

Upper Penitencia Creek Project: Flood risk reduction, recreation, water supply & creek habitat benefits

Your Safe, Clean Water and Natural Flood Protection Program vote at work.

Public Meeting

Tuesday October 2, 2018

6:30 – 8:30 p.m.

Santa Clara Valley
Water District



Meeting materials

Facebook audience: The meeting materials for tonight's meeting are available on the project's webpage:

<https://valleywater.org/upper-penitencia-creek>

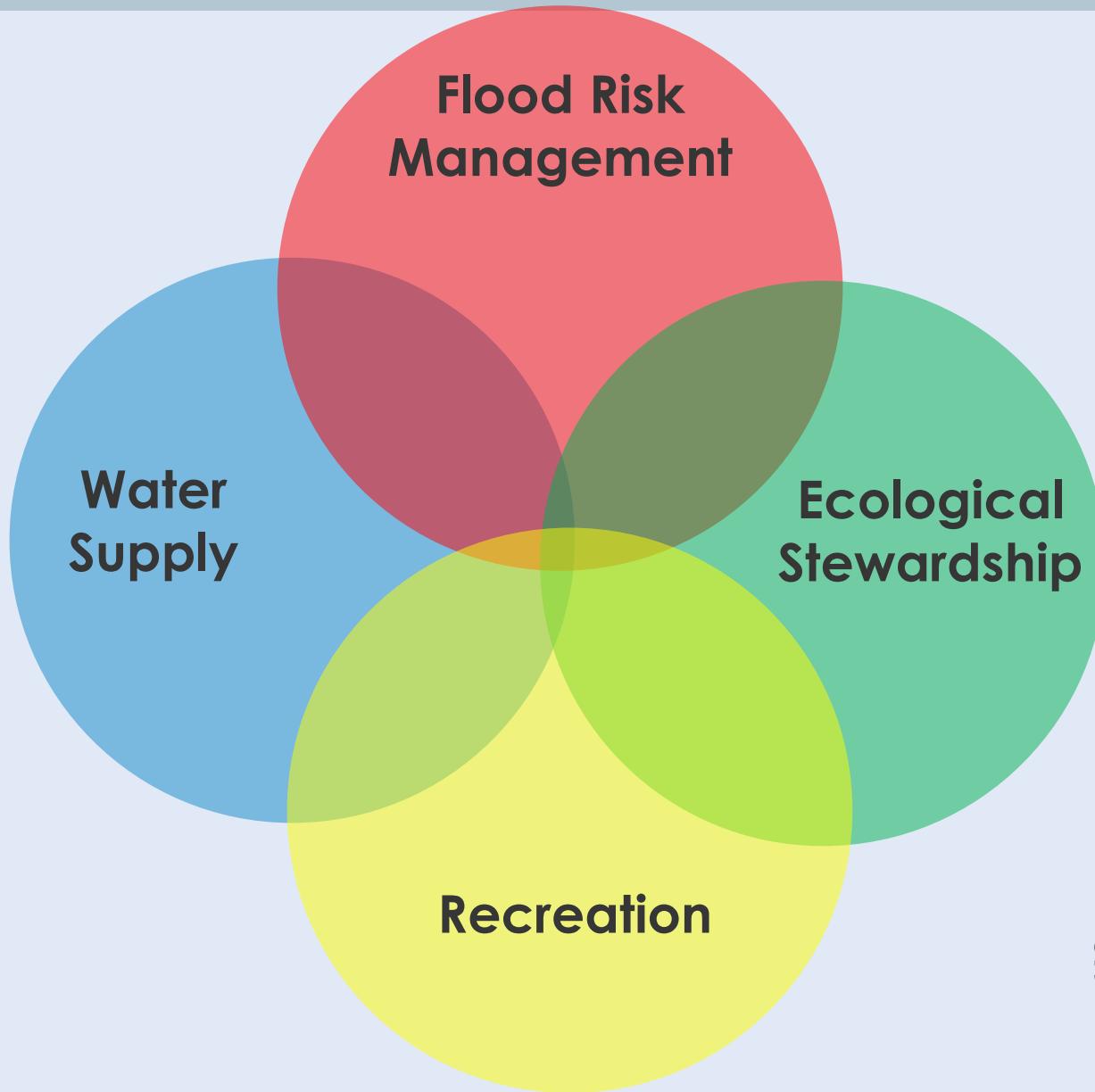
Agenda

- Check-in and refreshments
- Welcome & Introductions
- Upper Penitencia Creek Project presentation
- Community Q&A
- Individual group discussion and feedback
- Group report out
- Next steps
- End meeting

Project Presentation

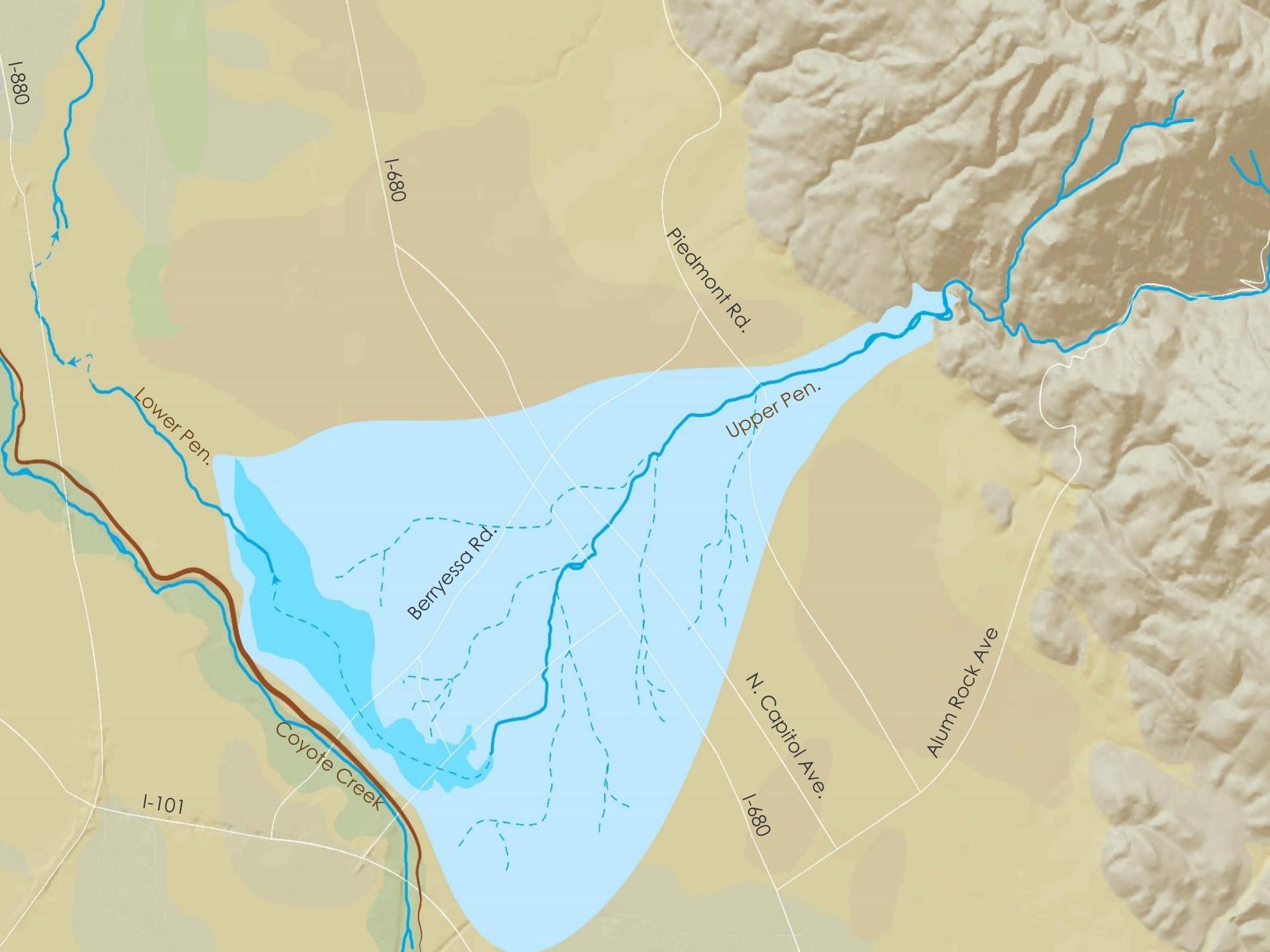
- ▶ Multi-Benefit Approach
- ▶ Watershed
- ▶ Landscape Vision Process
- ▶ Problems & Opportunities
- ▶ Project Concepts
- ▶ Alternative Analysis

Multi-Benefit Project



Landscape Vision Process with SFEI

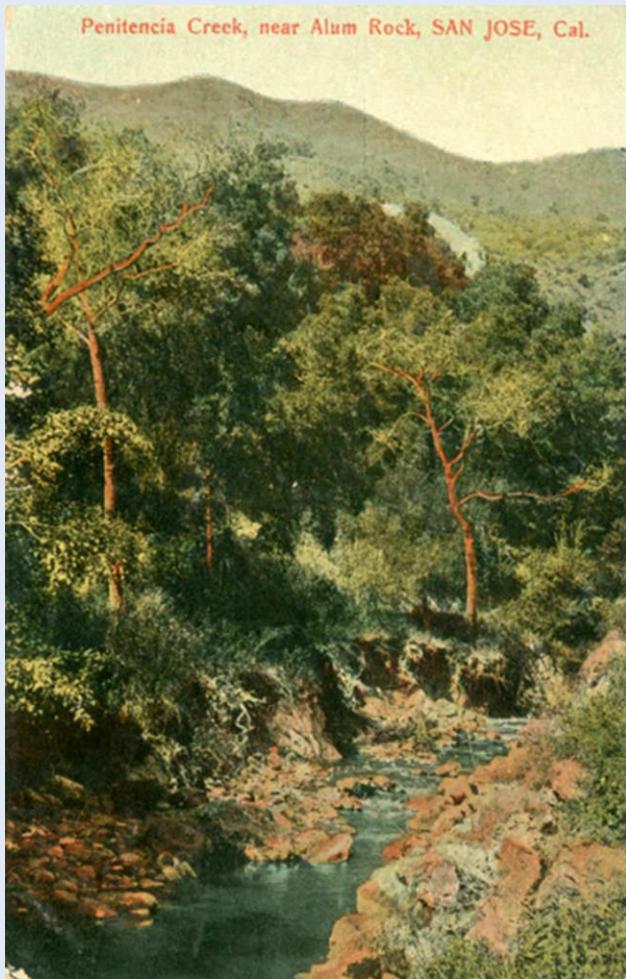
- ▶ Multi-Objective
- ▶ Science advisors workshop
- ▶ District charrettes
- ▶ Partner charrette
- ▶ Science Advisors – Workshop 2
- ▶ **Public Meeting** ←
- ▶ Finalizing Report – Concept Plan

