

Watersheds Capital Improvement Program FY 2018-19 Progress Report

SCVWD Board of Directors
March 26, 2019



FY2018-19 Key Watersheds Capital Projects' Status Report

1. Almaden Lake Improvements

Total Estimated Cost: \$4.6M



Mid-Year Progress Report:

- 30% restored creek/lake water to percolation pond design - Complete
- Water source options analysis - Complete
- Draft EIR preparation – Ongoing
- 30% design for water source to lake - Ongoing

FY20 Outlook:

- Complete draft EIR and conduct public meeting
- Finalize EIR, complete 60% design, and submit permits

FY2018-19 Key Watersheds Capital Projects' Status Report

2. Stream Stewardship Feasibility Studies

Total Estimated Cost: \$2.3M



Mid-Year Progress Report:

- SC County Parks agreement for Ogier Ponds
- Initiated contract for water budget/recharge for Ogier Ponds
- Draft feasibility report preparation for Metcalf Ponds - ongoing
- Evaluation of fish passage along Stevens Creek

FY20 Outlook:

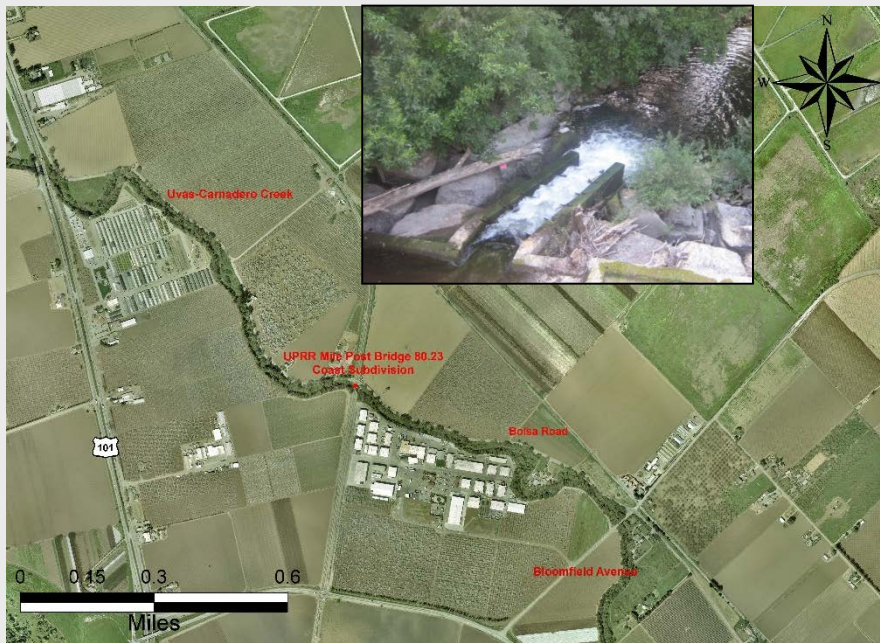
- Complete evaluation of fish passage along Stevens Creek
- Continue Ogier Ponds planning and Metcalf Pond feasibility study



FY2018-19 Key Watersheds Capital Projects' Status Report

3. Bolsa Road Fish Passage Improvements

Total Estimated Cost: \$2.2M



Mid-Year Progress Report:

- Prepared CEQA documentation for the geomorphic alternative design.
- Submitted all the permit applications to the Corps, USFWS, DFWS, and RWQCB.
- Design of fish passage improvements is on going.

FY20 Outlook:

- Complete PS&E with permits from resource agencies.
- Advertise the Project for bids in April 2019.
- Begin construction in June 2019.

