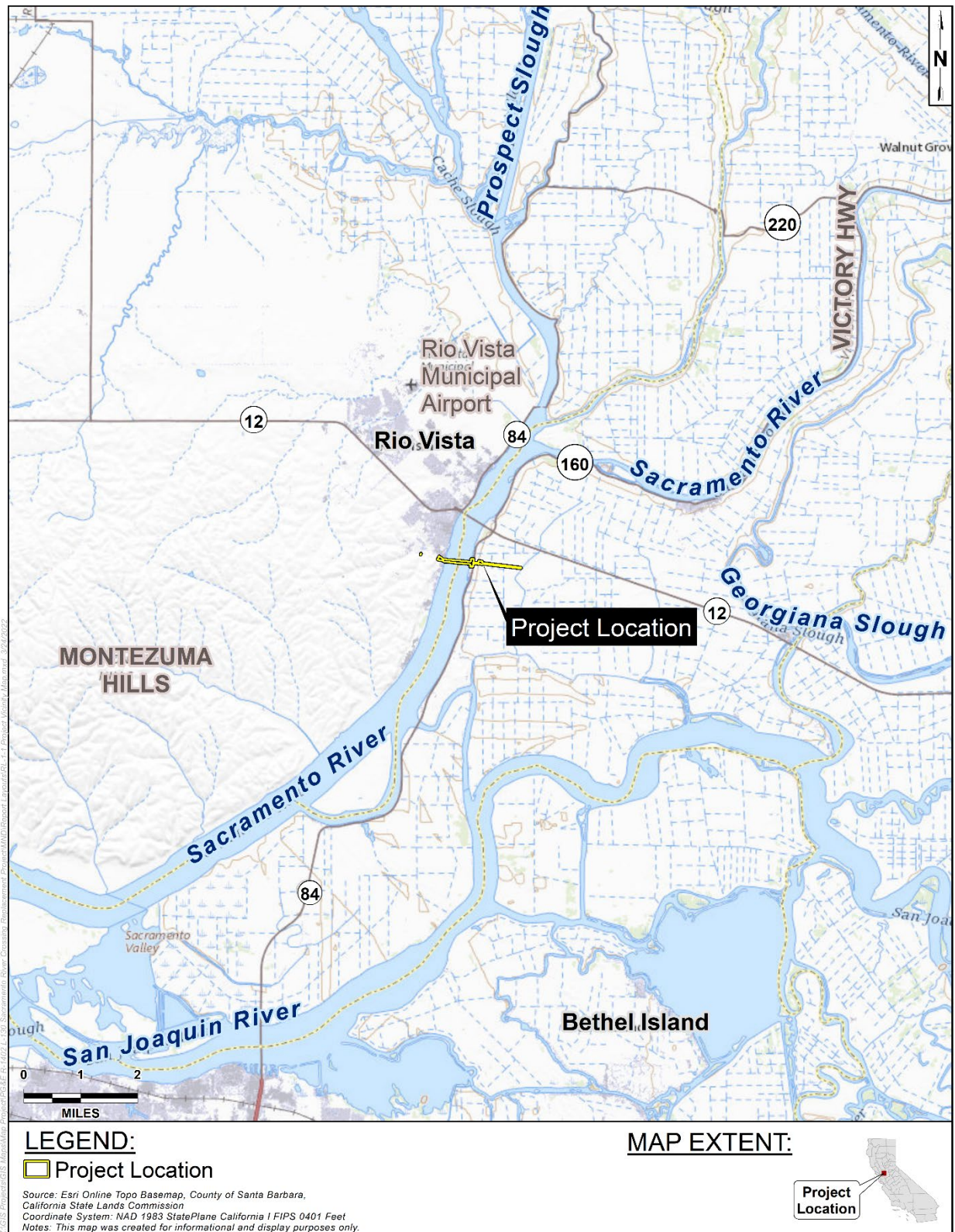


Figure ES-2. Project Overview Map

