

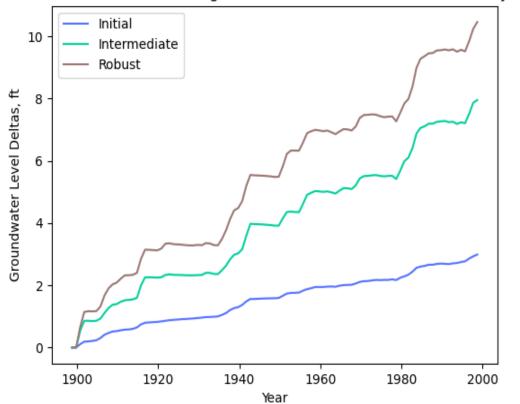
## Methodology

- Compute water year annual averages from the monthly DWR data
- Analyze and plot basin-wide spatial averages and for various special management zones
- Calculate the minimum values as well as other descriptive statistics (in progress)
- Calculate groundwater pumping costs using

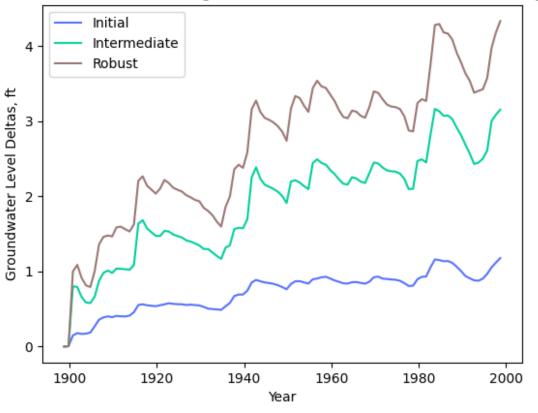
$$P = \frac{Q\rho gh}{\eta_t}$$

# Metric: Water Supply Reliability

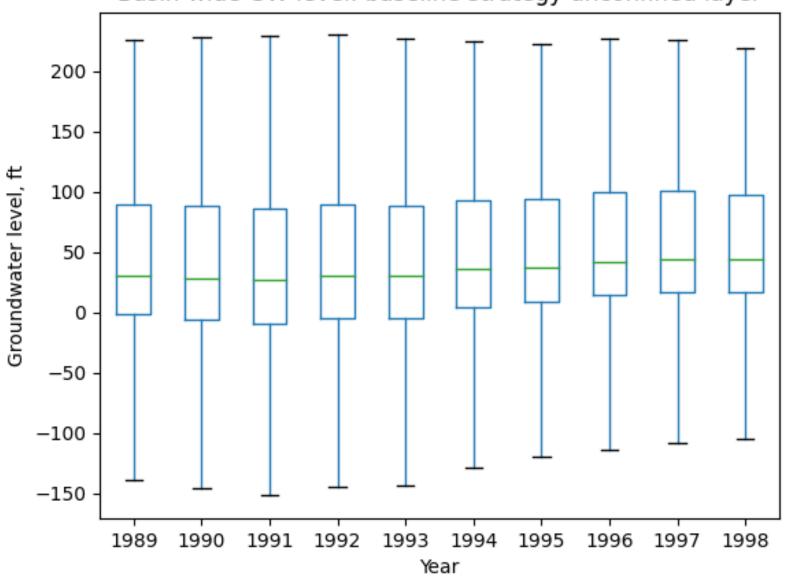
Basin-wide annual average GW relative to Baseline: confined layer