FY2018-19 Key Watersheds Capital Projects' Status Report

4. Coyote Creek Flood Protection Project, Montague Expy. to Tully Rd.

Total Estimated Cost: to be determined



Mid-Year Progress Report:

- Problem Definition Report developed
- Began project alternatives development
- Community outreach scheduled
- USACE feasibility study scoped

FY20 Outlook:

- Conduct public outreach in Spring
- Continue conceptual alternatives development and determine which alternatives are feasible
- Conduct outreach on alternatives

FY2018-19 Key Watersheds Capital Projects' Status Report

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

Total Estimated Cost: \$58.9M



Mid-Year Progress Report:

- Bay to Hwy 101: Completed flood protection construction and opened the levee trails.
- Hwy 101 to El Camino Real
 - Prepared administrative draft Environmental Impact Report (EIR).
 - Completed 90% design.

FY20 Outlook:

- Bay to Hwy 101 – complete punch list work and acceptance of the work by the Board;
- Hwy 101 to El Camino Real – Public review of the draft EIR, and Final EIR by October 2019

FY2018-19 Key Watersheds Capital Projects' Status Report

6. Permanente Creek, San Francisco Bay to Foothill Expressway



Mid-Year Progress Report:

- Completed Channel Improvement construction.
- Completed 2nd year construction of McKelvey Park detention basin.
- Rancho San Antonio detention basin construction is on hold due to Corps permit and consultation with SHPO.

FY20 Outlook:

- Resume Rancho San Antonio construction in April 2019.
- Complete McKelvey Park detention basin and Rancho San Antonio construction by December 2019.
- Board Acceptance of the Channel Improvement construction work.

FY2018-19 Key Watersheds Capital Projects' Status Report

7. Lower Berryessa Creek, Phase 2 - Abel St. to E. Calaveras Blvd.

Total Estimated Cost: \$76.2M



Mid-Year Progress Report:

- Phase 2A (Abel St. to E. Calaveras Blvd.):
 - Completed portion from N. Milpitas Blvd to E. Calaveras Blvd ~ 3,000 feet
 - Installed 1.7 acres of riparian plantings
- Phase 2B (Lower Calera Creek): completed 60% design

FY20 Outlook:

- Finish construction of Phase 2A by December 2018.
- Complete Phase 2B design by August 2018.

FY2018-19 Key Watersheds Capital Projects' Status Report

8. Upper Berryessa Creek, E. Calaveras Blvd. to I-680

Total Estimated Cost: \$59.2M



Mid-Year Progress Report:

- All channel work completed (USACE) in December 2017
- Montague Expy. bridge completed (VTA) in June 2018
- USACE is working on punch list items from channel construction

FY20 Outlook:

- USACE to complete O&M Manual and turn over maintenance to District by summer 2019
- USACE to complete punch list items by October 2019

FY2018-19 Key Watersheds Capital Projects' Status Report

9. Guadalupe River, Upper, SPRR to Blossom Hill Rd. (R7-12)

Total Estimated Cost: \$182.3M



Mid-Year Progress Report:

- Acquired Elks Lodge property in Reach 7 and several properties in Reach 9

FY20 Outlook:

- Support USACE in requesting funding to resume design of Reach 7 flood protection improvements.
- Work with USACE to evaluate the project scope, benefit-cost-ratios for each remaining reach, and revise scope of project so that the project can comply with USACE project cost increase policy and more competitive for federal funding.

FY2018-19 Key Watersheds Capital Projects' Status Report

10. Watersheds Asset Rehabilitation Program (31 Maintenance Projects)

Total Estimated Program Cost:
\$177.0M



Coyote Creek Levee Rodent Damage Repair,
D/S of SR 237

Mid-Year Progress Report:

- Completed 3 projects: (1) Coyote Creek Levee Rodent Damage Repair, U/S of SR 237; (2) Coyote Creek Levee Rodent Damage Repair, D/S of SR 237; and (3) San Tomas Creek Concrete Erosion Repair, Phase 1 and Matadero Creek Sediment Removal and Concrete Erosion Repair
- Continue Uvas Creek Levee Rehabilitation Project construction, Phase 1

FY20 Outlook:

