

AMERICAN RIVER WATERSHED COMMON FEATURES, WATER RESOURCES DEVELOPMENT ACT OF 2016, SACRAMENTO RIVER EAST LEVEE (SREL) CONTRACT 3

Draft Supplemental Environmental Impact Report/ Environmental Assessment

Sacramento District
US Army Corps of Engineers

14 JULY 2021



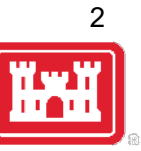
US Army Corps
of Engineers®



Source: U.S. Army Corps of Engineers, Sacramento District



NEPA/CEQA COMMENTS



Draft Supplemental EIR/EA is available at:
sacleveeupgrades.com

Public Comment Period: June 18 – August 1, 2021

Final Document: Expected September 2021



AGENDA

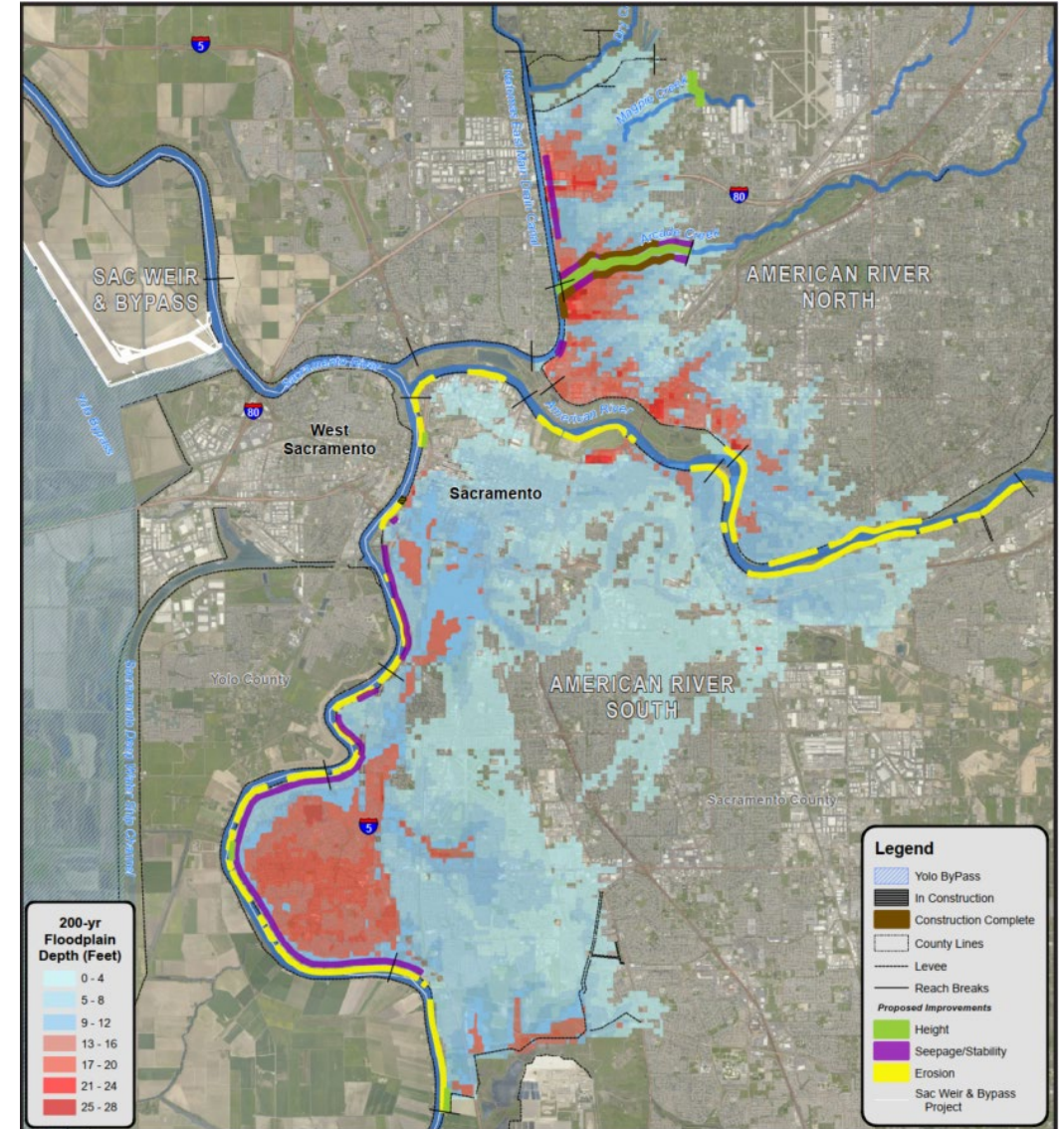
- American River Watershed Common Features 2016 Project
 - Final Environmental Impact Statement/ Final Environmental Impact Report
- Sacramento River East Levee Contract 3
 - Supplemental Environmental Impact Report/ Environmental Assessment (SEIR/EA)
- Opportunities for Public Input



AMERICAN RIVER WATERSHED COMMON FEATURES 2016



- Water Resources Development Act of 2016
- Emergency Supplemental Appropriations in the Bipartisan Budget Act of 2018





