Table L-1
Mitigation Monitoring and Reporting Plan for the Proposed Project
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Note: This table addresses the significant or potentially significant impacts of the proposed Upper Guadalupe River flood control project. If no significant impact is expected for a given resource, that resource does not appear in the table.

Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Air Quality				
Fugitive dust emissions due to ground disturbing and earthmoving activities.	The following measures should not conflict with the goals of the biological restoration program: (1) water all active construction areas at least twice daily, (2) cover all trucks hauling soil, sand, and other loose materials or require all trucks to maintain at least two feet of freeboard, (3) apply water three times daily on all unpaved access roads, parking areas, and staging areas at construction sites, (4) sweep daily (preferably with water sweepers) all paved access roads, parking areas, and staging areas at construction sites, (5) sweep streets daily (preferably with water sweepers) if visible soil material is carried onto adjacent public streets, (6) hydroseed or apply soil stabilizers (non-toxic) to inactive construction areas, (7) enclose, cover, water twice daily, or apply soil stabilizers (non-toxic) to exposed stockpiles, (8) limit traffic speeds on unpaved roads to 15 mph, and (9) replant vegetation in disturbed areas as quickly as possible.	Designate personnel to monitor fugitive dust control measures.	Corps	Daily during construction.

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Geologic Resources				
Increased erosion and excessive sedimentation of the Guadalupe River due to project construction activities.	Proper management of exposed or excavated soils including the following: • Immediate removal of excavated soils or use of silt fences where removal is infeasible. • Stabilization of exposed soils using standard erosion control techniques. • Limit major earthwork necessary to the non-rainy season (i.e., May - October).	Construction monitoring ensuring implementation of proper erosion control measures, where applicable.	Corps	Monitoring throughout construction.
Improper design or placement of shoring resulting in lateral movement and settlement of the adjacent ground surface.	Use standard engineering and construction techniques for installation of shoring.	Construction monitoring to assure adequate shoring techniques are employed.	Corps	Monitor throughout construction.
Slope failure due to unstable slopes and/or seismic activity.	Cut slopes shall be reinforced internally to provide stability. Gabions shall be used to protect against erosion at locations with high water flood velocities. Cribwall construction shall be used where cut slopes are nearly vertical.	Review and approve final project grading plans. Inspect construction to ensure consistency with approved final design.	Corps	Finalize plan prior to project permitting. Periodic inspection throughout construction.

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Water Resources				
Construction-related impacts on water quality in the River.	Project construction procedures shall conform wherever possible to EPA's Pollution Prevention/Environmental Impact Reduction Checklist for Flood Control Projects, and comply with Basin Plan standards to protect water quality. The Corps shall consult with the RWQCB to confirm acceptable use of herbicides for maintenance purposes. Other measures that further reduce potential impacts shall be implemented as required by the NPDES permit program.	Review and approve SWPPP. Inspect construction to ensure compliance with approved SWPPP.	SF-RWQCB and Corps	Prior to issuance of NPDES construction permit.

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Biological Resources				
1: Removal of riparian forest. 2: Removal of trees protected by City Ordinance. 3: Disturbance of riparian forest adjacent to construction areas. 4: Excavation or filling of section 404 waters, including wetlands. 5: Impacts on wildlife (7 through 10) are also to be mitigated through vegetation measures	1: Prepare and implement an integrated vegetation mitigation plan. 2: Prepare and implement a public education program 3: Prepare and implement a riparian habitat protection plan.	Establish site-specific performance criteria consistent with those developed for the LPP.	Corps prepares and implements plan, SCVWD monitors and ensures vegetation establishment and maintenance	Finalize plans prior to construction; implement protective measures before and during construction; monitor for a minimum of 5 years to establish success.
6: Potential for reduced fish migration and spawning success.	6: Conserve, restore, and create additional undercut banks; improve conditions for fish passage.	Monitoring as proposed for the Bypass Channel Plan.	Corps prepares and implements plan, SCVWD monitors and ensures fish passage establishment and maintenance	Pre-construction and post-construction assessments, with CDFG and NMFS input; annual monitoring of fish habitat for minimum of 5 years to establish successful mitigation.

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Aesthetics and Recreation				
Visually sensitive views of natural river habitat would be impacted during pipeline construction.	Move all equipment, materials, and transported soils from construction area in the event diversion pipeline construction is interrupted for periods of over 2 weeks. Replant native vegetation within significant public view corridors as soon as possible. Locate staging, heavy equipment storage, and construction material storage areas outside visually sensitive areas. Screen visually sensitive areas. Minimize graded areas and vegetation removal. Reestablish views of vegetation of high visual interest or aesthetic value. Screen visually incongruous elements in visually sensitive areas with vegetation. Include in revegetation plan planting pockets. Incorporate materials with earth tone colors (e.g., shades of brown, tan, and gray), with generally coarse and varied textures in flood control structures and ground stabilization, allowing for establishment of vegetation.	Approval of construction procedures.	Corps	Prior to project construction

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Aesthetics and Recreation				
Under the Bypass Channel Plan, at flows over 1,500 cubic feet per second (cfs), water would flow over the top of the proposed 190-foot long weir drop structure downstream of Willow Glen Way into the bypass channel in Reach 8, creating a waterfall.	Post public warnings to not use watercraft on the river during high flows.	Review and approve final design plans that include location of signs. Inspect construction to ensure consistency with approved final sign design and location.	Corps prepares and implements plan, SCVWD monitors and ensures presence of signs.	Finalize plans prior to construction. Monitor to ensure continued presence of signs during operations.
Recreational access to the river would be limited during construction.	Coordinate development of recreational opportunities with local interests during all phases of project development.	Plan approval	SCVWD, Corps, and City of San Jose	Prior to project construction
Noise				
Residents on streets within 1,000 feet of construction locations may be exposed to noise levels (L_{eq}) over 62 dBA during construction.	Implement Noise Mitigation Plan.	Plan approval	Corps	Prior to construction
Transportation				
Traffic flow on local roads, bridges, mass transit, and pedestrian ways would be adversely impacted by construction traffic and temporary road and bridge closures.	Implement Construction Traffic Management Plan.	Plan approval	Corps	Prior to construction