- Complete Uvas Creek Levee Rehabilitation Project, Phase 1
- Advertise for summer construction of 3 projects: (1) Uvas Creek Levee Rehabilitation Project, Phase 2; (2) San Tomas Creek Concrete Erosion Repair, Phase 2; and (3) Barron Creek Concrete Erosion Repair

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10a. Stevens Creek Bank And Access/Trail Road Emergency and Permanent Repair Project, D/S of El Camino Real

Total Estimated Cost: \$2.8M



Mid-Year Progress Report:

- Completed Permanent Bank Repair – Completed in Nov 2018
- Request for cost re-imburement from FEMA and Cal OES

FY20 Outlook:

Complete reimbursement process with FEMA/Cal-OES

FY2019-20 Key Watersheds Capital Projects' Status Report

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

Total Estimated Cost: \$42.3M



Mid-Year Progress Report:

- EIA 11 – Reach 1
 - USACE receives \$177.2 M (BBA 2018) – Jul 2018
 - 95% levee design review – Nov 2018
 - PPA for construction executed – Feb 2019
 - Reaches 2/3 60% levee design review – Feb 2019
 - District secures Dirt Broker – Mar 2019
- EIAs 1-10
 - EIAs 4 & 5, Mountain View coordination with SBSRP for construction – Ongoing
 - EIA 10, Pond A8 coordination with SBSRP for planning – Ongoing
 - USACE receives \$500K for EIAs 1-10 – Nov 2018

FY20 Outlook:

- District to secure Reaches 2/3, temp UPRR crossing and Pond A18 acquisition and Reaches 4/5 Dirt Broker
- USACE complete Reach 2/3 levee design
- Develop EIAs 1-10 USACE cost share agreement



FY2019-20 Key Watersheds Capital Projects' Status Report

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

Total Estimated Cost: \$216.4M



Mid-Year Progress Report:

- Right of way
 - Phase 1: 1 acquisition pending (SCC Parks)
 - Phase 2: ~6 acquisitions remaining
 - Temporary construction easements pending
- 100% Phase 1 (P&S) completed
- 95% Phase 2 (P&S) completed
- USACE released final EIS-Nov. 2018
- Resource agency permits
 - CDFW 1600 permit received - Jan 2017
 - RWQCB 401 permit received – July 2017
 - USACE 404 permit - Pending

FY20 Outlook:

- Receive USACE 404 permit
- Advertise/award Phase 1 for construction
- Advertise/award Phase 2 for construction



FY2019-20 Key Watersheds Capital Projects' Status Report

13. Sunnyvale East and West Channels

Total Estimated Cost: \$68.4M



Mid-Year Progress Report:

- ROW
 - City of Sunnyvale - 4 easements completed
 - PG&E easement completed
 - Temporary construction easements pending
- 95% design (P&S) completed
- Resource Agency Permits
 - Submit JARPA application – Completed
 - SCVWD responding to Agency concerns
- Proposed Mitigation
 - SF Bay wetland mitigation bank
 - Google, LLC. Enhancement Project

FY20 Outlook:

- Receive resource agency permits
- Advertise/award project for construction



14. Cunningham Flood Detention Certification

Total Estimated Cost: \$11.6M



Mid-Year Progress Report:

- Construction began in July 2018
- Floodwall is about 90% complete
- Levee work will resume during dry conditions
- Mitigation planting about 50% complete

FY20 Outlook:

- Complete remaining construction by June 2019.
- Submit Letter of Map Revision to FEMA by December 2019

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15. Palo Alto Flood Basin Tide Gate Structure Replacement, Lower Peninsula

Total Estimated Cost: \$15M



Mid-Year Progress Report:

- Completed bathymetric survey–spring 2019
- Completed geotechnical investigation report–fall 2018

FY20 Outlook:

- Draft MND–summer 2019
- Final MND–winter 2019
- Regulatory permits–fall 2020
- 30% Design–summer 2019
- 60% Design–fall 2019
- 90% Design–spring 2020

