



# Water Supply Review

Bay Planning Coalition

September 9, 2022



# Overview

- Marin Water Overview
- Drought Response
- Water Supply Resiliency Roadmap
- Next Steps

# Marin Water Overview

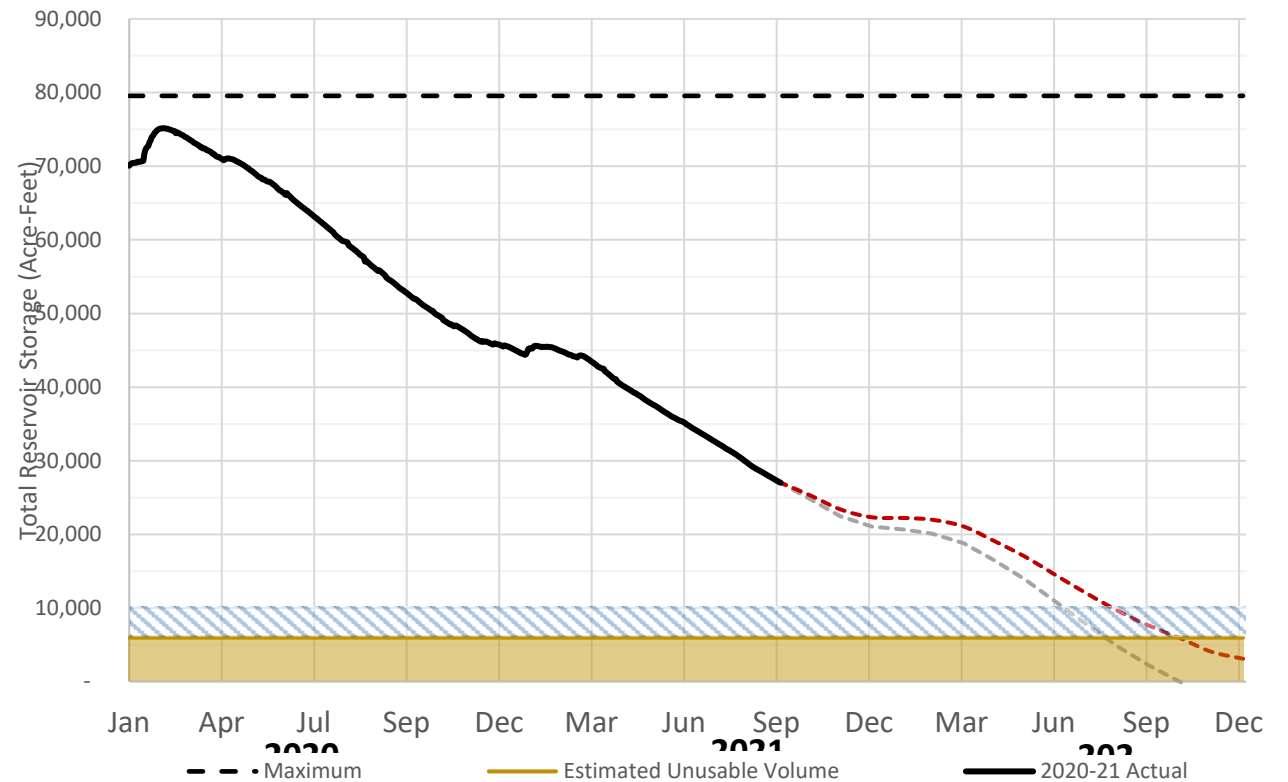
- California's oldest municipal water district (Chartered in 1912)
- Marin County's largest drinking water provider, serving more than 191,000 people in central and southern Marin
- Protecting and preserving 22,000 acres of watershed land on Mt. Tamalpais