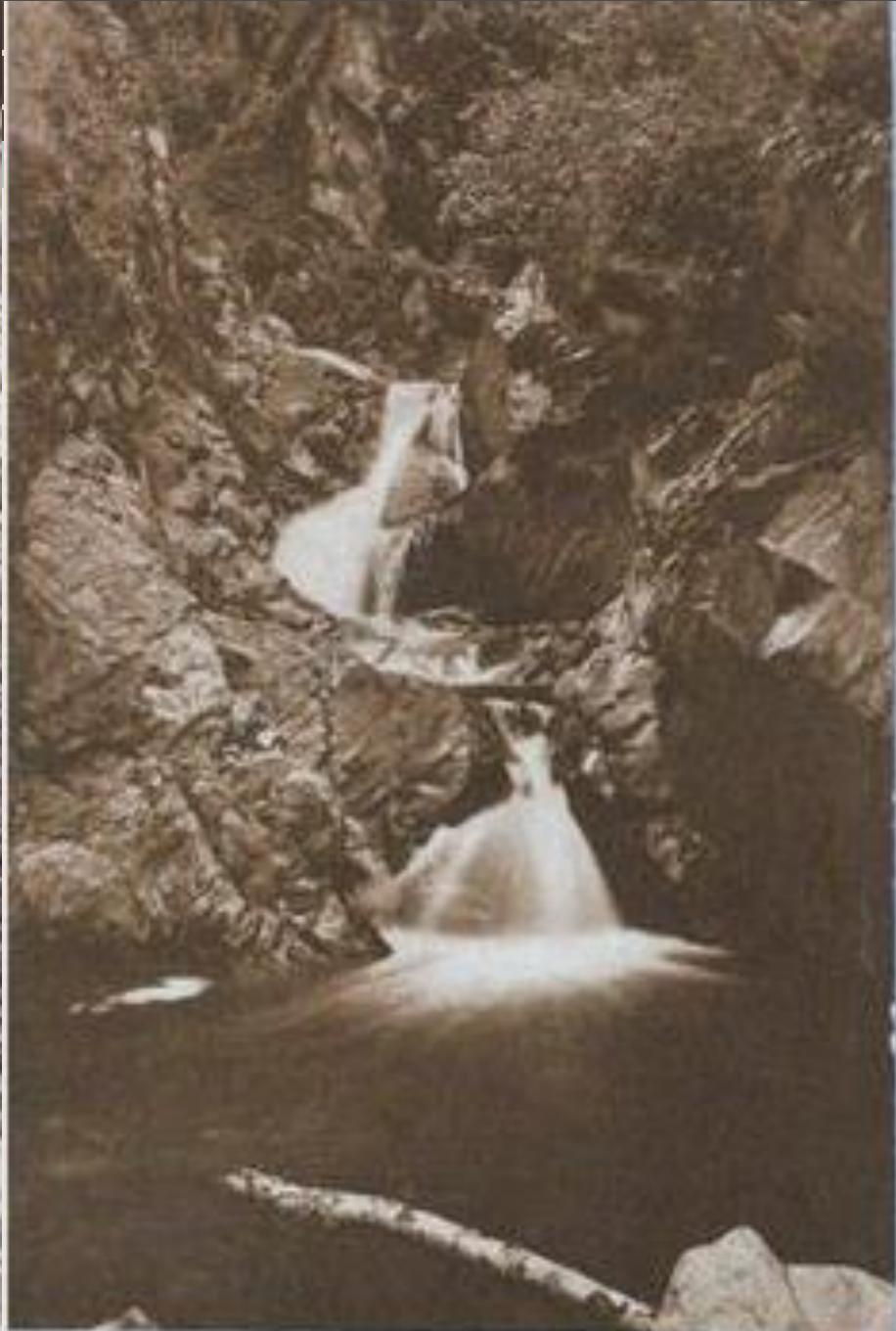


Watershed Background

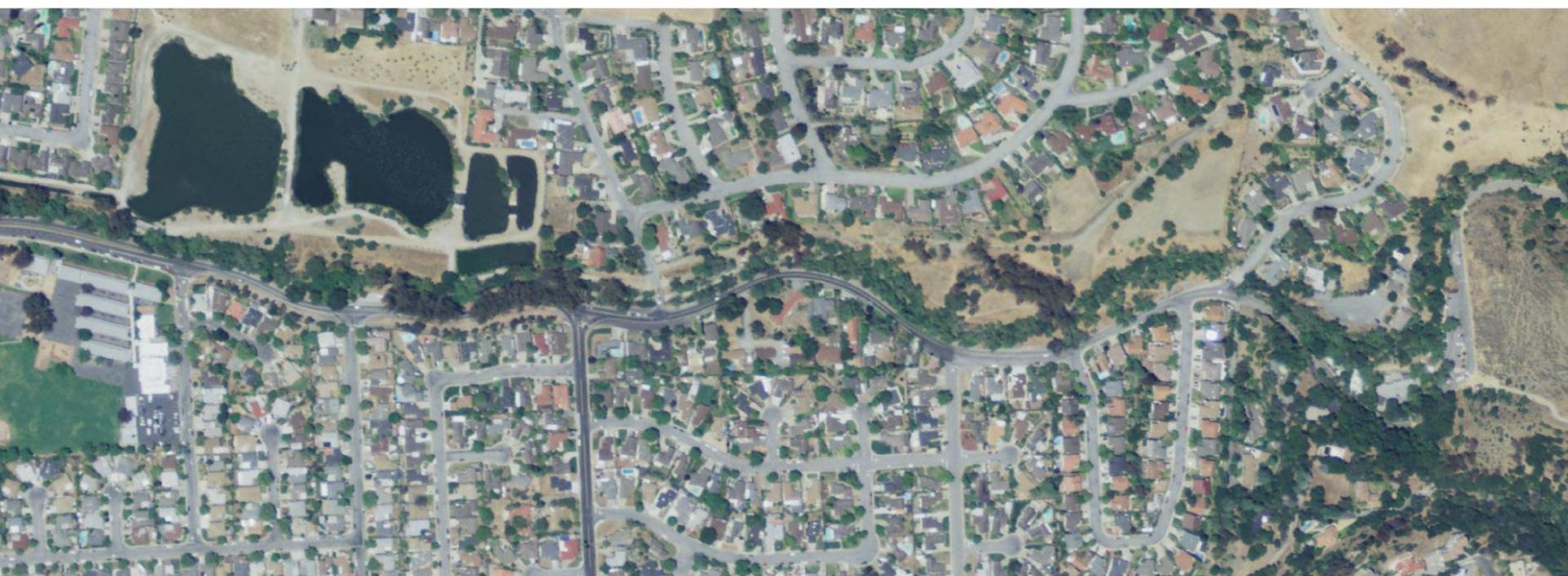


Watershed Background





Falls at Alum Rock Park, San Jose, Cal.





