Update on
The Regional Groundwater Facilities Project - Phase I

TRI-VALLEY WATER LIAISON COMMITTEE MEETING

October 20, 2025

ZONE 7 WATER AGENCY

Topics of Discussion

- Zone 7's Strategic Goals and Initiatives
- Project Objectives
- Zone 7's Principles of Collaboration
- Scope of Work
- Exploratory Drilling
- Potential Pipeline Routes
- Evaluating Regional Project Wells
- Potential Mutual Benefits and Next Steps
- Q&A

Zone 7's Strategic Goals and Initiatives

Strategic Goals

Initiatives

# 5	Develop a diversified water supply plan and implement supported projects and programs
# 9	Implement the PFAs Management Strategy
# 11	Manage the Groundwater Sustainability Agency and implement the Groundwater Sustainability Plan

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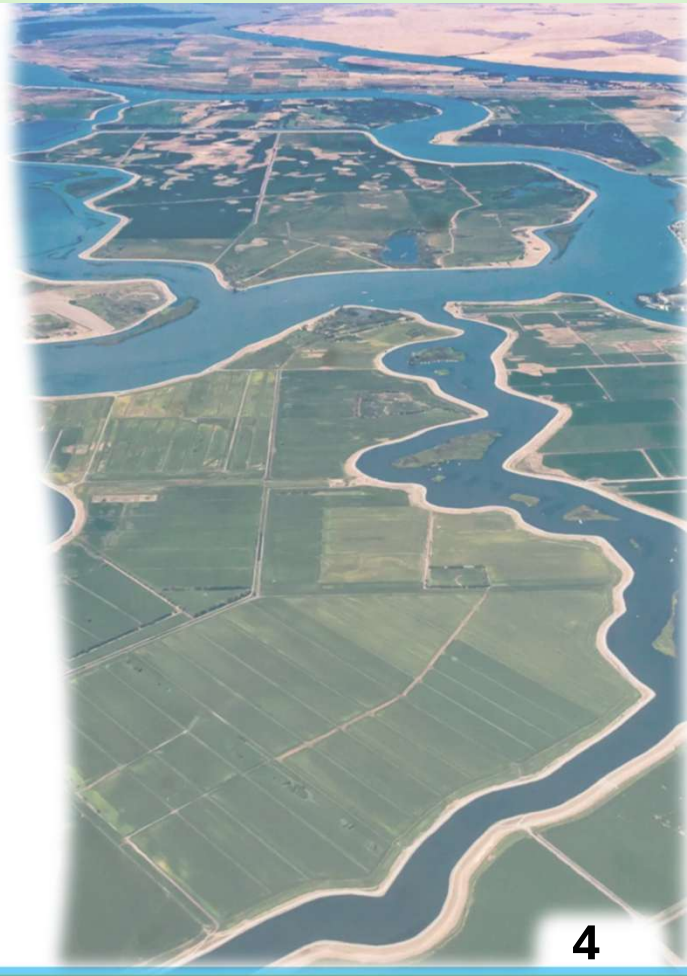
Strategic Initiative #5: Develop a diversified water supply plan and implement supported projects and programs

- Highly dependent on the State Water Project (SWP) and water supplies conveyed through the Delta
- The diverting water from the Delta has become increasingly unreliable
- The Delivery Capability Report (2023)forecasts substantial reductions in SWP delivery capability and reliability.
- The report projects meeting only 41%* to 46%** of Zone 7's entitlement in 2043
- Table A Water
- ***Diversifying water supplies is essential!***