PROJECT PARTNERS

Federal Government



**US Army Corps
of Engineers®**

State Government



Central Valley
Flood Protection
Board



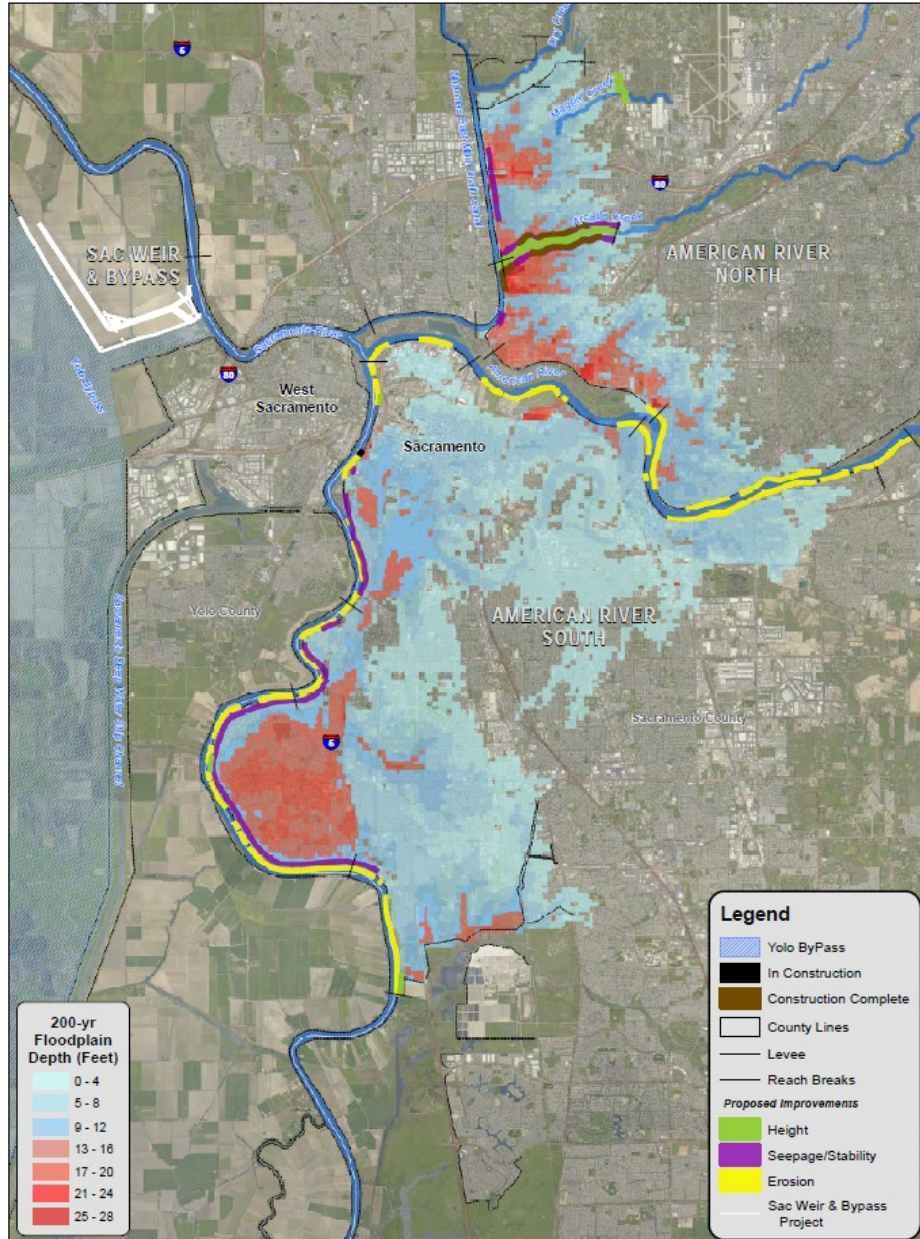
Department of
Water
Resources

Local Government





AMERICAN RIVER COMMON FEATURES (ARCF) 2016



SUPPLEMENTAL TARGET JAN 2024

| Authorized Plan | |
|----------------------------------|--------------------------------|
| Features | |
| North Area Streams Seepage | 4 miles |
| Sacramento River Seepage | 9 miles |
| American River Erosion | 11 miles |
| Sacramento River Erosion | 10 miles |
| Levee Stabilization | 5 miles |
| Levee raises | 5 miles |
| Widen Sacramento Weir and Bypass | 1500 feet |
| | |
| Reduces Risk | 500,000 people |
| | 125,000 structures |
| | \$62 billion protection |



CAUSES OF LEVEE FAILURE

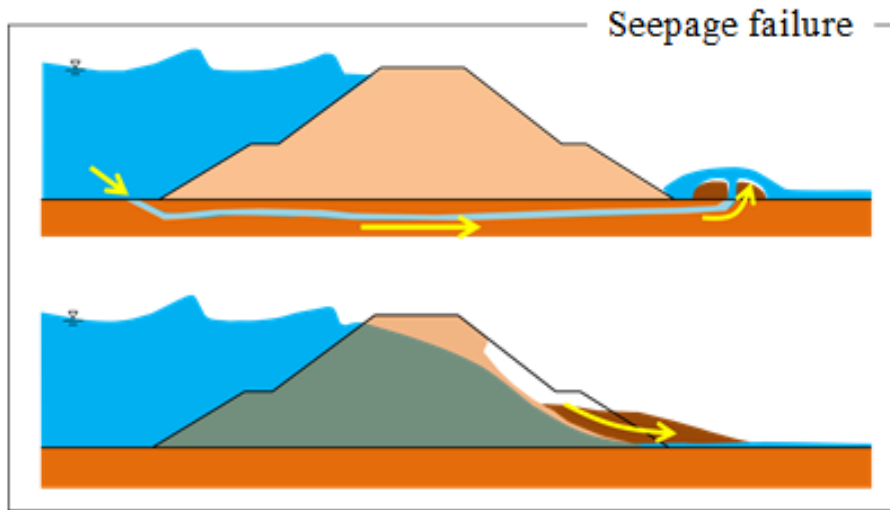
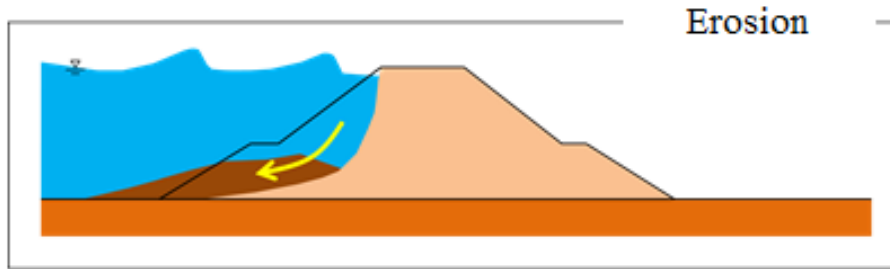
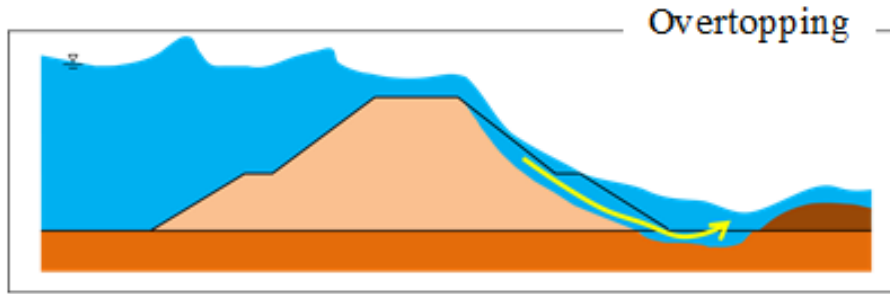