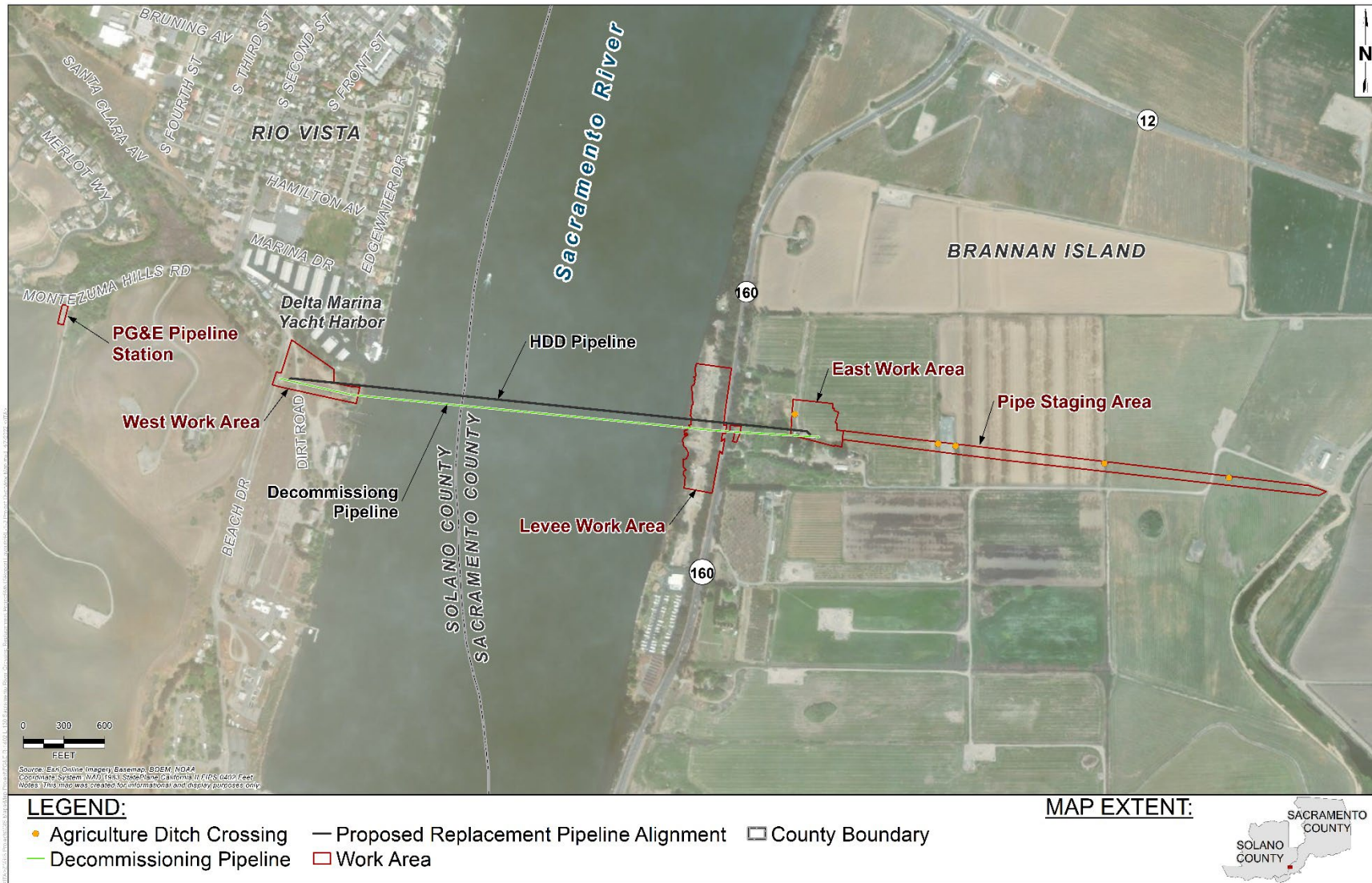


Figure ES-3. HDD Installation and Decommissioning Overview