**** 95% level of concern (Estimated Average and Dry-Period Deliveries of SWP)***

***** 50% level of concern (the central tendency) (Estimated Average and Dry-Period Deliveries of SWP)***

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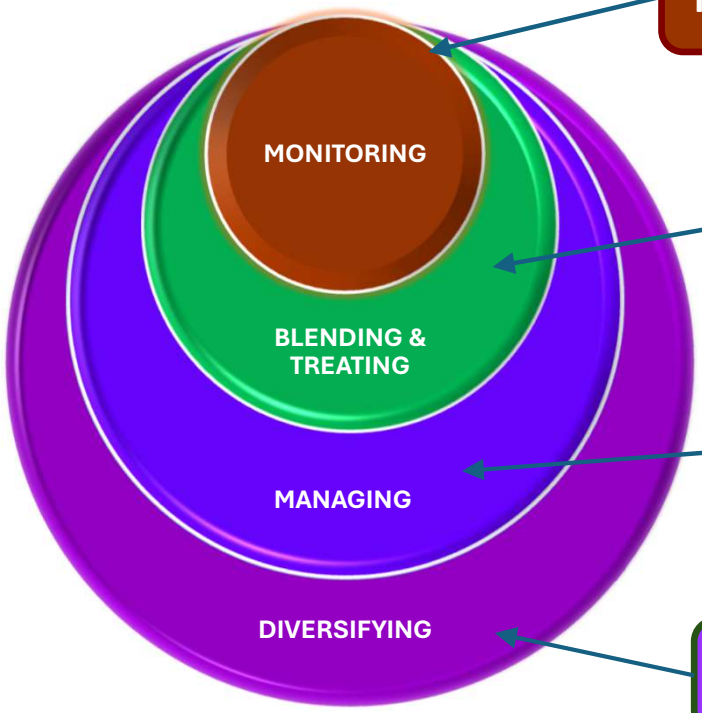
Strategic Initiative #9: Implement the PFAs Management Strategy



MONITORING to track and manage groundwater quality

BLENDING & TREATING to meet water quality standards

MANAGING GROUNDWATER QUALITY to prevent further degradation**

DIVERSIFYING GROUNDWATER SOURCES to become more resilient

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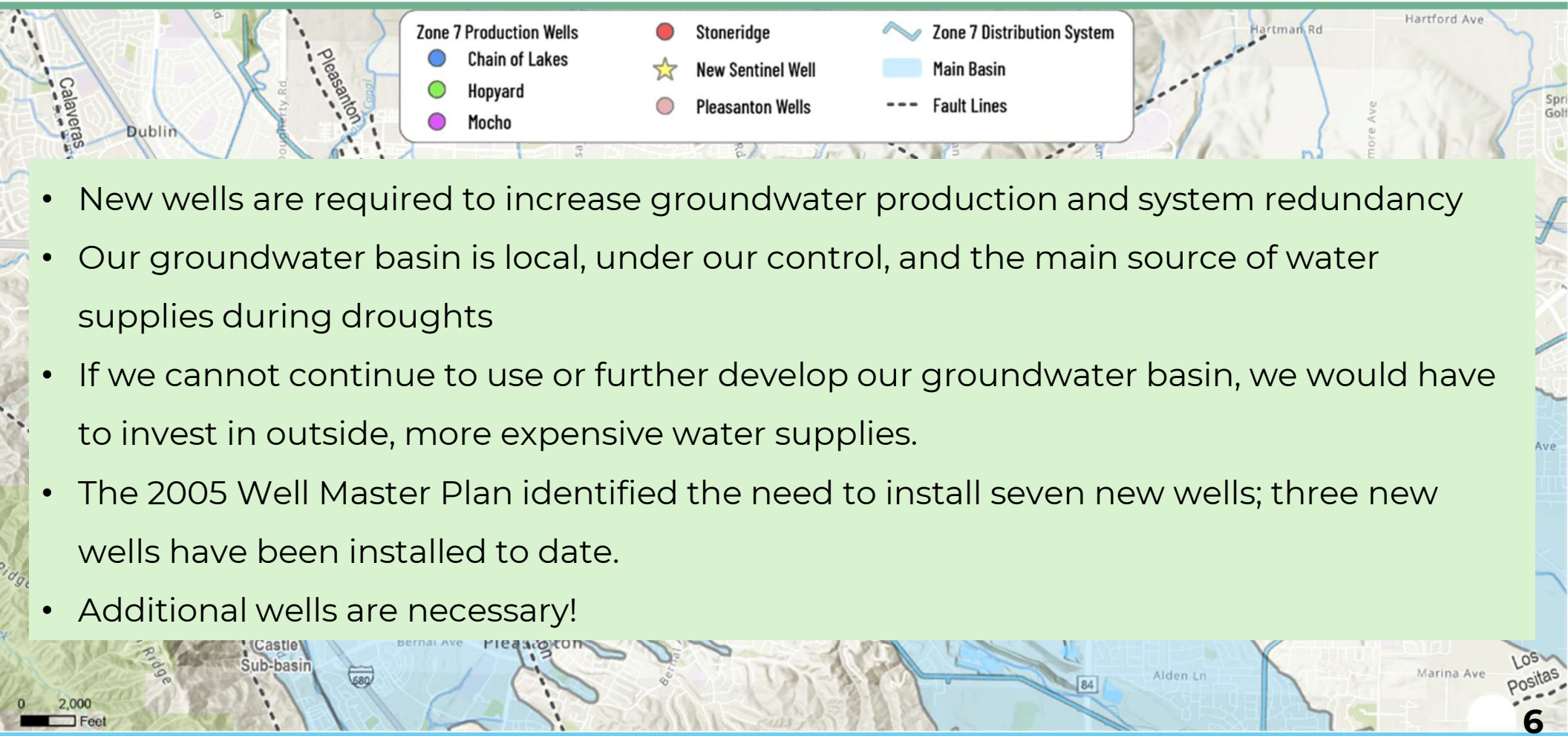
- This strategy is internally developed by Zone 7 in 2022.