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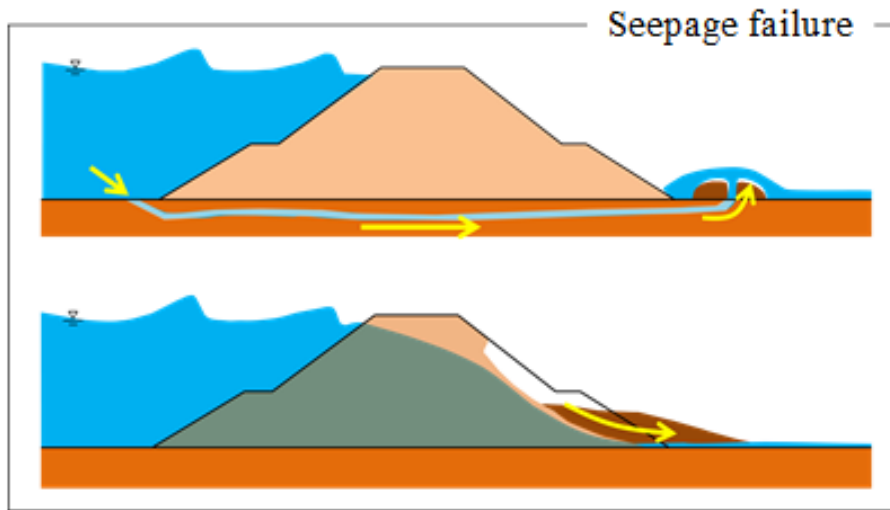
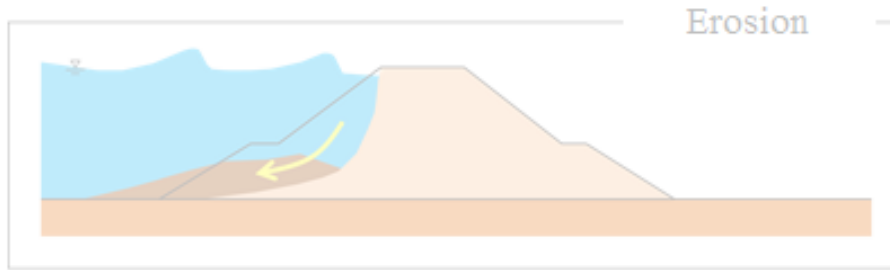
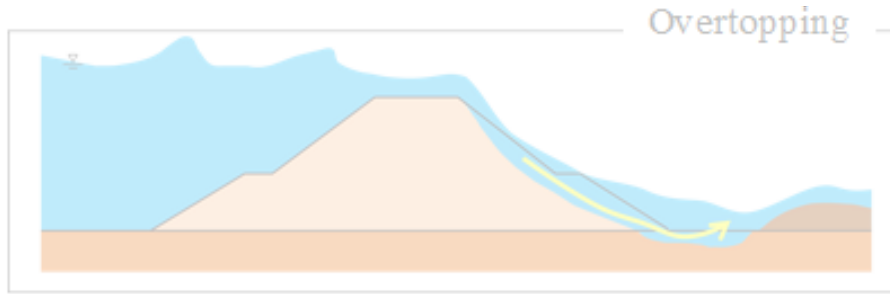


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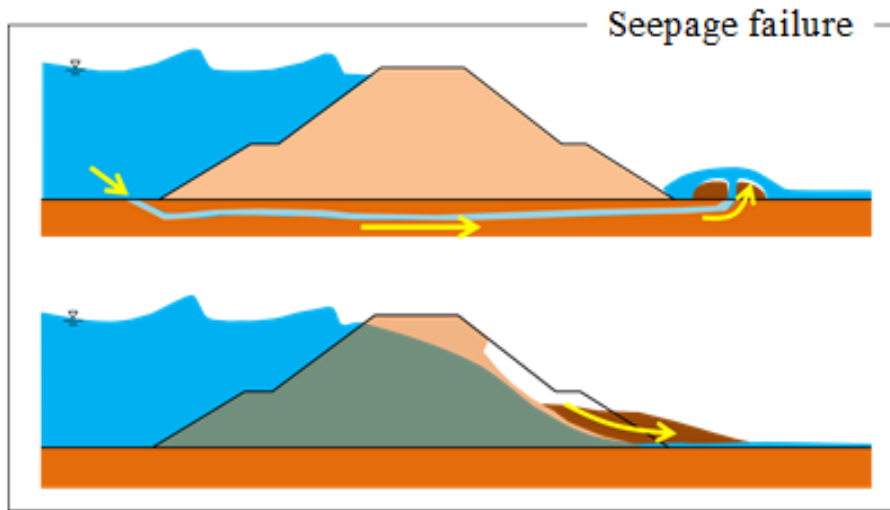
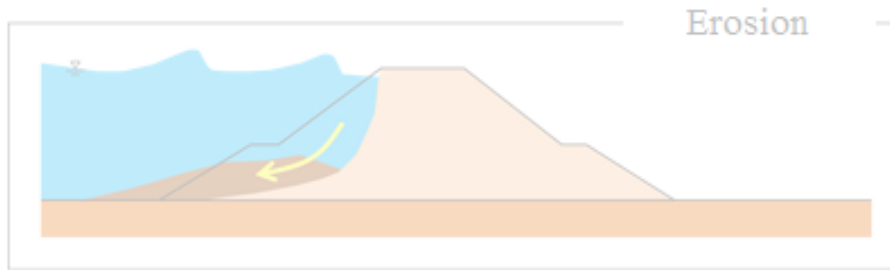
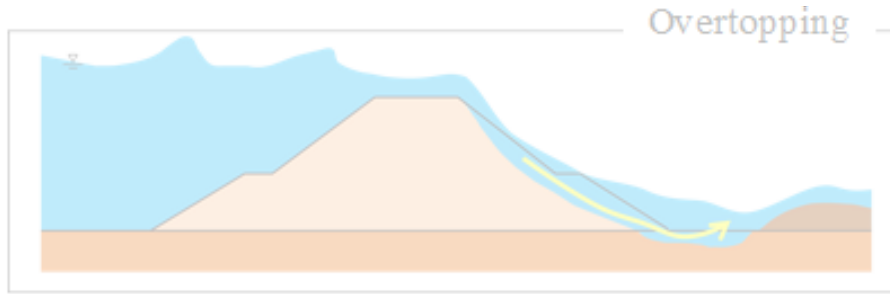
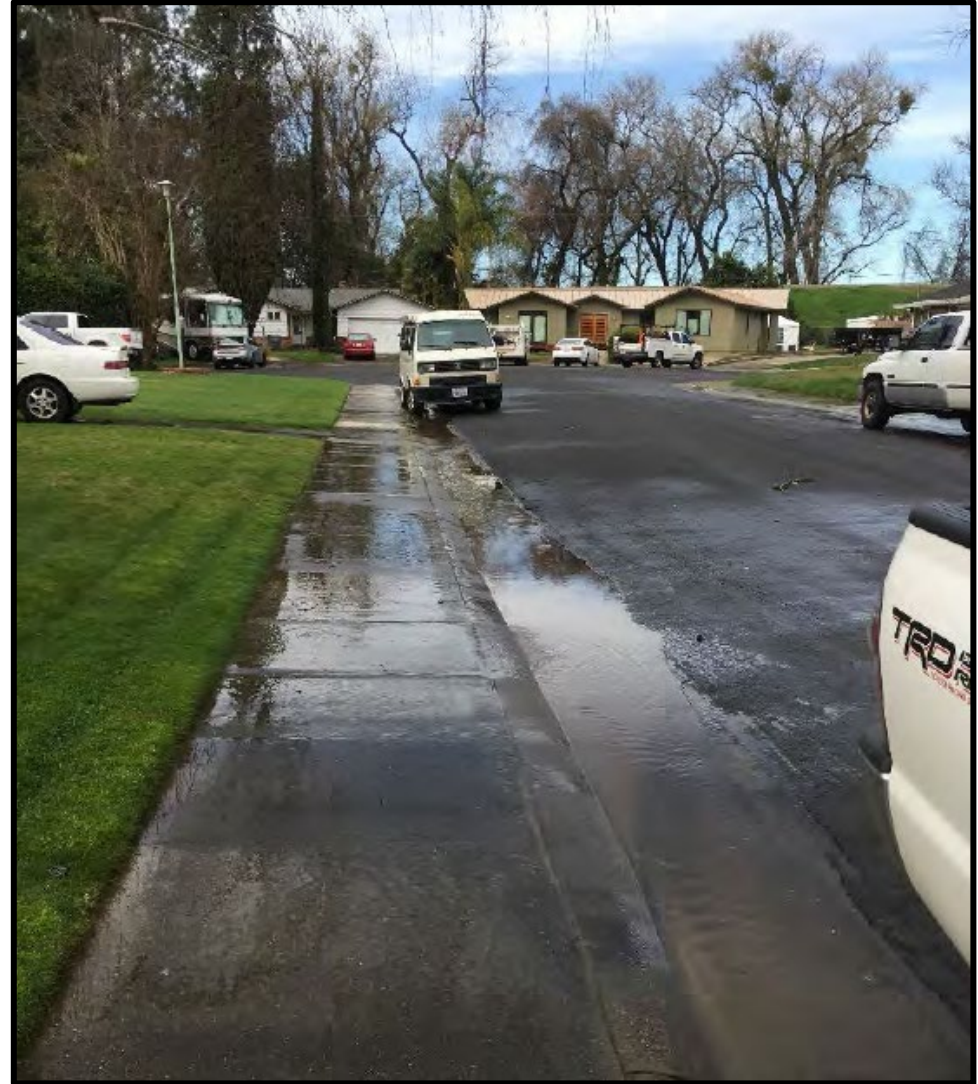


