Flood Protection

Flood Protection Capital Improvements

FLOOD PROTECTION OVERVIEW

Of the approximately 800 miles of creeks in Santa Clara County, Valley Water has jurisdiction over and manages approximately 333 miles to meet the Board's Ends Policy E–3, "Natural flood protection is provided to reduce risk and improve health and safety for residents, businesses, and visitors, now and into the future." Valley Water's goals are further defined in E-3.1, "Maintain flood protection facilities to design levels of protection" and E-3.2, "Assist people, businesses, schools, and communities to prepare for, respond to, and recover from flooding through equitable and effective engagement." The 333 miles of creeks are located in five watersheds: Lower Peninsula, West Valley, Guadalupe, Coyote, and Uvas/Llagas. Valley Water administers an asset management program for its flood protection infrastructure. The program includes a schedule for maintenance and rehabilitation to ensure that each facility functions as intended throughout its useful life.

Valley Water's flood protection management has significantly reduced the intensity and frequency of flooding in Santa Clara County. Of the 166,526 parcels in the floodplain, Valley Water projects have protected approximately 100,000 parcels, with plans to protect approximately 25,000 more over the next five years.

The voters in Santa Clara County have supported Valley Water's flood protection efforts by approving benefit assessment funding in 1982, 1986, and 1990. Voters also approved three special parcel taxes. In 2000, voters approved the Clean, Safe Creeks and Natural Flood Protection Plan (Clean, Safe Creeks). The Clean, Safe Creeks Plan was replaced by the Safe, Clean Water and Natural Flood Protection Program, which voters approved in 2012 (2012 Safe, Clean Water). In 2020, voters approved the renewal of the Safe, Clean Water Program, which replaced the 2012 Safe, Clean Water Program in its entirety. Unlike the first two special parcel taxes, which were set to sunset in 15 years from the date of implementation, the renewed Safe, Clean Water Program will continue unless repealed by voters or if the Board determines the funding is no longer needed.

The renewed Safe, Clean Water Program - Fund 26, along with the Watershed and Stream Stewardship (1% ad valorem property tax) - Fund 12, are the two primary funding sources for flood protection projects. Listed by the watershed are the completed and current flood protection capital improvements, moving upstream from the completed downstream work or starting new work on creeks that have not had flood protection work.

LOWER PENINSULA WATERSHED

Major Capital Improvements Completed

- San Francisquito Creek, San Francisco Bay to Highway 101 (Safe, Clean Water)
- Adobe Creek, El Camino to West Edith Avenue
- Matadero Creek, Palo Alto Flood Basin to Barron Creek

Major Capital Improvements Identified in the CIP

- Permanente Creek, San Francisco Bay to Foothill Expressway (2012 Safe, Clean Water)
- Palo Alto Flood Basin Tide Gate Structure Replacement
- San Francisquito Creek, San Francisco Bay to Searsville Dam (Safe, Clean Water)

WEST VALLEY WATERSHED

Major Capital Improvements Completed

- Calabazas Creek, Guadalupe Slough to Wardell Road
- San Tomas Creek, Southern Pacific Railroad to Cabrillo Avenue
- Saratoga Creek, San Tomas Creek to Lawrence Expressway

Major Capital Improvements Identified in the CIP

- Sunnyvale East and West Channels (Safe, Clean Water)

GUADALUPE WATERSHED

Major Capital Improvements Completed

- Guadalupe River–Lower, Alviso Marina to I-880
- Guadalupe River–Downtown, I-880 to I-280

Major Capital Improvements Identified in the CIP

- Guadalupe River–Upper, I-280 to Blossom Hill Road (Safe, Clean Water)
- Guadalupe River, Tasman Drive to I-880
- Lower Guadalupe River Capacity Restoration

Flood Protection Capital Improvements

COYOTE WATERSHED

Major Capital Improvements Completed

- Coyote Creek, San Francisco Bay to Montague Expressway
- Lower Penitencia Creek, Coyote Creek to Tasman Drive
- Lower Silver Creek, Coyote Creek to Cunningham Avenue (Reaches 1-6)
- Cunningham Flood Detention Certification
- Berryessa Creek, Calaveras Boulevard to I-680 (2012 Safe, Clean Water)
- Lower Silver Creek, I-680 to Cunningham Avenue, (Reaches 4-6)

Major Capital Improvements Identified in the CIP

- Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard (Safe, Clean Water)
- Coyote Creek, Montague Expressway to Tully Road (Safe, Clean Water)
- Lower Penitencia Creek Improvements, Berryessa to Coyote Creek
- Upper Penitencia Creek, Coyote Creek to Dorel Drive (Safe, Clean Water)

UVAS/LLAGAS WATERSHED

Major Capital Improvements Completed

- Llagas Creek–Lower, Pajaro River to Buena Vista Avenue
- Uvas Creek

Major Capital Improvements Identified in the CIP

- Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (Safe, Clean Water)

MULTIPLE WATERSHEDS

Major Capital Improvements Identified in the CIP

- San Francisco Bay Shoreline (Safe, Clean Water)
- Watershed Asset Rehabilitation Program (WARP)

Operations and Maintenance Costs

It is understood that new capital projects have an impact on future operations and maintenance, and this is included in the financial analysis. Throughout the various phases of a capital project, projections of this impact are regularly considered and updated as needed to reflect changes in project elements.

CIP DEVELOPMENT PROCESS AND FINANCIAL ANALYSIS

The annual CIP Development Process starts with collecting information on proposed new capital projects in July, followed by the validation of proposed new projects, preliminary scoping, review, and financial analyses to produce a CIP Draft Five-Year Plan in March.

The Board then authorizes the release of the CIP Draft Five-Year Plan to the public and local municipalities for review, conducts a public hearing, and approves the resolution to adopt the CIP Final Five-Year Plan in May.

A financial analysis of the Watershed and Stream Stewardship Fund and Safe, Clean Water Fund, the funding sources for flood protection capital improvements, was conducted to determine if there are limitations to funding all of the projects proposed for the CIP Final FY 2026-30 Five-Year Plan.

Funding required for portions of several CIP projects is contingent on grants and partnership agreements that are under development and not currently secured. As Valley Water works through the process to secure funding, the project schedules may be adjusted. Projects with unsecured funding include:

- San Francisquito Creek, upstream of Highway 101
- San Francisco Bay Shoreline (Unsecured State Subventions)

Further, many of the flood protection projects under the renewed Safe, Clean Water Program include key performance indicators (KPIs) for a preferred project, which requires federal funding, and for a local-funding only version of the project, which can be constructed if federal funding is not received.

In addition to Valley Water funding sources, Valley Water has entered into a flexible, low-cost Water Infrastructure Finance and Innovation Act (WIFIA) master loan agreement with the Environmental Protection Agency (EPA) that commits up to $146 million to provide upfront funding for the Sunnyvale East and West Channels Flood Protection Project, and the Coyote Creek Flood Protection Project, with final payoff of the loan occurring in 2061.

Flood Protection Capital Improvements

Significant Project Updates from the Prior Year

Updates to capital project plans are considered to be significant if total project costs (TPC) increase or decrease by more than $1 million (inflated), project completion is extended beyond one year, or if there are any changes to project scope. Listed below are the changes to projects from the CIP Adopted FY 2025-29 Five-Year Plan:

Capital Improvement Project Updates

- The Permanente Creek, SF Bay to Foothill Expwy Project overall total project cost remains the same. Overall project schedule extended by one year to complete the remaining close-out tasks, including the Rancho San Antonio archeological report approval by USACE/SHPO.
- The San Francisquito Creek, San Francisco Bay to Searsville Dam (E5) Project increased in cost by $7.74 million due to the reallocation of expenditures for labor and updated services and supplies costs to more accurately reflect the delay to the design phase caused by the recalibration of the hydraulic model for the project.
- The Sunnyvale East and West Channels (E2) Project increased in cost by $32.65 million. On April 9, 2024, the Valley Water Board held a formal hearing, approving changes to the SCW Program, including the decision to "Not Implement" Project A1: Pacheco Reservoir Expansion under the SCW Program. Among the reasons for not implementing the Pacheco Project was to facilitate the construction of both phases of the Sunnyvale East and West Channels project. Previously, construction of Phase 1 (West Channel) was to move forward, while the construction of Phase 2 (East Channel) was delayed due to a funding shortfall. Constructing both phases without delaying Phase 2 would allow Valley Water to complete the entire project, thus providing 1% flood protection and helping the community to be removed from the FEMA flood zone, pending a Letter of Map revision. Bundling Phase 1 and 2 construction would also result in potential cost savings, such as saving on leasing costs by utilizing the same large construction staging area for a shorter time and avoiding anticipated future construction cost escalations. As part of the Board's decision, staff developed new project estimates, reflecting the cost of constructing both phases. The project schedule has been delayed due to ongoing discussions with the various Resource Agencies to acquire the required regulatory permits. Also, the schedule update reflects the addition of Sunnyvale East (Phase 2), whereas the current project schedule only included the construction schedule for the Sunnyvale West channel. The additional costs reflect the expenditures necessary to construct the East and West channels per Board direction.
- The Lower Guadalupe River Capacity Restoration Project increased in cost by $3.43 million due to the extension of the schedule by three years to account for the plant establishment period.
- The Guadalupe River-Upper, SPRR to Blossom Hill Road (Reaches 7-12) (E8) Project decreased in cost by $39.30 million and the overall project schedule has been extended by two years. The Valley Water schedule is updated to match the updated schedule from USACE. Planned expenditures increased in FY25 due to an unforeseen need - the demolition of Valley Water-owned property. However, the overall project budget was reduced at the August 13, 2024, Board meeting when the Board approved reducing the budget and reallocating the dollars to the Safe, Clean Water Program's Operating and Capital Reserves to balance Fund 26. The Board's decision was based on the latest USACE estimates and staff analysis, which showed that most of the estimated Valley Water cost share for the project would be made through real estate acquisitions. Valley Water has already acquired 95% of the properties that will be required, and the remaining required are smaller fee title/easements. Because Valley Water has already acquired most of the USACE-identified properties, staff estimated that the reduced budget allocation would be sufficient for Valley Water to cover any remaining cost share required.
- The Upper Berryessa Creek-USACE Coordination Project increased in cost by $877 thousand due to the schedule extending by six years to include the five-year plant maintenance and monitoring and Project closeout.
- The Coyote Creek, Montague Expressway to Tully Road (E1) Project schedule is extended by one year due to the facilitation of acquisition of land rights and continued efforts to secure a grant with FEMA. The project increased in cost by $23.45 million due to additional flood protection elements, unforeseen permitting requirements required by Regulatory Agencies, resulting in increases for mitigation credits, in lieu fees, and additional analysis to address regulatory requirements, design changes, utility relocation efforts, acquisition of land rights and additional land area needed, and unaccounted costs for hydraulic lift infrastructure (power & controls) for passive barriers in the parks.

