SAN FRANCISQUITO CREEK
JOINT POWERS AUTHORITY

San Francisquito Creek Joint Powers Authority
Bidders' Webinar
March 8, 2024

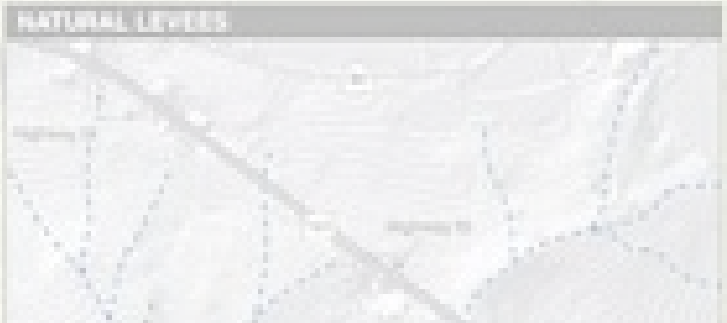
Agency Structure and Governance

- Five members: Santa Clara Valley Water District (Valley Water), the San Mateo County Flood and Sea Level Rise Resiliency District (OneShoreline), Palo Alto, Menlo Park, and East Palo Alto.
- Governed by Board – one elected representative is appointed from each member agency.
- Board typically meets monthly.
- Master Services Agreement and TO 1 must be approved by the Board- *tentatively scheduled for the April board meeting.*

SFCJPA and ACOE

- The U.S. Army Corps of Engineers (ACOE) was engaged early in the SFCJPA's existence to perform a General Investigation (GI) Study of how to reduce flooding risk

- The GI was rescoped to focus on upstream Reaches 2 and 3 and then closed in 2020 in favor of the current smaller CAP 205 program.



Completed Reach 1 – Downstream Project

Completed in 2019, doubled creek capacity to 9,000+ cfs, created and improved 20+ acres of tidal marsh and created new trails on levee tops.