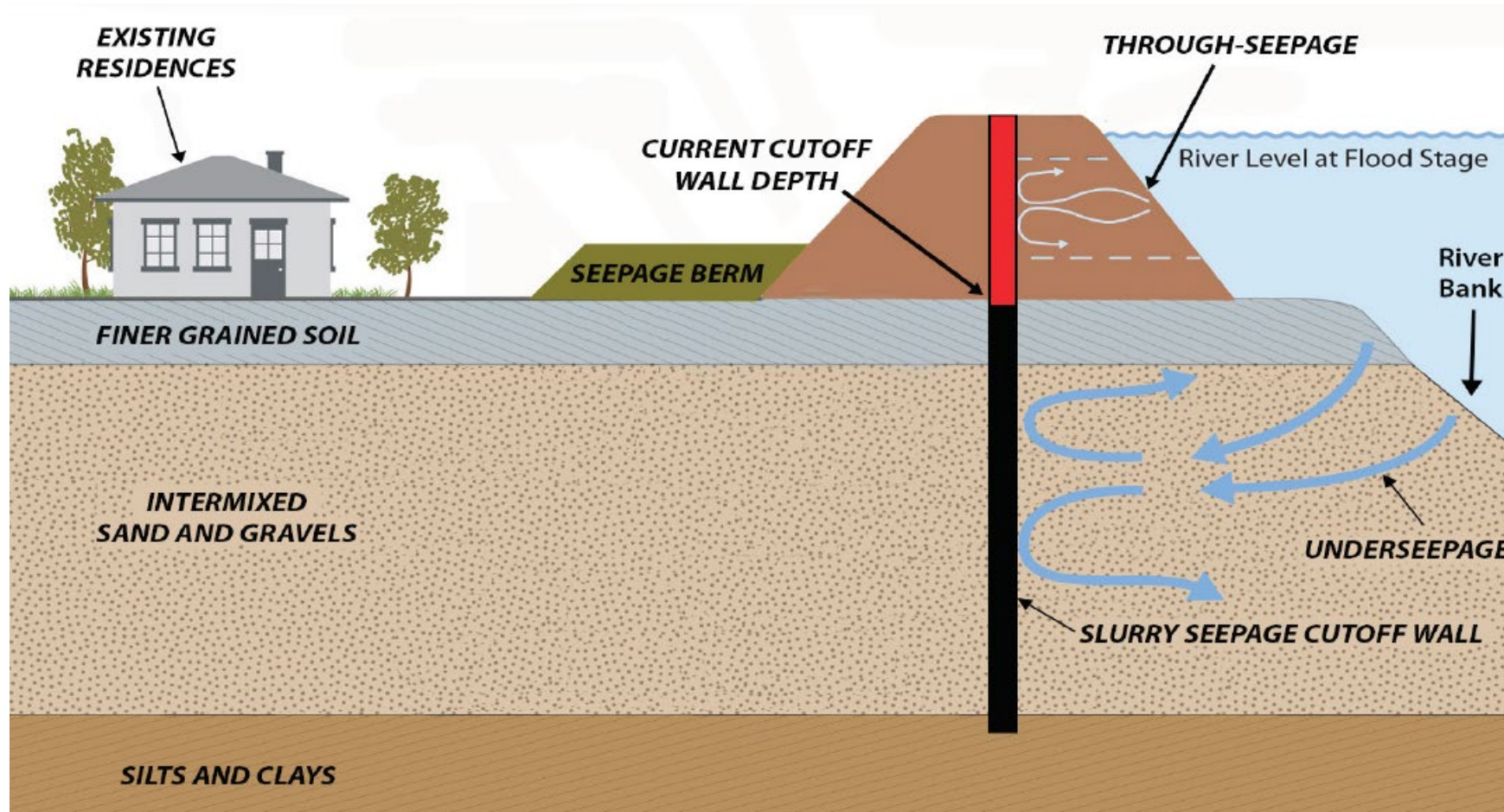
Image courtesy of PWRI Web Magazine



2017 Flood - Riverview Court, Little Pocket.

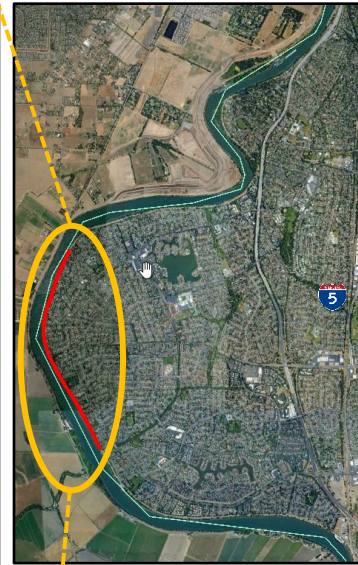
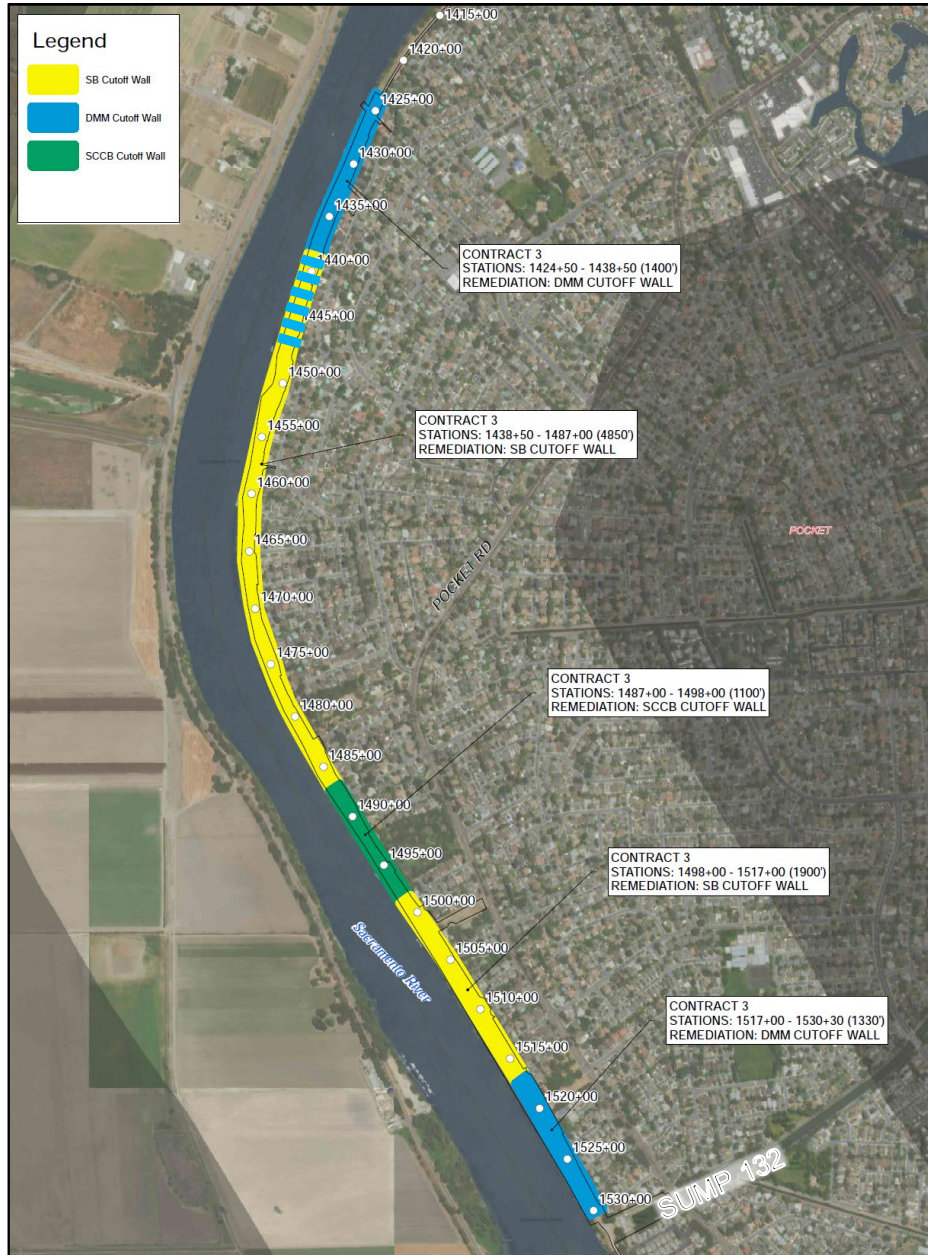