Watershed Background



Problems and Opportunities

► Flood Risk

- Damages
- Health and Safety

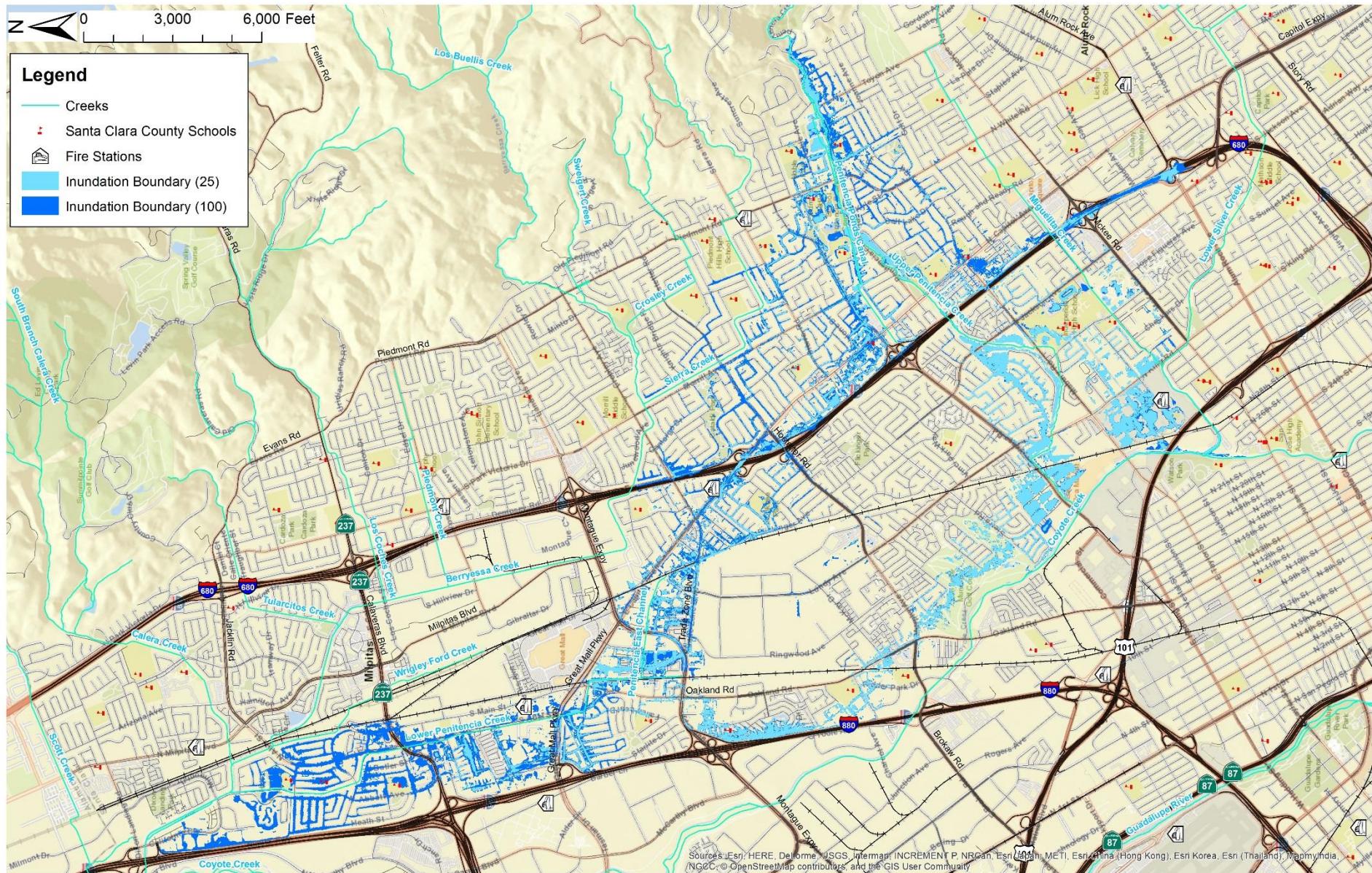
► Ecological

► Maintenance

► Water Supply

► Recreation

Current District Flood Map





Historical Floods

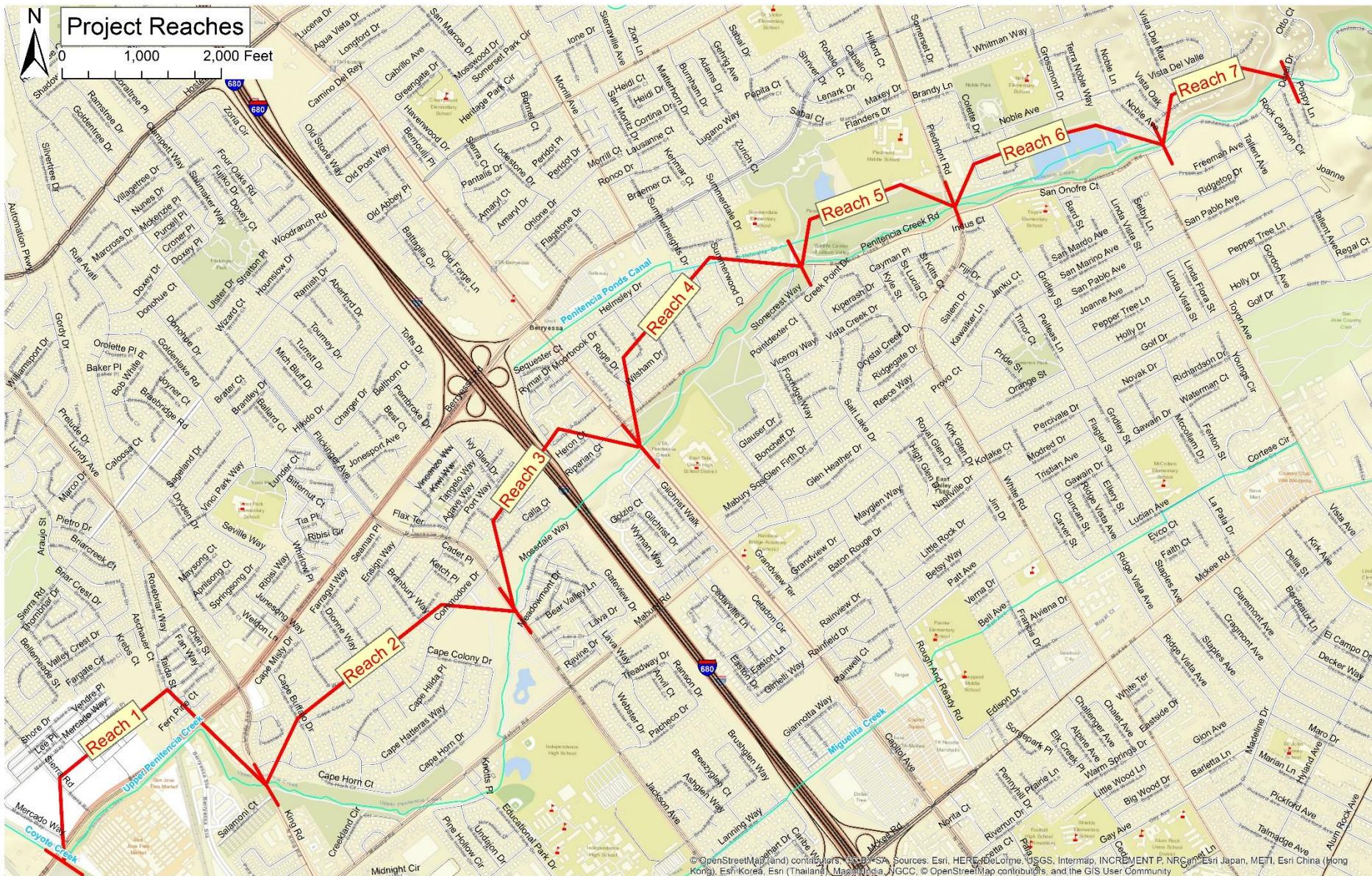
- Creeks
- 1982 Flooding
- 1983 Flooding
- 1986 Flooding
- 1995 Flooding
- 1997 Flooding
- 1998 Flooding
- 2017 Flooding