** To the extent feasible

Overview Zone 7 Well Fields



- New wells are required to increase groundwater production and system redundancy
- Our groundwater basin is local, under our control, and the main source of water supplies during droughts
- If we cannot continue to use or further develop our groundwater basin, we would have to invest in outside, more expensive water supplies.
- The 2005 Well Master Plan identified the need to install seven new wells; three new wells have been installed to date.
- Additional wells are necessary!

Project Objectives

Zone 7	The City of Pleasanton
• To implement PFAS management strategy	• To recover 3,500 acre-feet of Groundwater Production Quota
• To enhance water supply reliability	• To improve water supply reliability
• To become more resilient to multiyear droughts	• To reduce wholesale water purchase costs
• To gain operational flexibility and redundancy	• To reduce operational complexity
• To achieve cost savings through economies of scale	• To achieve cost savings through economies of scale
• To minimize impact on the local community and environment	• To meet future drinking water regulations

Zone 7's Principles of Collaboration

Zone 7 Board approved the principles of collaboration on May 17, 2023:

1. Inputs from all retailers
2. No adverse operational impacts to Zone 7 or the regional water supply
3. No adverse impacts to water quality
4. No adverse impacts to the PFAs mobilization
5. Financial equity to Zone 7 and all retailers
6. Schedule that aligns with Zone 7 planning processes