FY2019-20 Key Watersheds Capital Projects' Status Report

16. Lower Penitencia Creek Improvements, Berryessa Creek to Coyote Creek

Total Estimated Cost: \$26.8M



Mid-Year Progress Report:

- 90% design completed – February 2019
- Received draft Lake and Streambed Alteration Agreement from CDFW - Jan 2019 (1 of 3 permits)
- Coordination with Milpitas, Caltrans, USACE, RWQCB - Ongoing

FY20 Outlook:

- Advertise and award project for construction
- Complete year 1 construction

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17. Upper Penitencia Creek, Coyote Creek to Dorel Dr.



Mid-Year Progress Report:

- Resilient Landscape Vision report completed
- Problem Definition Report Completed
- Conceptual alternatives developed

Remainder of FY20 Outlook:

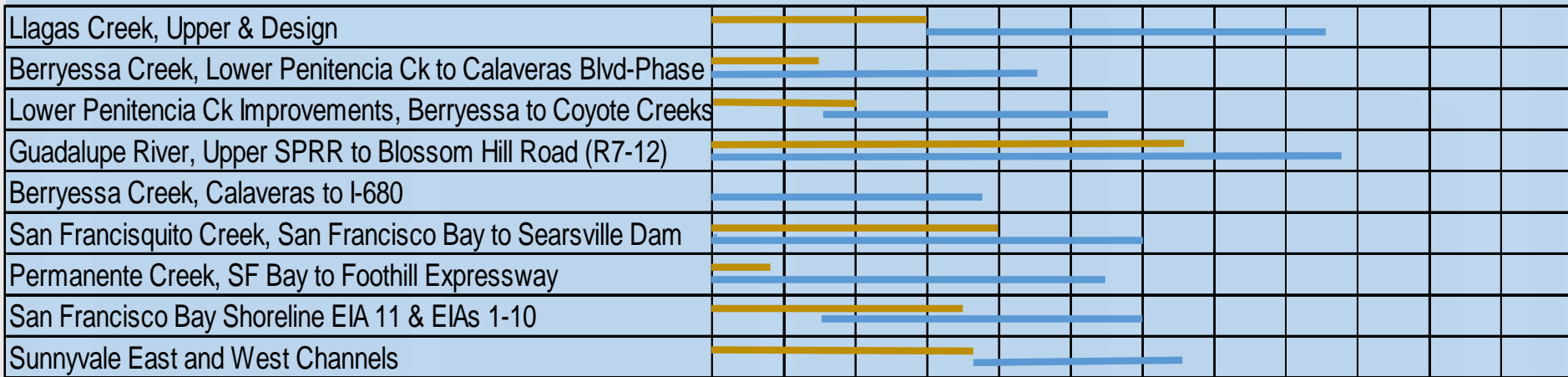
- Conduct outreach on alternatives
- Develop feasible alternatives
- Select recommended project and develop Planning Study Report