0 1,250 2,500 3,750 5,000 Feet

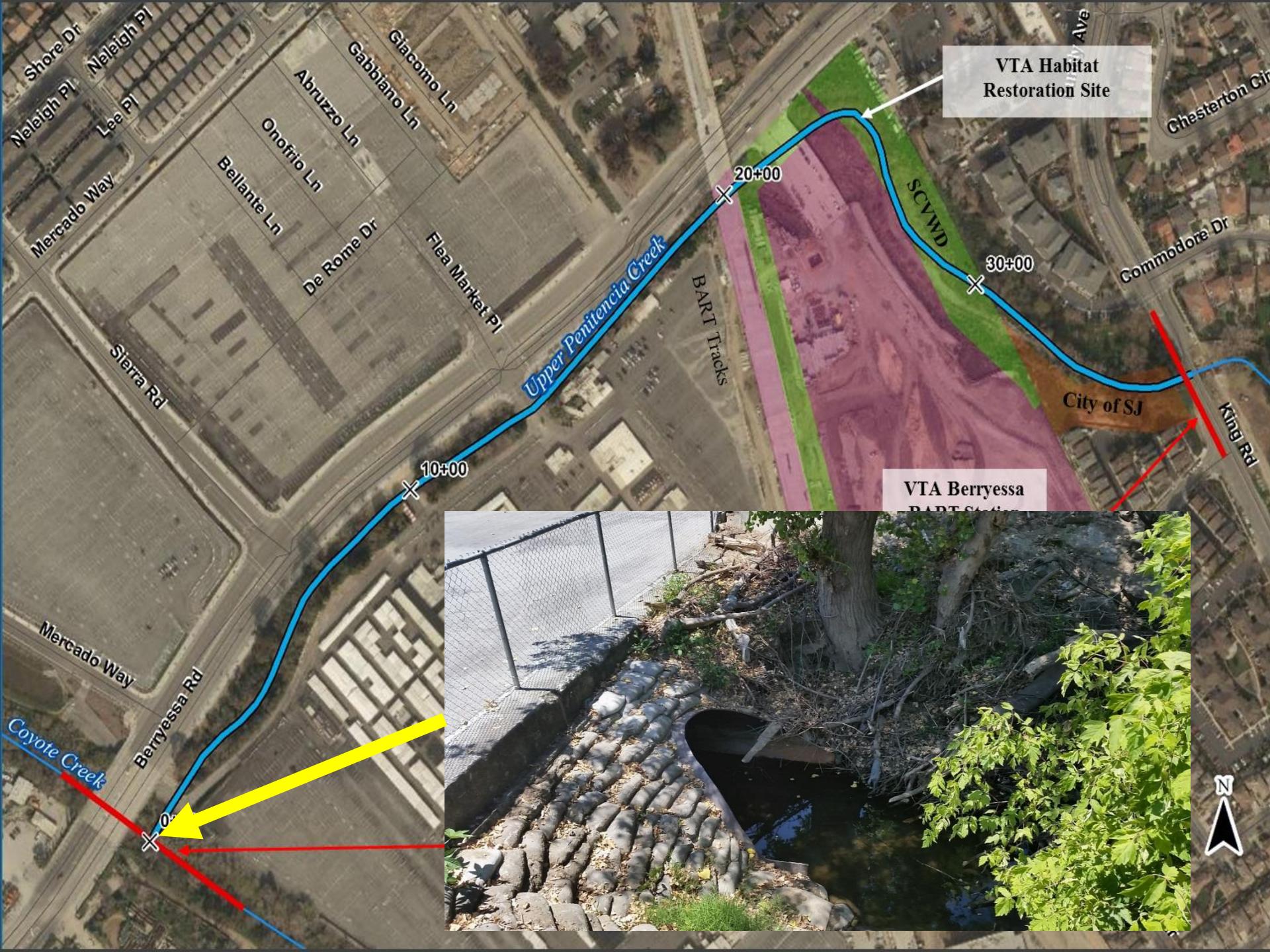
Coyote Creek

Upper/Penitencia Creek

Miguelita Creek



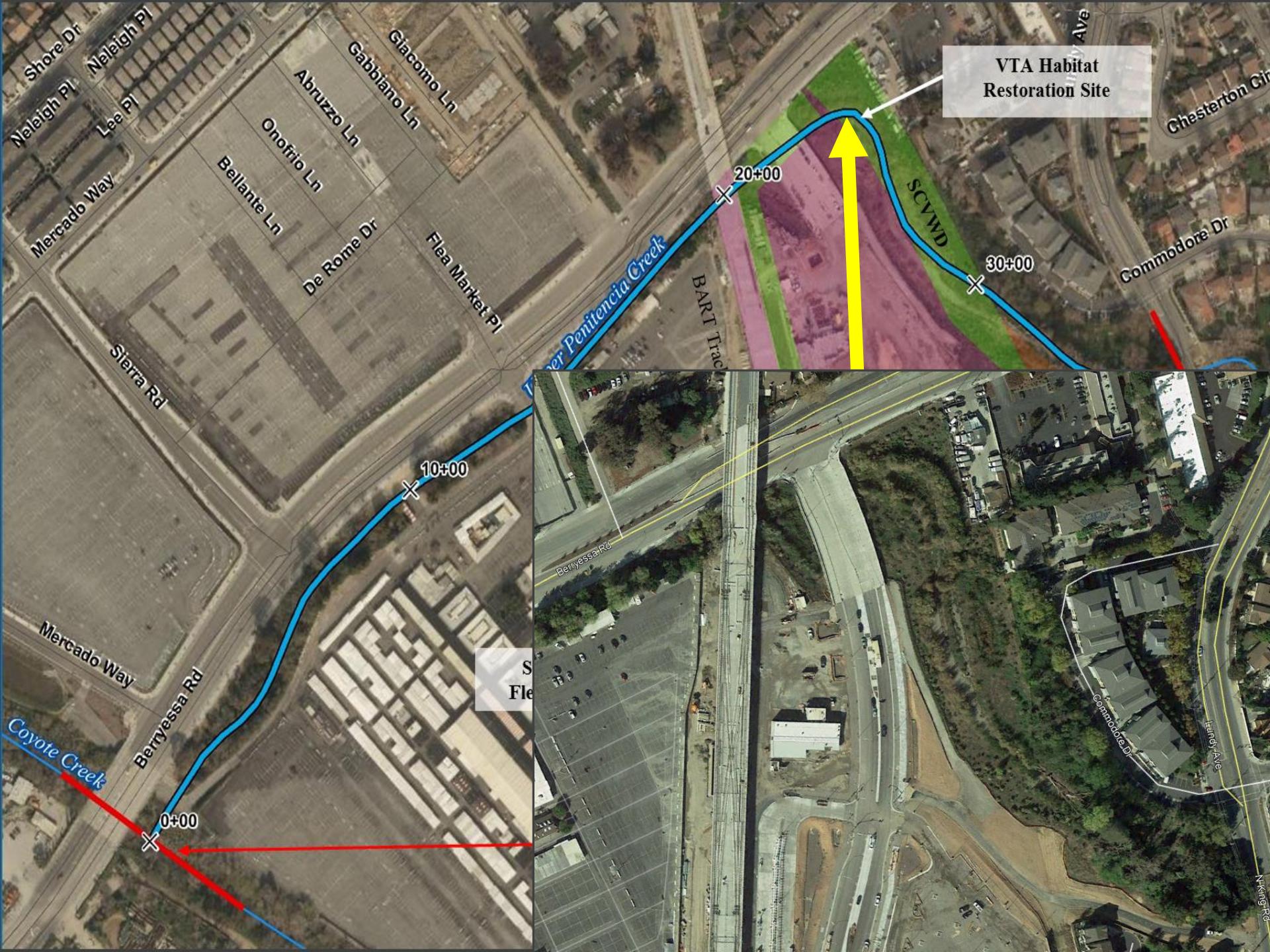


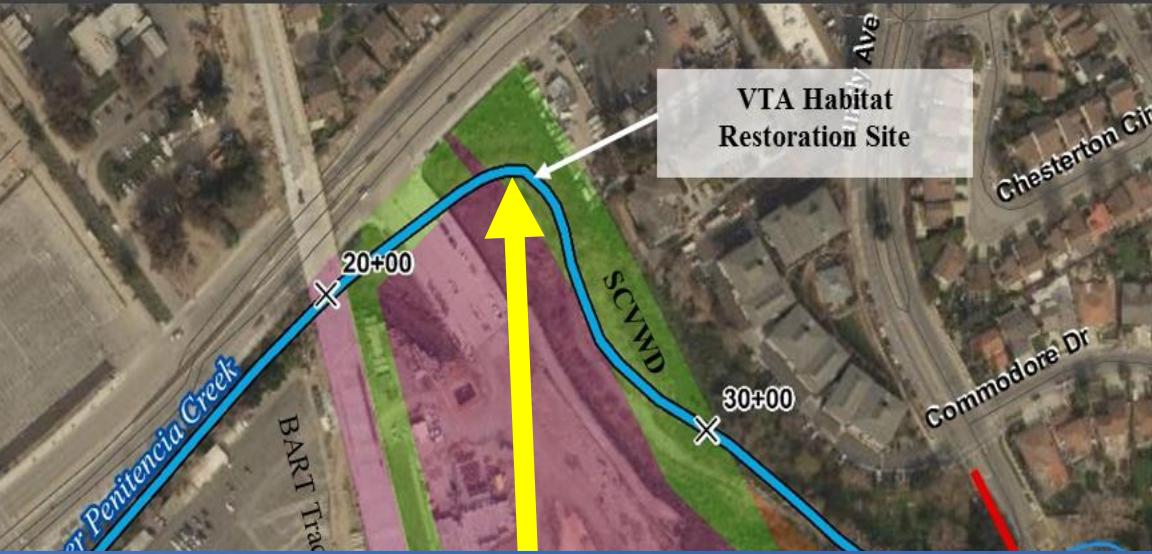
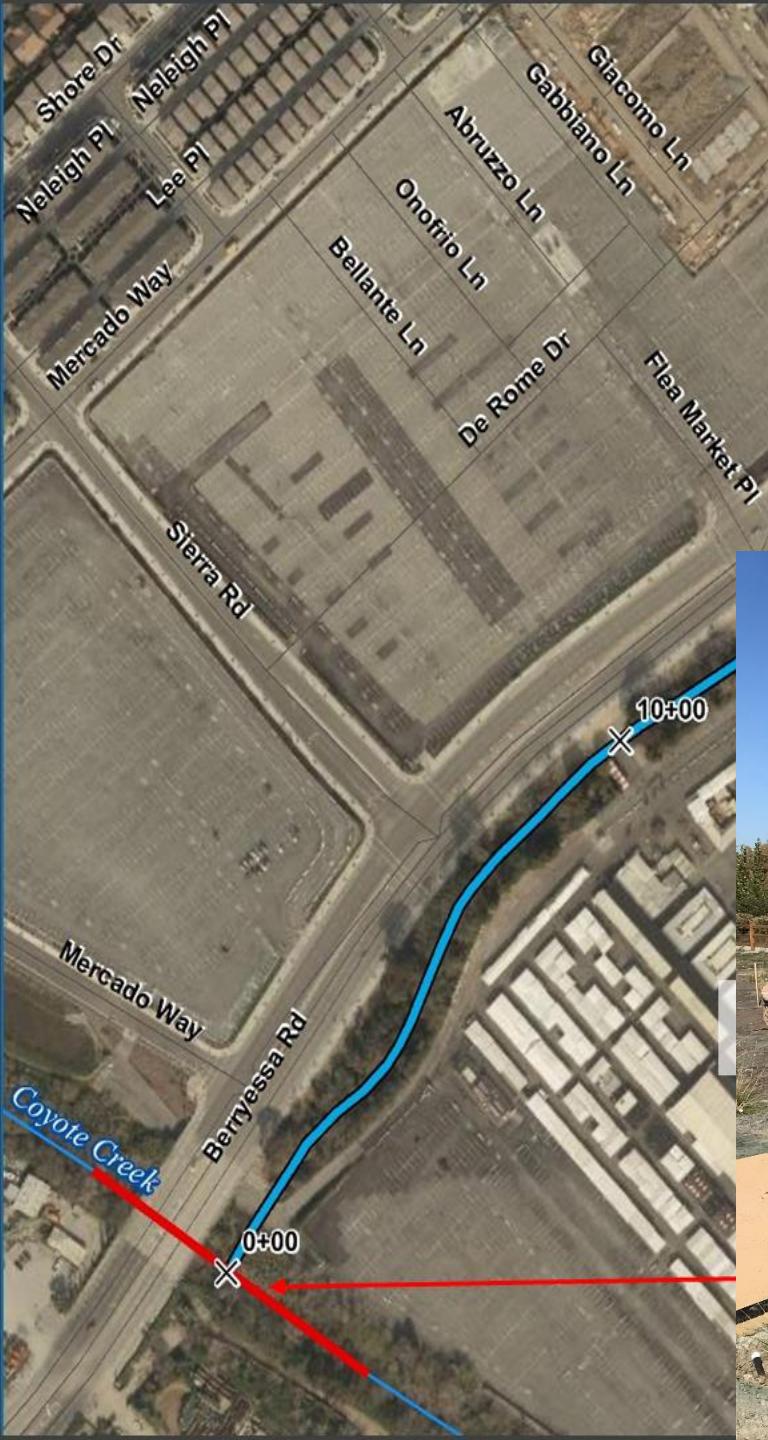