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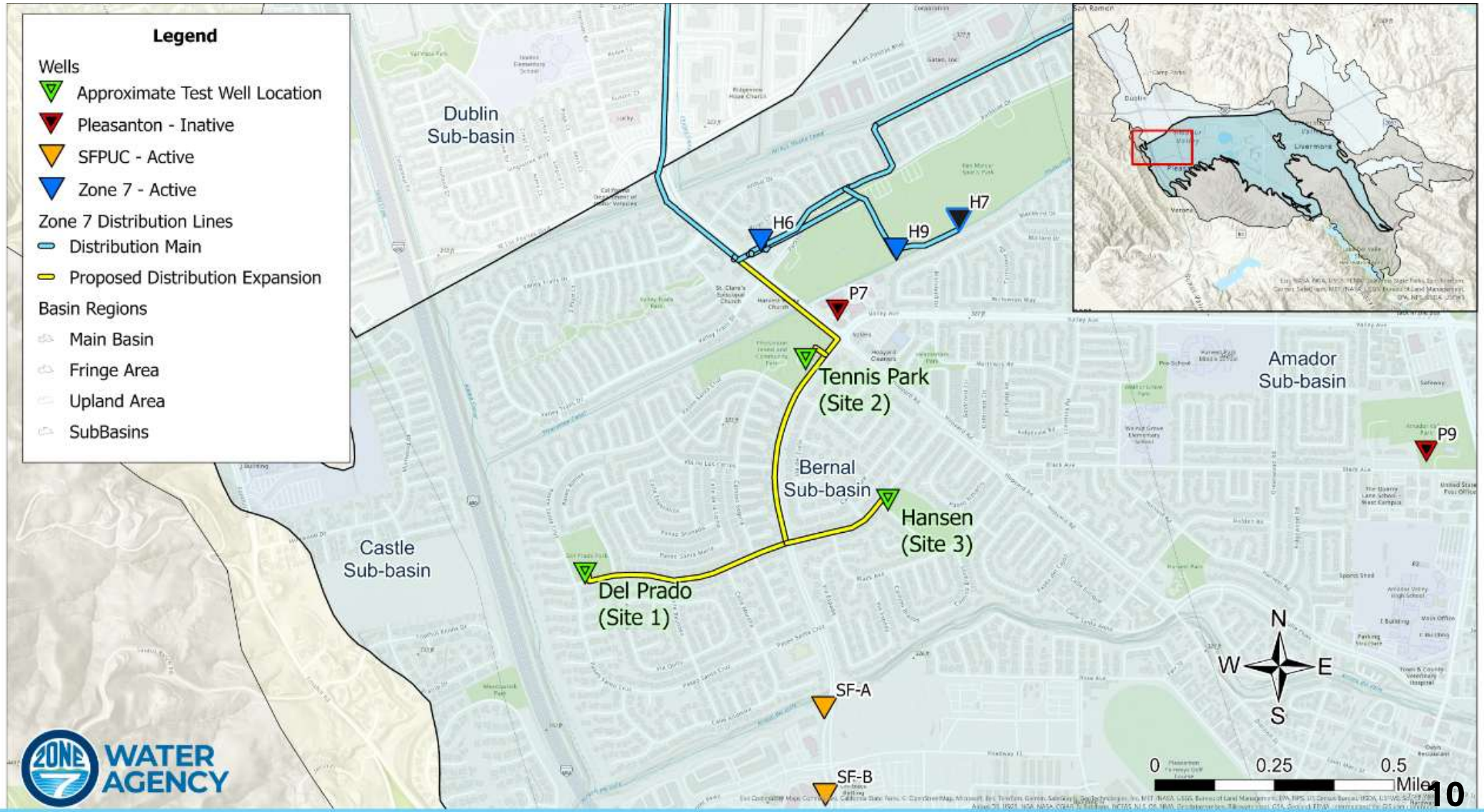
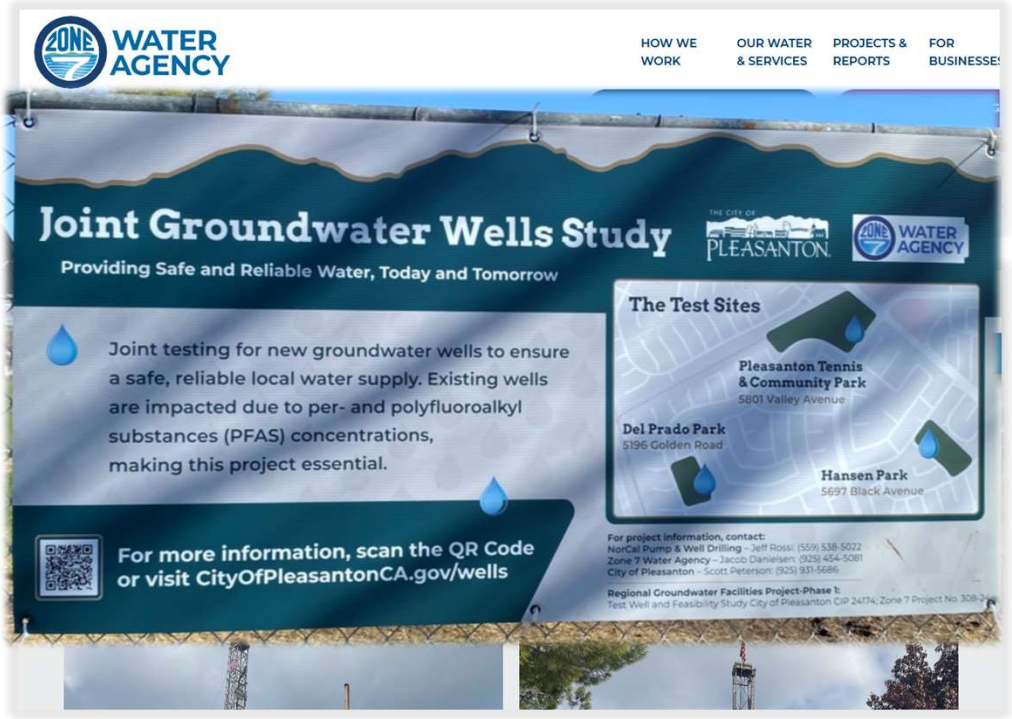
Scope of Work

- Drill exploratory bore holes and construct three test wells at:
  1. Del Prado Park
  2. Pleasanton Tennis & Community Park
  3. Hansen Park
- Conduct Yield and Water Quality Testing at all sites
- Run Model Scenarios to analyze sustainability and PFAS mobilization
- Basis of Design
- Feasibility Study