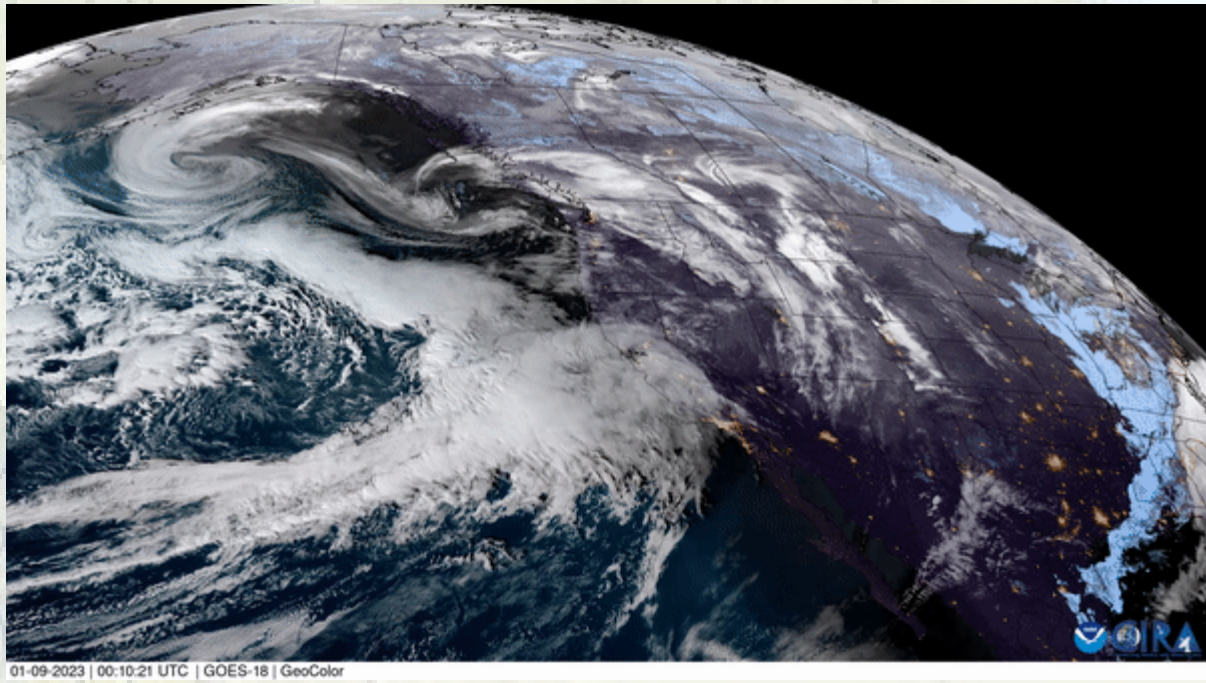
Reach 2 – Upstream Project Components

- Replacement of the Newell Road Bridge (Palo Alto)
- Replacement of the Pope/Chaucer Bridge (Valley Water)
- Channel Widening (ACOE CAP205 program)
- Top-of-Bank structures (Valley Water)

These were well underway … and then….

Stormy weather ….

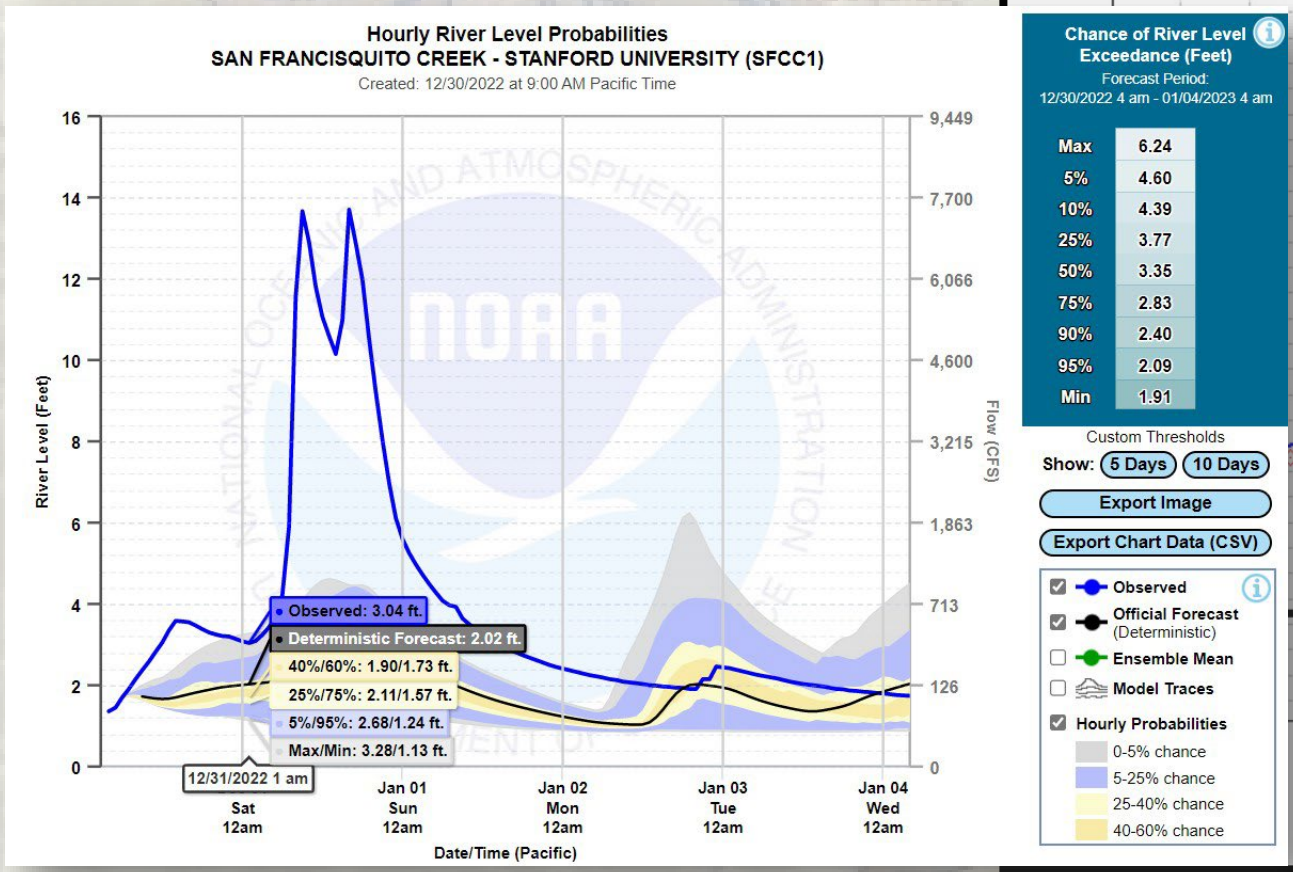
- There was this storm on New Year's Eve, 2022…
- What was learned about creek hydrology and capacity
- How updated information affects project