Flood Protection Capital Improvements

- The Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4) Project increased in cost by $2.09 million and the overall schedule is being extended by five years to address staffing shortages. The project is scheduled to resume in FY30 and be completed in FY33. Currently there is no construction funding for this project following the 2023 Board decision to modify the project's funding allocation to remove construction-related planned allocations.
- The Llagas Creek-Upper, Corps Coordination Project (E6) schedule is extended by a year to accommodate project regulatory permit monitoring in the close-out phase. Project No. 26174052 was initially established to encompass all phases of construction: Phases 1, 2A, and 2B. However, to meet federal grant funding requirements from the NRCS and simplify the audit process, a separate project number - No. 26174055, was created specifically to track expenses for Phase 2B construction. Phase 2A construction was completed in October 2024, with the Notice of Completion scheduled for consideration by the Board of Directors on January 28, 2025. With Phase 2A construction now complete, the remaining funds are being reallocated to Project No. 26174055 to support Phase 2B construction. The project decreased in cost by $7.97 million.
- The Llagas Creek, Upper, Design (E6) Project decreased in cost by $3.31 million and the overall schedule has been extended by one year. The schedule was adjusted to match the current Llagas Creek, Phase 2B construction completion. The project closeout is anticipated at the end of FY27. Staff analysis of the planned expenditures has resulted in a reduction of anticipated funds required to close out this Project.
- The Llagas Creek, Upper, Phase 2B Construction (E6) Project increased in cost by $64.47 million and the overall schedule has been extended by four years. The project schedule is being updated to reflect a delay due to the NRCS Grant being approved in July and a delay in completing the project plans and specifications, which caused the project to miss a construction season. The civil construction started in August 2024 (FY25) and is anticipated to be completed in March 2027. In addition, there will be a three-year plant establishment period extending to March 2030. Prior year expenditures in FY24 are related to plan and specs review. Project planned expenditures have been adjusted to reflect updated construction cost, plant establishment, and close-out.
- The SF Bay Shoreline (E7) Project increased in cost by $87.40 million. The United States Army Corps of Engineers (USACE) is the project administrator for planning, design, and construction of the project. Valley Water will be providing the cost share for the project, in addition to management of the Reach 4-5 pre-construction activities. The project includes design and construction of the Reaches 4-5 flood risk management levees based on various assumptions. The UPRR closure structure and bridge design and construction costs are not included. Also not included are ecotone design and construction cost, pond breaching, and monitoring and adaptive management plan. The project schedule has been extended to account for: 1) USACE to complete Value Engineering efforts, gather additional field data, and conduct hydraulic analysis required, 2) Completion of environmental and right-of-way phases to support the design and future construction activities, 3) Completion of construction of Reaches 4-5 levees. The project planned expenditures have increased due to the inclusion of the Reach 4-5 levee construction. USACE will be providing an updated total project cost estimate for all project elements at the end of March 2025.
- The SF Bay Shoreline, EIAs 1-4 (E7) Project decreased in cost by $22.98 million due to the removal of the Design and Construction planned expenditures. USACE is the project lead for the San Francisco Bay Shoreline Protection Project, Environmental Impact Areas 1-4 (Phase II). USACE concluded the study in April 2024, determining that the damages from coastal flooding are not great enough to justify the cost of a levee until sea level rise is greater in several decades. Consequently, USACE is closing the project due to a lack of federal interest. Without federal participation, Valley Water cannot implement planning, design, and construction independently due to limited funding. Therefore, on February 11, 2025, the Board modified the project to remove EIAs 1-4 design and construction as a Project E7 key performance indicator (KPI) in the first 15-year funding cycle (FY2022 - 2036) of the renewed Safe, Clean Water Program. Consequently, the project scope, schedule and expenditures are updated to remove the Design and Construction phases. The Planning Phase will remain open in FY25 and FY26 for close-out tasks. The overall Project schedule has been reduced by seven years.
- The SF Bay Shoreline, EIAs 5-9 (E7) Project decreased in cost by $189 thousand due to the adjustment of planned expenditures to account for the latest USACE cost estimate. The overall Project schedule has been extended by two years.

Flood Protection Capital Improvements

- The Watersheds Asset Rehabilitation Program (WARP) Project increased in cost by $4.17 million. Since this project was reprogrammed as a Small Capital project in FY25, and Small Capital projects do not process Change Management Memos (CMMs), a CMM was not processed at the time the project plan was updated. This is because Small Capital project forecasts are revised yearly with asset rehabilitation projects added, removed, and rescheduled based on asset condition and project need. As referenced above, as part of last year's CIP Development Cycle for the CIP FY 2025-29 Five-Year Plan staff recommended that WARP be categorized as a Small Capital Improvement Project, as it was originally introduced into the CIP as a Small Capital project. Upon further analysis, WARP is more similar to the proposed Pipeline Maintenance Program (PMP), which is being recommended for inclusion in the CIP as an ongoing program that will allow for the identification and planning for small-to-medium-scale pipeline rehabilitation projects. Staff is proposing a recategorization and name change for WARP to remove the "Small Capital" reference for the CIP FY 2026-30 Five-Year Plan.

The Safe, Clean Water Program

The renewed Safe, Clean Water Program, approved by voters in 2020, began in FY 2021-22 and includes the following flood protection projects:

- San Francisquito Creek, San Francisco Bay to Middlefield Road (E5)
- Sunnyvale East and West Channels (E2)
- Upper Guadalupe River, I-280 to Blossom Hill Road (E8)
- Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3 - Planning and Design (E3)
- Coyote Creek, Montague Expressway to Tully Road (E1)
- Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4)
- Llagas Creek-Upper, Buena Vista Avenue to Llagas Road (E6)
- San Francisco Bay Shoreline - EIAs 1-4 and Planning and Design for EIAs 5-9 (E7)
- San Francisco Bay Shoreline - EIA 11, Design & Partial Construction (E7)

With the exception of the Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard Phase 3, each of these projects was also included in the 2012 Safe, Clean Water Program.

Additionally, the following projects are considered complete under the 2012 Safe, Clean Water Program, as the key performance indicators (KPIs) had been delivered, but are still included in the CIP, as it is in the close-out phase:

- Permanente Creek, San Francisco Bay to Foothill Expressway (2012 Safe, Clean Water)
- Berryessa Creek, Calaveras Boulevard to I-680 (2012 Safe, Clean Water)

For more information about the Safe, Clean Water Program visit www.valleywater.org. Please see Appendix C for the implementation schedule for the Renewed Program.

Flood Protection Capital Improvements

The following table is a project funding schedule for flood protection capital improvements resulting from this year's financial analysis. Detailed information for each project can be found in this document on the following pages in the order presented in this table. The chart also identifies partially funded projects and estimated unspent appropriation from FY 2024-25.

Flood Protection Funding Schedule ($K)

Project Number	PROJECT NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
	LOWER PENINSULA WATERSHED										
10394001	Palo Alto Flood Basin Tide Gate Structure Replacement	7,537	650	-	3,047	49	-	-	-	-	11,282
10244001s	Permanente Creek, SF Bay to Foothill Expressway	115,245	21	-	-	-	-	-	-	-	115,266
10284007s	San Francisquito Creek, SF Bay thru Searsville Dam (E5)	80,695	22,782	36,897	-	-	-	18,154	-	-	121,631
	WEST VALLEY WATERSHED										
26074002	Sunnyvale East and West Channels (E2)	38,402	9,362	13,919	-	19,289	21,856	1,527	-	-	90,436
	GUADALUPE WATERSHED										
30154019	Lower Guadalupe River Capacity Restoration Project	6,954	3,121	-	3,135	3,276	30,862	30,862	30,803	1,394	110,407
26154001s	Guadalupe River–Upper, I-280 to Blossom Hill Road (E8)	135,234	-	19,964	-	-	185	1,829	667	-	137,915
	COYOTE WATERSHED										
26174041s	Berryessa Creek, Calaveras Boulevard to Interstate 680	54,410	-	10,968	-	-	-	-	265	616	55,291
40174004s	Berryessa Ck, Lower Penitencia Ck to Calaveras Blvd	138,058	448	1,564	73	-	-	-	-	77,224	215,803
26174043	Coyote Creek, Montague Expressway to Tully Road (E1)	29,334	16,065	4,125	21,686	71,278	69,988	34,783	599	845	244,578
40334005	Lower Penitencia Ck Improvements, Coyote Ck to Berryessa Ck	35,394	-	34	101	21	-	-	-	-	35,516
40324003s	Upper Penitencia Creek, Coyote Creek to Dorel Drive	23,029	-	7,303	-	-	-	-	-	2,932	25,960
	UVAS/LLAGAS WATERSHED										
26174051s	Llagas Creek–Upper, Buena Vista Avenue to Llagas Road (E6)	272,205	58,636	36,598	26,589	48,682	112	112	237	-	406,573
	MULTIPLE WATERSHEDS										
00044026s	San Francisco Bay Shoreline (E7)	132,919	2,143	6,188	6,174	8,185	93,080	3,124	2,243	1,901	249,768
62084001	Watersheds Asset Rehabilitation Program (WARP)	63,173	19,679	-	16,560	8,941	9,443	9,939	10,424	170,420	308,579
	TOTAL	1,132,589	132,907	137,560	77,364	159,720	225,526	100,331	45,238	255,330	2,129,006

**FY 2025 Adjusted Budget includes adopted budget plus budget adjustments*

FY 2024-25 Funds to be reappropriated

Flood Protection - Funding Sources ($K)

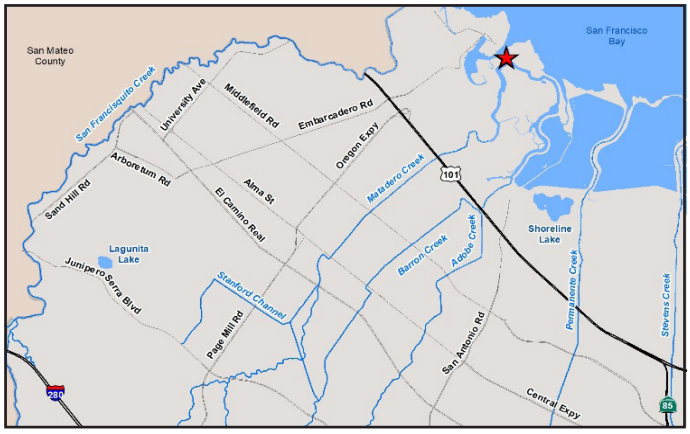
Fund Number	FUND NAME	Through FY24	FY25*	FY25 Unspent	FY26	FY27	FY28	FY29	FY30	FY31-40	TOTAL
12	Watershed Stream Stewardship Fund	391,052	23,972	1,598	27,685	17,349	130,446	41,767	42,336	242,543	917,149
26	Safe, Clean Water and Natural Flood Protection Fund	741,537	108,936	135,962	49,679	142,372	95,080	58,564	2,902	12,788	1,211,858
	TOTAL	1,132,589	132,907	137,560	77,364	159,720	225,526	100,331	45,238	255,330	2,129,006