VTA Habitat
Restoration Site







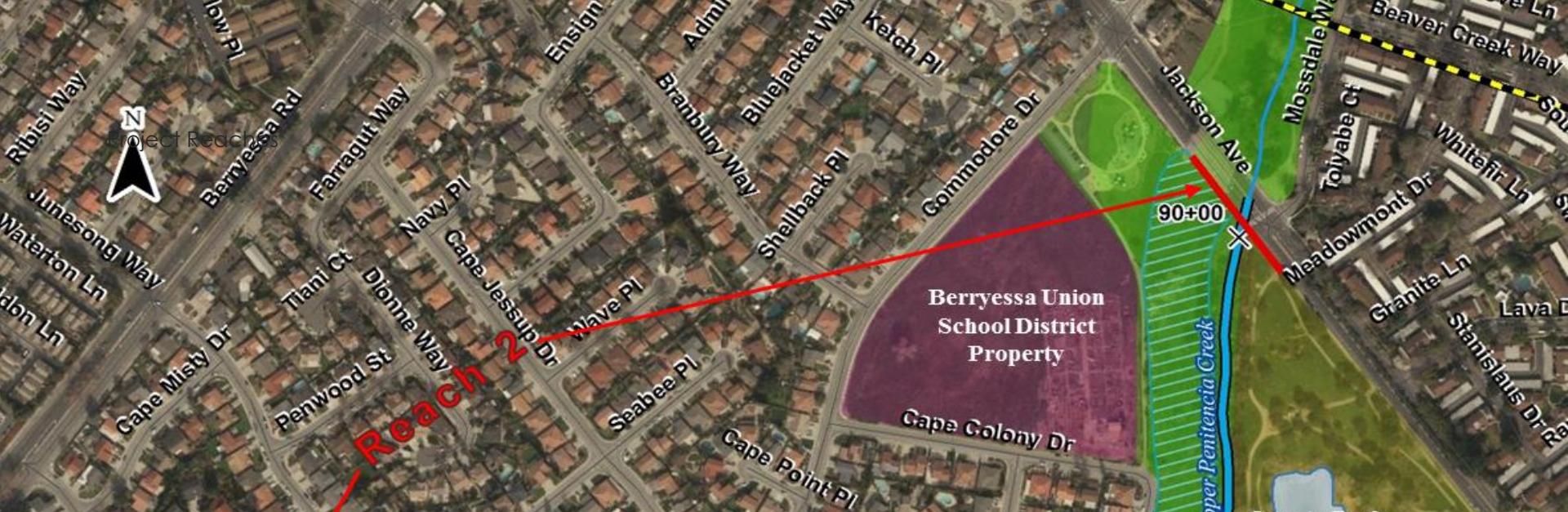


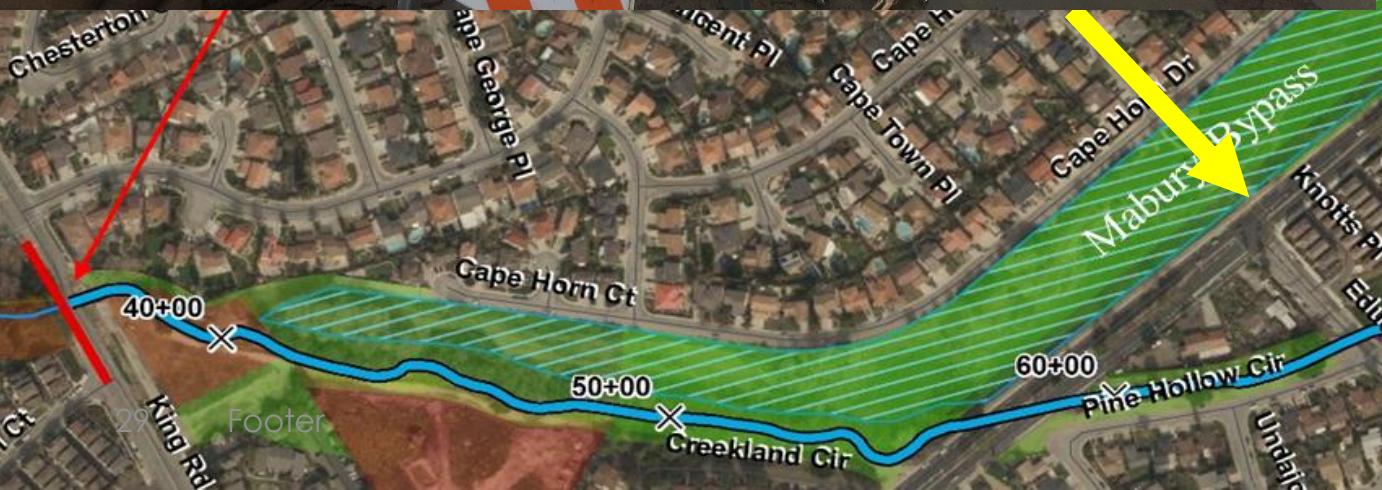


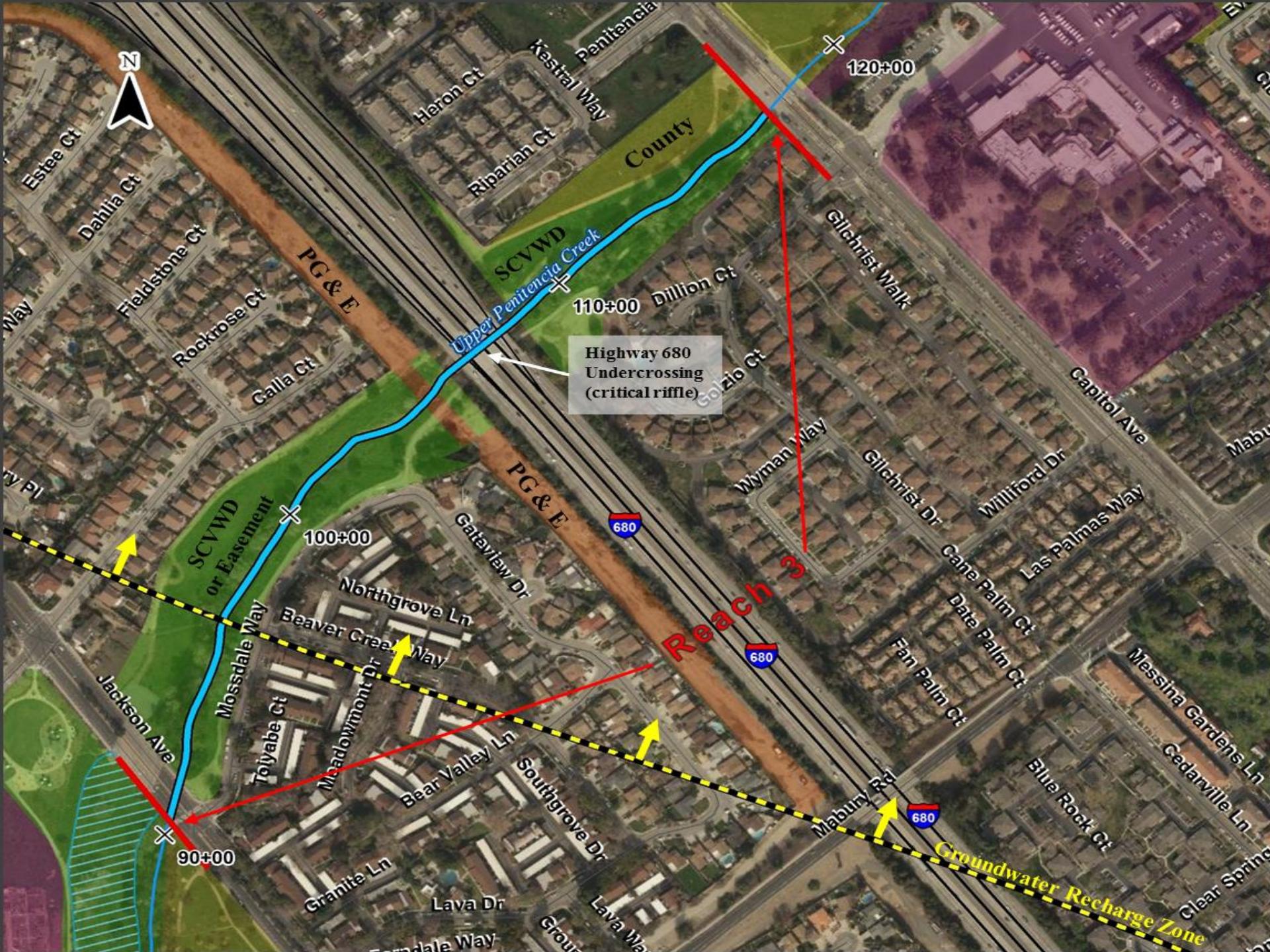








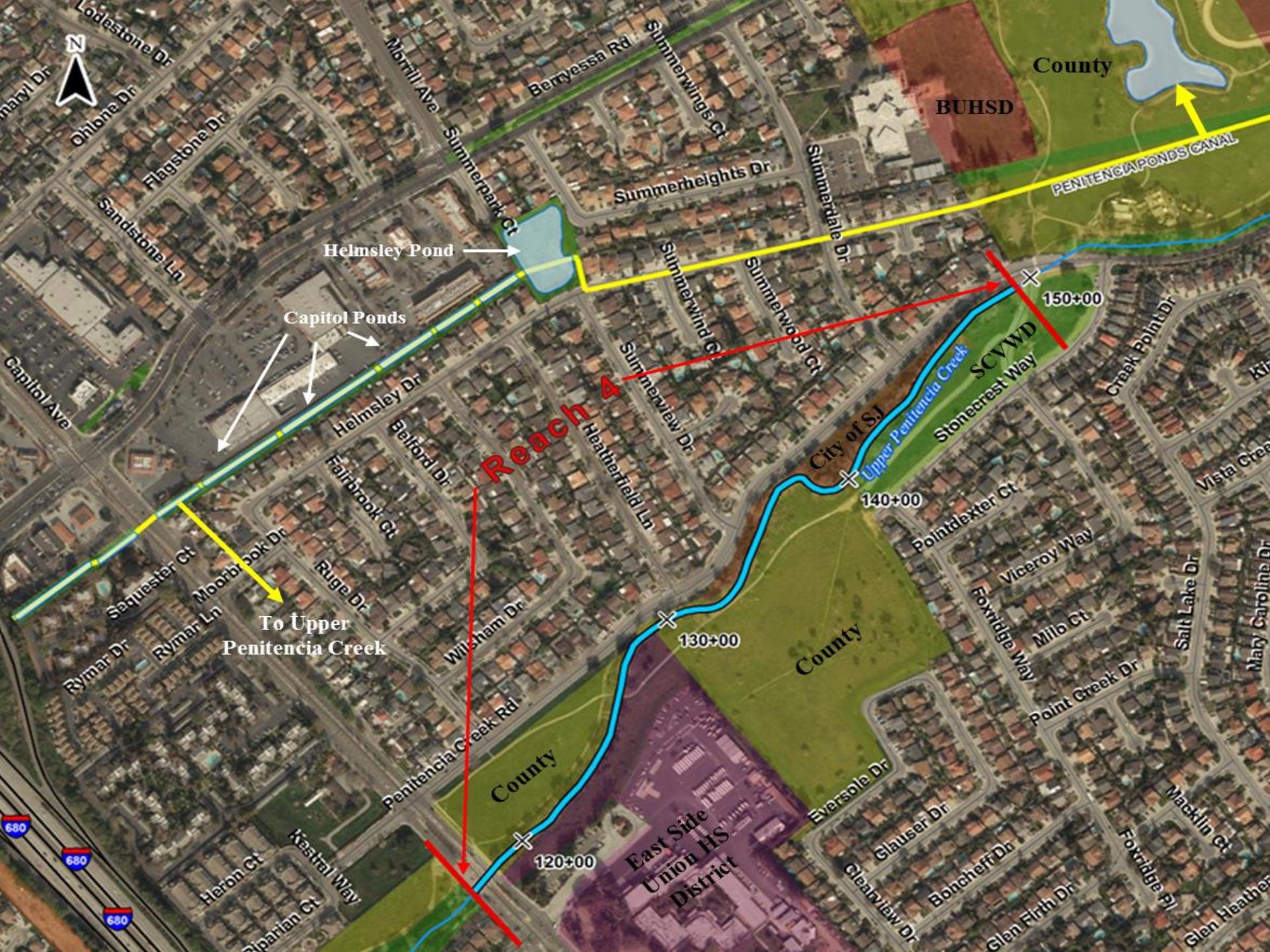


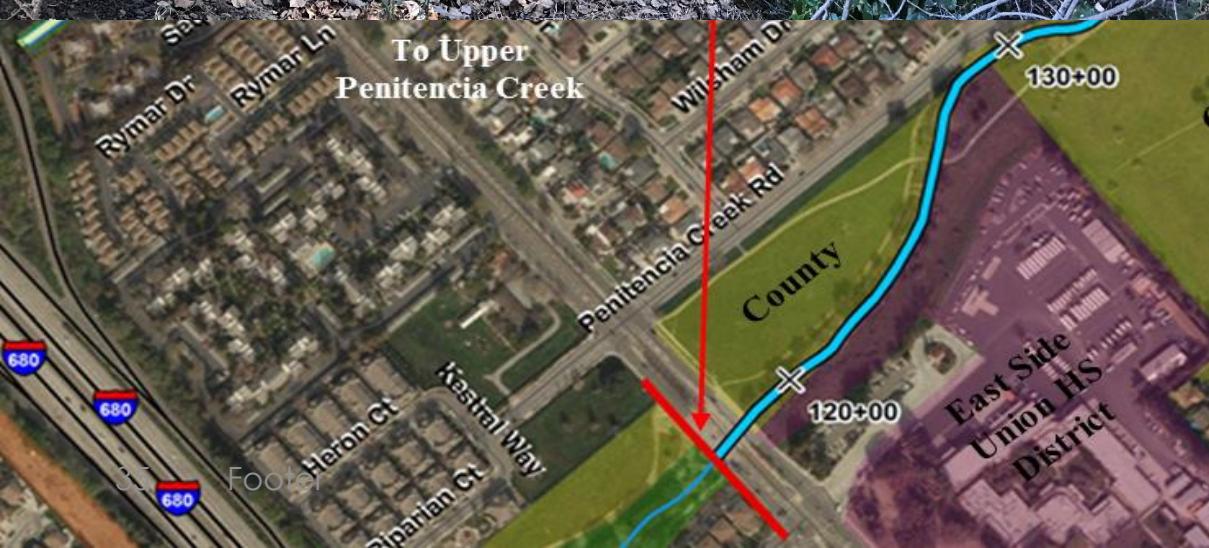




