

Watersheds Capital Improvement Program FY 2016-17 Progress Report

SCVWD Board of Directors
April 11, 2017



FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection (USACE)

1. Llagas Creek, Upper, Buena Vista Ave to Llagas Rd

Total Estimated Cost: \$171.8M



Mid-Year Progress Report:

- Right of way
 - Phase 1: 3 acquisitions remaining
 - Phase 2: ~20 acquisitions remaining
 - Temporary construction easements pending
- 100% Phase 1 (P&S) completed
- 95% Phase 2 (P&S) completed
- Resource agency permits
 - CDFW 1600 permit received - Jan 2017
 - RWQCB 401 permit pending

FY18 Outlook: USACE to release final EIS/ROD; receive USACE 404 permit; advertise/award Phase 1 for construction

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection

2. Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd - Phase 2

Total Estimated Cost: \$130.4M



Mid-Year Progress Report:

- **Main Stem:**
 - Constructed of 260 CIDH piles
 - Site winterized
 - Redesigned Edgewater Drive floodwall
 - Public meetings conducted - July 20, 2016; Nov 18, 2016; and Jan 30, 2017
- **Phase 2B (Lower Calera Creek):**
 - 60% channel & planting design completed

FY18 Outlook: continue construction of main stem; continue Phase 2B (Lower Calera Creek) 60% structural design

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection

3. Lower Penitencia Ck Improvements, Berryessa Ck to Coyote Ck

Total Estimated Cost: \$33.1M



Mid-Year Progress Report:

- 30% design completed - Dec 2016
- Basis of design report completed - Dec 2016
- Coordinate with Milpitas, Caltrans, resource agencies - ongoing

FY18 Outlook: complete design; conduct CEQA public meeting; finalize EIR; receive resource agency permits; acquire right-of-way and easements; advertise and award project for construction

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection (USACE)

4. Guadalupe River, Upper, SPRR to Blossom Hill Road (R7-12)

Total Estimated Cost: \$182.3M



Mid-Year Progress Report:

- 65% channel design completed - Dec 2016
- 90% vehicular bridge designs (Alma Ave & Willow St) completed - Dec 2016
- Real estate acquisition from CSJ, Caltrans, & Elks Lodge - ongoing
- Mitigation planting contracts (R10B & 12) awarded - Oct 2016

FY18 Outlook: 100% design; acquire all ROW; complete mitigation planting; receive federal funds to award & construct

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection (USACE)

5. Berryessa Creek, Calaveras to I-680

Total Estimated Cost: \$59.2M



Mid-Year Progress Report:

- Construction contract awarded - Aug 2016
- Montague to I-680 channel work completed - Dec 2016
- Installed 3 storm drains; pruned & removed trees south of Montague - Dec 2016
- Set up staging and yard areas & coordinated with contractors - Dec 2016

FY18 Outlook: complete channel work & tree pruning Montague to Calaveras; relocate PG&E utilities

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection

6. Upper Penitencia Creek, Coyote Creek to Dorel Drive

Total Estimated Cost: \$63.5M



Mid-Year Progress Report:

- Planning phase work underway:
 - Hydrology model completed
 - New floodplain model developed
 - Landscape concepts workshop held
 - Problem definition report under development
 - Community outreach plan under development

FY18 Outlook: develop Problem Definition Report; conduct detailed outreach; develop alternatives; begin Planning Study Report

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection (USACE)

7. San Francisquito Creek, San Francisco Bay to Searsville Dam

Total Estimated Cost: \$58.9M



Mid-Year Progress Report:

- Bay to Hwy 101
 - Began construction
 - Retaining walls along ISTEP & USPS completed
 - Begin floodwall construction - May 2017
- Hwy 101 to El Camino Real
 - EIS/EIR scoping meeting

FY18 Outlook: Bay to Hwy 101 - complete floodwall construction and begin levee construction; Hwy 101 to El Camino Real - identify Tentatively Selected Plan, finalize EIR, and draft Feasibility Report

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection

8. Permanente Creek, SF Bay to Foothill Expressway

Total Estimated Cost: \$85.2M



Mid-Year Progress Report:

- Rancho San Antonio construction contract awarded - Oct 2016
- McKelvey Park construction contract awarded - Nov 2016
- Public meetings conducted - Nov & Dec 2016
- Issued notice to begin work for Rancho San Antonio construction - Dec 2016
- Issued notice to begin work for McKelvey Park - Jan 2017

FY18 Outlook: award and begin construction contract for channel improvements; support 3 ongoing construction contracts

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection (USACE)

9. San Francisco Bay Shoreline EIA 11 & EIAs 1-10

Total Estimated Cost: \$42.3M



Mid-Year Progress Report:

- EIA 11
 - Design agreement signed - July 2016
 - Reach 1 levee design begins - Oct 2016
 - BCDC, RWQCB coordination begins - Oct 2016
 - Begin LERRDs coordination - ongoing
 - 30% Reach 1 levee design completed
- EIAs 1-10
 - Prelim feasibility report completed
 - Stakeholders meeting conducted - Mar 2017
 - Coordinate with SBSP project - ongoing

FY18 Outlook: EIA 11 - attain RWQCB & BCDC permits; complete Reach 1 levee design; develop PMP for construction; acquire ROW and easements; EIAs 1-10 - prepare material for a USACE charrette; develop cost share MOU for SBSP EIA 4 levee

FY2016-17 Key Watersheds Capital Projects' Status Report

Flood Protection

10. Sunnyvale East and West Channels

Total Estimated Cost: \$68.4M



Mid-Year Progress Report:

- ROW
 - C. of Sunnyvale - 4 easements completed
 - PG&E easement completed
 - Temporary construction easements pending
- 95% design (P&S) completed
- Resource Agency Permits
 - Submit JARPA application - April 2017
- SF Bay wetland mitigation bank

FY18 Outlook: receive resource agency permits; advertise/award project for construction

FY2016-17 Key Watersheds Capital Projects' Status Report

Water Resources Stewardship

1. Almaden Lake Improvements

Total Estimated Cost: \$4.6M



Mid-Year Progress Report:

- Preliminary design - ongoing
- Water options analysis - ongoing
- Initiated contract for water budget analysis
- Draft EIR preparation - ongoing
- Coordination with stakeholders – ongoing

FY18 Outlook: complete preliminary design and water options analysis; complete draft EIR and conduct public meeting; finalize EIR

FY2016-17 Key Watersheds Capital Projects' Status Report

Water Resources Stewardship

2. Watershed Habitat Enhancements

Feasibility Studies (Ogier, Metcalf, prioritizing removal of Stevens Creek Fish Barriers)

Total Estimated Cost: \$2.3M



Mid-Year Progress Report:

- SC County Parks agreement for Ogier Ponds completed
- Initiated contract for water budget/recharge for Ogier Ponds
- Draft feasibility report preparation - ongoing
- Initiated planning for Stevens Creek Fish Passage and Metcalf Ponds

FY18 Outlook: complete Ogier Ponds feasibility study; continue Stevens Creek and Metcalf Pond studies

FY2016-17 Key Watersheds Capital Projects' Construction Schedule

Construction Schedule

Design and Construction Schedule, Fiscal Years 2017 - 2028

17 18 19 20 21 22 23 24 25 26 27 28

Llagas Creek, Upper & Design												
Berryessa Creek, Lower Penitencia Ck to Calaveras Blvd-Phase												
Lower Penitencia Ck Improvements, Berryessa to Coyote Creeks												
Guadalupe River, Upper SPRR to Blossom Hill Road (R7-12)												
Berryessa Creek, Calaveras to I-680												
Upper Penitencia Creek, Coyote Creek to Dorel Drive												
San Francisquito Creek, San Francisco Bay to Searsville Dam												
Permanente Creek, SF Bay to Foothill Expressway												
San Francisco Bay Shoreline EIA 11 & EIAs 1-10												
Sunnyvale East and West Channels												

Design Phase
Construction Phase

SCW Program Schedule Adjustments

Santa Clara Valley
Water District