Legend
Wells
Approximate Test Well Location
Pleasanton - Inative
SFPUC - Active
Zone 7 - Active
Zone 7 Distribution Lines
Distribution Main
Proposed Distribution Expansion
Basin Regions
Main Basin
Fringe Area
Upland Area
SubBasins
Dublin Sub-basin
Castle Sub-basin
Bernal Sub-basin
Amador Sub-basin
H6
H7
H9
P7
P9
Tennis Park (Site 2)
Hansen (Site 3)
Del Prado (Site 1)
SF-A
SF-B
N
W
E
S
0
0.25
0.5
Miles

Community Outreach

- City of Pleasanton leading the outreach effort – Zone 7 supporting
- Public meetings
- Stakeholder Workshops
  - Public Outreach Event at Tennis Park
  - City Water Open House (3/1/25)
- Website Collaboration
- Information Poster at Drilling Site



Exploratory Drilling

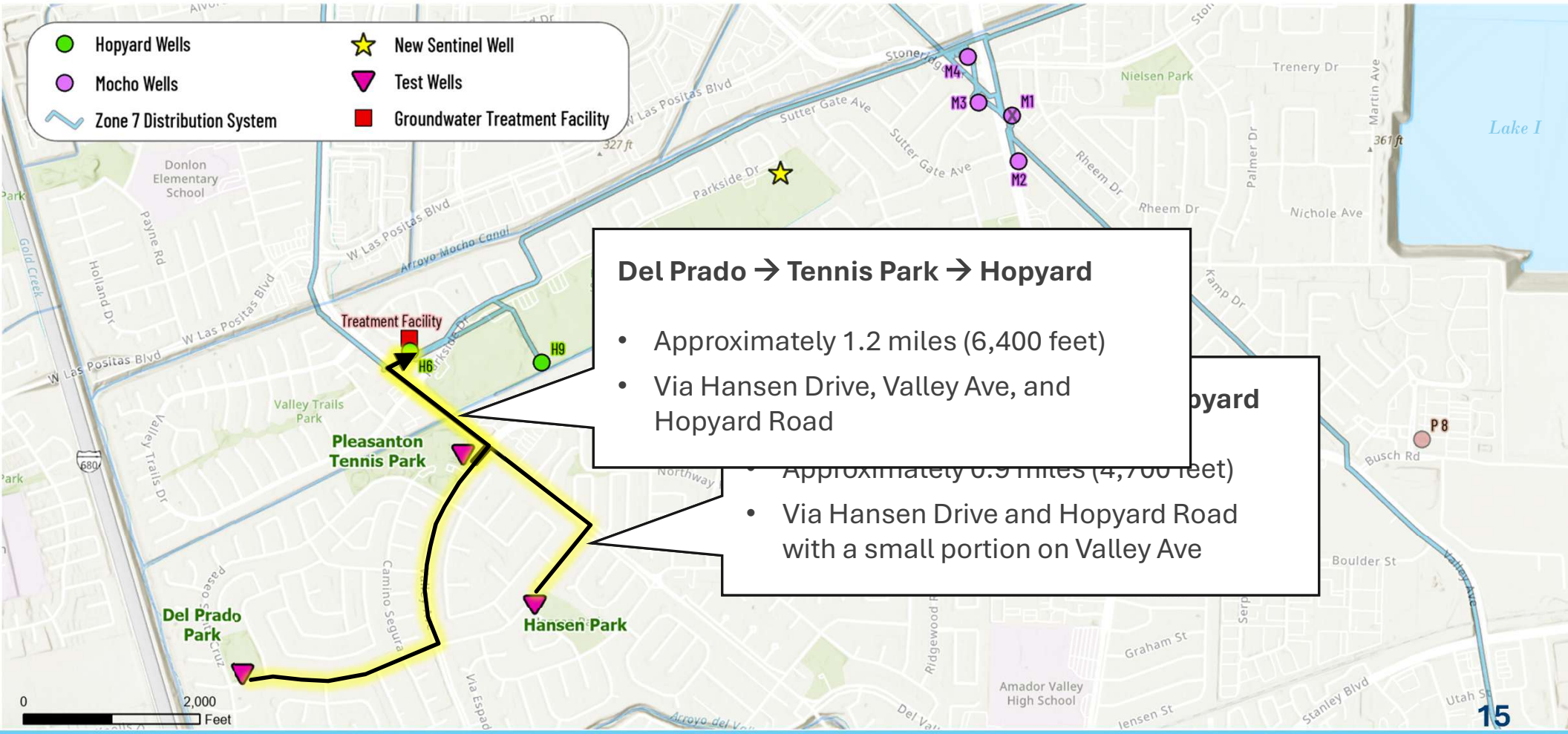
Well Completion & Site Restoration

Summary of Findings

Well	Potential Pumping Rate (million gallons/day)	Potential Pumping Rate (Acre-feet/year)	Potential Average Pumping Rate** (Acre-feet/year)	PFOS/PFOA
Del Prado	1.87 - 2.73	2,100 – 3,100	**2,600**	ND
Tennis Park	4.84 - 7.33	5,400 – 8,200	**6,800**	ND
Hansen	4.89 - 6.04	5,500- 6,800	**6,150**	ND*

*PFHxS: Composite: 2.5 ppt; MCL (now rescinded) = 10 ppt (parts per trillion); Response Level = 20 ppt
** This rate would be the designed pumping rate; the actual rate and groundwater production will be less than the designed rate due to maintenance and outages

Potential Pipeline Routes



Evaluating Regional Project Wells

1. Groundwater Sustainability

Will the groundwater basin continue to be sustainable with the new wells?

2. Well interference

Will pumping new wells interfere with existing wells significantly?