New Year's Eve – 2022 – What Happened?

FLOODING!

MODEL DISCREPENCY!



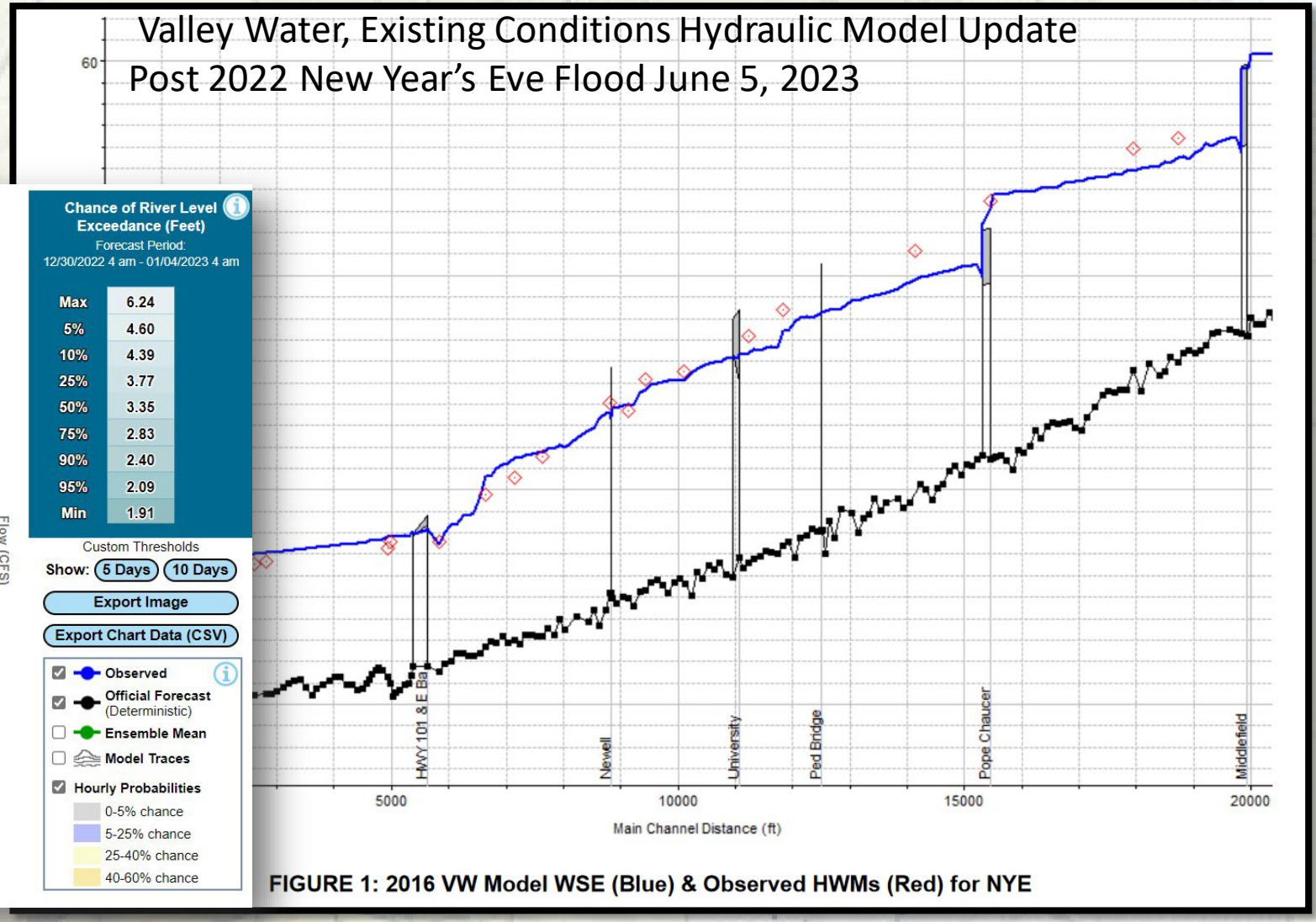
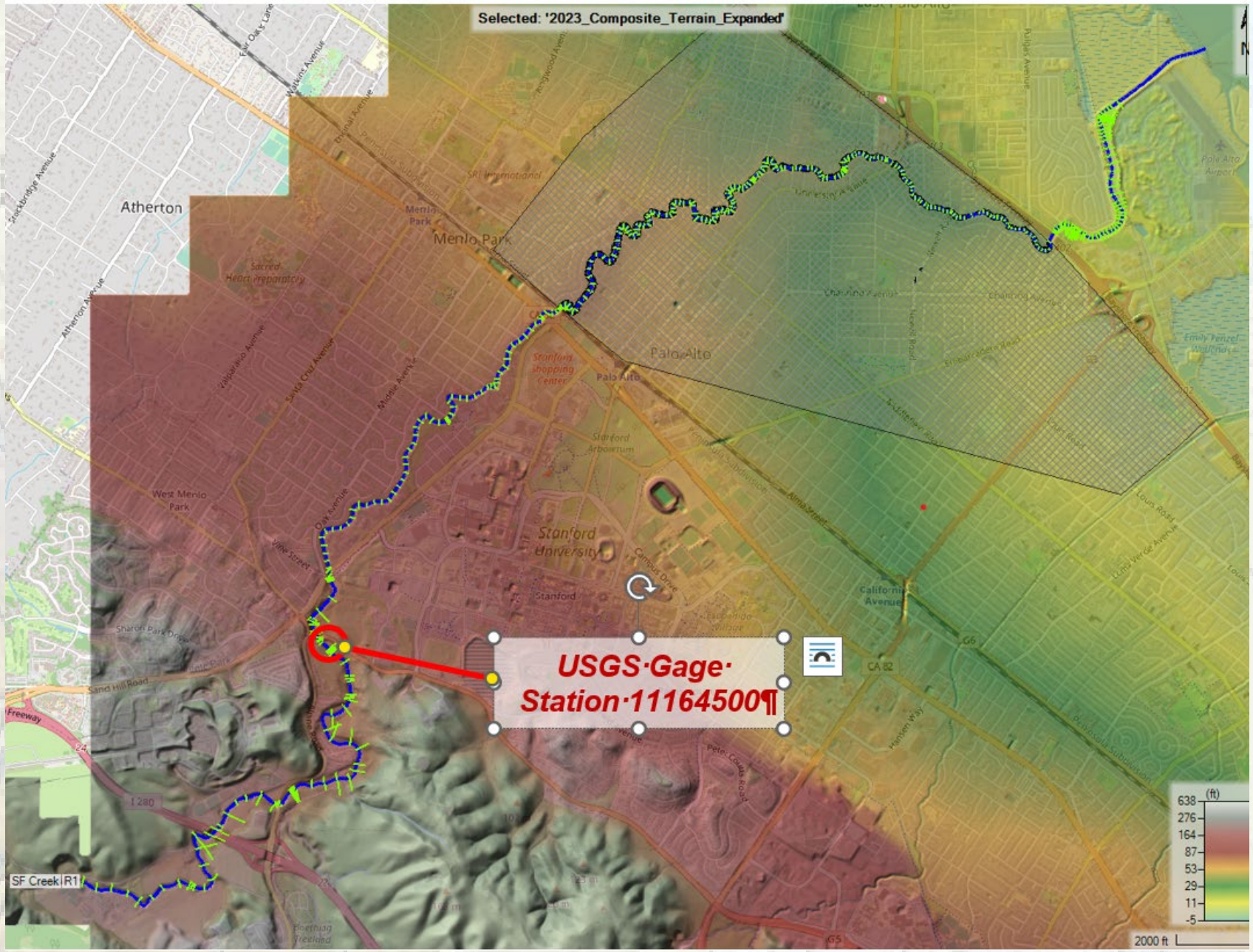