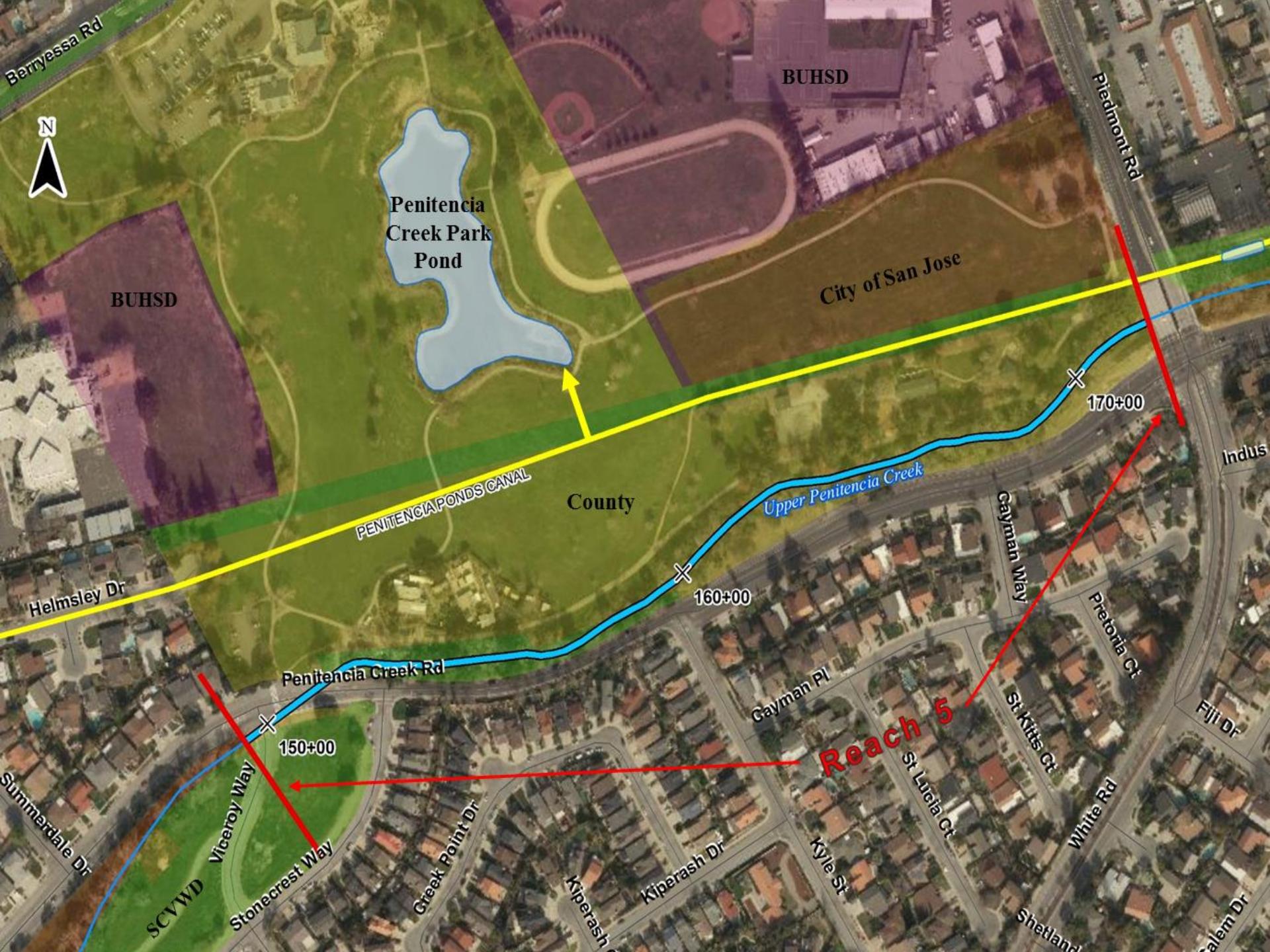


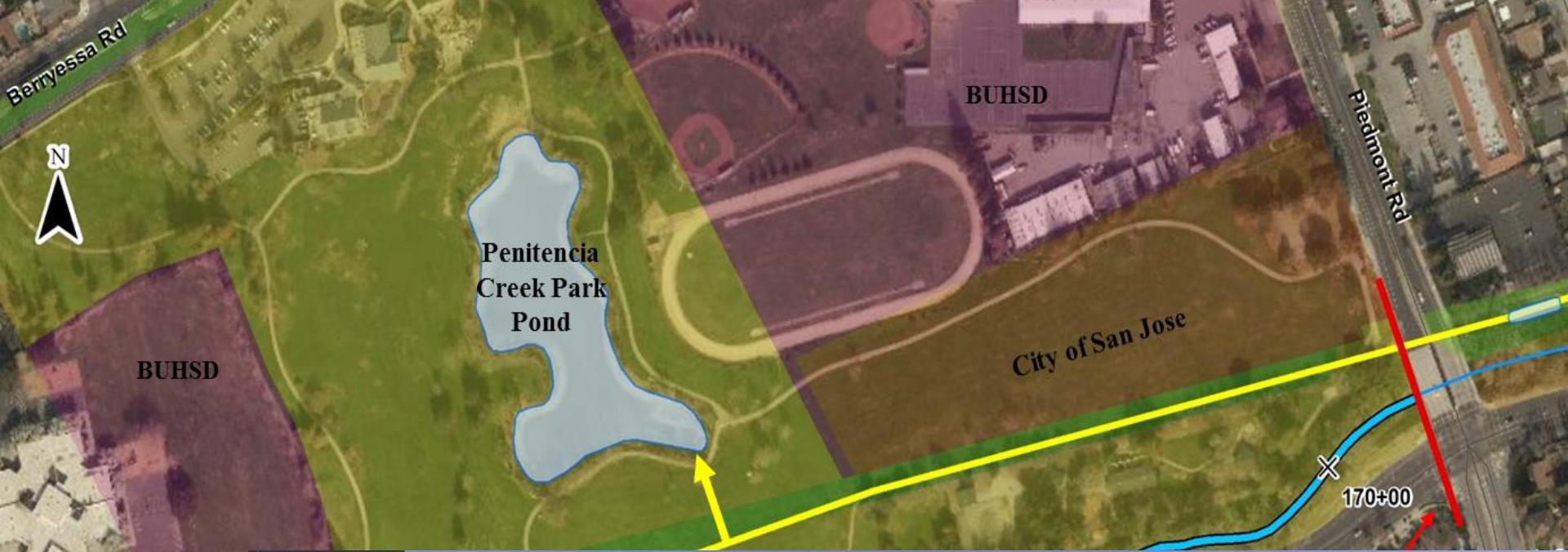


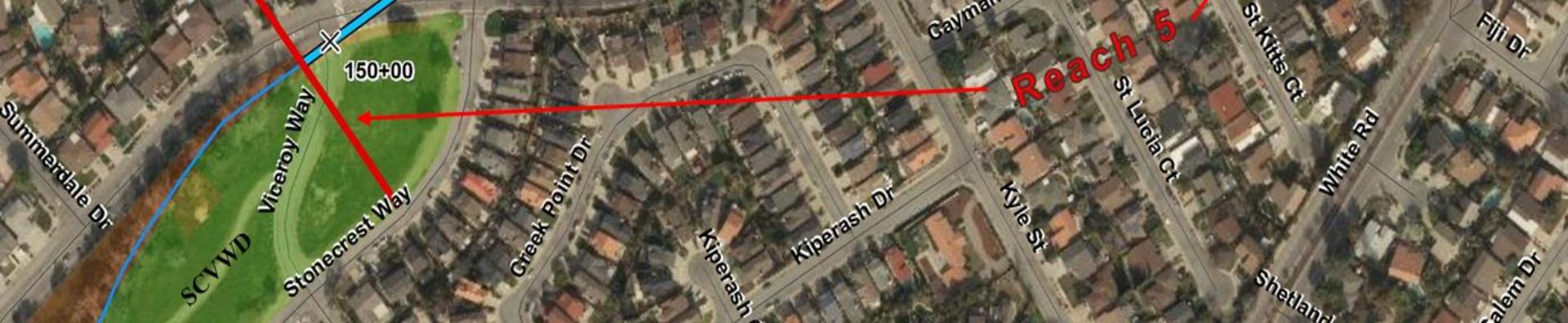




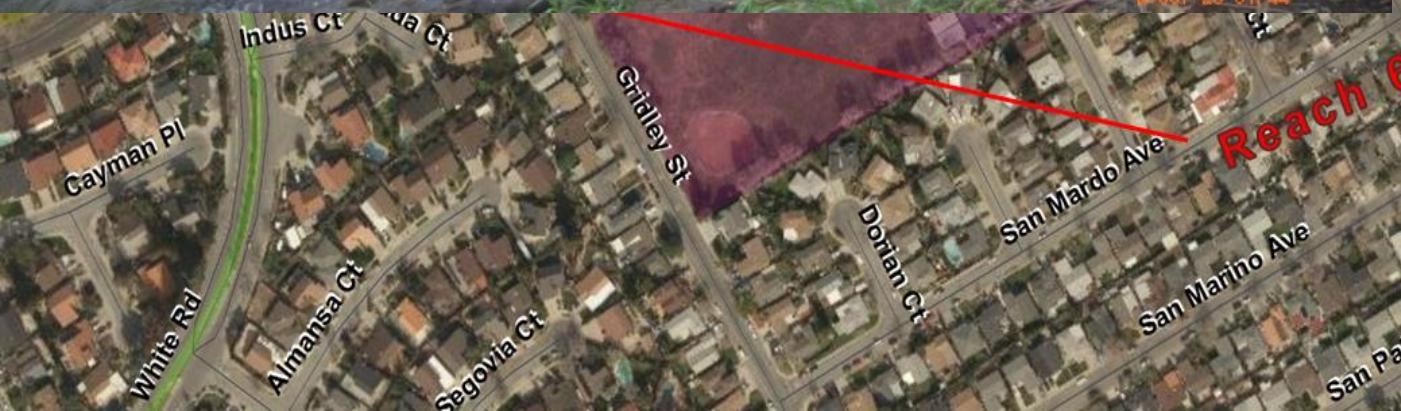


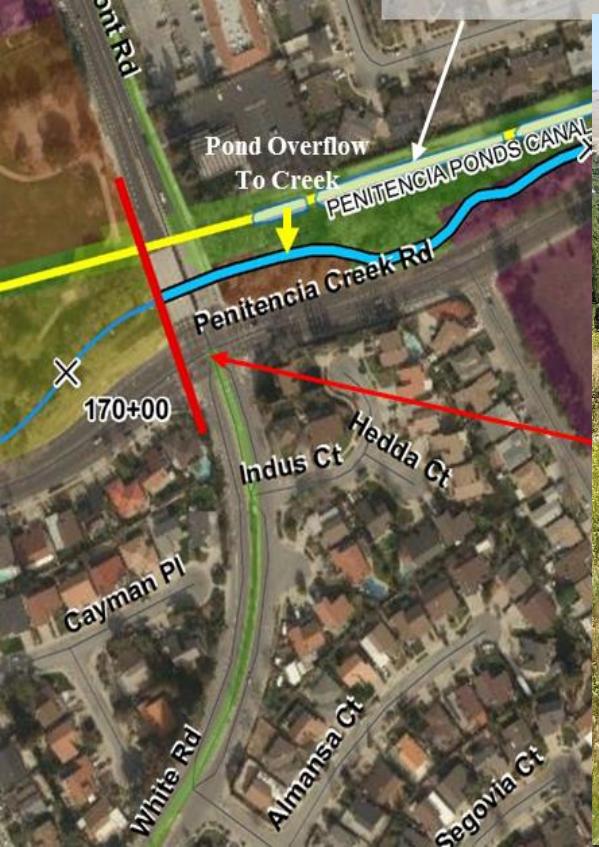






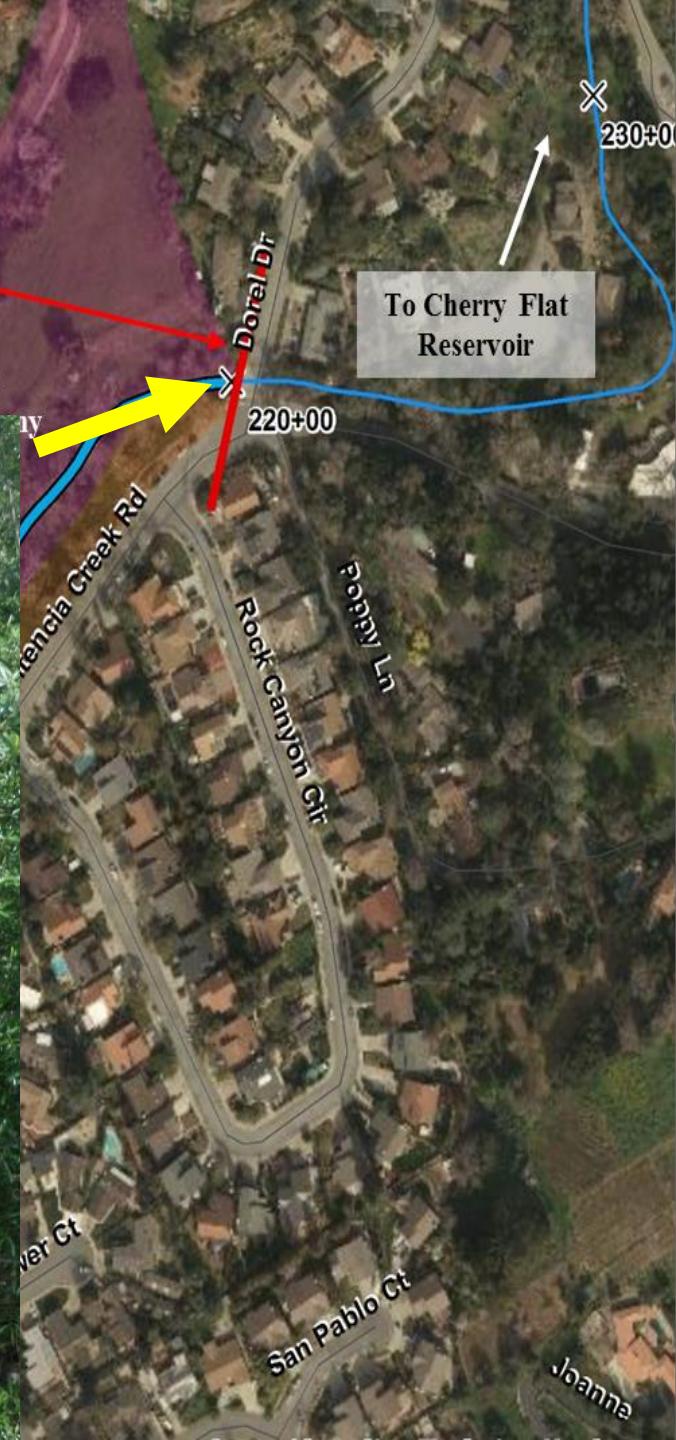