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Land Use				
Fifty-four (54) homes along McLellan Avenue and 23 homes along Mackey Avenue would be removed under the Bypass Channel Plan; the loss of this many homes would cause a loss of community cohesion.	Neighbors of the project and the affected households shall be notified of the project by mail and by posted notice of the following: the project's importance, its exact location in their vicinity, the location where homes will be removed, detailed street maps showing changes in traffic flow, and the project's expected timetable. Such notification shall include a map of the affected area and shall occur at least 3 months, and preferably 6 months, before construction begins. Notification shall be coupled with community information meetings on the nature and expected results of the project.	SCVWD to monitor that adequate notification is provided to affected residents within the specified timeframe.	Corps	Prior to construction
Fifty-four (54) homes along McLellan Avenue and 23 homes along Mackey Avenue would be removed under the Bypass Channel Plan; the loss of this many homes would cause a loss of community cohesion.	Residents shall be fully compensated for all expenses associated with having to relocate.	Develop written agreement with affected property owners and tenants stating provisions for relocation.	Corps	Prior to construction
Public Services & Utilities				
Construction traffic and temporary road and bridge closures would affect response times of police and fire protection services.	Provide 60-day advance notice to police and fire departments of all road closures and other planned traffic delays.	Written evidence that appropriate notice was delivered.	Corps	Throughout construction period
Water Company well(s) would be destroyed by construction.	Relocate well(s) prior to construction.	Approval of utility agreements and excavation permits.	Corps	Prior to construction

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Significant Impact	*Mitigation Measure*	*Monitoring Action*	*Responsible Party*	*Timing*
Public Services & Utilities				
Various utility lines and other utility facilities would be destroyed by construction.	Relocate utility lines and other utility facilities prior to construction.	Approval of utility agreements and excavation permits.	Corps	Prior to construction
Cultural Resources				
Construction activity could encroach within boundaries of four prehistoric sites, some of which contain human remains.	Prepare Cultural Resources Treatment Plan providing treatment for each identified site including possible avoidance, significance assessment, mitigation, and evaluation and treatment of unexpected resource encountered during construction, and periodic monitoring in areas of greatest archaeological resource potential.	Approval of plan, implementation including periodic monitoring.	Corps	Prior to construction
Bypass Channel Plan would require demolition of residences not eligible for National Register of Historic Places, but with local historical merit.	Offer architectural elements and/or structures to San Jose Historical Museum, the Victorian Preservation Association, or other interested parties.	Evidence of contact with San Jose Historical Museum, the Victorian Preservation Association, or other interested parties.	Corps	Prior to construction
Hazardous Materials				
Contaminant migration from previously unknown hazardous waste sites within or adjacent to the project area.	Development of a Construction Contingency Plan addressing any contaminated soils encountered, protecting workers and the public from contamination exposure, and preventing contamination migration.	Approval of plan, periodic monitoring visits in field.	Corps	Plan review prior to construction, field check during construction

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Cultural Resources				
Construction activity could encroach within boundaries of four prehistoric sites, some of which contain human remains.	Prepare Cultural Resources Treatment Plan providing treatment for each identified site including possible avoidance, significance assessment, mitigation, and evaluation and treatment of unexpected resource encountered during construction, and periodic monitoring in areas of greatest archaeological resource potential.	Approval of plan, implementation including periodic monitoring.	Corps	Prior to construction
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Hazardous Materials				
Contaminant migration from previously unknown hazardous waste sites within or adjacent to the project area.	Development of a Construction Contingency Plan addressing any contaminated soils encountered, protecting workers and the public from contamination exposure, and preventing contamination migration.	Approval of plan, periodic monitoring visits in field.	Corps	Plan review prior to construction, field check during construction

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Hazardous Materials				
Exposure of nearby residents or construction personnel resulting from unearthing contaminated soils or groundwater during construction.	Require part of construction specifications, procedures for the fueling and maintenance of construction vehicles to minimize the potential for accidental release of hazardous materials in sensitive areas.	Approval of construction specifications, periodic monitoring visits in field.	Corps	Specifications review prior to construction, field check during construction
Release of fuel or petroleum lubricants during construction from construction equipment fueling and maintenance operations.	Evaluation of known hazardous waste sites in the area and monitoring of shallow groundwater before, during, and after construction, where necessary.	Periodic monitoring visits in field.	Corps	During construction
Public Safety				
Construction areas, construction traffic, and the reconstructed flood control facility will create potential public safety hazards or attractive nuisances.	Prepare and implement Construction Public Safety Mitigation Plan for short-term impacts and Operational Public Safety Plan for long-term impacts.	Plan implementation.	Corps prepares and implements plans. SCVWD monitors and enforces operational plan.	Prior to construction
Socioeconomics				
Channel Widening Plan construction would result in the removal of four businesses and possible temporary dislocation of residents, Bypass Channel Plan would remove 63 single-family residences and 20 businesses.	Implement the Relocation Assistance and Last Resort Housing Plan	Plan implementation	Corps	Prior to construction