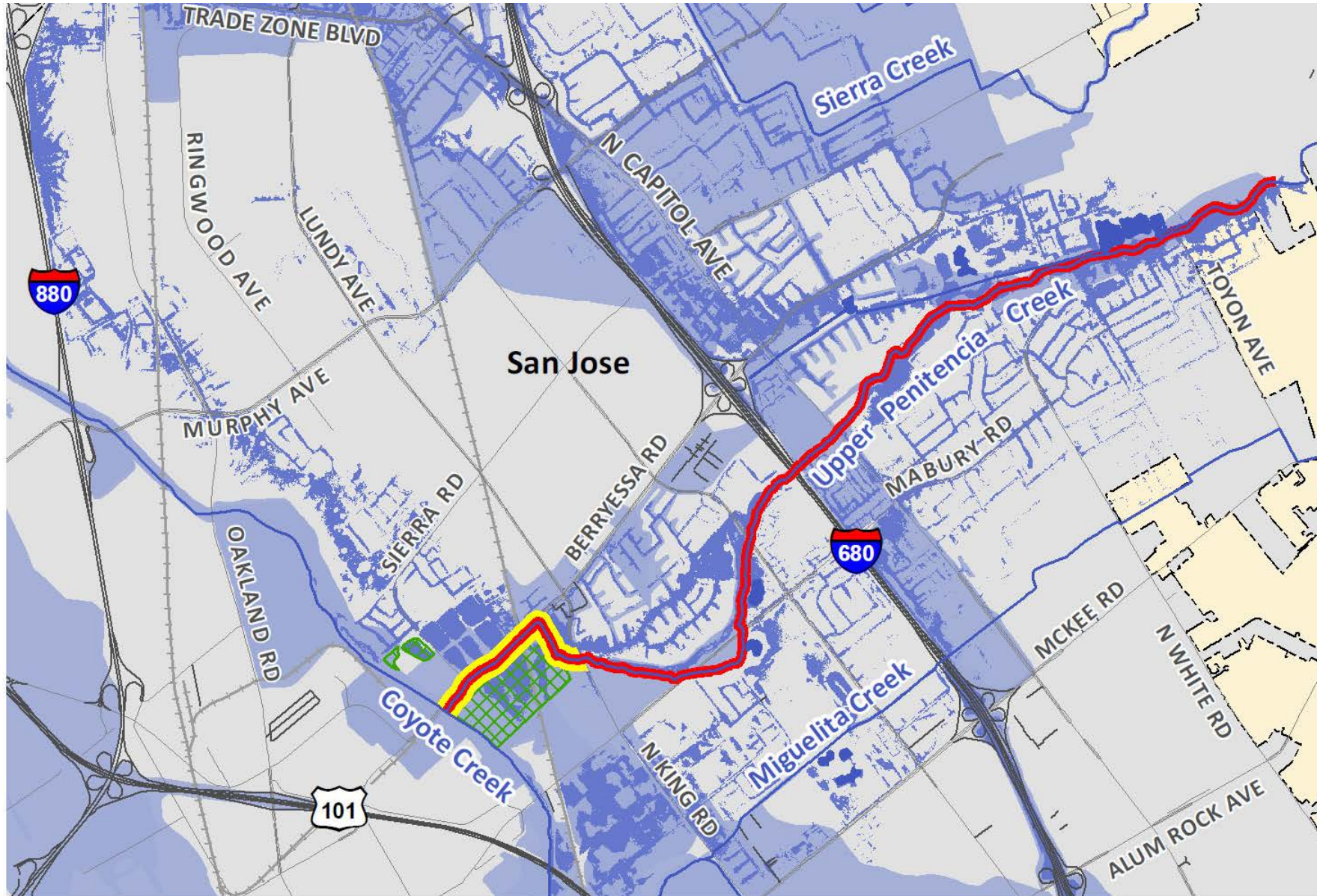




Upper Penitencia Creek Flood Protection Project

8,000 parcels in 1% floodplain and history of repeated flood events

2



- Preferred Project (KPI #1)
- Locally Funded Only Project (KPI #2)
- Locally Funded Project Improvement Area
- 1% Flood Protection Zone (As of 2012)
- Updated 1% Flood Risk Zone

About the Project

- With federal and local funding: construct a flood protection project to provide 1% flood protection to 5,000 homes, businesses and public buildings
- With local funding only: Acquire all necessary rights-of-way and construct a 1% flood protection project from Coyote Creek confluence to King Road.
- **Benefits:**
 1. Flood protection
 2. Ecological restoration
 3. Recreation enhancement
 4. Water supply preservation

Current Status

- Remaining project allocation for design & construction: \$42 million
- Landscape Vision concepts developed with SFEI-led stakeholder process
 - In-Channel work – widen, restore and setback levees
 - Off-Channel work – flood detention and stormwater capture
 - Other: Limited floodwalls and bypasses
- City/County Tri-Party Collaboration – Public land
- Public input solicited through planning process
- Key Constraint – Cannot increase flows downstream to Coyote Creek

