

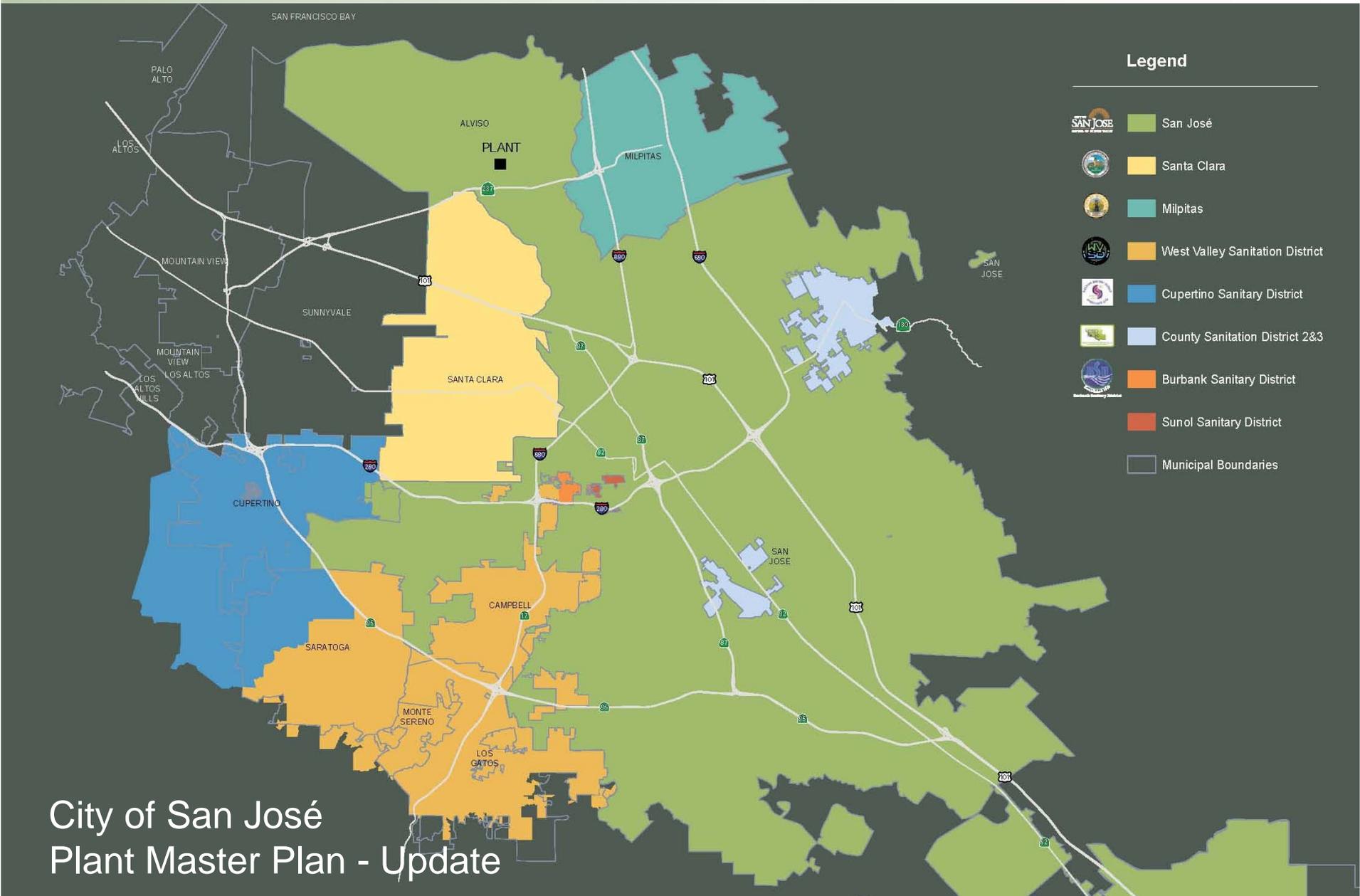
SJ/SC Water Pollution Control Plant BACWA Annual Meeting – Jan 29, 2009



Plant Master Plan



Plant Service Area



Legend

-  San José
-  Santa Clara
-  Milpitas
-  West Valley Sanitation District
-  Cupertino Sanitary District
-  County Sanitation District 2&3
-  Burbank Sanitary District
-  Sunol Sanitary District
-  Municipal Boundaries

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Plant Facilities and Bufferlands



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What is the Plant Master Plan?