SEEPAGE & STABILITY ISSUES ADDRESSED





SREL CONTRACT 3 OVERVIEW



- 2.0 Miles of Seepage Cutoff Wall

2,730 LF DMM Wall

5,900 LF SB Wall

1,100 LF SCCB Wall

850 LF DMM or SB Wall

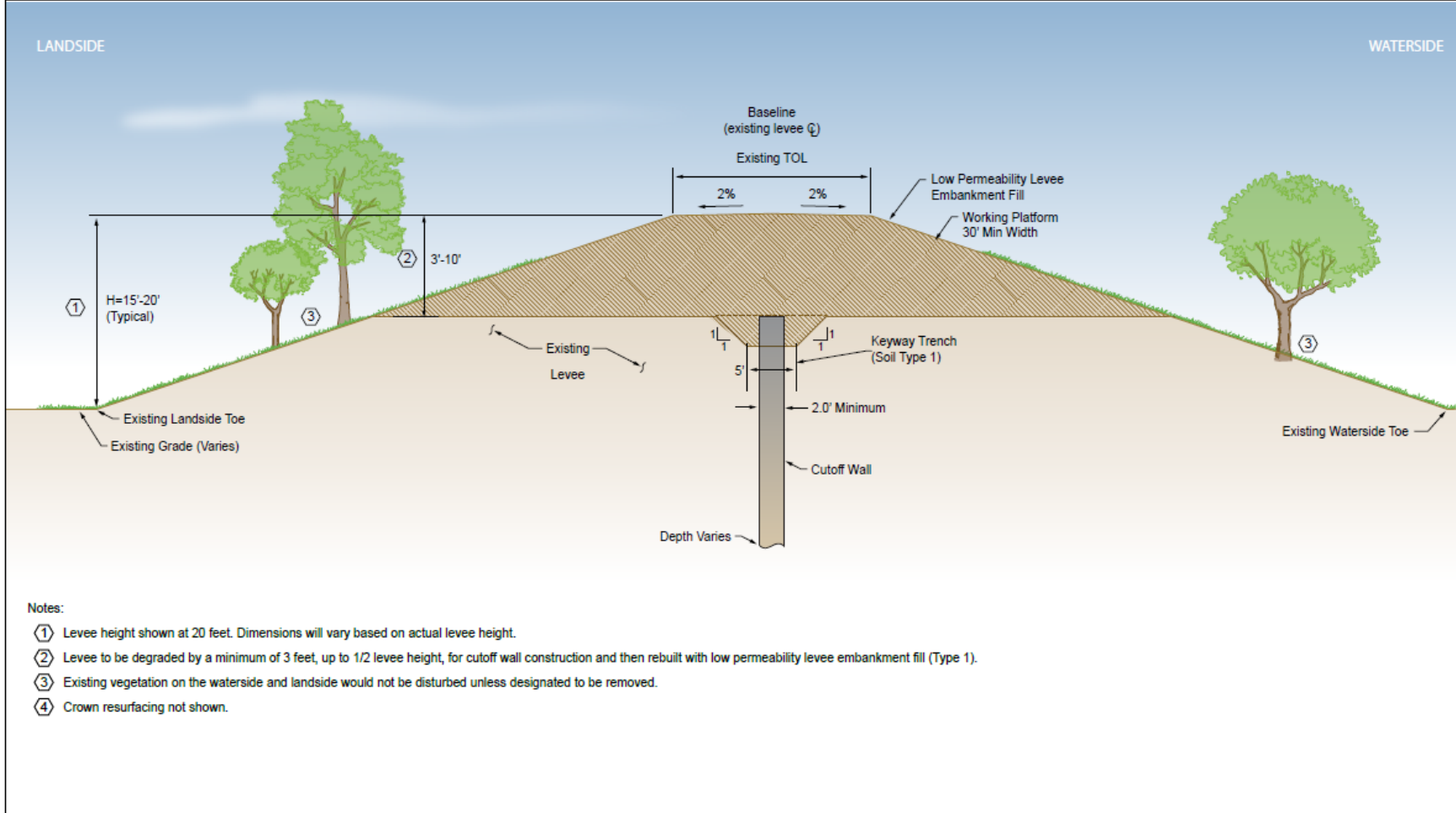
(Contractor's Option)



