

Paradise Cut Symposium

Meeting Overview

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Project Location



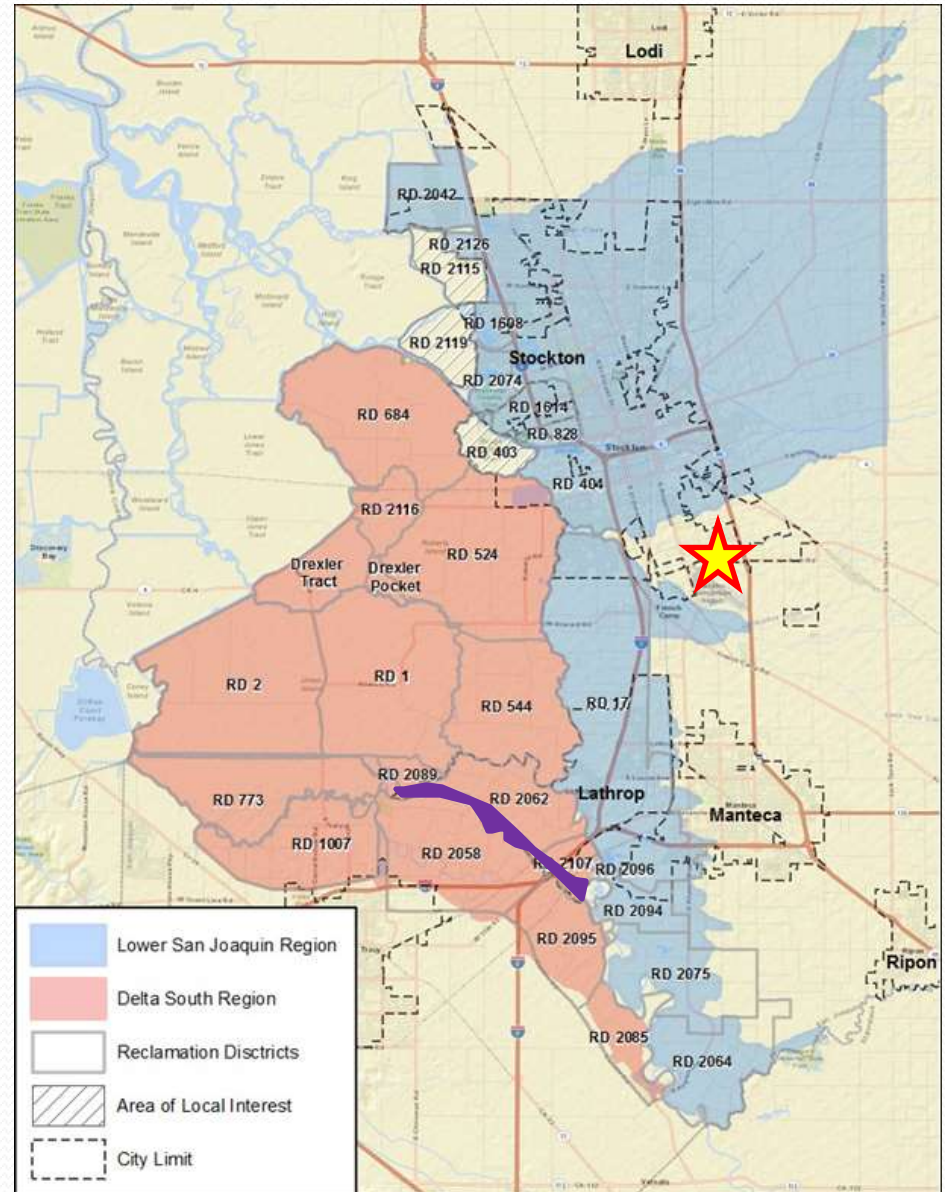
December 2013 Symposium

- Held as part of the Lower SJ River/Delta South RFMP
- Purpose - learn how other planning efforts are considering an expansion of Paradise Cut
- Model heavy
- Agreed to hold second symposium

--Continued work on draft RFMP--

Orientation

- RFMP = two regions
- San Joaquin River divides regions
- Paradise Cut influences flows in both regions
- Paradise Cut expansion to the north = the “base case”
- Consider additional expansion to the south



14 Small Group Meetings - RFMP

- Discussed potential projects
- Asked for level of interest for Paradise Cut expansion
- Input varied; positive → neutral → concern/skepticism
- No major objections, except for new flood storage on Fabian Tract
- No champion stepped forward to lead expansion of Paradise Cut to the south