FY 2024-25 Funds to be reappropriated

Lower Peninsula Watershed

PROJECT	Palo Alto Flood Basin Tide Gate Structure Replacement		
PROGRAM	Flood Protection - Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	10394001		byerrapotu@valleywater.org

View from west side of Palo Alto tide gates facing east



Location Map

★ Project Location

PROJECT DESCRIPTION

This project plans and designs a rehabilitation and retrofit in the short-term and a replacement tide gate structure in the long-term for the Palo Alto Flood Basin to accomplish the following objectives:

- Retrofit the existing tide gate structure to reduce seismic vulnerabilities
- Rehabilitate the existing tide gate structure to extend the service life of the structure
- Work with United States Army Corps of Engineers for a long-term replacement tide gate structure as part of the San Francisco Bay Shoreline Project

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30-50 Years

SCHEDULE & STATUS

November 2018 to September 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	1,156											
Permits	1,783											
Design	4,684											
Construct	3,514											
Closeout	95											
	11,278	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10394001-Palo Alto Flood Basin Tide Gate Structure Replacement	7,382	804	3,047	45	0	0	0	0	11,278
with inflation	7,382	804	3,047	49	0	0	0	0	11,282
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10394001-Palo Alto Flood Basin Tide Gate Structure Replacement	7,537	650	0	3,047	49	0	0	0	0	11,282
Adjusted Budget includes adopted budget plus approved budget adjustments.										

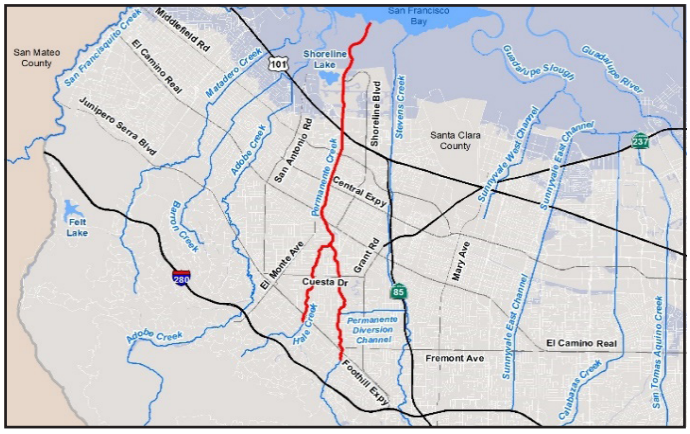
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	11,282
Other Funding Sources	0
Total	**11,282**

PROJECT	Permanente Creek, San Francisco Bay to Foothill Expressway		
PROGRAM	Flood Protection – Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	10244001s		byerrapotu@valleywater.org

McKelvey Ball Park and Detention Basin upon completion in February 2020



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along 10.6 miles of Permanente Creek, from San Francisco Bay to Foothill Expressway, and Hale Creek from Foothill Expressway to its confluence with Permanente Creek, to accomplish the following objectives:

- Provide flood protection to 1,664 parcels, including Middlefield Road and Central Expressway
- Reduce erosion and sedimentation, reduce maintenance costs, and improve safety and stability of the failing channel on Permanente Creek from the San Francisco Bay to Foothill Expressway
- Provide environmental restoration and enhancement benefits
- Provide recreation enhancements

This project is anticipated to be completed and closed by June 30, 2025.

This project meets the commitments of the voter-approved 2012 Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

July 2001 to June 2025

Construction includes multiple contract phases and three years of plant establishment monitoring.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	10,051											
Permits	3,970											
Design	18,562											
Construct	82,048											
Closeout	635											
	115,266	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10244001-Permanente Ck, S.F. Bay to Foothill Expwy – Lower Peninsula Fund	19,713	635	0	0	0	0	0	0	20,348
with inflation	19,713	635	0	0	0	0	0	0	20,348
26244001-Permanente Ck, S.F. Bay to Foothill Expwy	94,876	42	0	0	0	0	0	0	94,918
with inflation	94,876	42	0	0	0	0	0	0	94,918
TOTAL	**114,589**	**677**	**0**	**0**	**0**	**0**	**0**	**0**	**115,266**
with inflation	**114,589**	**677**	**0**	**0**	**0**	**0**	**0**	**0**	**115,266**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10244001-Permanente Ck, S.F. Bay to Foothill Expwy – Lower Peninsula Fund	20,327	21	0	0	0	0	0	0	0	20,348
26244001-Permanente Ck, S.F. Bay to Foothill Expwy	94,918	0	0	0	0	0	0	0	0	94,918
TOTAL	**115,245**	**21**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**115,266**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	20,348
SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	93,895
City of Mountain View	1,023
Total	**115,266**

PROJECT	San Francisquito Creek, San Francisco Bay to Searsville Dam (E5)		
PROGRAM	Flood Protection – Lower Peninsula Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	10284007s		byerrapotu@valleywater.org

Upstream face of Pope/Chaucer Street with water surface approximately two feet below the soffit

Location Map

PROJECT DESCRIPTION

This project provides coordination and support to the San Francisquito Joint Powers Authority, in partnership with the U.S. Army Corps of Engineers (USACE), to complete planning and design documents for an approved project alternative on San Francisquito Creek, from San Francisco Bay through Searsville Dam.

This project will accomplish the following objectives:

- Provide flood protection
- Reduce bank erosion and sedimentation-related impacts along San Francisquito Creek
- Avoid potential adverse impacts on fish and wildlife habitats
- Minimize impacts to the creek's environmental resources and restore the riparian corridor where feasible

The San Francisquito Flood Protection project will provide 100-year flood protection from San Francisco Bay to Highway 101 and provide 70-year flood protection upstream of Highway 101.

This project is accounted for in the following:

- 10284007 – S.F. Bay thru Searsville Dam – Completed
- 10284008 – Early Implementation – Completed
- 26284001 – S.F. Bay thru Searsville Dam (E5) – Closed
- 26284002 – S.F. Bay thru Searsville Dam (E5)

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E5. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

June 2003 to June 2029

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	4,637											
Permits	2,069											
Design	24,158											
Construct	80,542											
Closeout	38											
	112,831	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10284007-San Francisquito Creek- San Francisco Bay to Searsville Dam	4,064	0	0	0	0	0	0	0	4,064
with inflation	4,064	0	0	0	0	0	0	0	4,064
10284008-San Francisquito Ck, Early Implementation	1,614	0	0	0	0	0	0	0	1,614
with inflation	1,614	0	0	0	0	0	0	0	1,614
26284001-San Francisquito Ck, S.F. Bay thru Searsville Dam (E5)	6,411	0	0	0	0	0	0	0	6,411
with inflation	6,411	0	0	0	0	0	0	0	6,411
26284002-San Francisquito Creek - San Francisco Bay thru Searsville Dam (E5)	53,034	1,457	1,716	1,634	8,575	34,327	0	0	100,742
with inflation	53,034	1,457	1,716	1,792	10,008	41,535	0	0	109,542
TOTAL	**65,123**	**1,457**	**1,716**	**1,634**	**8,575**	**34,327**	**0**	**0**	**112,831**
with inflation	**65,123**	**1,457**	**1,716**	**1,792**	**10,008**	**41,535**	**0**	**0**	**121,631**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
10284007-San Francisquito Creek- San Francisco Bay to Searsville Dam	4,064	0	0	0	0	0	0	0	0	4,064
10284008-San Francisquito Ck, Early Implementation	1,614	0	0	0	0	0	0	0	0	1,614
26284001-San Francisquito Ck, S.F. Bay thru Searsville Dam (E5)	6,411	0	0	0	0	0	0	0	0	6,411
26284002-San Francisquito Creek - San Francisco Bay thru Searsville Dam (E5)	68,606	22,782	36,897	0	0	0	18,154	0	0	109,542
TOTAL	**80,695**	**22,782**	**36,897**	**0**	**0**	**0**	**18,154**	**0**	**0**	**121,631**

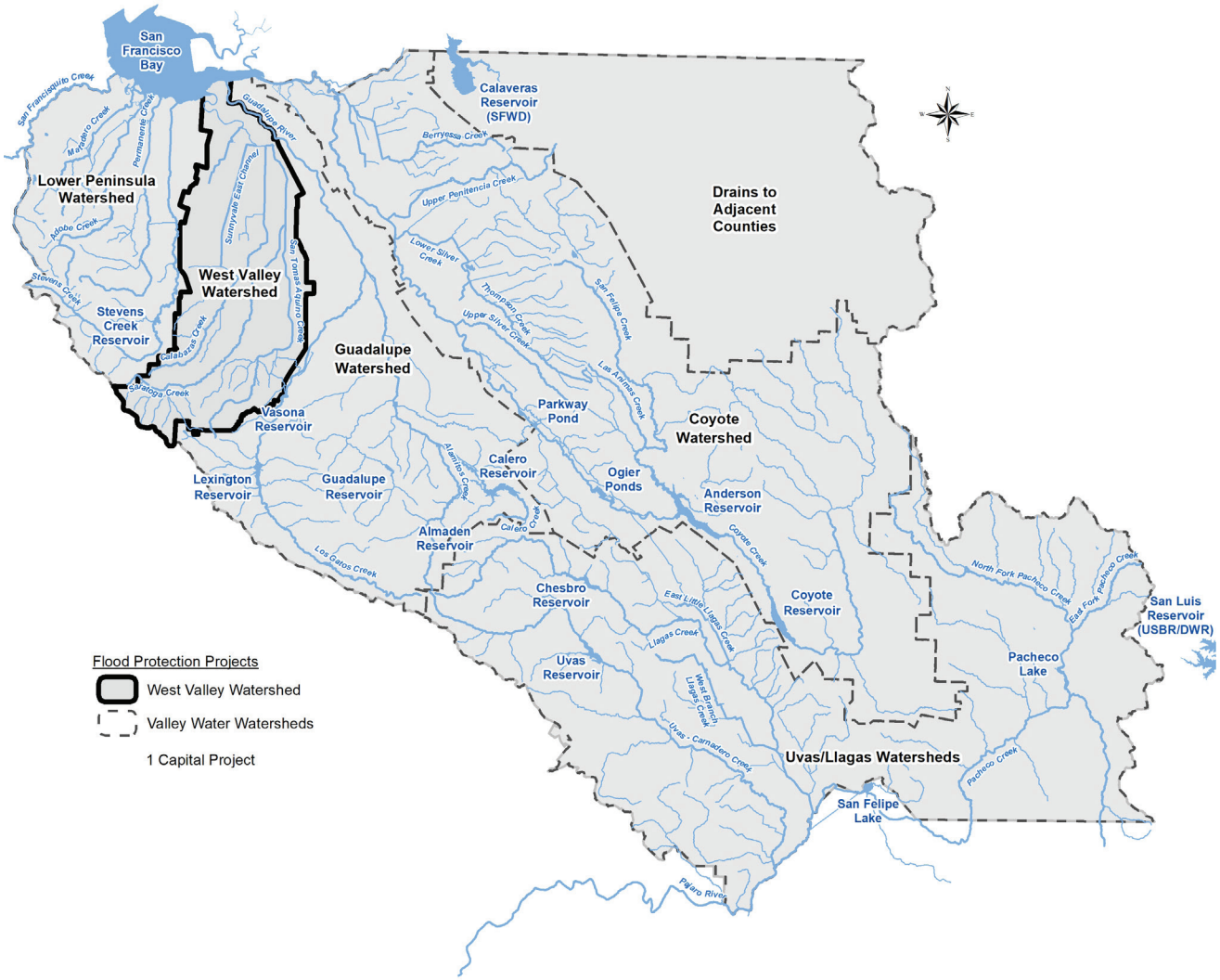
Adjusted Budget includes adopted budget plus approved budget adjustments.

