

UPDATE ON LEVEE PROJECTS



Live Oak City Council
November 1, 2017



SBFCA REPRESENTATIVES

- Mike Inamine, Executive Director
- Kim Floyd, Public Outreach Manager
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 - (530) 870-4425



OVERVIEW

- What is SBFCA?
- Current Projects
- Emergency Levee Repairs
- Funding
- Q&A



WHAT IS SBFCA?

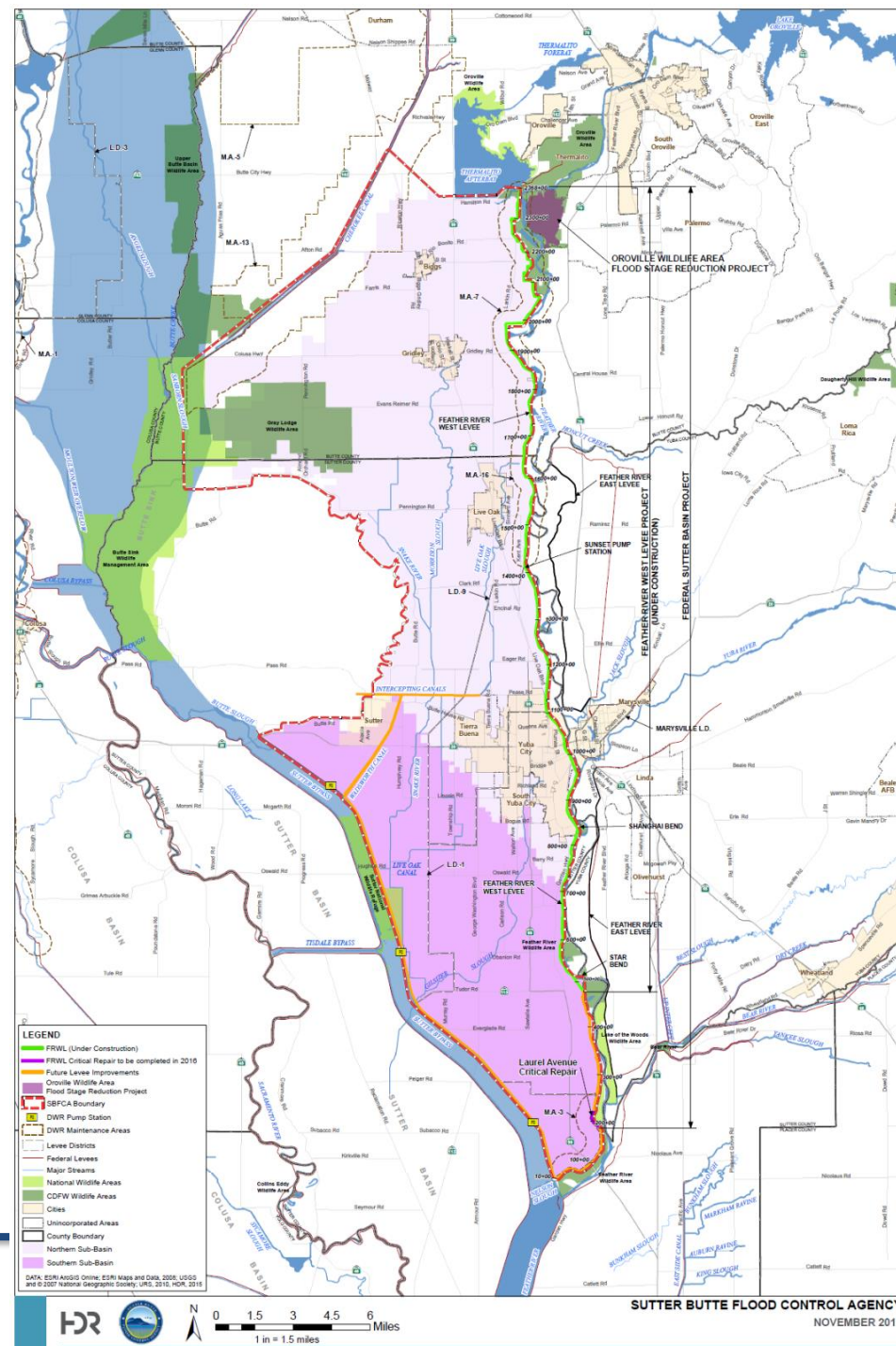
- Formed 2007
- Joint Powers Authority
 - Counties of Sutter & Butte
 - Cities of Yuba City, Live Oak, Biggs & Gridley
 - Levee Districts 1 & 9



SBFCA Goals

1. 200-yr protection for Yuba City and north
2. 100-yr protection or equivalent for remainder of Basin to the south
3. Strategic Plan