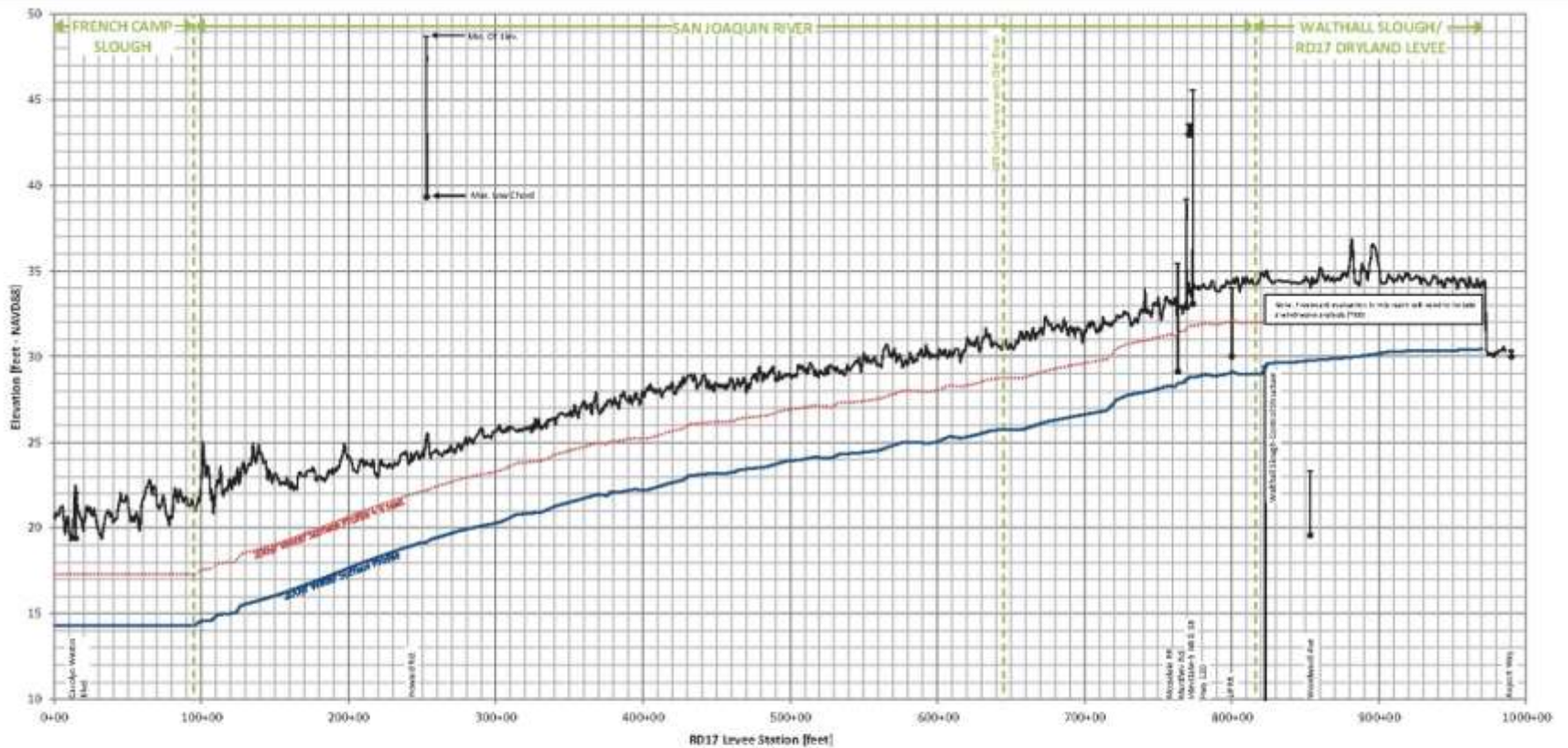
What's in Draft RFMP?

For expansion of Paradise Cut:

- No specific objectives for size or flow
- Support for “Base Case”
- Support continuing evaluation
- Support for concept of further expansion to south
 - Flood system resiliency
 - Terrestrial habitat

Draft RFMP Conceptual Support

- Weir widening
- Set back levees to south
- Breach existing levees
- New levee to USACE/DWR standards (no vegetation)
- Mitigate impacts
- No new downstream flood storage
- No weir lowering
- Includes \$\$, but lower implementation priority
- New climate change hydrology may alter everything



LEGEND

- RD17 Top of Levee (2014 KSN Survey)
- Stream Junction
- Bridge (Max. Low Chord; Min. DT Elev.)
- PBI 200yr WSP
- PBI 200yr WSP + 3 feet

CITY OF LATHROP/MANTECA - 200-YEAR PLAN

200-year Water Surface Profile
along the RD17 Levee Alignment
-EVALUATION OF FREEBOARD-



MAY 16, 2014

FIGURE 27

Discussions Today

- More on-the-ground than from Symposium No. 1
- Could modify concepts for Paradise Cut in Draft RFMP
- Will inform future investigations

Better definition now for Paradise Cut = better chance that future studies can deliver.

Questions?

RD 17 Freeboard Analysis - 2014

Analysis for RD17 Levees (*Cities of Lathrop & Manteca, May 2014*)

- HEC-RAS based on CVFED TO25 model
- Uses CVHS hydrographs
- Calibration refinement using 2006 event gage data
- No climate change hydrology
- Peer reviewed
- Currently being used for levee design

Unresolved Issue Discussion

- Footprint
- Weir configuration
- Bridges (debris or?)
- Hydraulic impacts
 - Water stage
 - Erosion
 - Levee geometry
 - Seepage
 - Sedimentation
 - Water diversion infra.
 - Maintenance costs
 - Water quality
- More stakeholders (export facilities +)
- Ecosystem objectives
- Ecosystem impacts
- Change in flow splits
- Compensation for landowner losses
- Permitting (408 +)
- How to stay informed
- \$\$\$ & cost-share
- Others from participants

Next Steps

- Prepare & post notes on SJAFCA web page
 - Summarize discussions
 - To do list?
- Modify Draft RFMP as needed
- Stay involved in continuing studies [BWFS for example]
 - Periodic meetings
 - Review/comment on interim products
 - Another symposium at key milestone?
- Reconsider with new climate change hydrology