FUNDING SOURCES

(in thousands $)

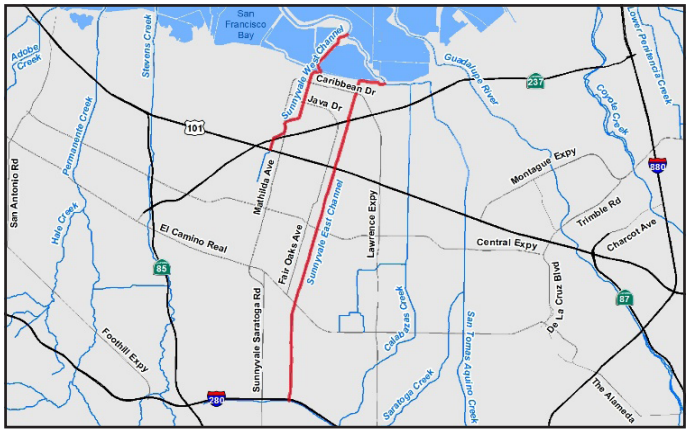
SCVWD Watershed Stream Stewardship Fund	5,678
SCVWD Safe, Clean Water and Natural Flood Protection Fund	75,840
JPA and Member Agencies (D/S Funding)	5,558
Unsecured Grants and Partnerships (U/S Funding)	34,555
Total	**121,631**
San Francisquito Joint Powers Authority	11,040
County of San Mateo - In-kind Services	1,500
County and USACE participation are for Feasibility Study activities only. Additional funding will be negotiated during subsequent phases.	

West Valley Watershed



PROJECT	Sunnyvale East and West Channels Flood Protection Project (E2)		
PROGRAM	Flood Protection – West Valley Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26074002		byerrapotu@valleywater.org

Sunnyvale West Channel looking south at Carl Road



Location Map

PROJECT DESCRIPTION

The West Channel extends approximately three miles and upgrades existing channel capacity to provide 1% (or 100-year) flood protection for 47 acres of highly valuable industrial lands. The East Channel extends approximately 6.4 miles and upgrades existing channel capacity to provide 1% flood protection for 1,618 parcels. The project is being constructed in two phases. Sunnyvale East and West Channel will decrease channel turbidity and sediment by repairing erosion sites, thereby improving water quality.

The project will accomplish the following objectives:

- Provide 1% flood capacity for approximately 6.4 miles of channel along Sunnyvale East and approximately three miles of channel along Sunnyvale West within the City of Sunnyvale, protecting 1,618 properties (Sunnyvale East) and 47 acres (11 properties) of industrial land (Sunnyvale West)
- Improve channel water quality by providing erosion control measures to decrease sediment and turbidity
- Identify opportunities to integrate recreation improvements with the City of Sunnyvale and others, as appropriate

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E2. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

March 2006 to June 2029

*Construction schedule reflects Phase 1 construction activities (West Channel)

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,776											
Permits	2,066											
Design	24,675											
Construct	55,301											
Closeout	200											
	88,134	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26074002-Sunnyvale East and West Channels Flood Protection Project (E2)	28,148	5,697	11,388	20,750	20,750	1,400	0	0	88,134
with inflation	28,148	5,697	11,388	21,819	21,856	1,527	0	0	90,436
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26074002-Sunnyvale East and West Channels Flood Protection Project (E2)	38,402	9,363	13,919	0	19,289	21,856	1,527	0	0	90,436
Adjusted Budget includes adopted budget plus approved budget adjustments.										

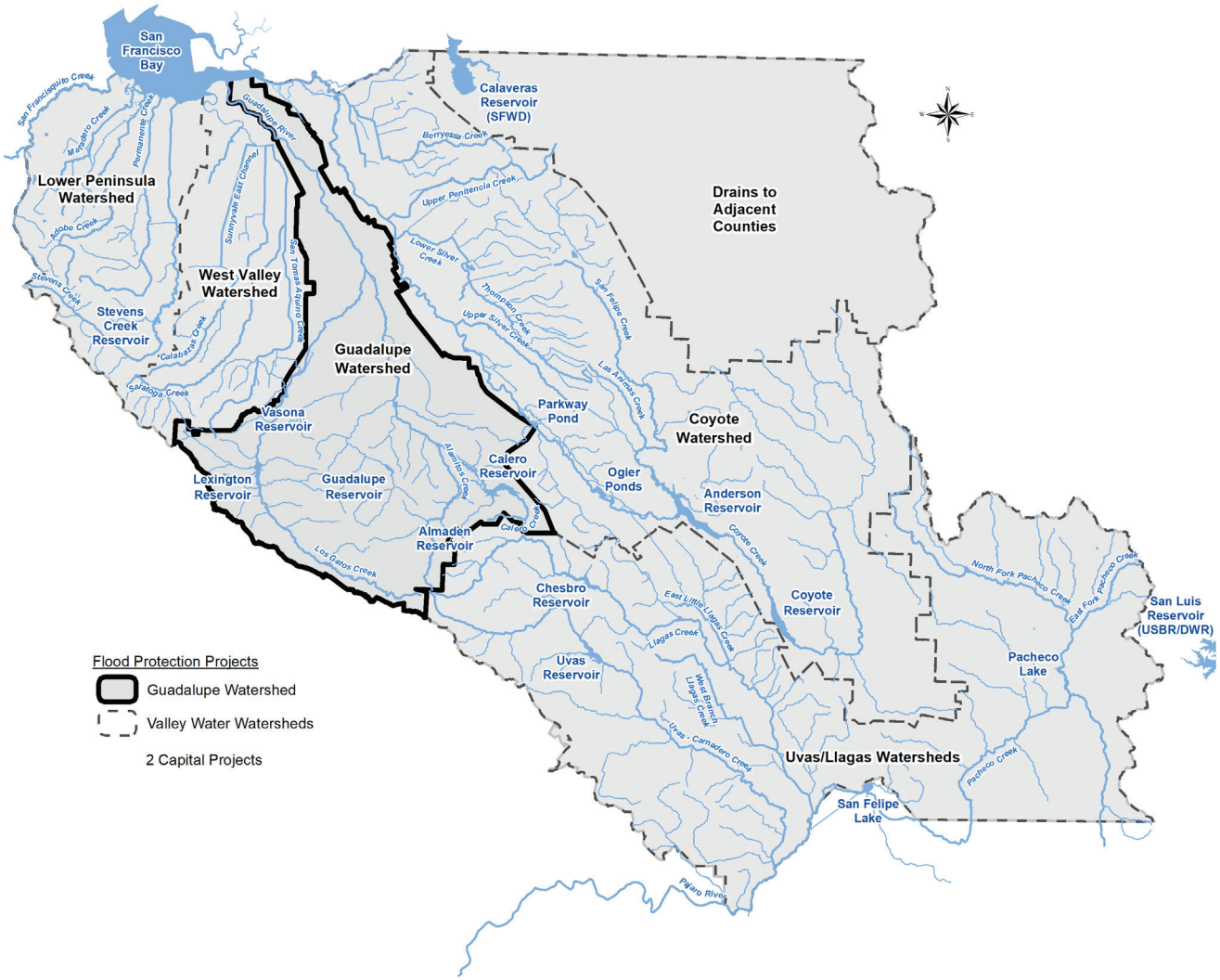
FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	90,436
Other Funding Source	0
Total	**90,436**

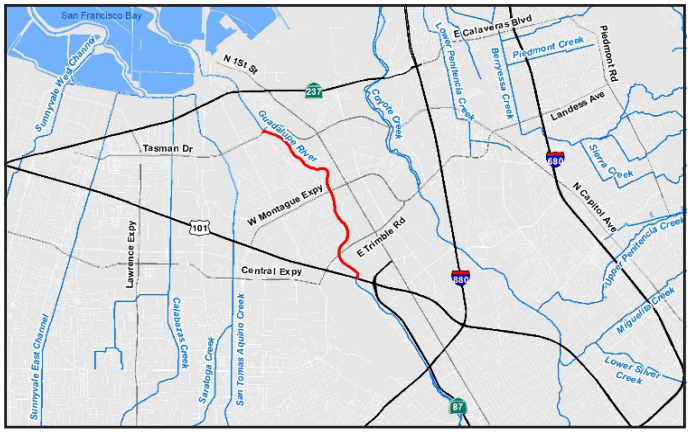
Valley Water estimates total WIFIA debt service payment for the eligible SCW projects would be $146.7 million in principal, plus $227.3 million in interest, for a total of $374 million with final payoff of the loan occurring in 2061.

Guadalupe Watershed



PROJECT	Lower Guadalupe River Capacity Restoration Project		
PROGRAM	Flood Protection – Guadalupe Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	30154019		byerrapotu@valleywater.org

East bank of the Guadalupe River, looking upstream toward Trimble Road



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along the Guadalupe River from Tasman Drive to Highway 101 to restore the 100-year flood conveyance capacity.