# Drought Conditions

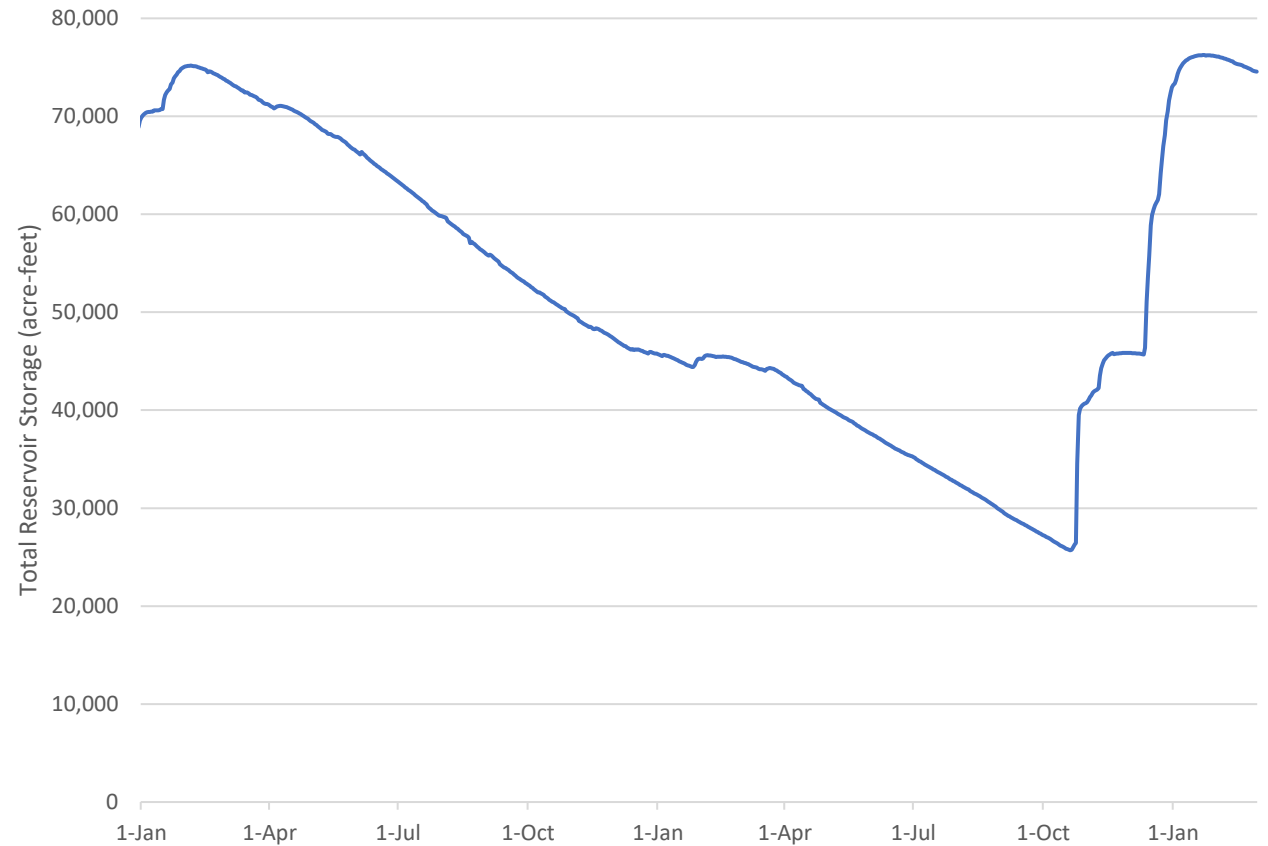
- Severe drought conditions 2020-21
  - Less rainfall than '76-'77
  - 2021 water year was second driest in 150 yrs of data
- Reservoir levels dropped historically low
- Planning efforts for an emergency water supply intertie

Fall 2021 Reservoir Projections



# Current Water Supply Conditions

- Record high rainfall events in October & December 2021
- Storage levels have improved drastically:
  - Current storage levels 106% of historical average



