



In association with



On behalf of the City of Beaumont



City of Beaumont AMMP Phase I Report Presentation

June 17, 2025

Agenda

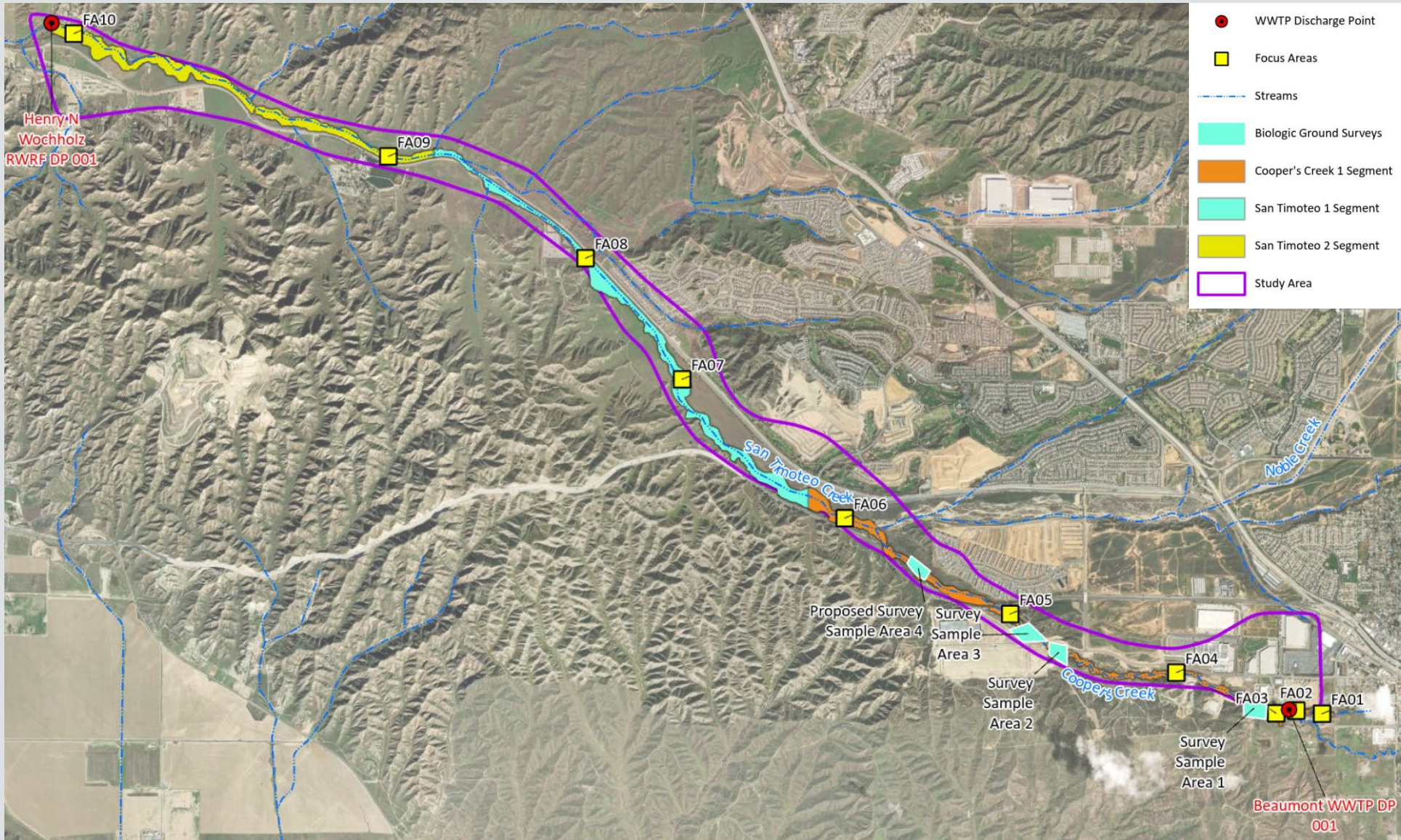
1. Draft Phase 1 Report

- i. Overview
- ii. Performance Criteria
- iii. Key Takeaways

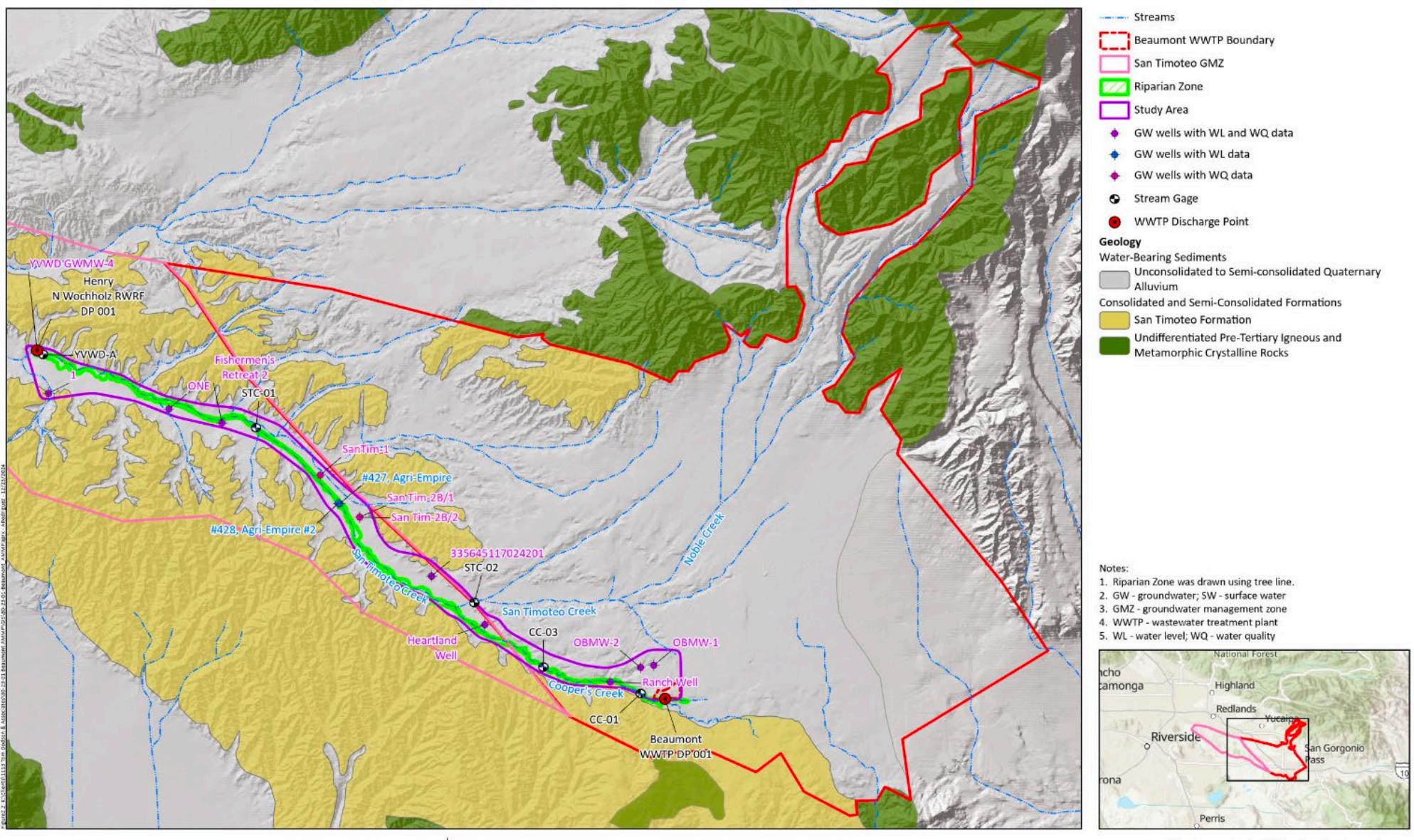
2. Recommended next steps

- i. Scenario 1 – perform baseline monitoring and file 1211 permit with reduced discharge of 1.7 MGD
- ii. Scenario 2 – perform baseline monitoring and explore a reduced discharge below 1.7 MGD through modeling

Draft Report – Overview



Draft Report – Overview



Draft Report – Key Takeaways

- Increased discharge from 2004 to 2023 resulted in a noticeable increase in riparian habitat health
- Riparian ‘health’ from 1984 to 2003 indicated ‘stable’ conditions
- Groundwater levels remained stable while surface water increased
- Discharge in 2003 was 1.7 MGD or 1,900 AF per year, which represents the maximum discharge between 1984 and 2003

Reduction to 1.7 MGD would likely sustain groundwater levels and riparian habitat health

Draft Report – Performance Criteria



Riparian habitat will not be adversely affected by reduction in discharges



Minimum discharges will be maintained to levels determined necessary to sustain habitat along the Study Area that have historically benefited from WWTP discharges



Flow Reduction, reductions in discharge should be done in a manner that results in surface water flows that mimic the natural seasonal flow system, which typically begins to decay around the end of April. Higher surface water flows should be maintained in the early and peak growing season (i.e. March-May), should taper off toward the end of the growing season (i.e. June-October). Lower flows should be maintained during the dormant season (November-February).