The project will accomplish the following objective:

- Restore designed level of service along a portion of the Guadalupe River to provide 1% flood protection

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 100 Years

SCHEDULE & STATUS

March 2019 to December 2034

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,589											
Design	10,145											
Construct	79,923											
Closeout	50											
	96,183	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
30154019-Lower Guadalupe River Capacity Restoration Project	4,816	5,260	3,135	3,000	26,283	26,283	26,233	1,174	96,183
with inflation	4,816	5,260	3,135	3,276	30,862	30,862	30,803	1,394	110,407
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
30154019-Lower Guadalupe River Capacity Restoration Project	6,954	3,121	0	3,135	3,276	30,862	30,862	30,803	1,394	110,407
Adjusted Budget includes adopted budget plus approved budget adjustments.										

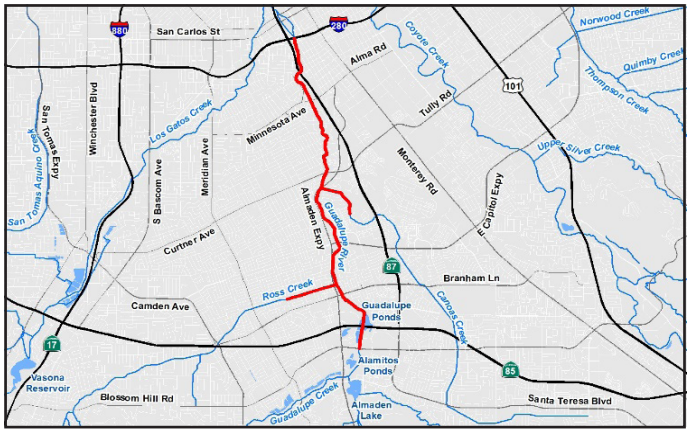
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	110,407
Other Funding Sources	0
Total	**110,407**

PROJECT	Guadalupe River-Upper, Interstate 280 to Blossom Hill Road (E8)		
PROGRAM	Flood Protection - Guadalupe Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26154001s		byerrapotu@valleywater.org

Flooding from Guadalupe River on Willow Street near the Southern Pacific Railroad Bridge



Location Map

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (USACE) to plan, design, and construct improvements along approximately 6 miles of the Guadalupe River, from Interstate 280 to Blossom Hill Road, to accomplish the following objectives:

- Provide 1% flood protection to nearly 7,000 parcels along the Guadalupe River, from Interstate 280 to Blossom Hill Road, including portions of Ross Creek and Canoas Creek
- Provide long-term net gains of 15 acres in riparian forest acreage, quality and continuity of wildlife habitat, and to provide conditions favoring Chinook salmon and steelhead trout
- Provide access to an additional 19 miles of suitable upstream spawning and rearing habitat, which would result in significant long-term beneficial impacts on fisheries resources
- Coordinate with the City of San José and the community to establish a continuous maintenance road suitable for trail development between Interstate 280 and Los Alamitos Creek
- Improve water quality by reducing bank erosion and sedimentation-related impacts along the river and tributaries
- Address and resolve permit coordination activities and watershed integration issues through the Guadalupe Watershed Integration Working Group

This project is accounted for in the following:

- 26154001 – Fish Passage Modification – Completed
- 26154002 – I-280 to Southern Pacific Railroad Bridge, Reach 6 – Completed
- 26154003 – Southern Pacific Railroad Bridge to Blossom Hill Road, Reaches 7-12: The USACE is conducting a General Reevaluation Report, which is expected to be completed in fiscal year 2025

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E8. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

September 1985 to June 2033

Planning phase is complete. Design and construction of eight individual reaches are being done sequentially.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	9,133											
Permits	3,429											
Design	88,204											
Construct	28,114											
Closeout	232											
	133,062	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26154001-Guadalupe Rv—Upr, Fish Passage Mods (E8)	2,651	0	0	0	0	0	0	0	2,651
with inflation	2,651	0	0	0	0	0	0	0	2,651
26154002-Guadalupe Rv—Upr, I-280 to SPRR -Reach 6 (E8)	34,803	244	31	160	200	1,480	535	0	37,454
with inflation	34,803	244	31	175	229	1,829	667	0	37,978
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. - Reaches 7-12 (E8)	69,460	225	10,888	2,883	1,198	83	83	249	85,070
with inflation	69,460	225	10,888	3,148	1,367	99	103	340	85,631
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	7,887
with inflation	7,887	0	0	0	0	0	0	0	7,887
TOTAL	**114,801**	**469**	**10,919**	**3,043**	**1,398**	**1,563**	**618**	**249**	**133,062**
with inflation	**114,801**	**469**	**10,919**	**3,323**	**1,596**	**1,928**	**771**	**340**	**134,147**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26154001-Guadalupe Rv—Upr, Fish Passage Mods (E8)	2,651	0	0	0	0	0	0	0	0	2,651
26154002-Guadalupe Rv—Upr, I-280 to SPRR -Reach 6 (E8)	35,297	0	250	0	0	185	1,829	667	0	37,978
26154003-Guadalupe Rv—Upper, SPRR to Blossom Hill Rd. - Reaches 7-12 (E8)	89,399	0	19,714	0	0	0	0	0	0	89,399
Actuals in closed project numbers	7,887	0	0	0	0	0	0	0	0	7,887
TOTAL	**135,234**	**0**	**19,964**	**0**	**0**	**185**	**1,829**	**667**	**0**	**137,915**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $3.768 million. Excess funds will be returned to Fund Reserves at the close of the project.

FUNDING SOURCES

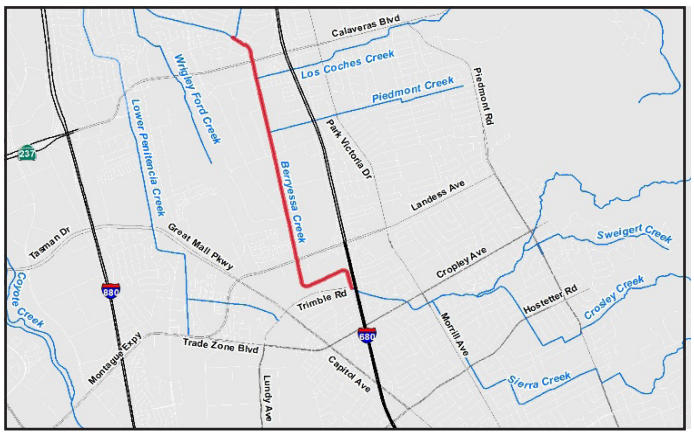
(in thousands $)

SCVWD Watershed Stream Stewardship Fund	12,000
SCVWD Safe, Clean Water and Natural Flood Protection Fund	89,894
State of California	31,430
City of San José	4,591
Total	**137,915**

Coyote Watershed

PROJECT	Berryessa Creek, Calaveras Boulevard to Interstate 680		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26174041s		byerrapotu@valleywater.org

Upper Berryessa Creek looking downstream from Yosemite Drive in the City of Milpitas



Location Map

PROJECT DESCRIPTION

This project partners with the U.S. Army Corps of Engineers (USACE) to plan, design, and construct improvements along approximately two miles of Berryessa Creek, from Calaveras Boulevard to Interstate 680, to accomplish the following objectives:

- Provide 1% flood protection to more than 1,100 homes, businesses, and public buildings
- Reduce sedimentation and maintenance requirements
- Mitigate for project impacts
- Improve stream habitat values
- Coordinate with the cities of San José and Milpitas, and the community to establish a continuous maintenance road suitable for trail development along the Berryessa Creek project
- Obtain a Letter of Map Revision from the Federal Emergency Management Agency

This project is accounted for in the following:

- 26174041 – USACE Coordination
- 26174042 – Lands, Easements, Rights-of-Way, Relocations and Disposal (Reimbursable)

This project meets the commitments of the voter-approved 2012 Safe, Clean Water Program (SCW). For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

January 2000 to June 2031

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	8,327											
Permits	1,886											
Design	19,333											
Construct	24,374											
Closeout	426											
	54,713	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174041-Berryessa Creek, USACE Coordination	25,022	750	6,798	1,500	1,500	500	500	473	37,043
with inflation	25,022	750	6,798	1,596	1,621	596	623	616	37,621
26174042-Berryessa Creek, LERRDs	17,670	0	0	0	0	0	0	0	17,670
with inflation	17,670	0	0	0	0	0	0	0	17,670
TOTAL	**42,692**	**750**	**6,798**	**1,500**	**1,500**	**500**	**1,623**	**1,562**	**54,713**
with inflation	**42,692**	**750**	**6,798**	**1,596**	**1,621**	**596**	**623**	**616**	**55,292**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174041-Berryessa Creek, USACE Coordination	36,740	0	10,968	0	0	0	0	265	616	37,621
26174042-Berryessa Creek, LERRDs	17,670	0	0	0	0	0	0	0	0	17,670
TOTAL	**54,410**	**0**	**10,969**	**0**	**0**	**0**	**0**	**265**	**616**	**55,292**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

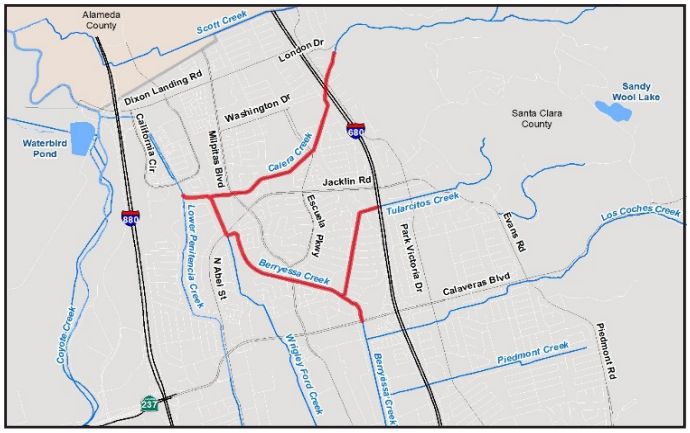
FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	41,168
State of California	4,124
Department of Water Resources (Prop 1E)	10,000
Total	**55,292**
USACE In-kind Services	13,600

PROJECT	Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	40174004s		byerrapotu@valleywater.org

Lower Calera Creek looking downstream towards Milpitas Boulevard



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately three miles of Berryessa Creek and its tributaries, from the confluence with Lower Penitencia Creek to Calaveras Boulevard (Phase 1 and 2) and both Calera and Tularcitos Creeks (Phase 3), to accomplish the following objectives:

- Provide 1% flood protection to 1,823 homes, businesses, and public buildings in the surrounding area
- Improve the structural integrity of the levees
- Improve maintenance access and safety for Valley Water staff
- Identify opportunities to integrate recreation inputs consistent with the City of Milpitas' Trail Master Plan
- Obtain a Letter of Map Revision from the Federal Emergency Management Agency

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E3. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 30+ Years