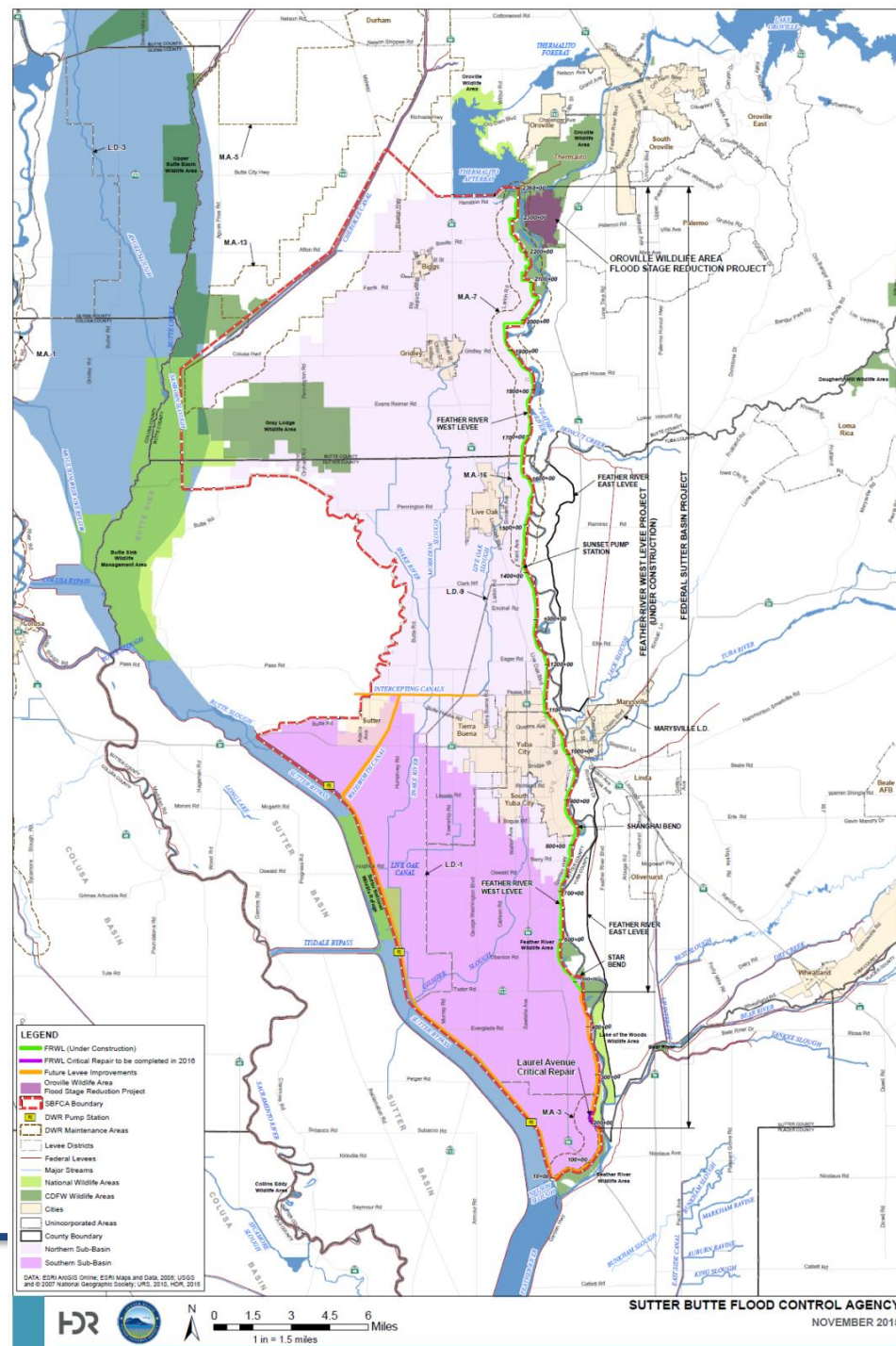
Property assessment adopted in 2010 based upon this concept, and anticipation of 71% State funding