The groundwater table in the riparian zone should be monitored to ensure that reductions in surface water flows do not result in a drop in groundwater elevations that results in a negative impact to the riparian habitat health

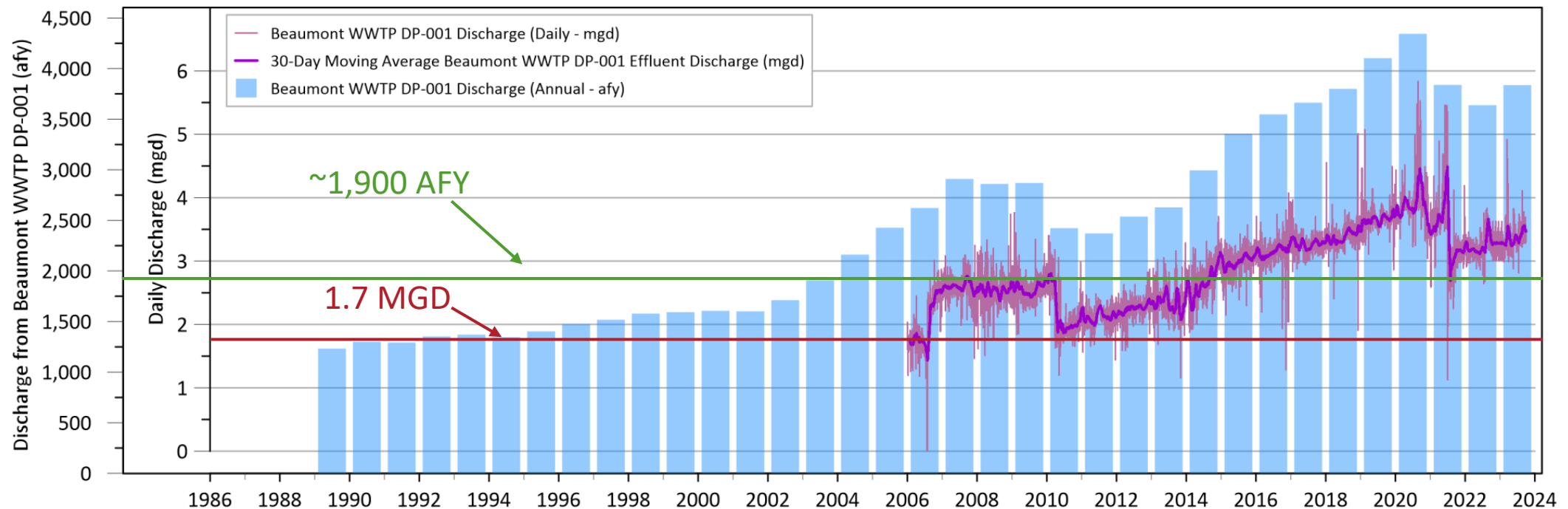
Recommended Next Steps

1. City chooses between two Scenarios:
 - i. Scenario 1 – reduce discharge to 1.7 MGD
 - ii. Scenario 2 – reduce discharge below 1.7 MGD
2. Based on which scenario the City chooses, implement the following:
 - i. Baseline monitoring program (Scenario 1)
 - ii. Model the hydrologic system and its response to a suite of reduced discharges, and implement the baseline monitoring program (Scenario 2)
3. Move forward with CEQA Process
 - i. CEQA document would need to address AMMP and the 1211 Permit (i.e. project(s) addressing how and where the City wishes to utilize recycled water above selected Scenario discharge amount (1.7 MGD or less)
 - ii. CEQA cost estimate in TDA's original proposal addressed CEQA for AMMP only, expect approximately a 35-50% increase in cost for the CEQA Task.

