# Recycled Water Construction, Connections & Community Outreach

WateReuse Association Northern California Chapter Meeting Friday, February 24, 2017

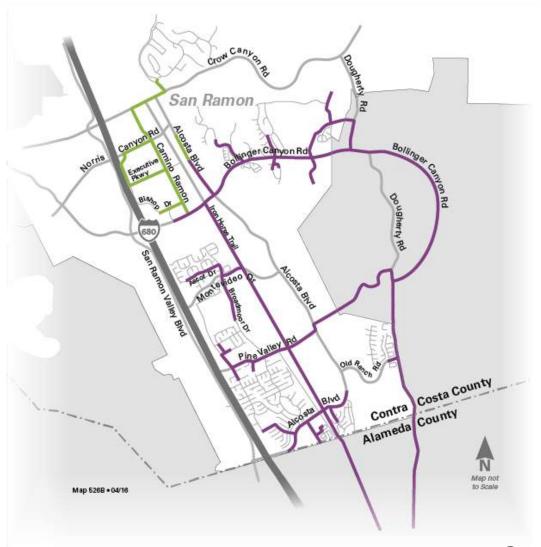
> Ben Glickstein East Bay Municipal Utility District



## San Ramon Valley Construction

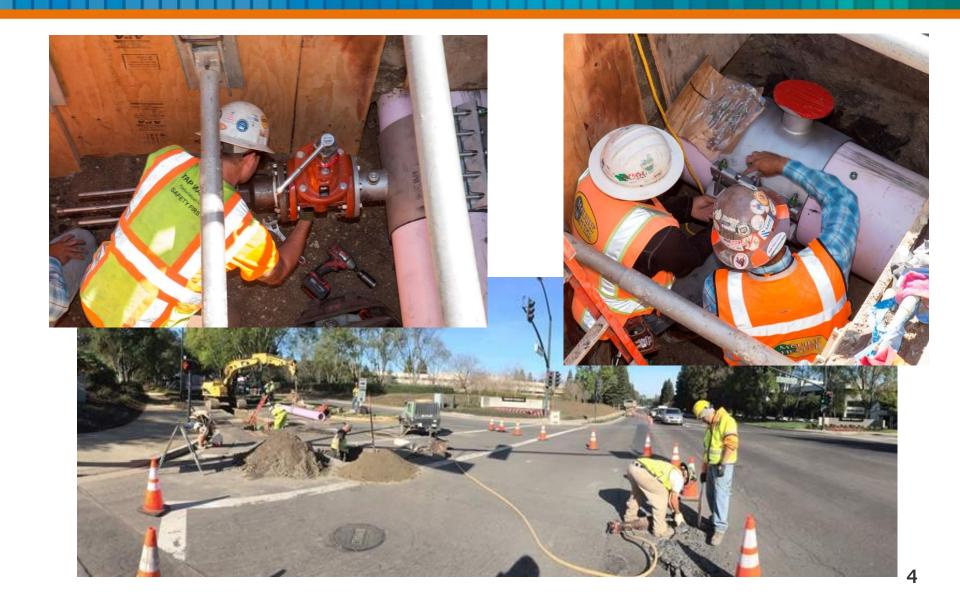


- Phase 2: Summer 2015 to Summer 2016.
- Project elements
  - Bishop Ranch businesses
  - Bus routing
  - Plating/ temporary restoration for public events
  - Laterals and paving moratorium



## **Construction Activity**





# San Ramon Valley Customers

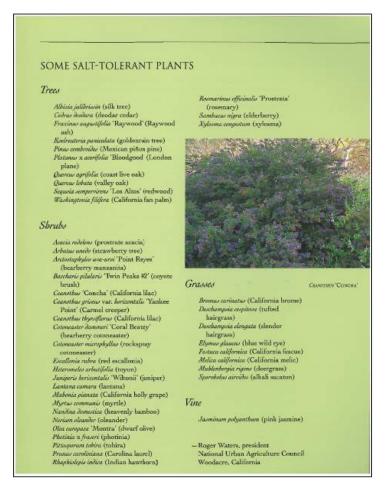


- Cross-connection testing
- Quality/ safety
  - Worker health
  - Salt tolerance of plants
  - Irrigation components