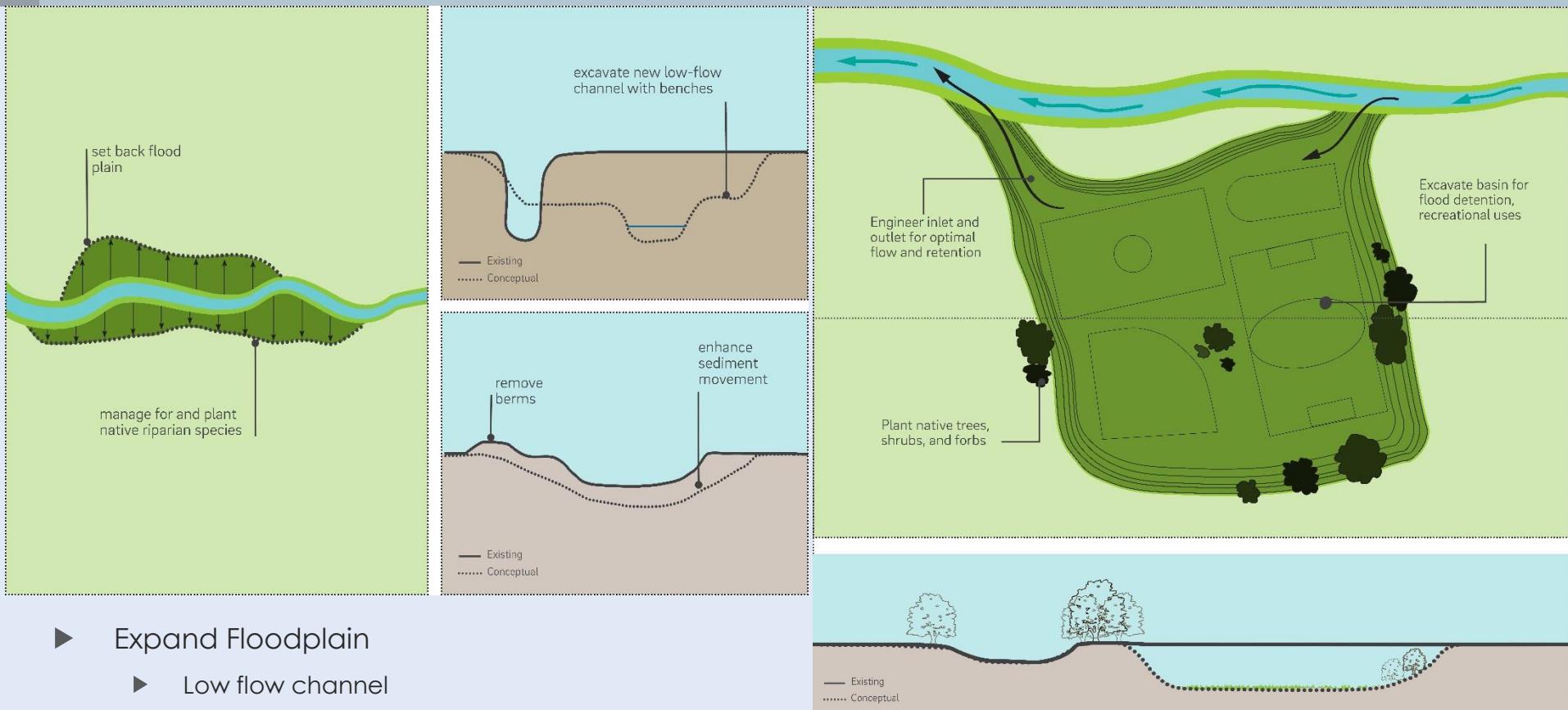








Typical Concepts



- ▶ Expand Floodplain
 - ▶ Low flow channel
 - ▶ High flow benches
- ▶ Riparian Enhancements
 - ▶ Sycamore/Willow Woodlands
 - ▶ Shrub layer
 - ▶ Remove non-native species