SCHEDULE & STATUS

March 2001 to June 2041

Planning phase is complete. Construction includes three phases and three years of plant establishment monitoring.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	7,957											
Permits	2,086											
Design	22,001											
Construct	146,247											
Closeout	45											
	179,206	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 1	46,906	0	0	0	0	0	0	0	46,906
with inflation	46,906	0	0	0	0	0	0	0	46,906
40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 2	89,494	542	73	0	0	0	0	0	90,109
with inflation	89,494	542	73	0	0	0	0	0	90,109
40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 3	0	0	0	0	0	0	0	37,041	37,041
with inflation	0	0	0	0	0	0	0	69,419	69,419
26C40420-Phase 3 Planning/Design only (E3)	0	0	0	0	0	0	0	5,150	5,150
with inflation	0	0	0	0	0	0	0	7,804	7,804
TOTAL	**136,400**	**542**	**73**	**0**	**0**	**0**	**0**	**42,191**	**179,206**
with inflation	**136,400**	**542**	**73**	**0**	**0**	**0**	**0**	**77,224**	**214,239**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40174004-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 1	48,470	0	1,564	0	0	0	0	0	0	48,470
40174005-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 2	89,588	448	0	73	0	0	0	0	0	90,109
40C40397-Berryessa Creek, Lower Penitencia Creek to Calaveras Boulevard, Phase 3	0	0	0	0	0	0	0	0	69,419	69,419
26C40420-Phase 3 Planning/Design only (E3)	0	0	0	0	0	0	0	0	7,804	7,804
TOTAL	**138,058**	**448**	**1,564**	**73**	**0**	**0**	**0**	**0**	**77,224**	**215,803**

Adjusted Budget includes adopted budget plus approved budget adjustments. Project 40174004 funding exceeds planned expenditures by approximately $1.564 million. Excess funds will be returned to Fund Reserves at the close of the project.

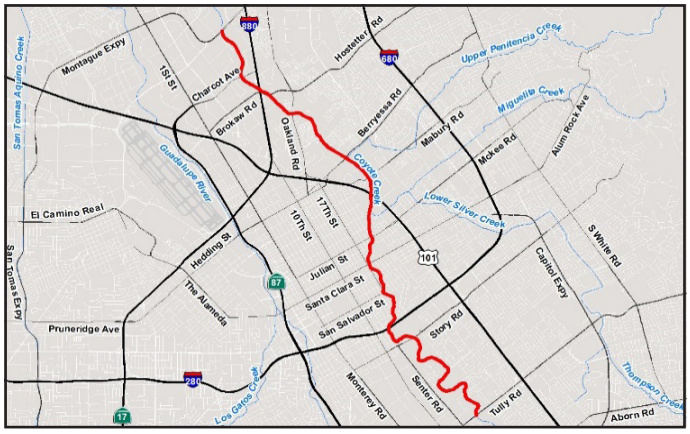
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	213,808
SCVWD Safe, Clean Water Fund	7,804
Department of Water Resources (Prop 1E)	15,000
City of Milpitas	1,995
Total	**215,803**

PROJECT	Coyote Creek, Montague Expressway to Tully Road (E1)		
PROGRAM	Flood Protection – Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26174043		byerrapotu@valleywater.org

February 2017 flood event, Rock Springs Drive looking northeast towards Rocksprings Park



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately nine miles of Coyote Creek, from Montague Expressway to Tully Road, to accomplish the following objectives:

- Reduce the risk of flooding to homes, schools, businesses, and highways from a 20-year flood event (February 2017 event), from Montague Expressway to Tully Road
- Improve water quality, enhance stream habitat, and provide recreational opportunities
- Incorporate aesthetic elements of the Coyote Creek park chain
- Minimize long-term maintenance needs

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E1. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

November 2017 to June 2032

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	9,985											
Permits	3,283											
Design	45,424											
Construct	167,341											
Closeout	106											
	226,674	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174043-Coyote Creek, Montague Expressway to Tully Road (E1)	28,903	12,371	25,811	64,500	62,900	31,075	481	634	226,674
with inflation	28,903	12,371	25,811	71,278	69,988	34,783	599	846	244,578
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174043-Coyote Creek, Montague Expressway to Tully Road (E1)	29,334	16,065	4,125	21,686	71,278	69,988	34,783	599	846	244,578
Adjusted Budget includes adopted budget plus approved budget adjustments.										

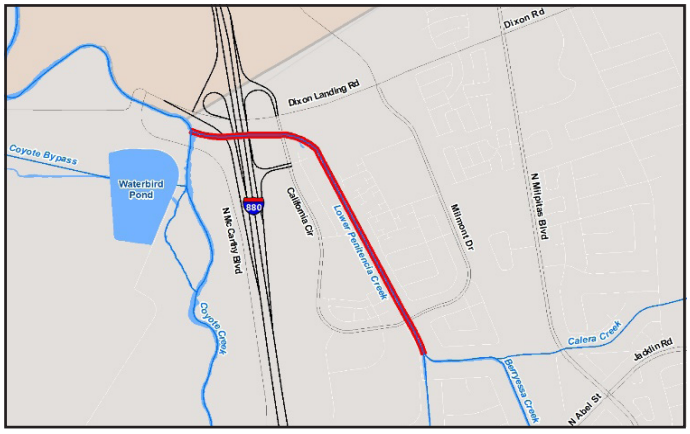
FUNDING SOURCES

(in thousands $)

SCVWD Clean, Safe Creeks and Safe, Clean Water and Natural Flood Protection Fund	244,578
Other Funding Sources	0
Total	**244,578**
Valley Water estimates total WIFIA debt service payment for the eligible SCW projects would be $146.7 million in principal, plus $227.3 million in interest, for a total of $374 million with final payoff of the loan occurring in 2061.	

PROJECT	Lower Penitencia Creek Improvements, Coyote Creek to Berryessa Creek		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	40334005		byerrapotu@valleywater.org

Milmont Road to California Circle (Midstream Right Bank)



Location Map

PROJECT DESCRIPTION

This project plans, designs, and constructs improvements along approximately one mile of Lower Penitencia Creek from the downstream confluence with Coyote Creek to the downstream face of San Andreas Drive, to accomplish the following objectives:

- Convey the Lower Berryessa Creek 1% design flow
- Meet required water surface elevations at Coyote Creek and Berryessa Creek confluences
- Minimize the need for seasonal removal of sediment and non-woody vegetation
- Maintain existing Federal Emergency Management Agency (FEMA) accreditation along the east levee located between California Circle and Berryessa Creek
- Enable FEMA certification of the improvements

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50 Years

SCHEDULE & STATUS

October 2010 to December 2026

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	3,576											
Permits	996											
Design	6,608											
Construct	24,304											
Closeout	20											
	35,514	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40334005-Lower Penitencia Creek Improvements, Coyote Creek to Berryessa Creek	34,997	363	135	20	0	0	0	0	35,514
with inflation	34,997	363	135	21	0	0	0	0	35,516
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40334005-Lower Penitencia Creek Improvements, Coyote Creek to Berryessa Creek	35,394	0	34	101	21	0	0	0	0	35,516
Adjusted Budget includes adopted budget plus approved budget adjustments.										

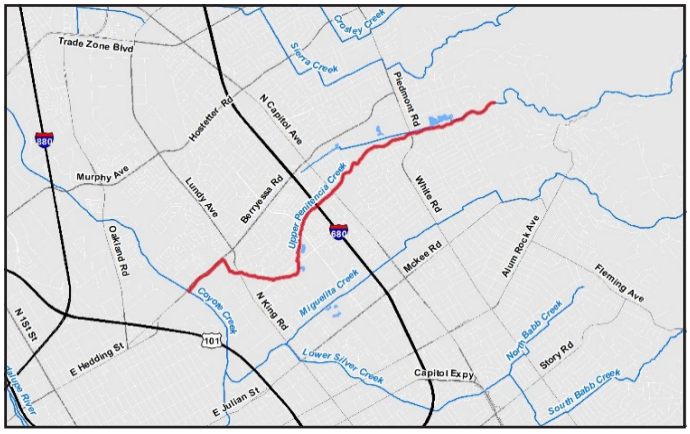
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	30,516
Department of Water Resources (Prop 1E)	5,000
City of Milpitas	314
Total	**35,516**

PROJECT	Upper Penitencia Creek, Coyote Creek to Dorel Drive (E4)		
PROGRAM	Flood Protection - Coyote Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	40324003s		byerrapotu@valleywater.org

Flooding at King Road on Upper Penitencia Creek



Location Map

PROJECT DESCRIPTION

Initially, this project partnered with the U.S. Army Corps of Engineers (USACE) to plan and design improvements along approximately 4.2 miles of Upper Penitencia Creek, from the confluence with Coyote Creek to Dorel Drive, to accomplish the objectives listed below. In 2016, the USACE decided that the multi-objective project which is appropriate for this creek could not be funded under the existing single-purpose authorization. The project has not been included in the USACE workplan since 2017. As Federal funding has not been secured and the local funding is insufficient to construct the project, Valley Water will reassess the availability of funding on an annual basis as part of the Capital Improvement Program's financial planning process.

This project will accomplish the following objectives:

- Provide 1% flood protection to more than 8,000 parcels
- Improve stream habitat values and fisheries potential
- Reduce sedimentation and maintenance requirements
- Identify opportunities to integrate recreation improvements consistent with the City of San José Master Plans, the County's Penitencia Creek Master Plan, and Santa Clara Countywide Trails Master Plan

This project is accounted for in the following:

- 40324003 – USACE Coordination – Completed
- 40324005 – Lands, Easements, Rights-of-Way, Relocations and Disposal – Completed
- 26324001 – Planning and Design

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E4. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Available

SCHEDULE & STATUS

July 2000 to June 2033

*Construction phase includes prior year construction costs for projects that are now closed.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	10,439											
Permits	1,319											
Design	10,000											
Construct	1,482											
Closeout	-											
23,569	Total project cost may include expenditures not yet allocated to a specific phase.											