FIGURE 1: 2016 VW Model WSE (Blue) & Observed HWMs (Red) for NYE

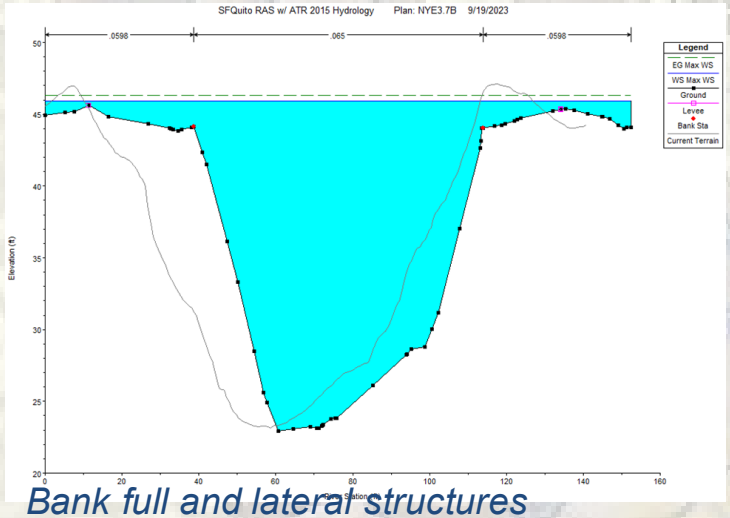
What was done:

- Creek Channel and Bank survey
- Independent review of HEC-RAS model



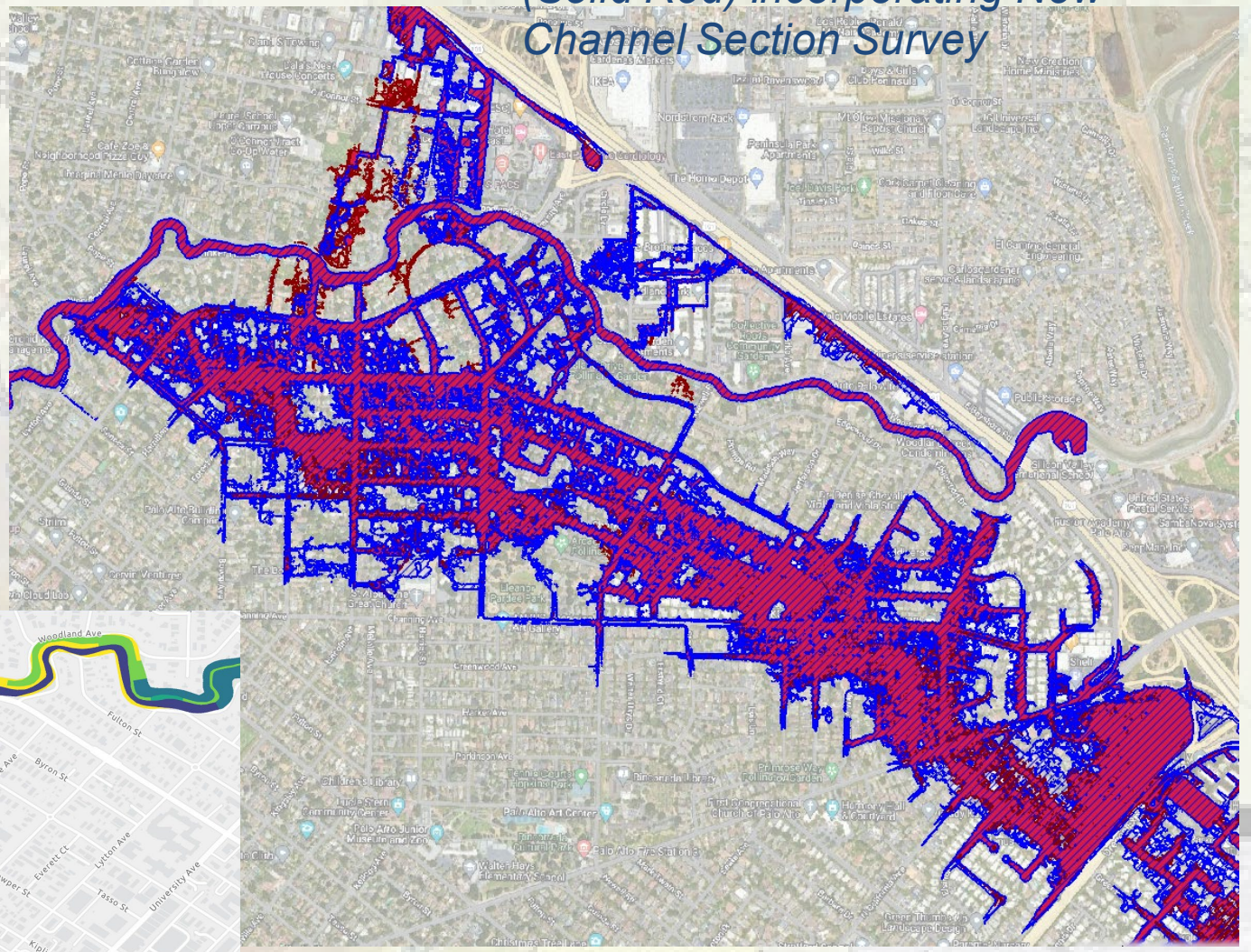
SFC Model Domain

What we learned -

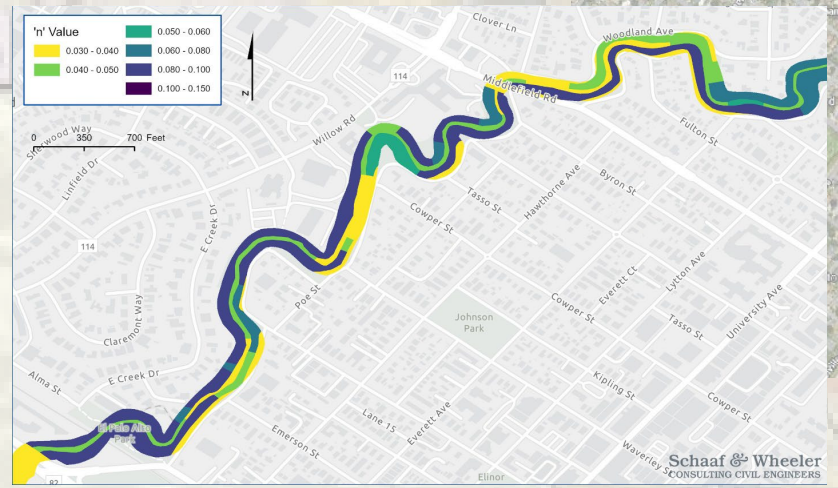


Bank full and lateral structures

Comparison of Model Results Before (Hatched Blue) and After (Solid Red) Incorporating New Channel Section Survey



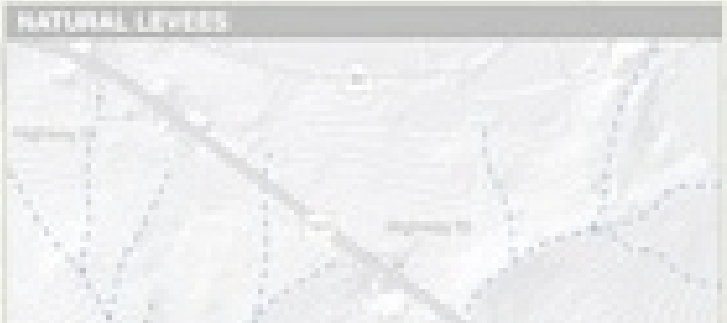
Spatially Varied Roughness Assignment from Caltrain to Middlefield Road



Overview of MSA

Moves design responsibility from Valley Water to SFCJPA.