TYPICAL CUTOFF WALL CROSS SECTION



CONTRACT 3 CONVENTIONAL (OPEN TRENCH) AND DMM CUTOFF WALLS



Source: GEI & HDR 2014, adapted by GEI 2019



2020 Contract 1 SB Cutoff Wall Excavation



2020 Contract 1 SB Wall Material Mixing



TYPICAL DMM WALL CONSTRUCTION



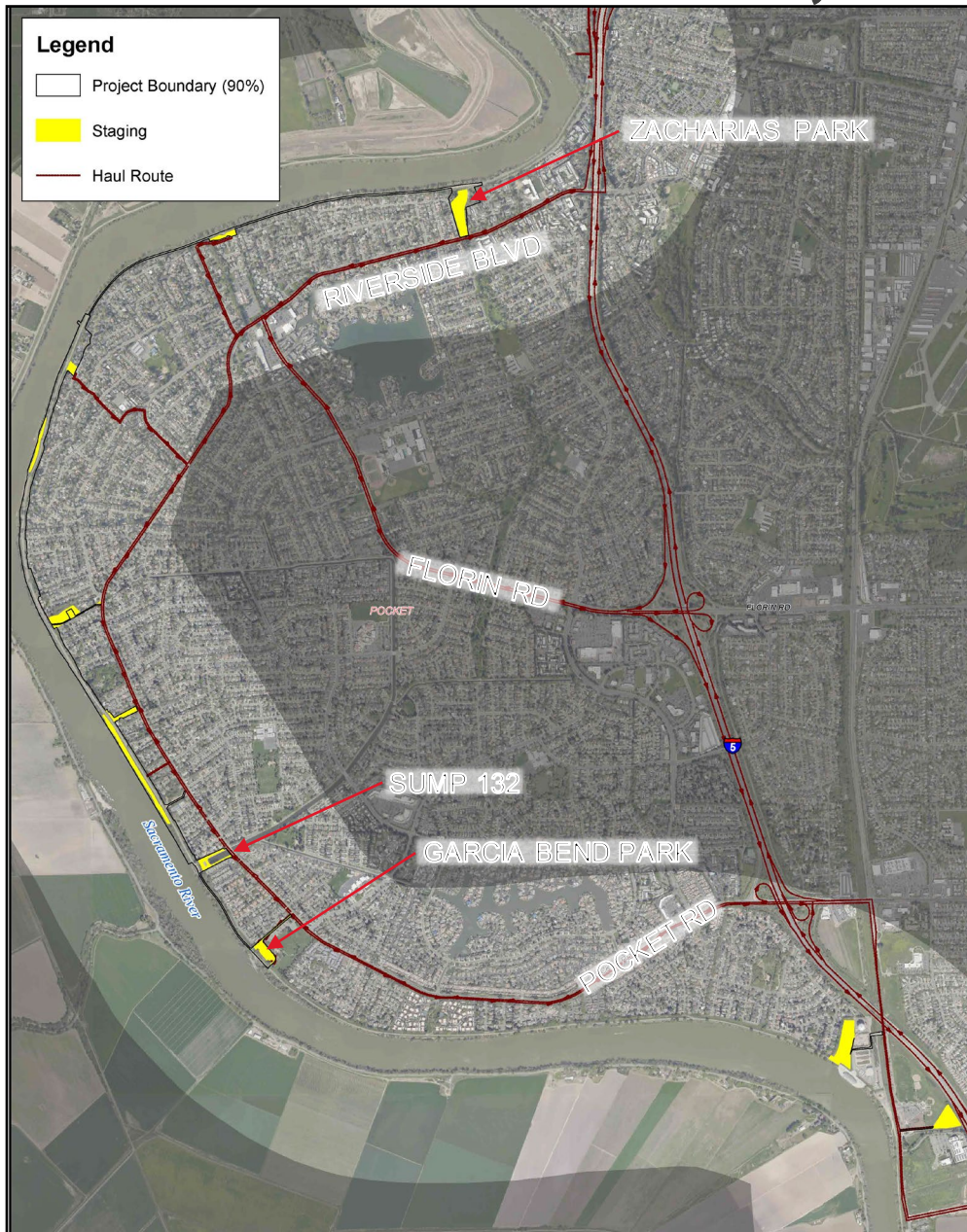
2020 Contract 1 DMM Wall Construction



2020 Contract 1 DMM Rig Augers



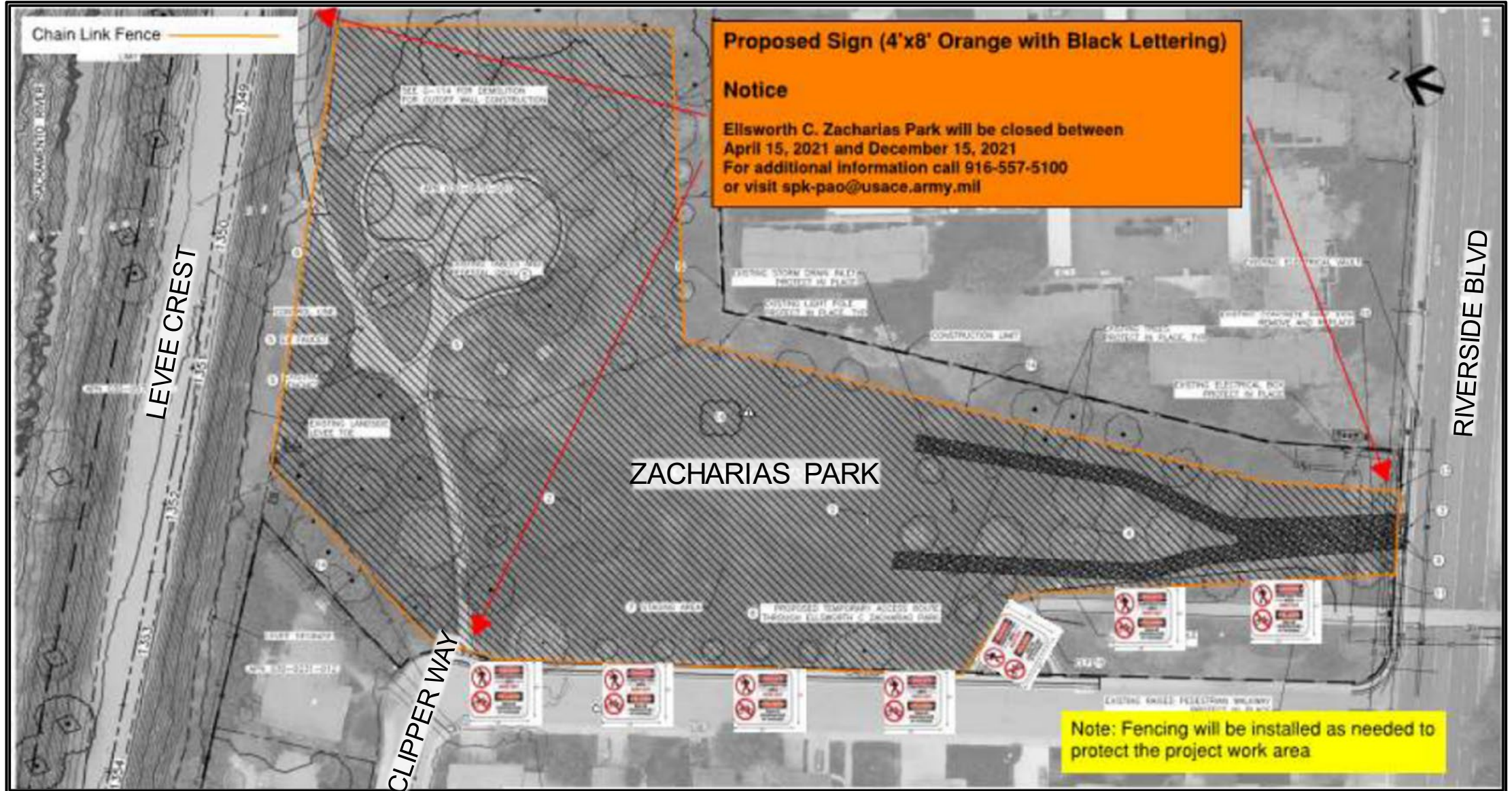
SREL C3 –ACCESS, STAGING, AND HAUL ROUTES