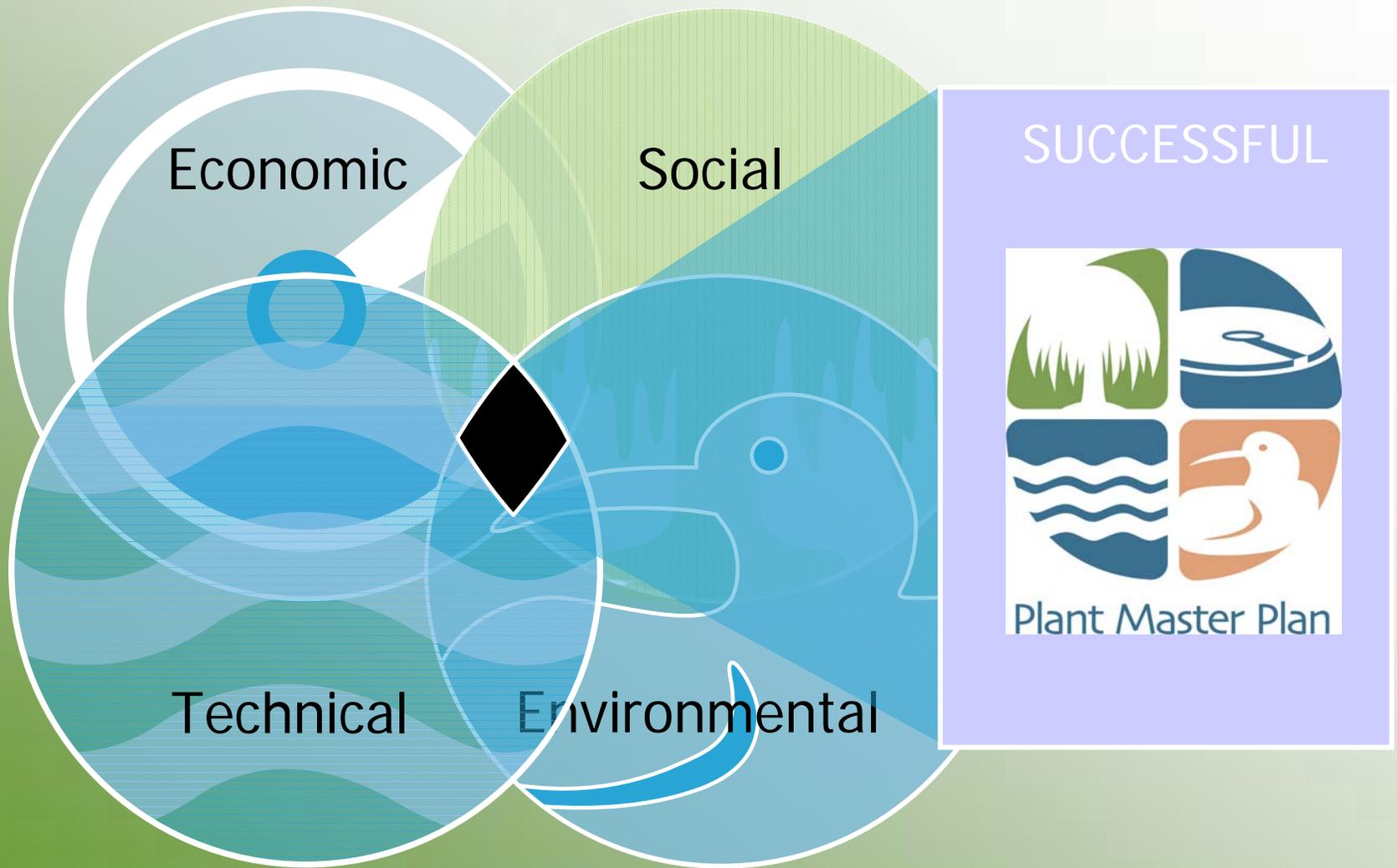
- 30-year planning document for the Plant's facilities, operations, and land use. Sewer Master Plan separate.
- Carollo Engineers is lead consultant for the 3-year contract
- **Final products include:**
 - 30-year CIP
 - Buffer Lands Plan
 - Staffing Plan
 - Programmatic EIR/EIS