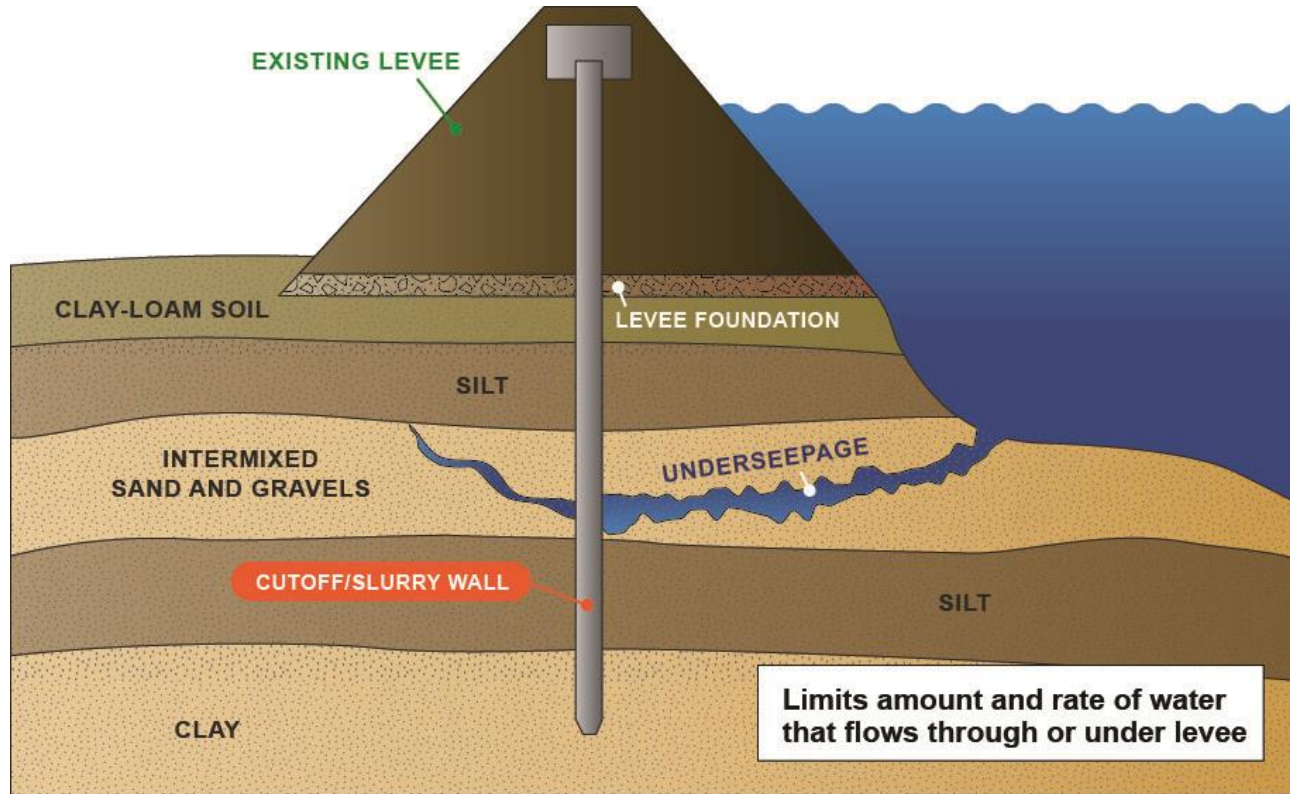
Feather River West Levee Project 1

Thermalito Afterbay to Star Bend

- Rehabilitate 36 miles of levee
- Design/Permitting began in late 2010
- Construction: August 2013 to December 2017
- \$298 million total cost
 - 76% State Bond 1E funding
 - Does not include 2017 flood fights and emergency repairs