| MARCH – DECEMBER 2022 | |
|-----------------------|--|
| Cutoff Wall | 10,580 feet |
| Staging Areas | <ul style="list-style-type: none"> • Ellsworth Zacharias Park • North Point Way Greenspace • 6534 Benham Way • 7140 Pocket Rd • 290 River Isle Way • Interior Drainage Sump 132 • Garcia Bend Park • Freeport Intake Facility • Bill Conlin Sports Complex (Empty field) • 2 Waterside Staging Areas |
| Access Points | <ul style="list-style-type: none"> • Ellsworth Zacharias Park • North Point Way via Grangers Dairy Road • Benham Way via Park Riviera Wy/Pocket Rd/Riverbrook Wy • Pocket Rd • Axios River Ct • Interior Drainage Sump 132 • Garcia-Bend Park • Freeport Blvd |

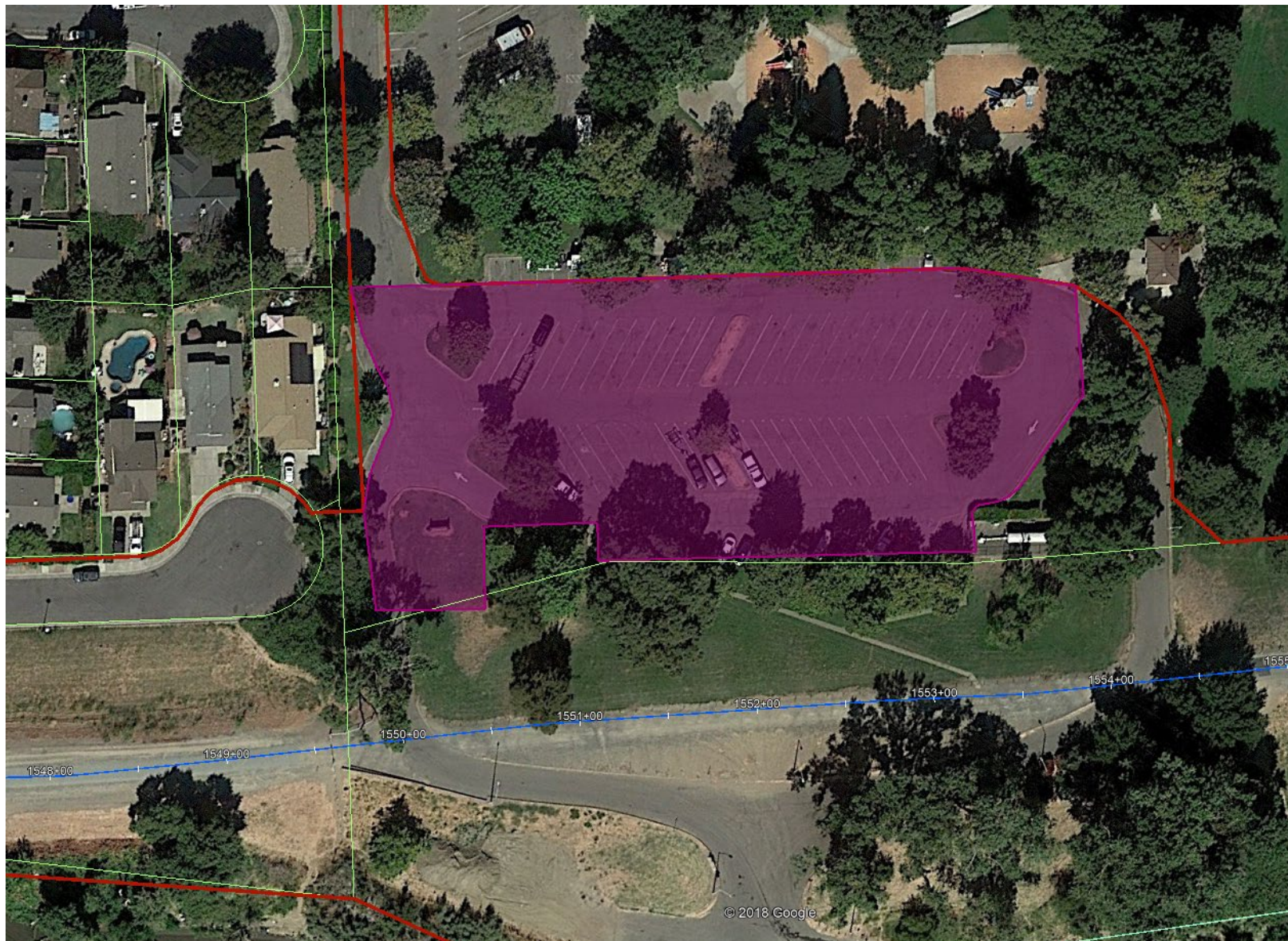


ZACHARIAS PARK STAGING AREA





GARCIA BEND PARK STAGING AREA



- Boat launch parking lot partially closed to the public
- Boat launch will remain open for the public's use
- Intermittent boat launch and levee crest bike trail closures during peak hauling periods