Plant Master Plan must address four major drivers:

- Aging Infrastructure
- Population Growth
- Regulations
- Community Values

“TRIPLE PLUS BOTTOM LINE”



Broad Alternatives Development



Exploratory Workshop Sequence



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Ecological Benefits

Living Museum



Recycled Water



Burrowing Owls



Community Benefits

Recreation Trails



Sports Fields



Water Recreation



Economic Benefits

Solid Waste Processing



Solar Power



Waste-to-energy



Co-locating Industries



Knitting the Area Together



Bright Water Waste Water Treatment Facility, Seattle

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Outreach and Engagement



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Visioning Workshop



UV Disinfection



Baleen Filters
The Future in Micro-Screening

Algal Turf Scrubber



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Data Collection and Benchmarking



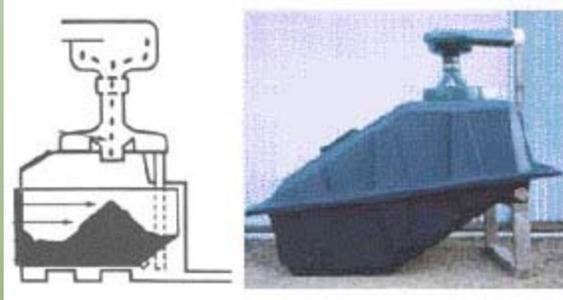
Current Solar Drying Beds ~800 acres



Greenhouses ~ 20-200 acres

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Technical Workshop



Waste Separators



Upstream Interventions



Coyote Valley or Other Satellite Plant Opportunities



Wetlands Restoration

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Technical Workshop



Water Conservation



Regulatory Triggers



Munich Digesters and New Technologies

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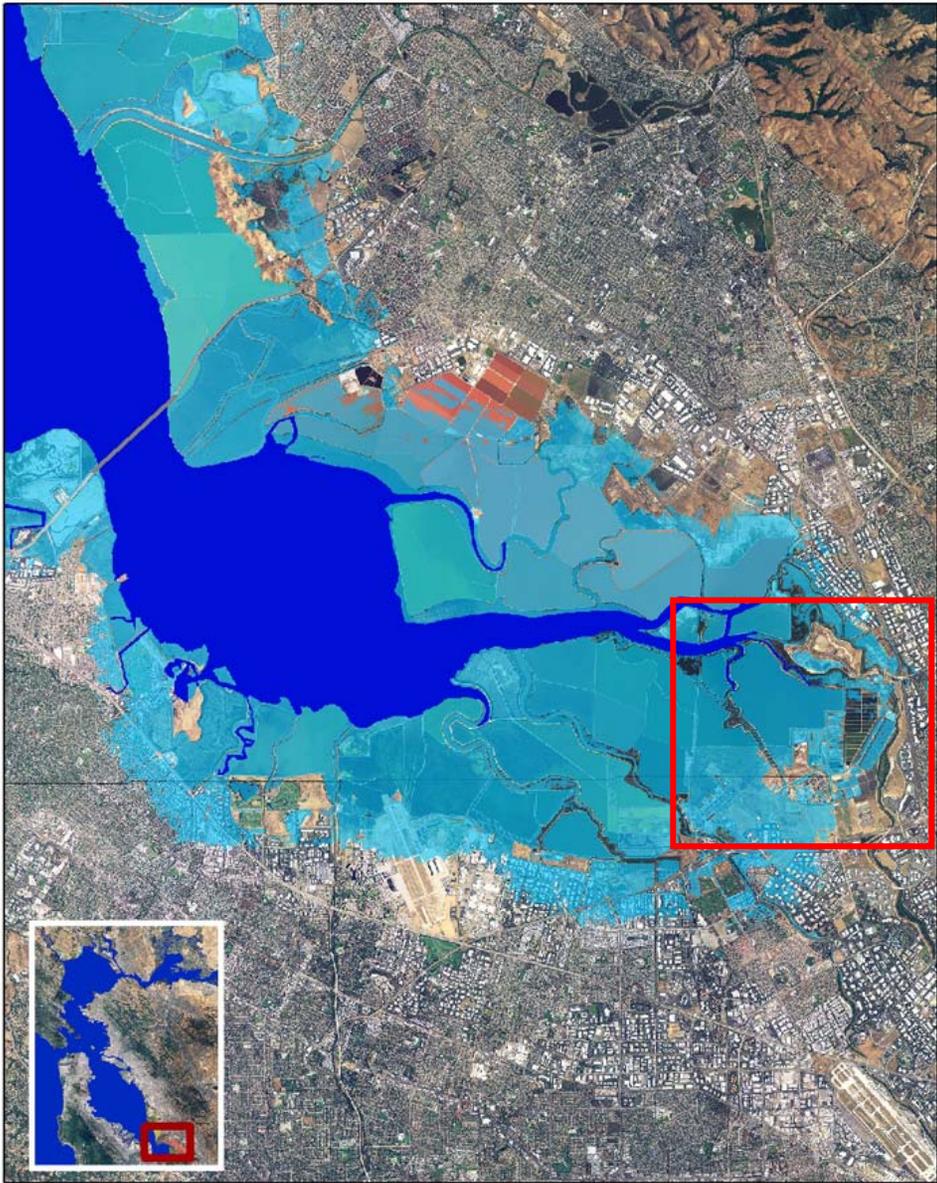
Land Use Workshop



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San Francisco Bay Scenarios for Sea Level Rise - South Bay