3. PFAS mobilization

Will the known PFAS footprint be further mobilized by pumping new wells?

Model Findings

Criteria	Baseline (no wells)	Project Scenario 1 (Tennis, Hansen, Del Prado)	Project Scenario 2 (Tennis and Hansen)	Project Scenario 3 (Tennis and Del Prado)
Groundwater Sustainability	✓	✓	✓	✓
Well Interference	✓	✓	✓	✓
PFAS Mobilization	✓	✓	✓	✓

Potential Mutual Benefits

- Significant cost savings for both parties
  - Cost savings for Zone 7 are cost savings for all four retailers
- Capital Costs will be shared based on proportional yields
- A single pipeline and upsized chemical facilities
- Minimized impacts on the local communities and streets
- More streamlined construction activities
- Minimize operational complexity
- Pleasanton will pay for water production costs on a pro rata basis
- Jointly meeting current and future water quality standards

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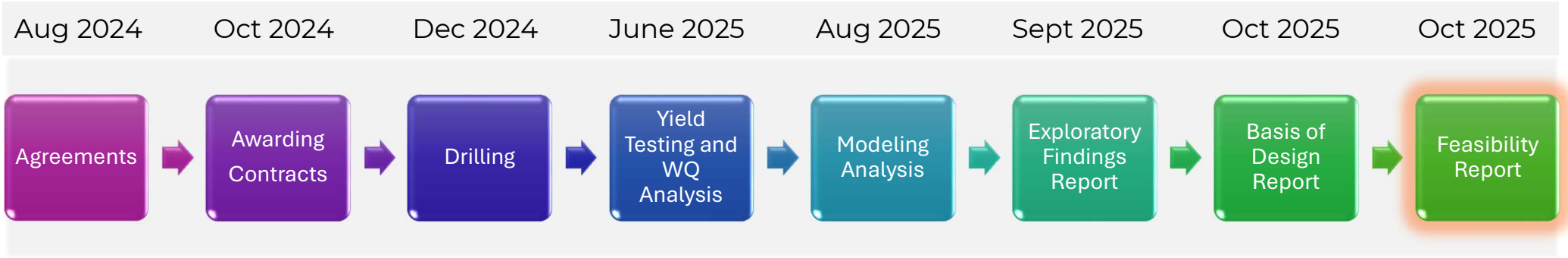
Next Steps



1. **Analyze** the feasibility of developing wells in terms of groundwater sustainability and PFAS mobilization (completed)
2. **Determine** the optimum selection of wells to achieve the project objectives for the City of Pleasanton and Zone 7 (completed)
3. **Assess** infrastructure needs, schedule, and total costs (ongoing)
4. **Formulate** each party's proportional cost share based on potential yields (ongoing)
5. **Evaluate** cost savings from economies of scale (by each party)
6. **Provide** necessary information and recommendations to the Zone 7 Board and the City Council to decide whether to jointly develop a regional project (TBD)


Questions?