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE Coordination	9,467	0	0	0	0	0	0	0	9,467
with inflation	9,467	0	0	0	0	0	0	0	9,467
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	2,309	0	0	0	0	0	0	0	2,309
with inflation	2,309	0	0	0	0	0	0	0	2,309
26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr (E4)	3,649	300	0	0	0	0	3,499	4,345	11,793
with inflation	3,649	300	0	0	0	0	4,360	5,874	14,184
TOTAL	**15,425**	**300**	**0**	**0**	**0**	**0**	**3,499**	**4,345**	**23,569**
with inflation	**15,425**	**300**	**0**	**0**	**0**	**0**	**4,360**	**5,874**	**25,960**
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

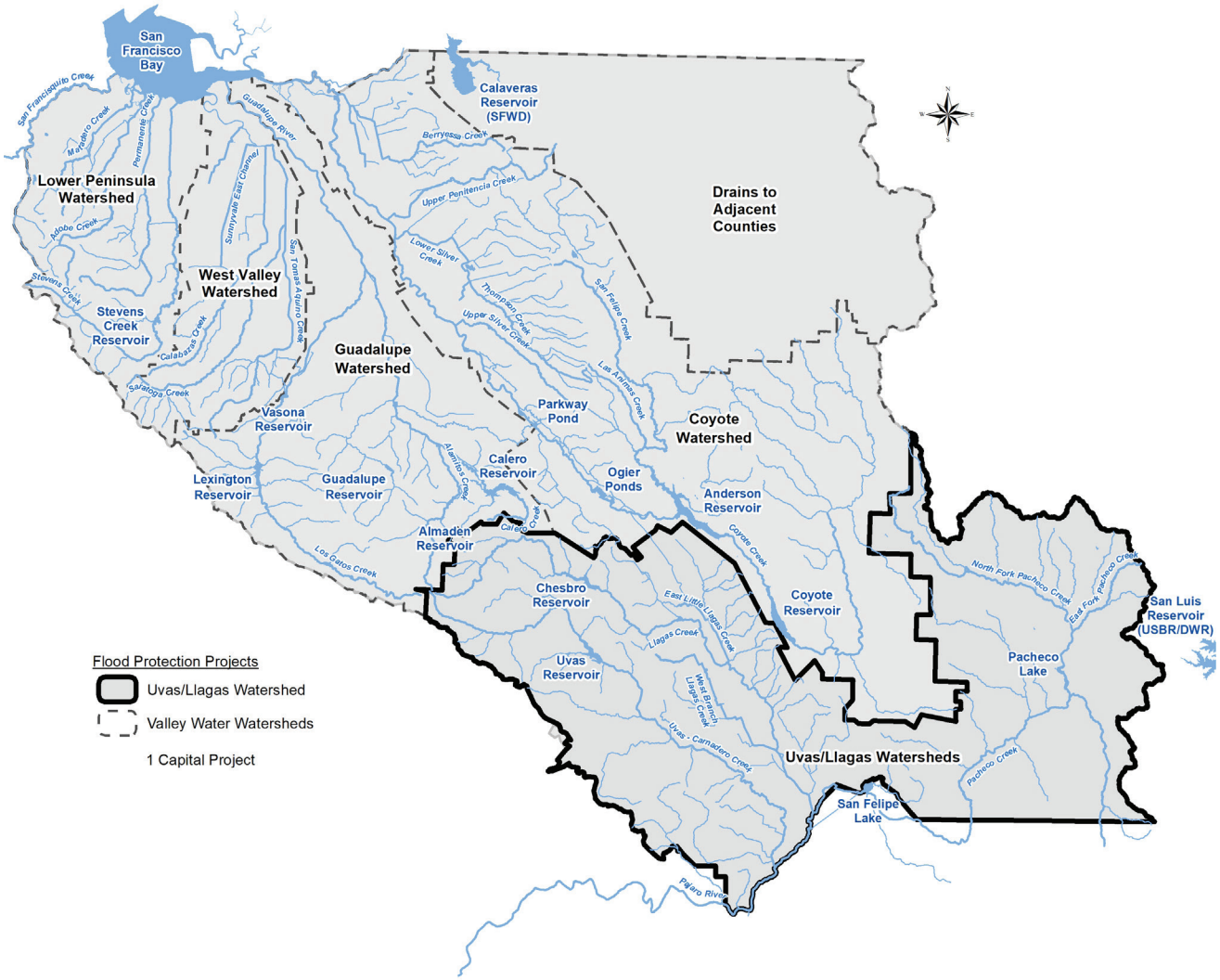
	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
40324003-Upper Penitencia Ck, Coyote Ck to Dorel Dr, USACE Coordination	9,467	0	0	0	0	0	0	0	0	9,467
40324005-Upper Penitencia Ck, Coyote Ck to Dorel Dr, LERRDs	2,309	0	0	0	0	0	0	0	0	2,309
26324001-Upper Penitencia Ck, Coyote Ck to Dorel Dr (E4)	11,253	0	7,303	0	0	0	0	0	2,931	14,184
TOTAL	**23,029**	**0**	**7,303**	**0**	**0**	**0**	**0**	**0**	**2,931**	**25,960**
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

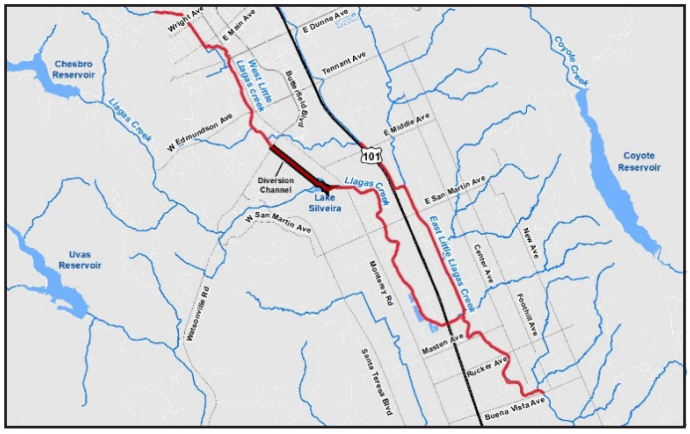
SCVWD Watershed Stream Stewardship Fund	11,776
SCVWD Safe, Clean Water Fund	14,184
Total	**25,960**

Uvas/Llagas Watersheds



PROJECT	Llagas Creek-Upper, Buena Vista Avenue to Llagas Road (E6)		
PROGRAM	Flood Protection - Uvas/Llagas Watershed	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	26174051s		byerrapotu@valleywater.org

Llagas Creek floods at Watsonville Road and the surrounding area



Location Map

PROJECT DESCRIPTION

This project continues a Clean, Safe Creeks project in partnership with the U.S. Army Corps of Engineers (USACE) and the state to plan, design, and construct improvements along 13.9 miles of channel. The project extends from Buena Vista Avenue to Llagas Road, including West Little Llagas Creek in downtown Morgan Hill. The federally authorized preferred project protects the urban area of Morgan Hill from a 1% flood event and reduces the frequency of flooding in surrounding areas. Construction includes channel modifications and replacement of road crossings. Valley Water continues to work with Congress to aggressively pursue federal funds to bring this project to full fruition. In 2012, project limits were extended 2,700 feet upstream to Llagas Road to address public concerns.

This project is accounted for in the following:

- 26174051 – Reaches 4-8 & 14 - Lands, Easements, Rights of Way, Relocation, & Disposal (Reimbursable)
- 26174052 – Reaches 4-8 & 14 - Construction/Coordination with USACE
- 26174053 – Technical Studies – Completed
- 26174054 – Design
- 26174055 – Phase 2B Construction

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E6. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2000 to June 2030

Project schedule may vary considerably and is dependent upon the USACE and Congress.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	3,735											
Permits	9,140											
Design	73,501											
Construct	153,180											
Closeout	271											
240,255		Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174051-Llagas Ck—Upper, LERRDs (E6)	48,776	854	523	20	0	0	0	0	50,172
with inflation	48,776	854	523	22	0	0	0	0	50,174
26174052-Llagas Ck—Upper, USACE Coordination (E6)	163,670	324	732	250	0	0	0	0	164,975
with inflation	163,670	324	732	273	0	0	0	0	164,998
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	1,446
with inflation	1,446	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design (E6)	22,851	300	261	250	0	0	0	0	23,662
with inflation	22,851	300	261	273	0	0	0	0	23,685
26174055-Llagas Ck—Upper, Phase 2B Construction (E6)	22	56,000	48,925	48,200	110	110	210	0	153,578
with inflation	22	56,000	48,925	48,660	112	112	237	0	154,069
TOTAL	**236,742**	**1,478**	**1,515**	**520**	**0**	**0**	**0**	**0**	**240,255**
with inflation	**236,742**	**57,478**	**50,440**	**49,228**	**112**	**112**	**237**	**0**	**394,372**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
26174051-Llagas Ck—Upper, LERRDs (E6)	50,110	0	480	42	22	0	0	0	0	50,174
26174052-Llagas Ck—Upper, USACE Coordination (E6)	170,056	2,636	8,698	0	0	0	0	0	0	172,692
26174053-Llagas Ck—Upper, Technical Studies	1,446	0	0	0	0	0	0	0	0	1,446
26174054-Llagas Ck—Upper, Design (E6)	28,193	0	5,042	0	0	0	0	0	0	28,193
26174055-Llagas Ck—Upper, Phase 2B Construction (E6)	22,400	56,000	22,378	26,547	48,660	112	112	237	0	154,069
TOTAL	**272,204**	**58,636**	**36,598**	**26,589**	**48,682**	**112**	**112**	**237**	**0**	**406,573**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $12.201 million. Excess funds will be returned to Fund Reserves at the close of the project.

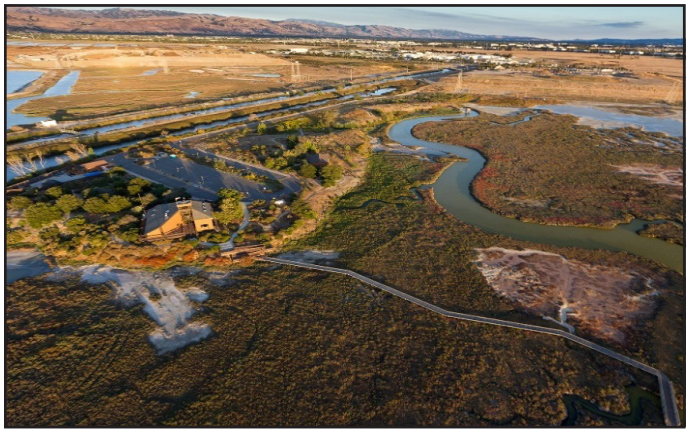
FUNDING SOURCES

(in thousands $)

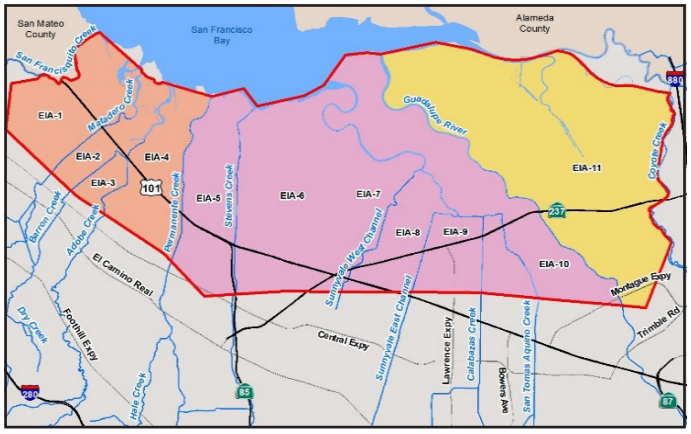
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund	17,900
SCVWD Safe, Clean Water Fund	222,647
SCVWD Watershed Stream Stewardship Fund	23,690
State of California	38,167
City of Morgan Hill	11,968
NRCS Grants	80,000
Total	**394,372**
USACE In-kind Services	65,000

Multiple Watersheds

PROJECT	San Francisco Bay Shoreline (E7)		
PROGRAM	Flood Protection - Multiple Watersheds	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	00044026s		byerrapotu@valleywater.org



Restoration of tidal marshland in the San Francisco Bay



Location Map

PROJECT DESCRIPTION

The Shoreline Project area is divided into eleven economic impact area's (EIAs) and will be completed in phases.