0 0.5 1 2 3 Miles

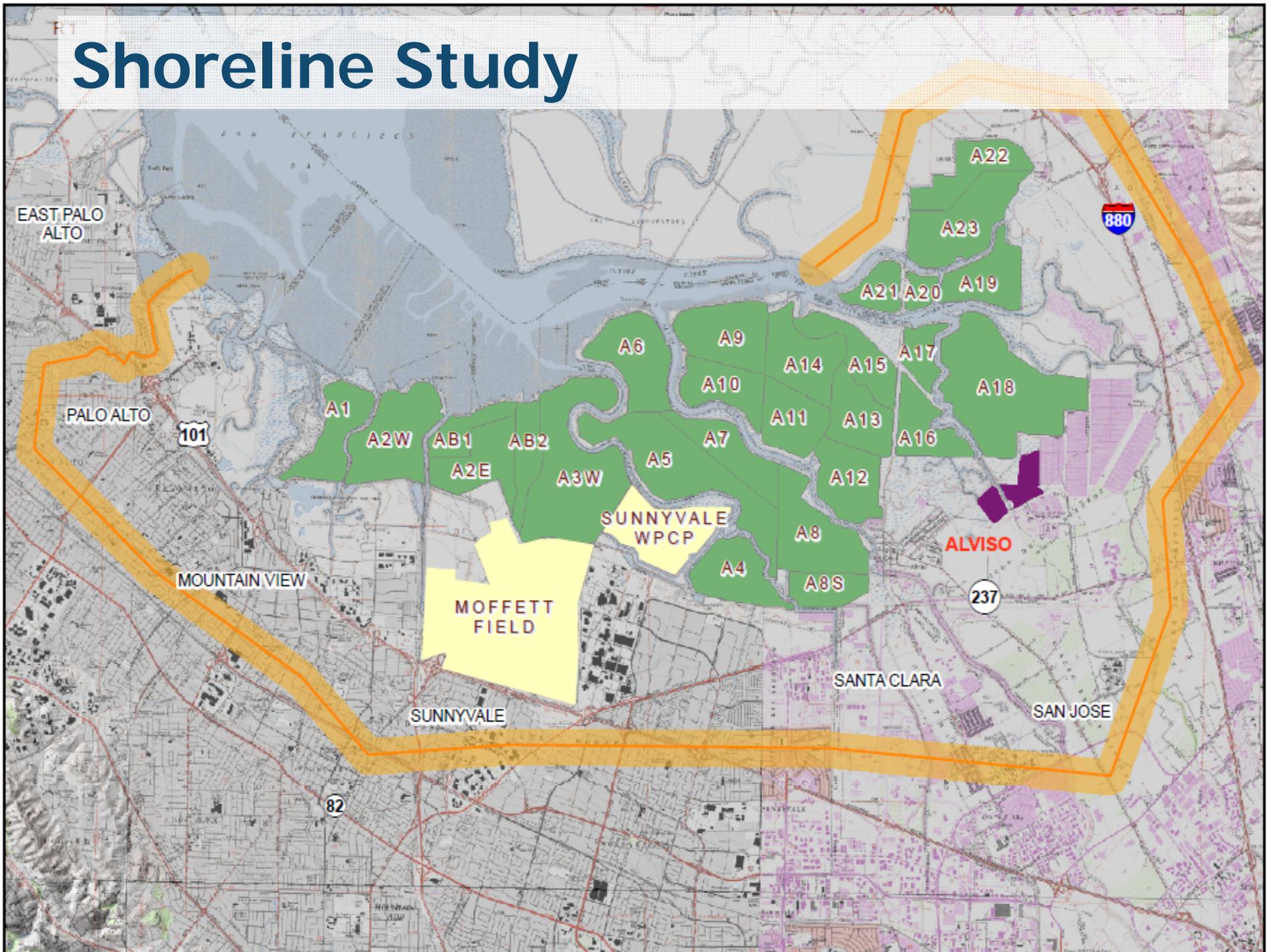
N

San Francisco Bay
1 m sea level rise

bcdc

Map is based on USGS 2m DSM and National Agriculture Imagery Program data. Map is illustrative and depicts a potential inundation scenario in 2100. Limitations in the geospatial