Scenario 1 – reduce to 1.7 MGD

- City would file a 1211 permit using 1.7 MGD utilizing the technical basis from the Phase 1 Report
- Reductions would occur incrementally to 1.7 MGD, and flows maintained seasonally to support riparian habitat
- Monitor impacts from reductions through a baseline monitoring program and adjust when necessary
- Timing: Monitoring would occur initially over a 2 year period

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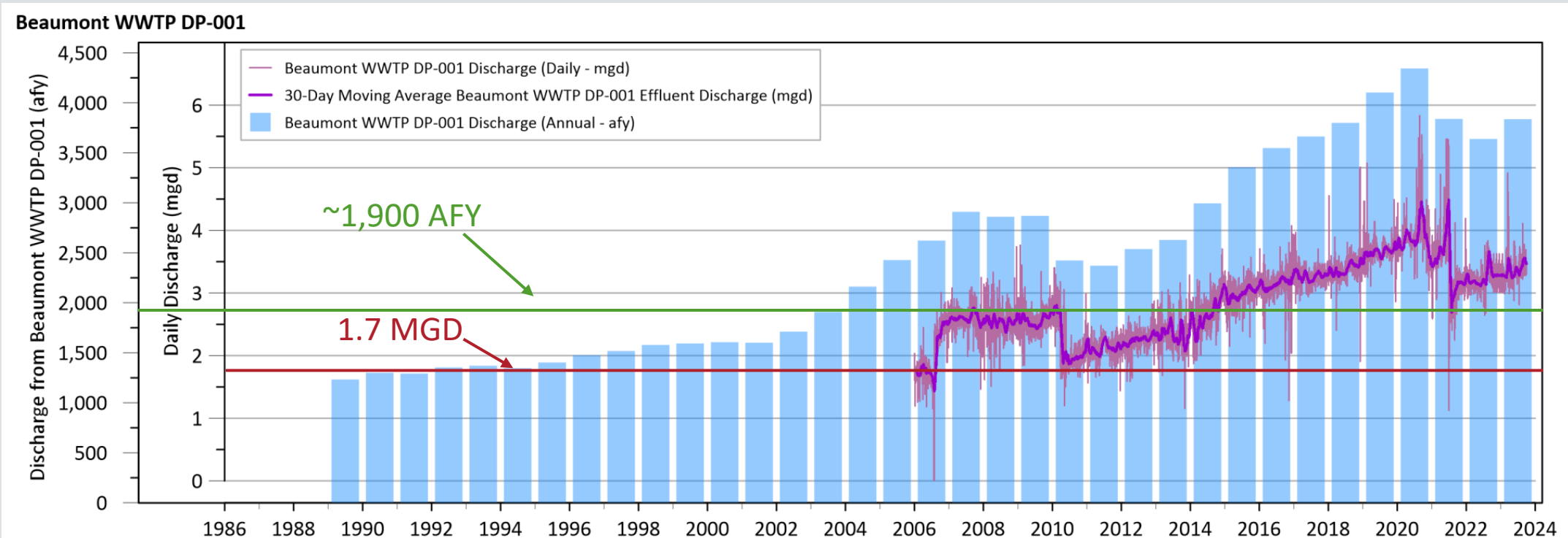


Scenario 1 – reduce to 1.7 MGD – Proposed Tasks

- **Installation Activities**
 - **Biological Baseline Monitoring**
 - **Hydrological Baseline Monitoring Activities**
 - **Reporting for Year 1 2025/2026**
 - **Reporting for Year 2 2026/2027**
- **Earliest submittal of 1211 permit: 2026**
 - This timing is contingent on the City determining how it wants to use the water above 1.7 – and is contingent on whether the completion of the CEQA process.
 - The CEQA compliance document would cover how the City wants to use the water, as well as the AMMP as mitigation to address biological and hydrological impacts from reducing the discharge

Scenario 2 – reduce below 1.7 MGD

- No current technical basis to support this scenario and a reduction below 1.7 MGD would require additional analysis
- Develop a modeling tool to perform an alternative analysis to assess reduced discharge on the hydrologic system
- Baseline monitoring would occur while the model is developed and City would file 1211 permit following modeling results
- Timing: Monitoring would occur initially over a 2 year period. Modeling would occur for 1 year after monitoring



Scenario 2 – reduce to below 1.7 MGD – Proposed Tasks

- Same Proposed Tasks as Scenario 1, as well as the following
 - Data Collection, Management, and Assessment
 - Hydrologic Conceptual Model Development
 - Rainfall-Runoff Model Construction and Calibration
 - Historical Groundwater-Surface Water Model Construction and Calibration
 - Model Scenarios
 - Modeling Report
- Earliest submittal of 1211 permit: 3-4 years from start date (2028/2029)
 - 2 years for monitoring, 1 year for modeling
 - CEQA Process would still apply

THANK YOU



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AND ASSOCIATES



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