- Phase I is comprised of EIA 11, which includes the shoreline area between Coyote Creek and Guadalupe River in San José; Under the 2012 Safe, Clean Water (SCW) Program, $15,000,000 was provided toward Valley Water's cost-share of the design and partial construction efforts
- Phase II is comprised of EIAs 1, 2, 3, and 4, which includes the shoreline area between San Francisquito Creek in Palo Alto to Permanente Creek in Mountain View; Under the renewed SCW Program, approximately $25,000,000 will be provided toward Valley Water's cost-share of the planning, design and construction phase efforts
- Phase III is comprised of EIAs 5, 6, 7, 8, 9, and 10, which includes the shoreline area between Permanente Creek in Mountain View and Guadalupe River in San José; Under the renewed SCW Program, approximately $12,000,000 will be provided toward Valley Water's cost-share of the planning and design phase efforts for EIAs 5-9. Funding for EIA 10 is yet to be determined

This project partners with the California Coastal Conservancy, U.S. Army Corps of Engineers (USACE) and key stakeholders to conduct an integrated, multi-objective project along the San Francisco Bay Shoreline to accomplish the following objectives:

- Provide integrated fluvial and 1% coastal flood protection
- Provide protection for future sea level rise
- Restore and/or enhance tidal marsh and related habitats
- Provide recreational and public access opportunities
- Pursue continued federal funding
- Obtain a Letter of Map Revision from the Federal Emergency Management Agency
- Coordinate closely with the South Bay Salt Pond Restoration Project, local jurisdictions/cities, U.S. Fish and Wildlife Service, the community, and key stakeholders

This project is accounted for in the following:

- 62044042 – Shoreline, Early Implementation – Completed
- 00044026 – San Francisco Bay Shoreline (Phase I)
- 26444001 – EIA 11, Design and Partial Construction (E7), Phase I – Completed
- 26444002 – EIAs 1-4 (E7), Phase II
- 26444004 – EIAs 5-9 (E7), Phase III

This project meets the commitments of the voter-approved Safe, Clean Water Program (SCW), Project E7. For a full description of the SCW benefits and KPIs, please visit www.valleywater.org.

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: 50+ Years

SCHEDULE & STATUS

July 2005 to June 2032

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	32,498											
Permits	915											
Design	34,739											
Construct	161,493											
Closeout	149											
	230,794	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
00044026-San Francisco Bay Shoreline	97,155	4,204	4,770	4,635	78,990	810	890	999	192,453
with inflation	97,155	4,204	4,770	5,062	90,141	966	1,109	1,310	204,716
10044027 - San Francisco Bay Shoreline - Contribution	490	0	0	0	0	0	0	0	490
with inflation	490	0	0	0	0	0	0	0	490
62044042-Shoreline, Early Implementation	359	0	0	0	0	0	0	0	359
with inflation	359	0	0	0	0	0	0	0	359
26444001-EIA 11, Design & Partial Construction (E7) (2012 SCW Program)	17,516	0	0	0	0	0	0	0	17,516
with inflation	17,516	0	0	0	0	0	0	0	17,516
26444002-EIAs 1-4 (E7)	5,660	50	53	0	0	0	0	0	5,763
with inflation	5,660	50	53	0	0	0	0	0	5,763
26444004-EIAs 5-9 (E7)	1,981	1,460	2,163	2,860	2,575	1,810	910	454	14,213
with inflation	1,981	1,460	2,163	3,123	2,939	2,158	1,134	591	15,549
TOTAL	**123,161**	**5,714**	**6,986**	**7,495**	**81,565**	**2,620**	**1,800**	**1,453**	**230,794**
with inflation	**123,161**	**5,714**	**6,986**	**8,185**	**93,079**	**3,124**	**2,243**	**1,901**	**244,394**

Actuals include project expenditures and encumbrances.

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
00044026-San Francisco Bay Shoreline	101,306	53	-0	4,770	5,062	90,141	966	1,109	1,310	204,716
10044027 - San Francisco Bay Shoreline - Contribution	490	0	0	0	0	0	0	0	0	490
62044042-Shoreline, Early Implementation	359	0	0	0	0	0	0	0	0	359
26444001-EIA 11, Design & Partial Construction (E7) (2012 SCW Program)	17,516	0	0	0	0	0	0	0	0	17,516
26444002-EIAs 1-4 (E7)	10,113	1,025	5,428	0	0	0	0	0	0	11,139
26444004-EIAs 5-9 (E7)	3,135	1,065	759	1,404	3,123	2,939	2,158	1,134	591	15,549
TOTAL	**132,920**	**2,143**	**6,188**	**6,174**	**8,185**	**93,079**	**3,124**	**2,243**	**1,901**	**249,769**

Adjusted Budget includes adopted budget plus approved budget adjustments. Funding exceeds planned expenditures by approximately $5.375 million in Project 26444002. Project 00044026 had a project cost increase of ~$87 million, which resulted in a funding shortfall for FY28–32. The Board has directed staff to address this funding shortfall in next year's CIP Development Cycle.

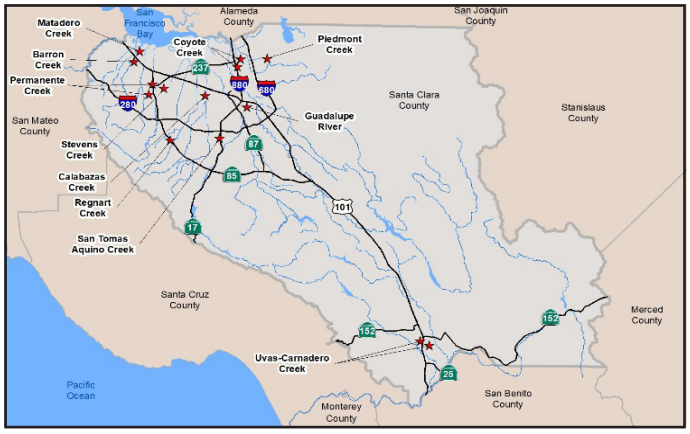
FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	122,964
SCVWD Clean, Safe Creeks and Natural Flood Protection Fund (Environmental Enhancement Grant)	2,011
SCVWD Safe, Clean Water and Natural Flood Protection Fund	38,829
California Department of Water Resources	420
SFBRA Measure AA (Grant)	61,513
SFBRA Measure AA (Ballot Reimbursement)	831
State of California	8,000
State Coastal Conservancy (Reaches 1-3)	7,773
State Coastal Conservancy (Reaches 4-5)	7,428
Total	**249,769**
Federal Partners, South Bay Salt Ponds (SBSP)	48,470
State, SBSP	14,720
Foundations, Packard-Hewlett-Goldman-Moore, SBSP	17,060
Coastal Conservancy, Shoreline	2,010
Federal, USACE, Shoreline	8,990
Total Partnership Funding for In-kind Services	**91,250**

PROJECT	Watersheds Asset Rehabilitation Program (WARP)		
PROGRAM	Flood Protection - Multiple Watersheds	**CONTACT**	Bhavani Yerrapotu
PROJECT NO.	62084001		byerrapotu@valleywater.org

View of damage caused by burrowing animals along West Branch of Llagas Creek in the Uvas/Llagas Watershed



Location Map

PROJECT DESCRIPTION

This project provides resources for the restoration of capital investments to preserve or extend the life of assets within watersheds. This will repair or rehabilitate various features within watersheds to ensure facilities are functioning as intended, ensuring design level of flood protection, removal of impediments to fish passage and geomorphic stability of creeks and waterways to minimize sediment loading and creek erosion. To streamline the implementation process, most of the projects are planned to be executed using Valley Water's current Stream Maintenance Program's approved regulatory permits.

The repair work consists of, but is not limited to:

- Creek erosion repair using rock riprap and steel piles
- Remediation of eroded earthen slopes using natural alternative treatments, where possible
- Levee rehabilitation impacted by animal intrusion and soil degradation
- Rehabilitation of fish passage facilities
- Geomorphic channel restoration with bed and bank repair
- Storm outfall restoration and repair
- Minor concrete repair to restore stream function of existing concrete channels
- Board-approved Emergency Repairs

OPERATING COST IMPACTS

See Appendix D for operating cost impacts.

USEFUL LIFE: Not Applicable

SCHEDULE & STATUS

Several small projects go through the design and construction phases each year under the Stream Maintenance Program 2 permit.

Phase	Cost	FY 25	FY 26	FY 27	FY 28	FY 29	FY 30	FY 31	FY 32	FY 33	FY 34	FY 35
Plan	5,443											
Permits	9,385											
Design	20,235											
Construct	136,906											
Closeout	590											
	232,990	Total project cost may include expenditures not yet allocated to a specific phase.										

EXPENDITURE SCHEDULE

(in thousands $)

	Actuals Thru	Planned Expenditures							Total
Project	**FY24**	**FY25**	**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
62084001-Watersheds Asset Rehabilitation Program (WARP)	63,174	19,679	16,560	8,100	8,100	8,100	8,100	101,178	232,990
with inflation	63,174	19,679	16,560	8,941	9,443	9,939	10,424	170,420	308,579
Actuals include project expenditures and encumbrances.									

FUNDING SCHEDULE

(in thousands $)

	Budget Thru	Adj. Budget	Est. Unspent	Planned Funding Requests						Total
Project	**FY24**	**FY25**		**FY26**	**FY27**	**FY28**	**FY29**	**FY30**	**Future**	
62084001-Watersheds Asset Rehabilitation Program (WARP)	63,173	19,679	0	16,560	8,941	9,443	9,939	10,424	170,420	308,579
Adjusted Budget includes adopted budget plus approved budget adjustments.										

FUNDING SOURCES

(in thousands $)

SCVWD Watershed Stream Stewardship Fund	308,579
City of Palo Alto (Matadero Creek)	456
Total	**308,579**