Is essentially a Statement of Qualification for future Task Orders.



Overview of Task Order #1

Purpose: *Develop viable alternatives for flood risk reduction in Reach 2 in addition to the following actions that are moving forward:*

Replacement of the Newell Road Bridge

Removal of concrete structure in the creek along Woodland Ave and restoration of area (and possibly other actions consistent with EIR, including:

- Other widening areas
- Replacement of temporary wooden floodwall

Overview of Task Order #1

Task 1 – Administrative and Project Management

Task 2 – Alternatives Analysis

Task 3 – 30% Designs & Plans, Construction Estimates and Schedules for Preferred Alternative

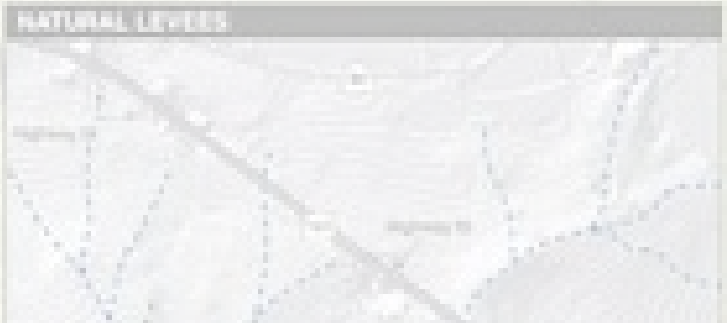
Task 4 – Technical Requests

Task 5 - Optional Task for staff support for other SFCJPA projects not related to Reach 2

Task Order 1 – Generalized Project Schedule

This is a hypothetical schedule, based on an assertive by achievable timeline.

- MSA contract in place – By end of April 2024
- Evaluation and selection of Preferred Alternative(s) – Completed by August/September 2024.
- Supplemental EIR – Completed by February 2025.



Proposal Scoring

Responsive Proposal - contains all the following: • A cover letter with contact information • Organizational chart of the project team • Itemized fee schedule (including costs per unit or per hour for: HEC-RAS model runs, visualizations/renderings, workshop support, and meeting/workshop participation) • Brief description of previously completed projects of similar scope, • List of team members or subcontractors, their role, and personnel assigned to the project • Designation of a project administrator who will be responsible for billing and accounting • Description of any pending litigation or litigation against the firm, or any of its proposed sub-consultants that is active or has been settled in the past three (3) years • Statement of acceptance of Consultant Agreement and Insurance Requirements • Conflict of Interest Statement • Statement regarding record of compliance with applicable laws, regulations, policies, guidelines, and orders governing prior or existing contracts • Three references from work with similar type, scope, or complexity	**Y – N** **"No" to any of the bullet point list disqualifies.**

Responsive Proposal Scoring

Completeness of proposal	**1 - 15**
Quality of the solution, goods and/or services to be provided as demonstrated by a well-organized and clearly communicated proposal	1 - 20
Cost to the SFCJPA (Lower number for higher cost relative to other proposals)	1 – 10
References	1 - 10
Familiarity with the San Francisquito Creek Watershed, its human and natural history, communities, and circumstances.	1 - 10
Demonstrated and verifiable experience and expertise in flood control civil engineering, structural design, hydraulic modeling, geotechnical engineering, project permitting, restoration design, public outreach, project management, and construction plans and specifications preparation.	1 - 15
Experience and knowledge of green design and construction strategies and methods and Engineering with Nature.	1 - 10
Innovative concepts or services as provided by consultant in proposal	1 - 10
	100 Points Max.

Questions ?

We will keep track of questions and post Q&A to our website next week. As questions come in via email, we will add those to the list.