



Nature Based Solutions to Hazard Mitigation

San Mateo County Board of Supervisors
September 9, 2025





Wildfire
Drought
Flooding
Erosion
Severe storms

County Plans



Community Climate Action Plan



Local Hazard Mitigation Plan



Grading Ordinance



Local Coastal Plan



Energy and Water Strategy 2025

Why Nature-Based Solutions

- Healthy ecosystems mitigate drought, flooding, erosion, and fire
- Impaired ecosystems can cause or worsen disasters
- Solution may not be where we see the problem
- Store carbon











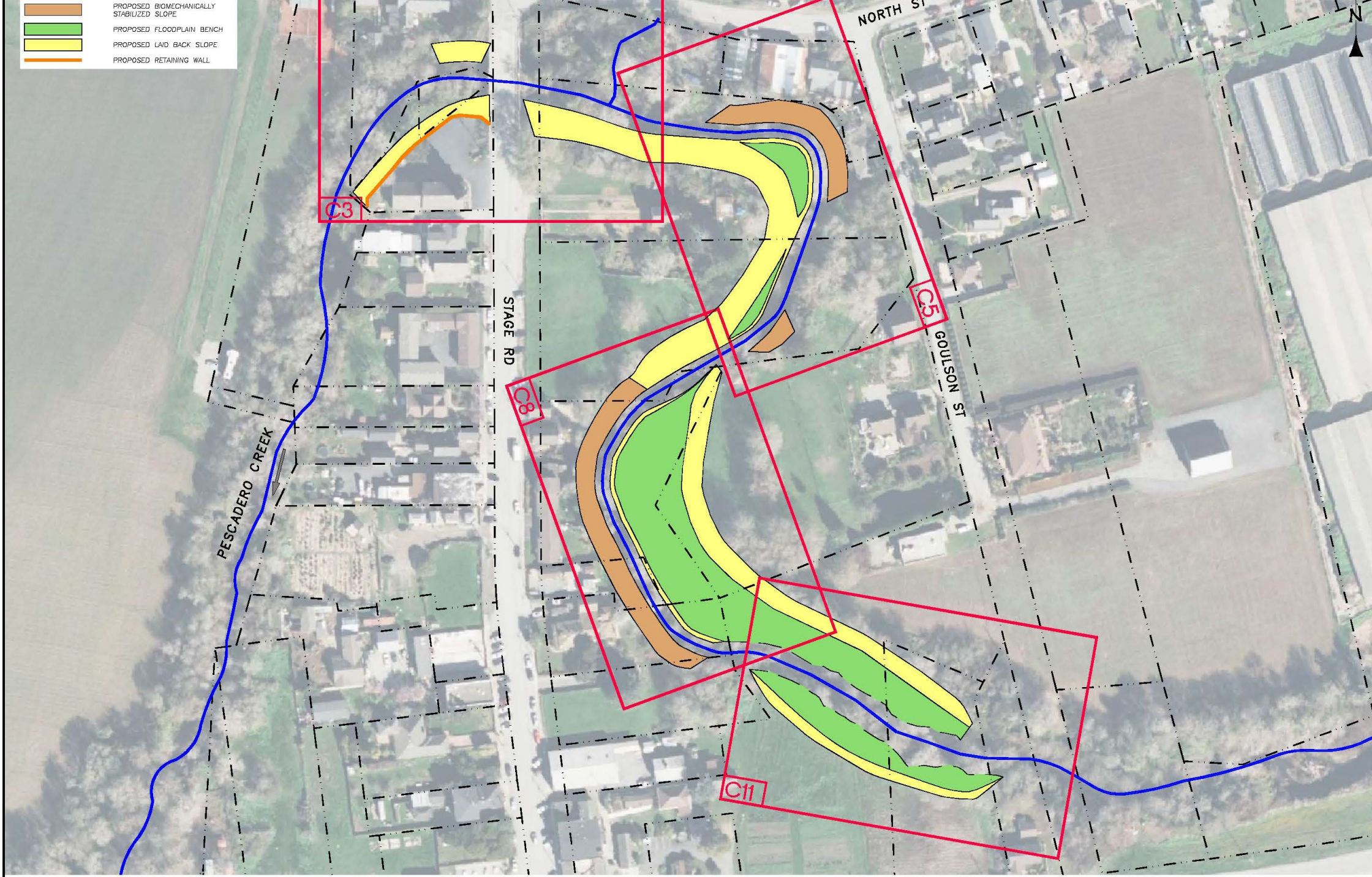
RCD Solutions

- Boots on the ground
- Across jurisdictions, boundaries
- Public and private lands
- Appropriate scale
- Holistic
 - Protect environment, properties, people
- Trusted brokers
 - Non-regulatory, confidential
 - Direct assistance