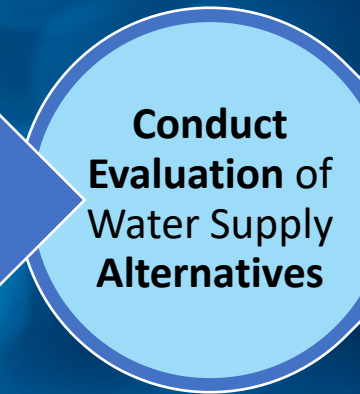


# Strategic Water Supply Assessment: Key Project Scope Elements

Understanding Current Risks & Establishing Goals



Identifying & Evaluating Alternatives

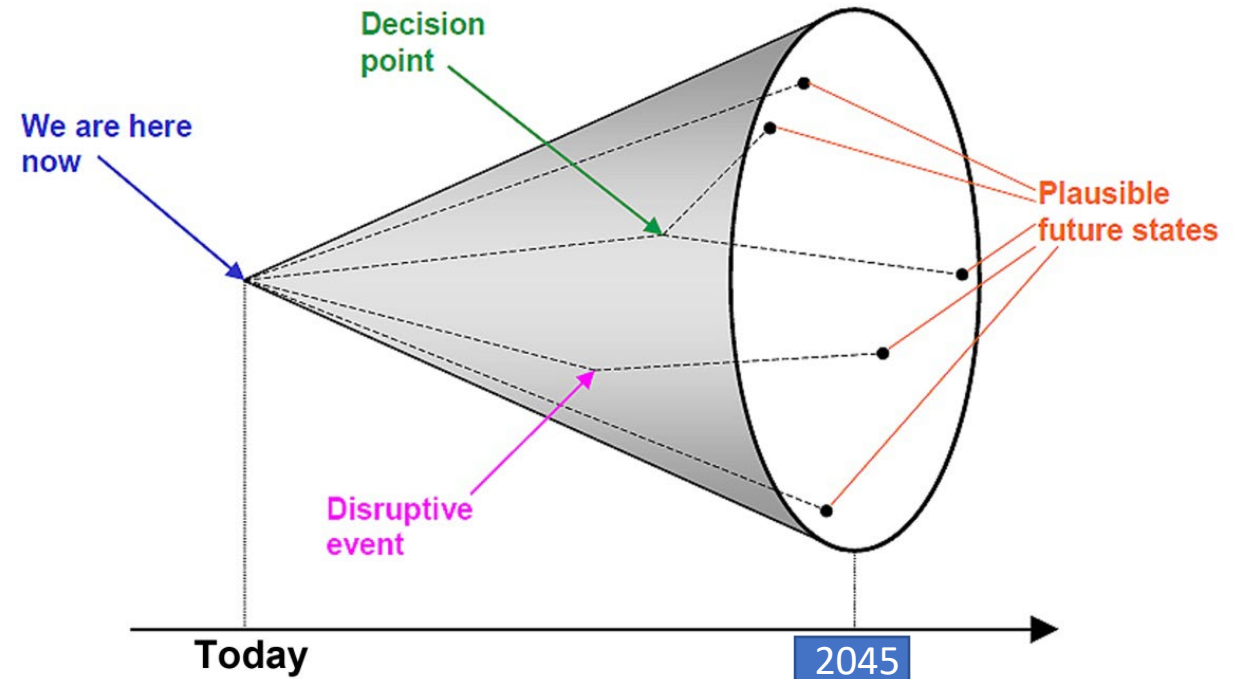


Recommendations  
& Path Forward



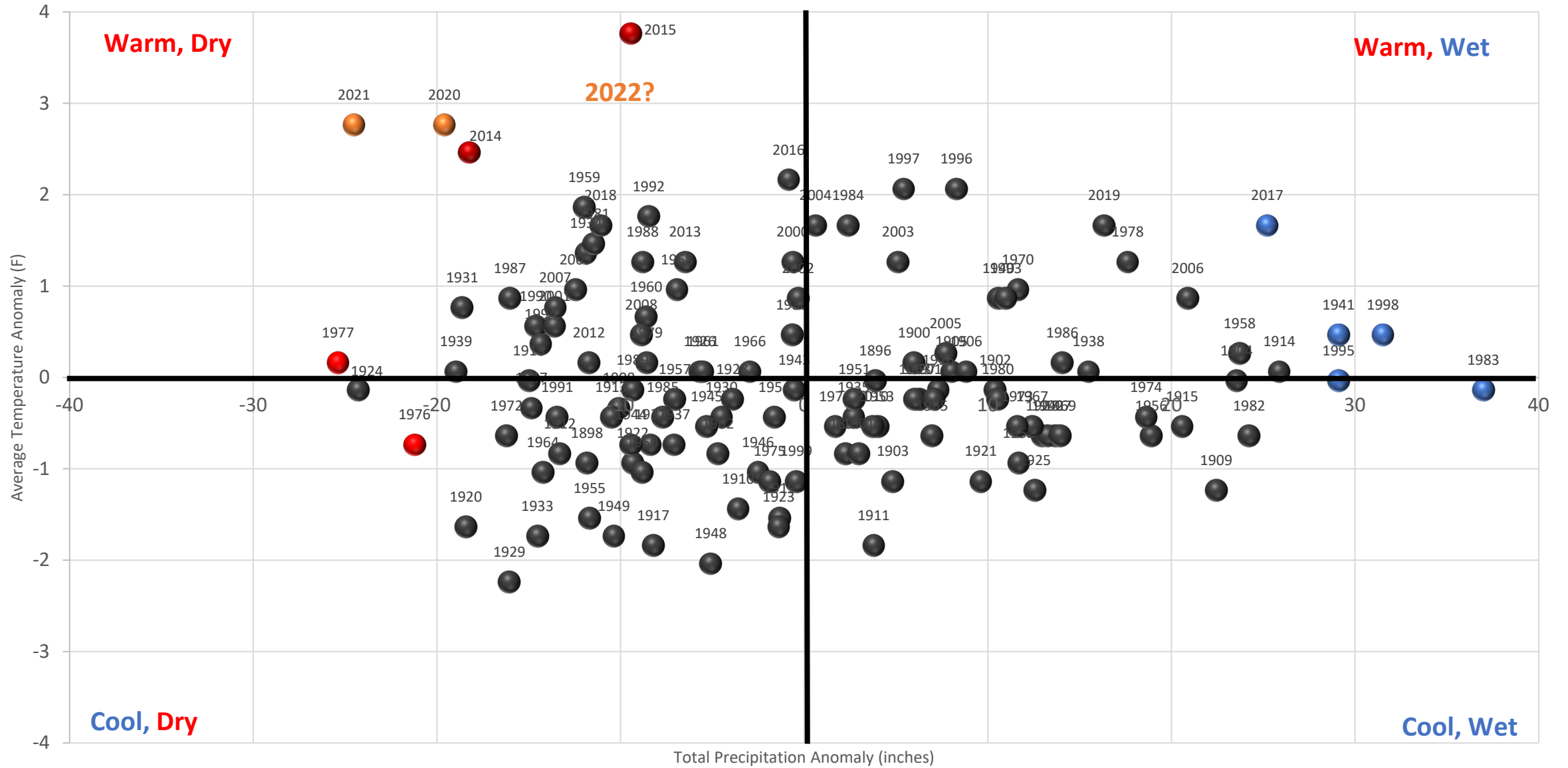
# Strategic Water Supply Assessment Process: Water Supply and Demand Scenarios

- Scenarios allow us to explore plausible future conditions and identify promising solutions
  - Historical droughts
  - Climate projections
  - Paleo reconstructions
  - Stress tests



*Scenarios are alternative views of how the future might unfold. Scenarios are not predictions or forecasts of the future*

# Marin County Water Year Average Temperature and Total Precipitation Anomaly (1886-2021)





## Marin County Water Year Average Temperature and Total Precipitation Anomaly (Climate Projections 2005-2099)



# Water Management Alternatives under Consideration

- Conservation
- Desalination
- Recycled Water
- Local Surface Storage
- Sonoma-Marin Partnerships
- Water Purchases with Conveyance through Bay Interties

# Summary

- Continue efforts on Water Use Efficiency (currently at 25% conservation)
- Develop Water Supply Resiliency Roadmap by end of 2022
- Continue efforts on regional collaboration and partnering