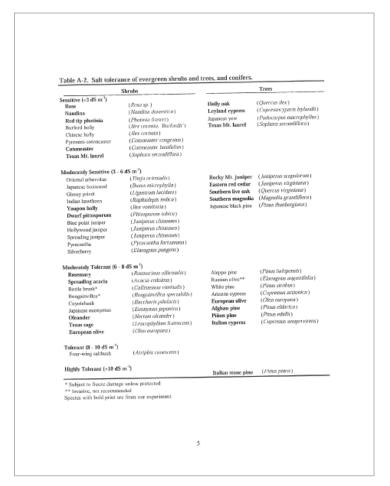


#### Salt Sensitivity





EBMUD Plant Book, 2005



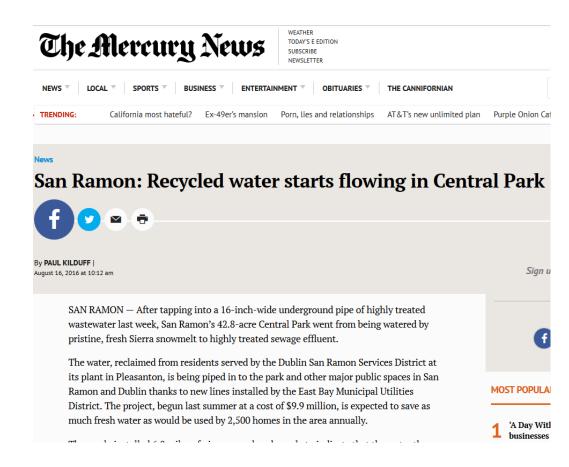
Texas A&M/El Paso Water Service Salt Tolerant Tables, 2004

#### Media Coverage



- Mercury News & KTVU
- Follow-ups on 2015 construction start stories

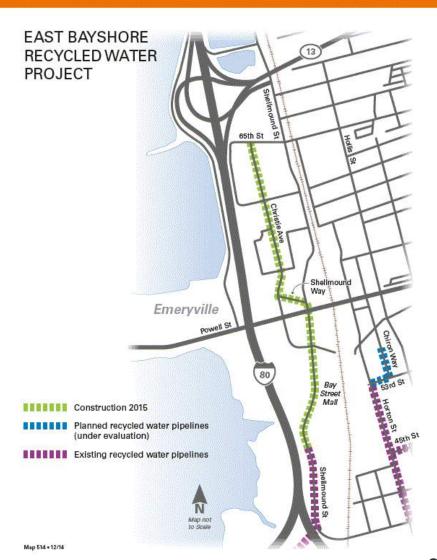




#### **Emeryville Construction**



- Phase 1A: Summer 2015 to Summer 2016.
- Project elements:
  - Busy commercial area
  - Creek crossing
  - Holiday moratorium
  - Construction contract delay



## **Construction Activity**







#### **Recycled Water for Construction**



- EBMUD provides recycled water for commercial use at our West Oakland fill station
- It was a priority to ensure that our contractor used the nearby fill station for construction uses



#### **Emeryville Customers**



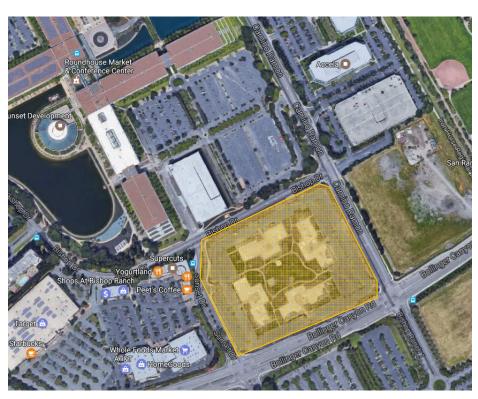
- Cross-connection challenges
  - Hotels: full shut-down test is challenging
  - Considering possible alternate crossconnection tests



#### **New Development**



- As construction progresses, development also continues.
- EBMUD retrofits existing customers, but not new customers
- Cases:
  - City Center Bishop Ranch
  - Emeryville developments
  - Station House development



Bishop Ranch City Center under development in San Ramon

#### **Lessons Learned**



#### Construction

- · Coordinate with transit, HOAs, developments to provide for unique needs.
- Use recycled water for construction if feasible.
- Identify existing customers and possible new developments along project alignment.

#### **Customer Communication**

- Always include mention of recycled water's benefits to the customer and the district.
- Communicate early about recycled water service, including cross-connection and self-monitoring requirements.
- Answer questions about recycled water quality promptly and thoroughly to avoid concern and misinformation.

#### **Contact Me**





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