Recommended Project: Phased Approach

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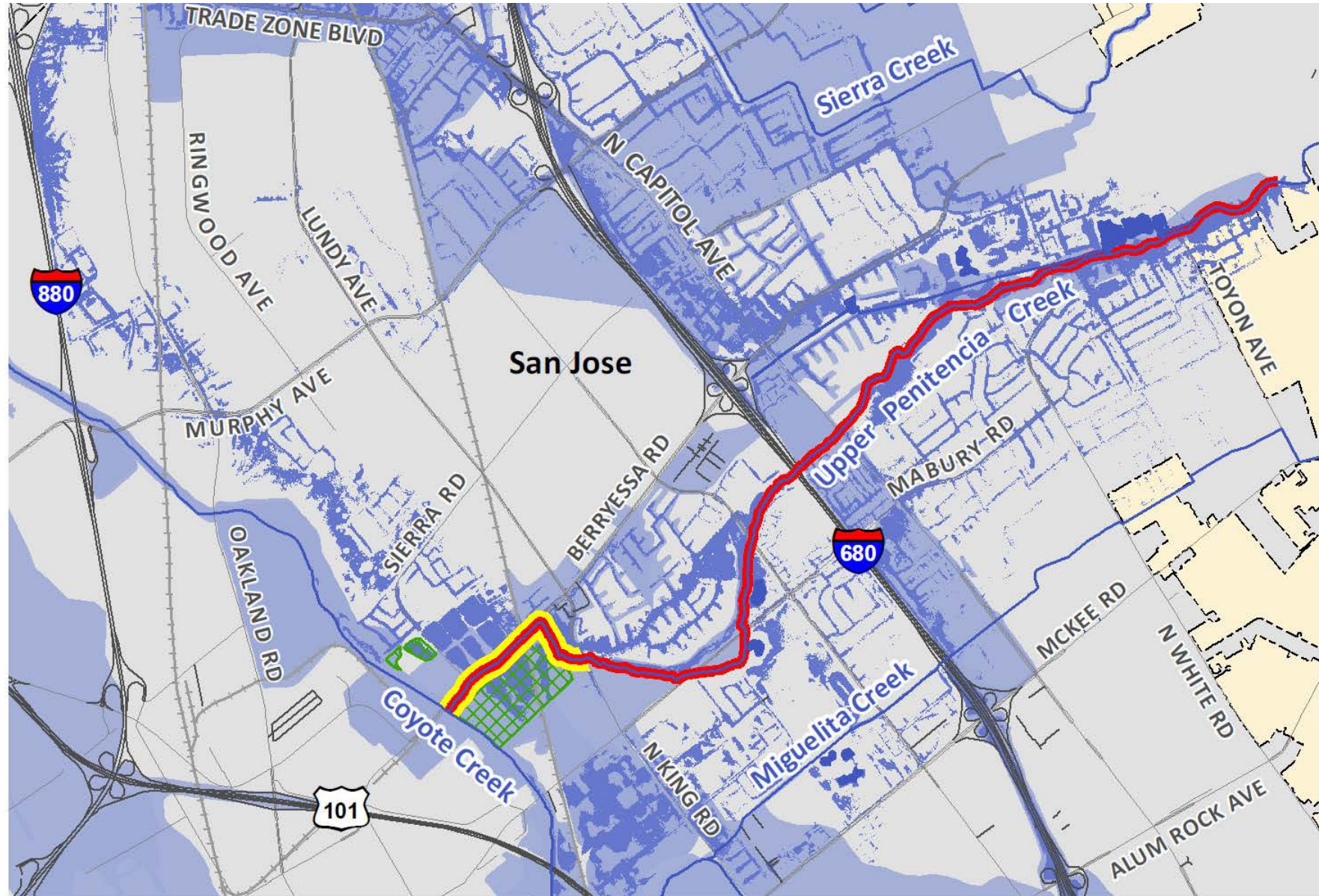
Phase I – Reach 1 (Coyote to King Rd; Local funding only KPI)

- Widen bank to provide additional channel capacity and stream restoration
- \$17 million capital and \$145,000 annual maintenance cost
- Phase I to protect 450 parcels from 1% flood including the BART Station

Phase II – Reaches 2 & 3 (King Rd to Capital Ave)

- Channel widening, stream restoration, short setback levees and floodwalls
- \$7 million capital and \$165,000 annual maintenance cost
- Phases I and II to protect 1,250 parcels from 1% flood including BART Station

Upper Penitencia Creek Project stretches 4.2 miles



- Preferred Project (KPI #1)
- Locally Funded Only Project (KPI #2)
- Locally Funded Project Improvement Area
- 1% Flood Protection Zone (As of 2012)
- Updated 1% Flood Risk Zone

Recommended Project...Cont.

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Phase III – Reaches 4-7 (Capital Ave to Dorel Dr)

- \$43 million capital and \$300,000 annual maintenance cost (capital costs depend on plans and land use agreements with San José and County for flood detention)
- Phases I through III to protect all 8,000 parcels at risk of 1% flooding

QUESTIONS