FY2019-20 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

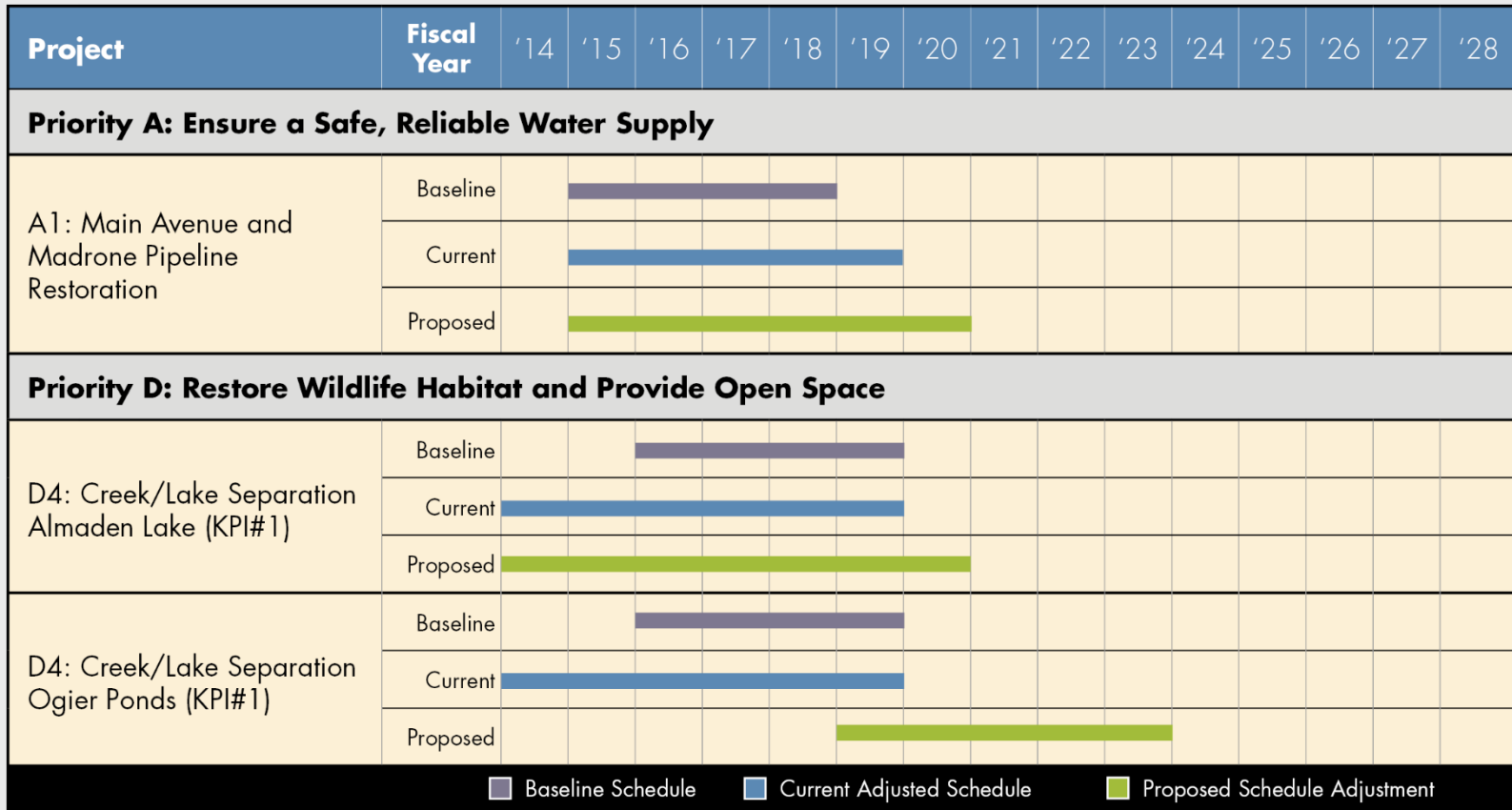


Design Phase
Construction Phase



FY2018-19 Key Watersheds Capital Projects' Status Report

SCW Program Schedule Adjustments



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SCW Program Schedule Adjustments

Project	Fiscal Year	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25	'26	'27	'28
Priority D: Restore Wildlife Habitat and Provide Open Space																
D6: Creek Restoration and Stabilization - Hale Creek Enhancement Pilot Project	Baseline															
	Proposed															
D6: Creek Restoration and Stabilization - Bolsa Road Bridge Project	Baseline															
	Proposed															
D6: Creek Restoration and Stabilization - Los Gatos Creek Restoration Project	Baseline															
	Proposed															
<div> <div></div> Baseline Schedule <div></div> Current Adjusted Schedule <div></div> Proposed Schedule Adjustment </div>																

FY2018-19 Key Watersheds Capital Projects' Status Report

SCW Program Schedule Adjustments