data available may effect accuracy. Map should not be used for planning purposes.

Shoreline Study



Plant Master Plan: Contacts

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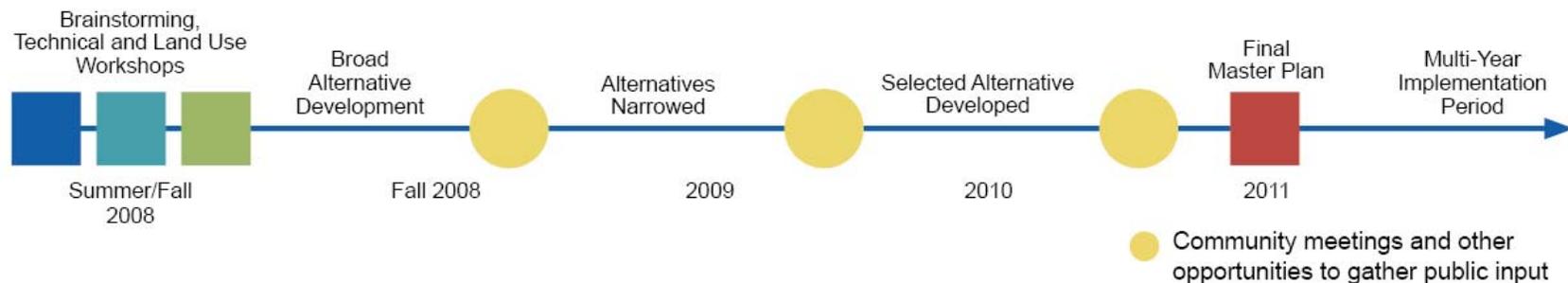
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