STATUS OF GROUNDWATER RECHARGE FEASIBILITY STUDIES

Water Resources and Watershed Committee
February 14, 2024

SCV WATER

FEASIBILITY OF LOCAL RECHARGE

Can SCVWA infiltrate water in the local basin to support a groundwater recharge program?

Castaic Location

Pinetree Location

FIELDWORK

Geophysical Survey

Water Level Monitoring

Infiltration Testing

SCV WATER

FIELDWORK CONTINUED

Limited Access Drill Rig

Soil Samples

Borehole Sampling

FINDINGS

Castaic

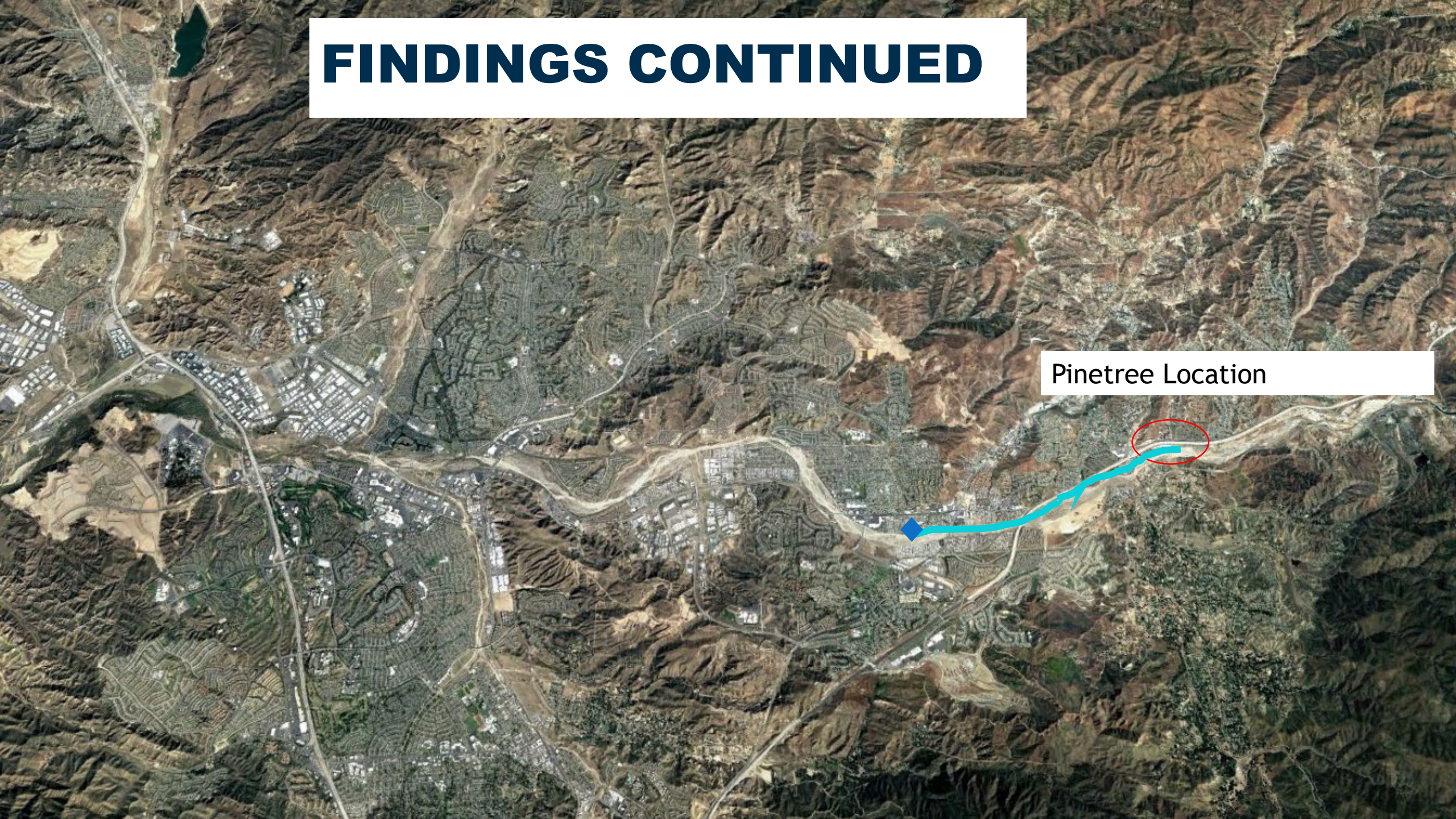
- 50-150ft Alluvial Aquifer Thickness
- Infiltration Testing Rates 7-12 ft/day
- Site can support 5,000 AFY of MAR

Pinetree

- 130-180ft Alluvial Aquifer Thickness
- Infiltration Testing Rates 40-46ft/day
- Site can support 5,000-10,000AFY of MAR

SCV WATER

FINDINGS CONTINUED



REMAINING QUESTIONS

How can we construct and implement a recharge program?

SCV WATER

RECOMMENDED NEXT STEPS

- Project Easement or Land Acquisition
- Engineering Analysis
- Water Quality Characterization
- Develop Permitting Strategies
- Conduct Additional Modeling

QUESTIONS?