Background

- September 20, 2016 Reviewed Methods and Sites Identified to Date
- Briefly Discussed Sites of Concern
  - Paradise Bend to Howe Avenue (about 7 sites)
  - RM 2.8 (Bell Marine)
  - RM 10.2
- Propose to Move Forward with Paradise Bend to Howe
Initial Sites of Interest
Sites

- Subreach 2.2 R (Outside Paradise Bend)
- Subreach 2.2 L (Inside Paradise Bend)
- Subreach 2.1 R (Golf Course)
- Subreach 2.1 L (~H Street to Paradise Bend)
- Subreach 3.3 R (1986 Scour Site)
- Subreach 3.3 L (H Street to Fairbairn)
- Subreach 3.2 R (Erosion Downstream Howe)
Subreach 2.2

- Depositional Reach
- Potential for chute cut-off on inside of bend
- Oversteepened banks on outside of corner.
- Variable bank material
Subreach 2.1
Subreach 2.1

- Depositional Reach
- Existing mid-channel bar creating local scour
- Erodible right bank material
- High velocities along left bank levee
- Paradise Bend cut-off could lower bed, increase velocities
Subreach 3.3

- Sediment Pass-through reach
- Left Bank SAFCA site 4.
- “Narrow” width, potential for erosion of right bank.
- 1986 Erosion on Right Bank
- ESP shows potential overbank erosion
- Exposure of Erosion Resistant Layer at Guy West may limit impact of cut-off
Subreach 3.2

Lower American River Bank Protection Working Group

Lower American Leveed Section: Reaches and Subbreaches

Figure 6.1

SCALE - 1:12,000
0  500  1,000 Feet

Job: 5001774
Date: OCTOBER 2016

Water resource specialists
Subreach 3.2

- Artificially widened depositional reach
- Erodible bank materials
- Erosion site 7.5 R below Howe Ave
- Widening of channel in subreach 3.3 could reduce deposition.
Questions?