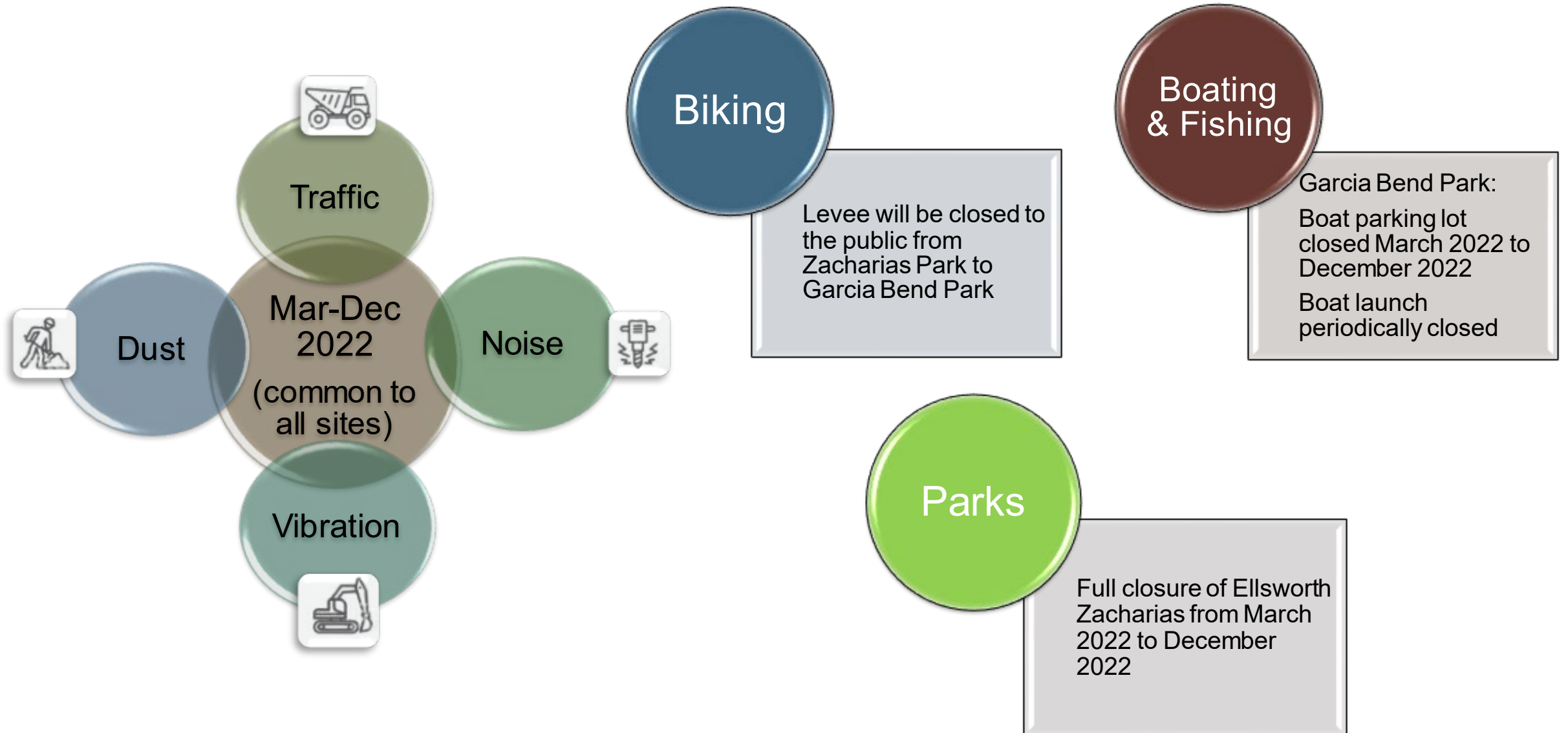
SUPPLEMENTAL EIR/EA

TOPIC AREAS ANALYZED



- Visual Resources
- Hydrology and Water Quality
- Vegetation and Wildlife
- Fisheries
- Special Status Species
- Cultural Resources
- Transportation and Circulation
- Geological Resources
- Air Quality
- Greenhouse Gas Emissions and Energy Consumption
- Noise
- Recreation
- Public Utilities and Service Systems
- Hazards and Hazardous Materials

IMPACTS



MITIGATION MEASURES



Detour Routes



Vibration Monitoring



Dust Control



Water & Air Quality Monitoring

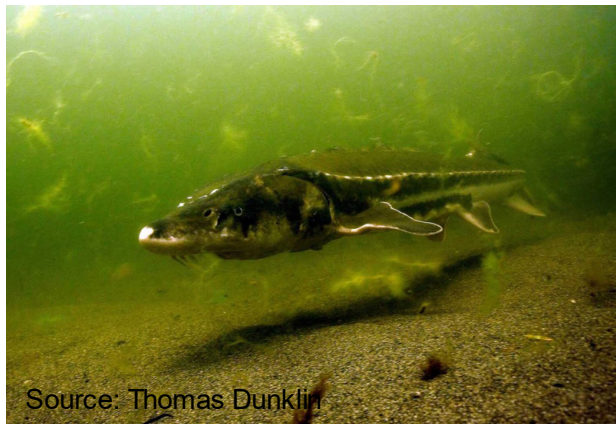
VEGETATION & WILDLIFE



Trimming and Removing Trees Outside of Bird Nesting Season and to Protect Bats



Creation of new habitat



No impact to fisheries



Comprehensive Monitoring by Qualified Biologists



HABITAT MITIGATION SITE COMPLETE



Beach Stone Lakes Mitigation Site (24.2 acres)

- Northern Woodland – 18.5 acres (YBCU)
- Southern Woodland – 5.7 acres (VELB and YBCU)
- Created in 2019



Photographs from Spring 2021



ANTICIPATED CONSTRUCTION SCHEDULE



Pre-construction (November 2021 - March 2022)


– Site prep, cut and trim trees

Site Construction (March 2022 - Fall/Winter 2022)

– Construct seepage/stability levee improvements



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US Army Corps of Engineers Sacramento District Website Website



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- [American River Levees](#)
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- [Sacramento Weir](#)
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Reducing flood risk in Sacramento

Greater Sacramento, California, is often considered to be the most at-risk region in America for catastrophic flooding, relying on an aging system of levees, weirs and bypasses and Folsom Dam to reduce its flood risk. But that system, just like a chain, is only as strong as its weakest link. Together, the U.S. Army Corps of Engineers, California's Central Valley Flood Protection Board, California Department of Water Resources, and the Sacramento Area Flood Control Agency have made tremendous progress in reducing the flood risk, but more work remains. Through the Bipartisan Budget Act, the Corps has received full upfront funding to modernize Sacramento's aging flood infrastructure. This allows us to more efficiently implement nearly \$1.8 billion in upgrades to Sacramento's flood risk management system. The authorized work includes up to: 13 miles of seepage cutoff walls, 21 miles of bank protection, 5 miles of levee stabilization, 5 miles of levee raises and widening the Sacramento Weir and bypass.

Current Project Activities

Sacramento River East Levee Contract 1 Construction

sacleveeupgrades.com



NEPA/CEQA COMMENTS



Draft Supplemental EIR/EA is available at:

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HOW TO PROVIDE COMMENTS



1. Write:

Kalia Schuster
Department of Water Resources
3464 El Camino Avenue Room 150
Sacramento, CA 95821

OR

Public Affairs Office
U.S. Army Corps of Engineers
1325 J Street Room 1513
Sacramento, CA 95814

2. Email:

PublicCommentARCF16@water.ca.gov

spk-pao@usace.army.mil

use “SREL Contract 3 SEIR/SEA” in subject line