Basin-wide annual average GW relative to Baseline: unconfined layer

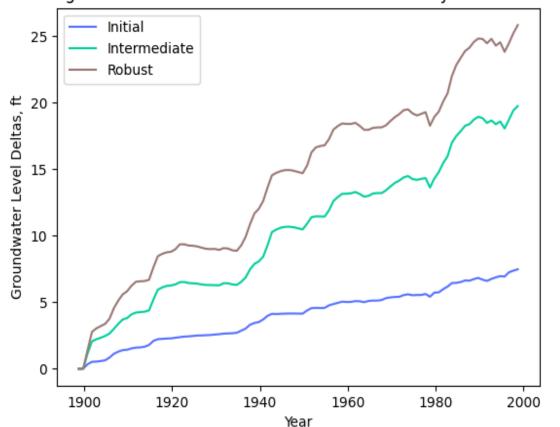


Basin-wide GW level: baseline strategy unconfined layer

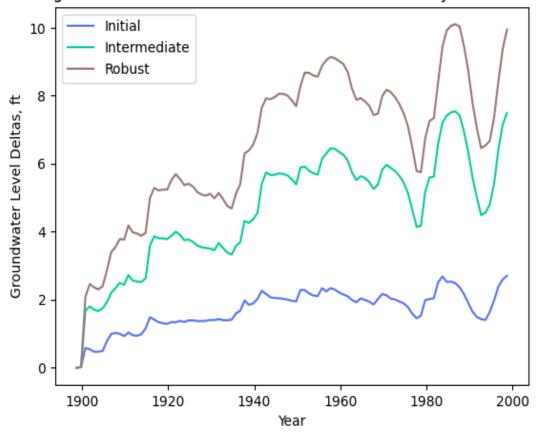


## Metric: Groundwater Dependent Communities

Average annual GW relative to Baseline: confined layer under GWD's

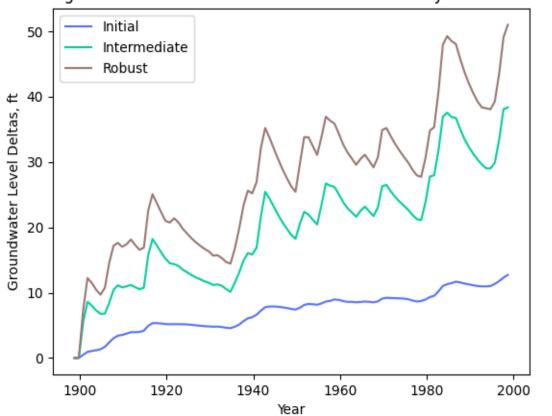


Average annual GW relative to Baseline: unconfined layer under GWD's

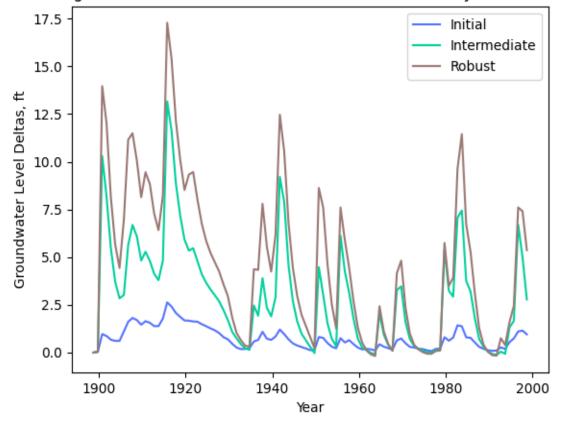


#### Metric: Disadvantaged Communities

Average annual GW relative to Baseline: confined layer under DAC's

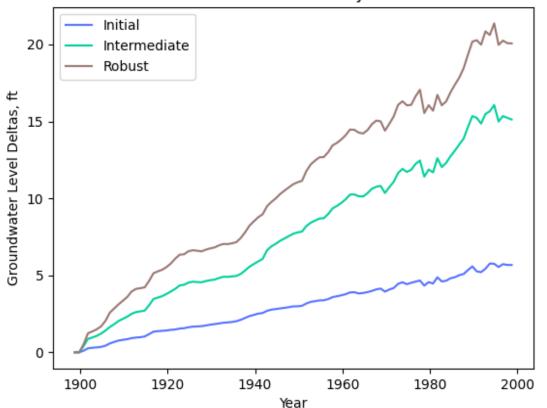


Average annual GW relative to Baseline: unconfined layer under DAC's

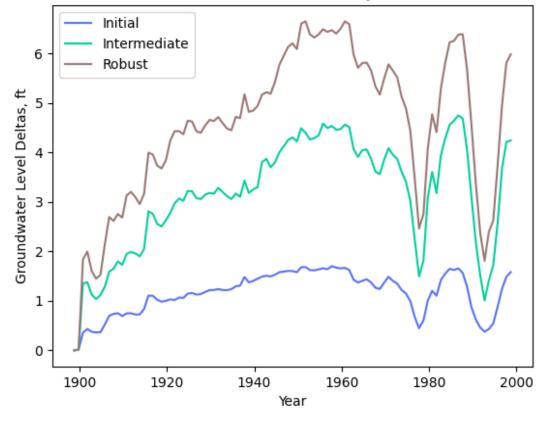


#### **Metric: Subsidence Zones**

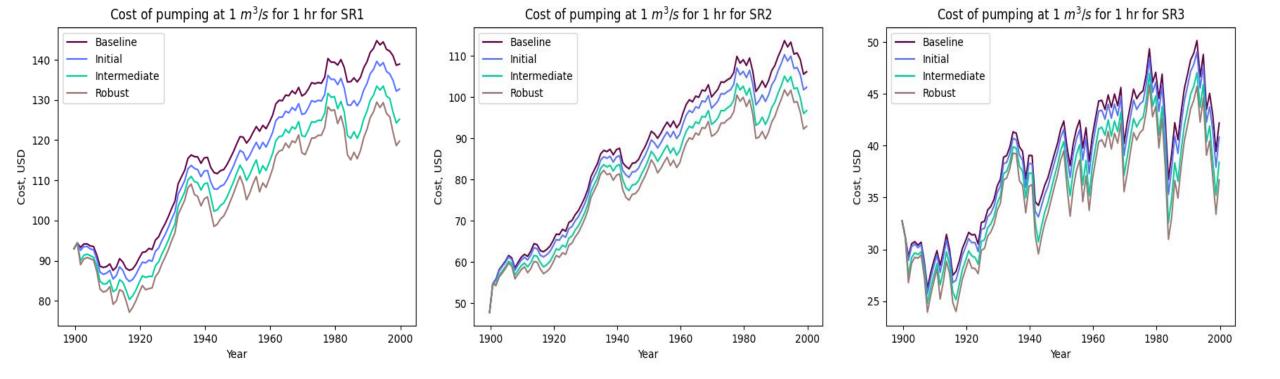
Annual GW relative to Baseline: confined layer under subsidence areas



Annual GW relative to Baseline: unconfined layer under subsidence areas



# **Metric: Pumping Cost**



# **Moving Forward Plan**

Interpretation SGMA final report of results

Final presentation/ showcase