- PROPOSED BIOMECHANICALLY STABILIZED SLOPE
- PROPOSED FLOODPLAIN BENCH
- PROPOSED LAID BACK SLOPE
- PROPOSED RETAINING WALL



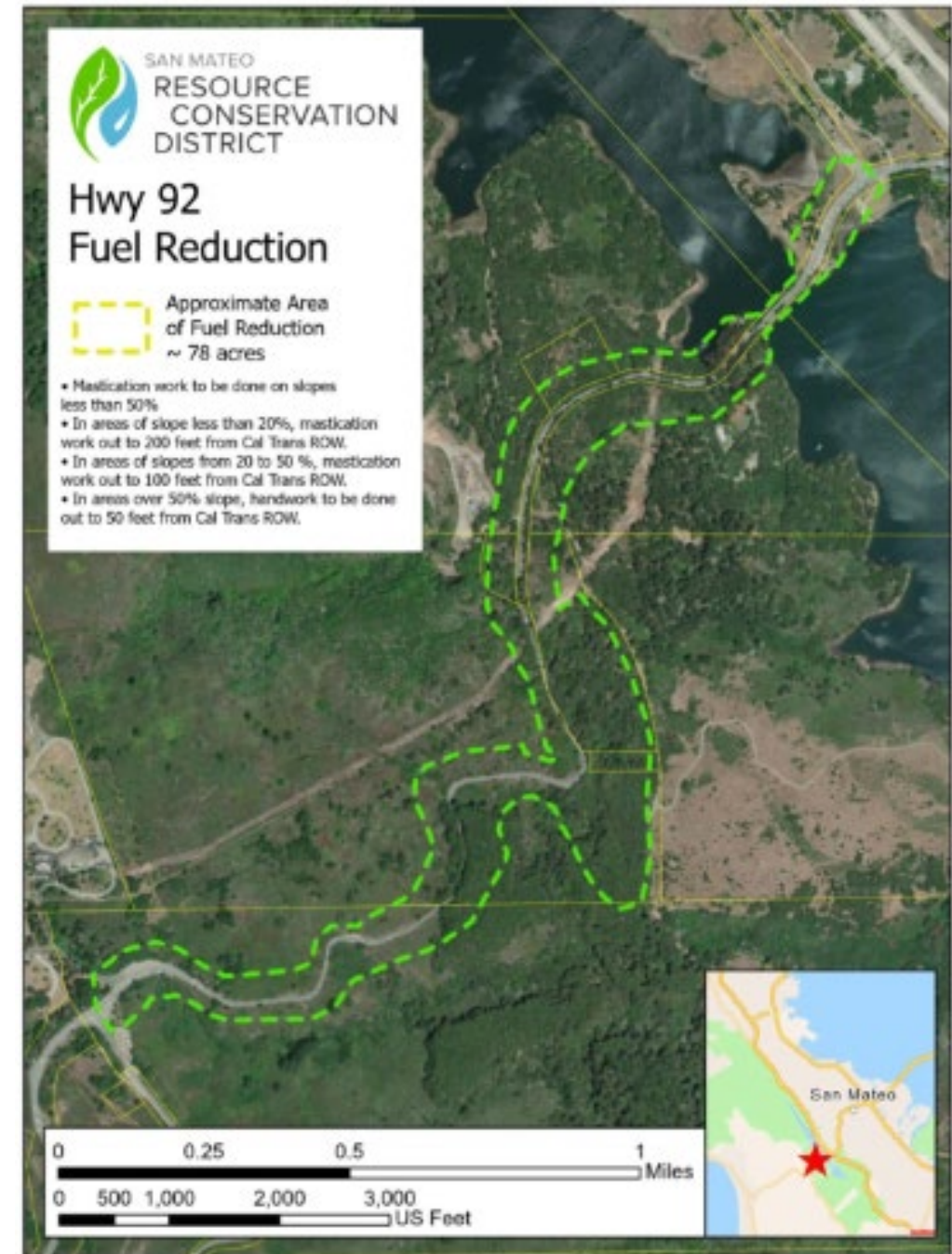






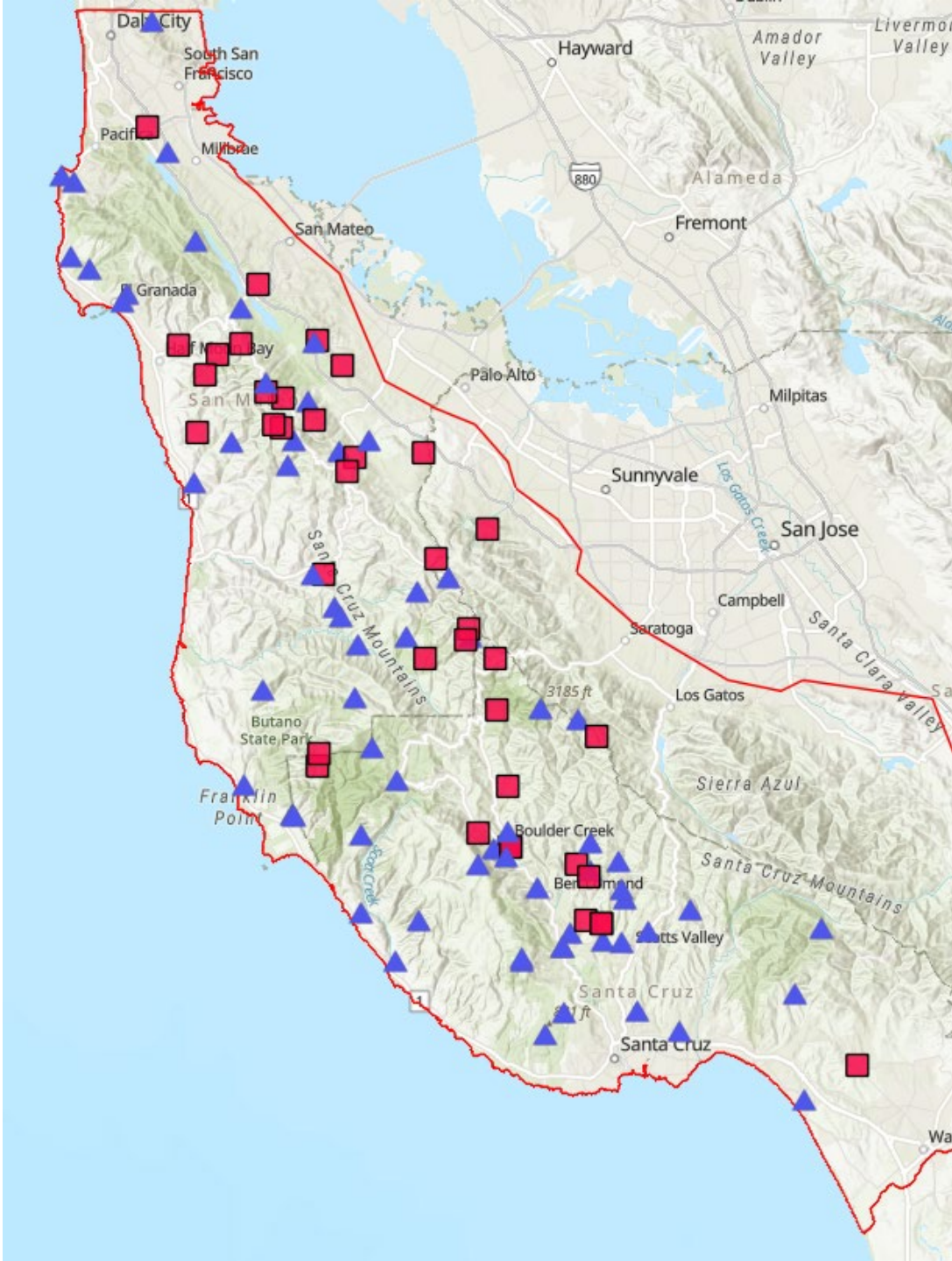
Measure K Highlights

- \$2M leveraged \$24 million
 - Fuel breaks
 - Forest management
 - Neighborhood Chipper Program
 - Hazard mitigation and emergency response
 - Streamlined permitting
 - High tech mapping









Santa Cruz Mountains Regional Priority Plan

- ⑩ Identifies priority forest health and wildfire resilience projects
- ⑩ Across three counties
- ⑩ Funded by the State to facilitate regional funding
- ⑩ 107 projects submitted, 55 in SMC

Innovation

- Permitting
 - Coastal Commission
 - CEQA
- High tech vegetation mapping
- Collaboration
 - Landscape scale
 - Cross- sector





Thank you!

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