PRIMARY REPAIR METHOD FOR THROUGHSEEPAGE AND DEEP UNDER-SEEPAGE

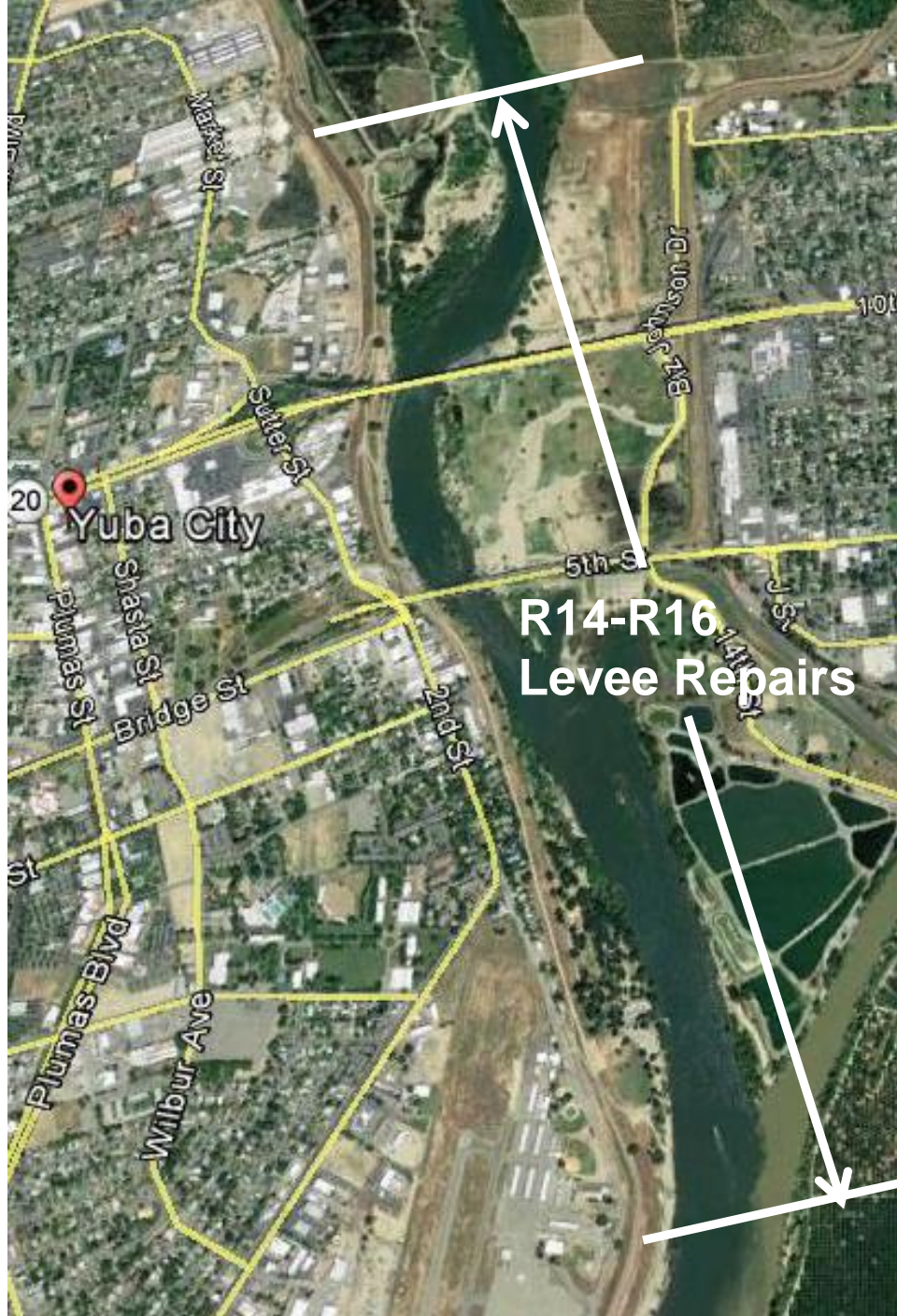


SLURRY WALL



YUBA CITY EMERGENCY LEVEE REPAIR

- 2.9 mile levee reach
- Reaches 14-16
- Deep underseepage deficiencies
- Slurry wall remediation
- \$28.5 million total cost
- 4 month expedited construction
- USACE 408



AERIAL VIDEO



Levee 2.5 (Aerial Video of Rch 14-16).mp4



LEVEE CONSTRUCTION SCHEDULE/SEQUENCING

- *Work started July 31, 2017*
- Completed Work: Surveys, exploration, residence surveys and relocation, site preparation, mobilization, levee degrade, 24/6 slurry wall placement
- Cutoff Wall Settlement Period (21 days) – October 7–28
- Levee Reconstruction – Sept/Oct/Nov (5–6 weeks)
- *Major construction work to be completed by December 1*
- Erosion Control, Site Restoration – November/December



OTHER PROJECTS

- Laurel Avenue Critical Repair Project
- Oroville Wildlife Area Flood Stage Reduction Project
- DWR Small Communities Grant
- **SBFRMP (federal project): Star Bend to Cypress Avenue**
- RoW, mitigation, 200-year certification, OMRRR turnover, encroachment permits and other closeout work for the FRWLP and SBFRMP
- FEMA mapping
- *2017 High Water Flood fight*
- *Oroville Stakeholder Coalition (Gallagher/Nielsen)*
- *Legislation/Funding: levee and flood projects*



STATE FUNDING

- 2010 State Cost Share Estimate for FRWLP: 71%, or \$172M
- State Cost Share on FRWLP: 76%, or \$223M
- 2017 State Funding Committed to date: \$253M
- Funding committed for 2017 flood event
 - \$5M flood fight Star Bend to Laurel and Yuba City
 - \$25M emergency repair in Yuba City
 - Approximately \$2.5M DWR repair of 5th Street waterside erosion and underseepage near Highway 99



FEDERAL PROJECT

- Star Bend to Cypress Avenue (+/-5 miles)
- Congress authorized in 2015
- Seeking 2018 Congressional Appropriation/Construction Start
- Starting work on design, environmental and right-of-way
- \$70.5 million
 - Federal Cost Share: \$48.8 m
 - State/Local: \$26.2 m



PUBLIC INFORMATION

- SBFCA Hotline: (530) 870-4425
- kim@floydcommunications.com
- SBFCA website: www.sutterbutteflood.org
- SBFCA Board Meetings
 - 1 PM, 2nd Wednesday of each month
 - Board agendas, packets, minutes & video
 - Finance Committee meetings
- Emergency Repair Tour Saturday, December 2, 2017
 - Tours throughout the day: 9AM, 11AM, 1PM
 - Email sallyserger@yahoo.com or call (530) 673-2357



QUESTIONS?