- ▶ Detention
 - ▶ Temporary flood storage
 - ▶ Recreation
 - ▶ Plant native species

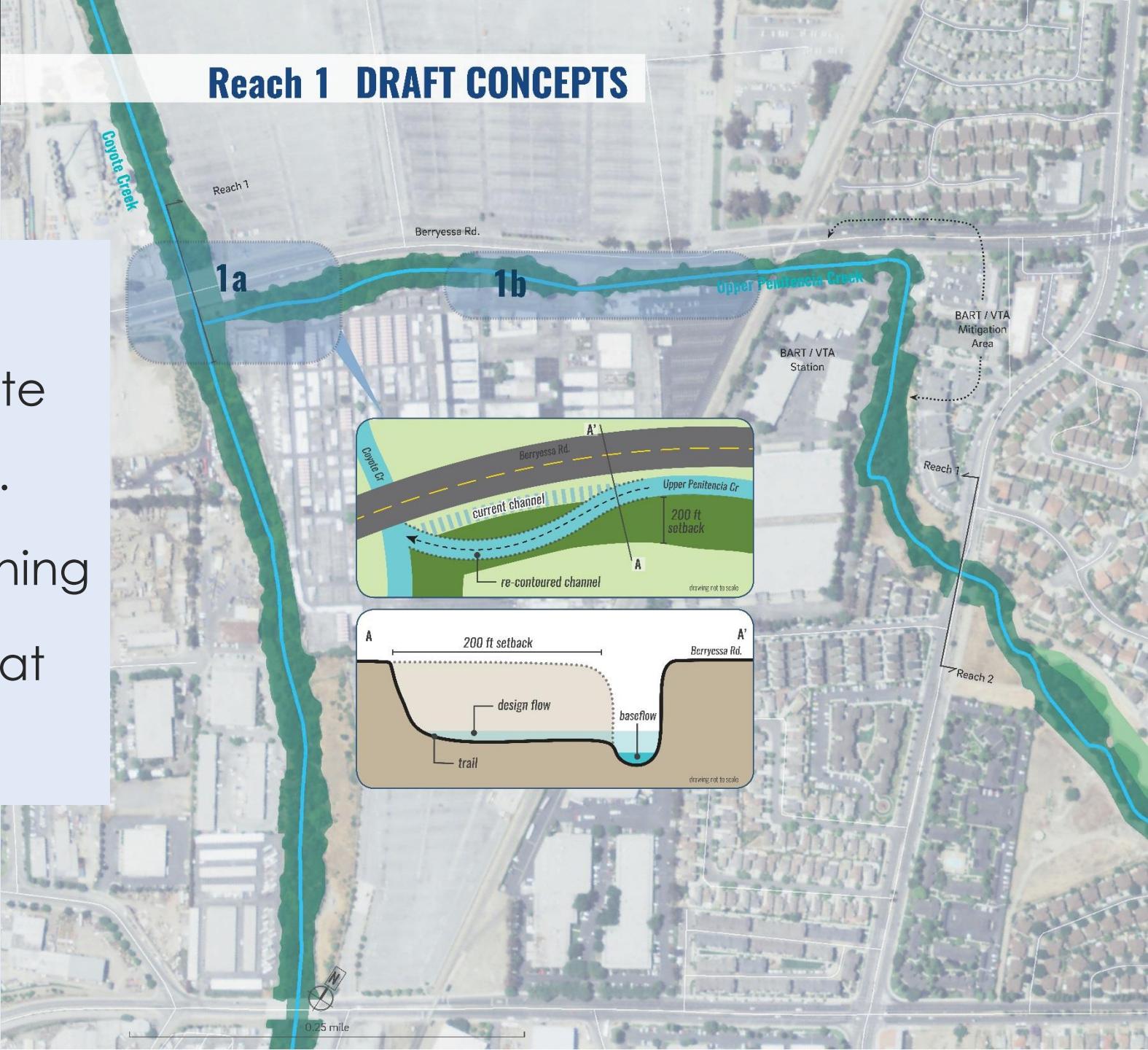
Landscape Vision/Strategy

LANDSCAPE STRATEGY CONCEPTS OVERVIEW PRELIMINARY DRAFT



Reach 1 DRAFT CONCEPTS

- ▶ 1a,b
- ▶ Coyote Confl.
- ▶ Widening
- ▶ Habitat
- ▶ Trail

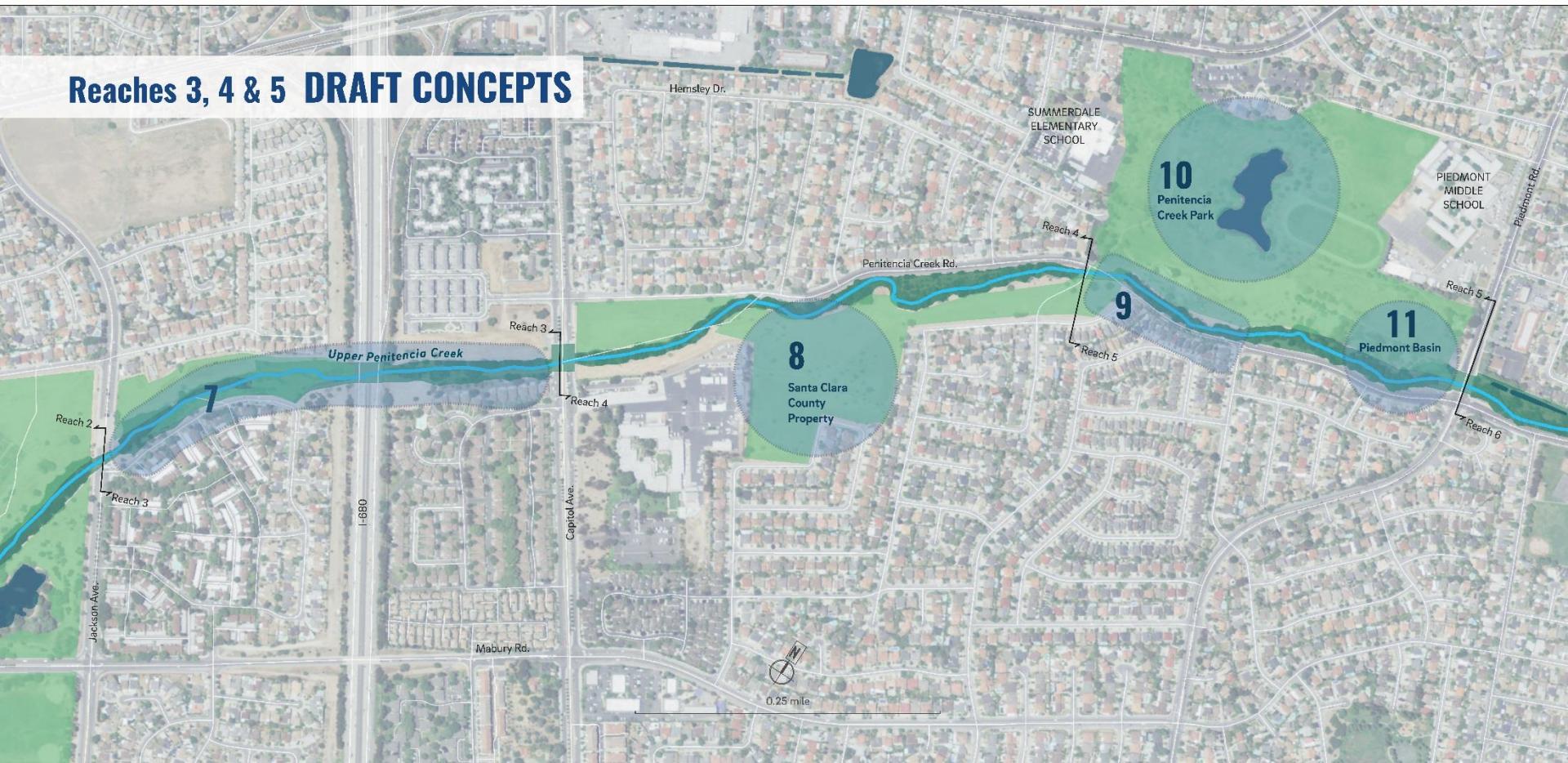


Reach 2 DRAFT CONCEPTS

- ▶ 2, 3
- ▶ Widening
- ▶ Riparian
- ▶ 5. Flow Split
- ▶ 4,6 - Detention



Reaches 3, 4 & 5 DRAFT CONCEPTS



- ▶ Reach 3 – Conc. 7
 - ▶ Widening
 - ▶ Riparian
- ▶ Reach 4 – Conc. 8
 - ▶ Detention

- ▶ Reach 5
 - ▶ Conc. 9 – Widening, Riparian
 - ▶ Conc. 10, 11 - Detention

Reaches 6 & 7 DRAFT CONCEPTS



Conceptual Alternatives

- ▶ Alternative Analyses
- ▶ Public Input on Concepts
- ▶ Combination of Concepts
- ▶ Flood events – 25, 50, 100 year
- ▶ Benefits vs Costs

Breakout group discussions and input

Please share your ideas and thoughts by discussing and answering the following questions with your group:

1. What do you currently value about Penitencia Creek and the surrounding area? What needs to be preserved?
2. Thinking about the conceptual alternatives that were presented:
 - A. What are the elements that you liked?
 - B. What are the elements that you did not like?
3. Are there other elements or alternatives that were missed or should be considered for the project?

FACEBOOK AUDIENCE:

Please send your input to Jose Villarreal at jvillarreal@valleywater.org.

Next Steps: Timeline

- ▶ Write-up from each group: by Oct. 12
- ▶ Next public meeting: Winter 2018/19
- ▶ Recommended Alternatives: Spring 2019
- ▶ Planning Study Report: Summer 2019

For more information

Gabriel Vallin

gvallin@valleywater.org

408-630-2790

Jose Villarreal

jvillarreal@valleywater.org

408-630-2879

<https://valleywater.org/upper-penitencia-creek>

- Signup to receive project updates via email
- View project reports, maps, history, and other information

Santa Clara Valley
Water District



End of Meeting

Thank you for questions,
suggestions and time.