

Calero Reservoir Water Supply and Reliability

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Calero Reservoir

- Dam built in 1935
- Key water supply element
- Ties into raw water system
- 9,738 Acre-Feet unrestricted storage
- Emergency water source
- Fisheries and recreation
- Incidental flood protection benefits



Calero Reservoir

Two primary roles within the Raw Water System:



1. Water Supply:

1. Water Right of 3,500 AF/year.
2. Almaden-Calero Canal Water Right of 6,000 AF/year.

1. Operational Reliability – Calero storage is used as an emergency/backup supply to CVP imported water and to address water quality issues with imported CVP supplies.

Summary - Calero

Calero reservoir is critical to the reliability of the raw water system.

During Anderson construction, Calero will be the only local supply to the water treatment plants.

Currently, Calero reservoir is restricted to 4,414 AF and an outlet capacity of 50 cfs.

A fixed Calero could provide 9,738 AF of storage and an outlet capacity of up to 100 cfs.

Disaster Recovery

Calero Reservoir is the closest local water supply, located approximately 4 miles from the Santa Teresa Water Treatment Plant.



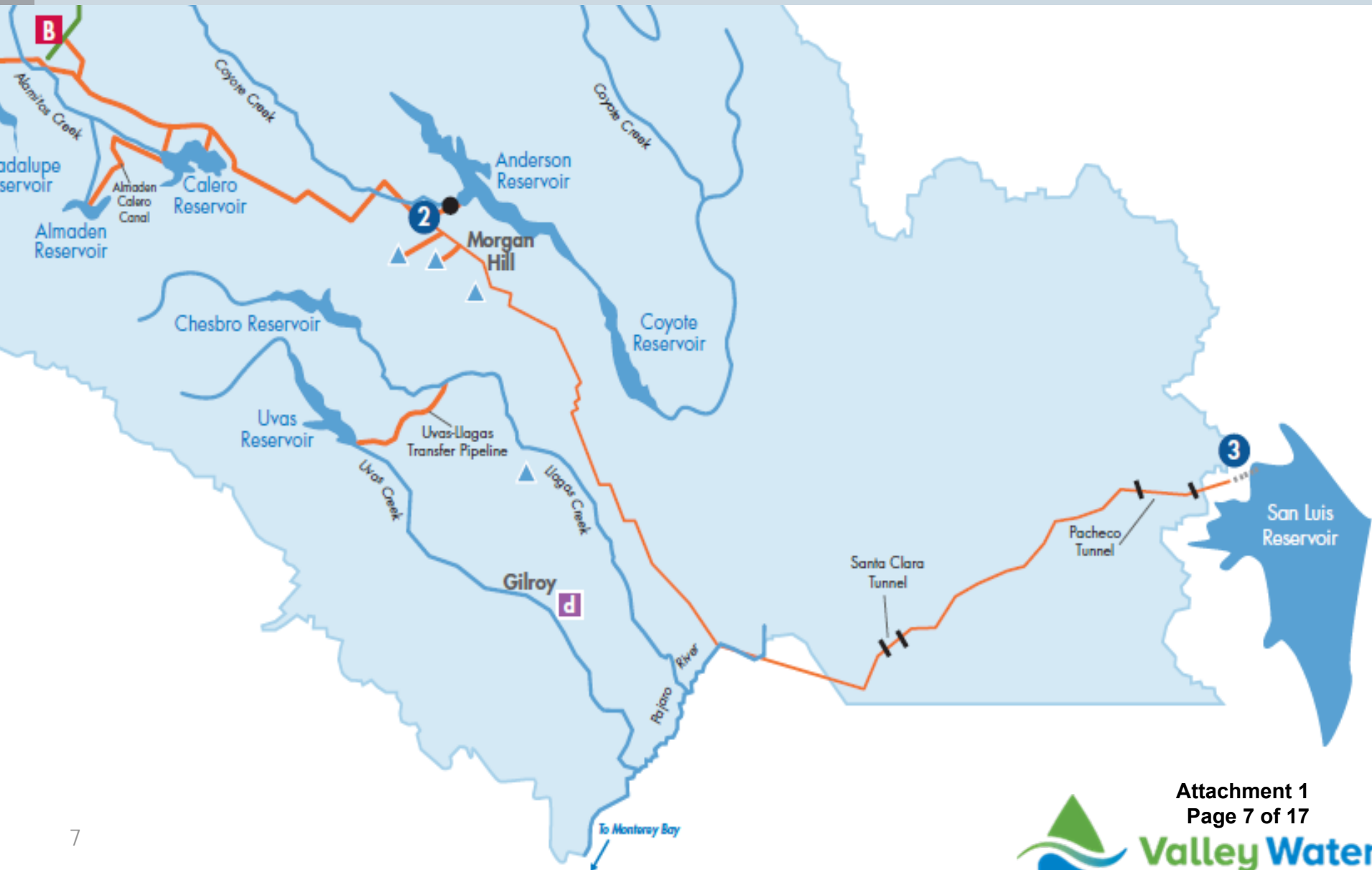
This would be the first source of supply available to the treatment plants after a major seismic event.

Water Supply Distribution



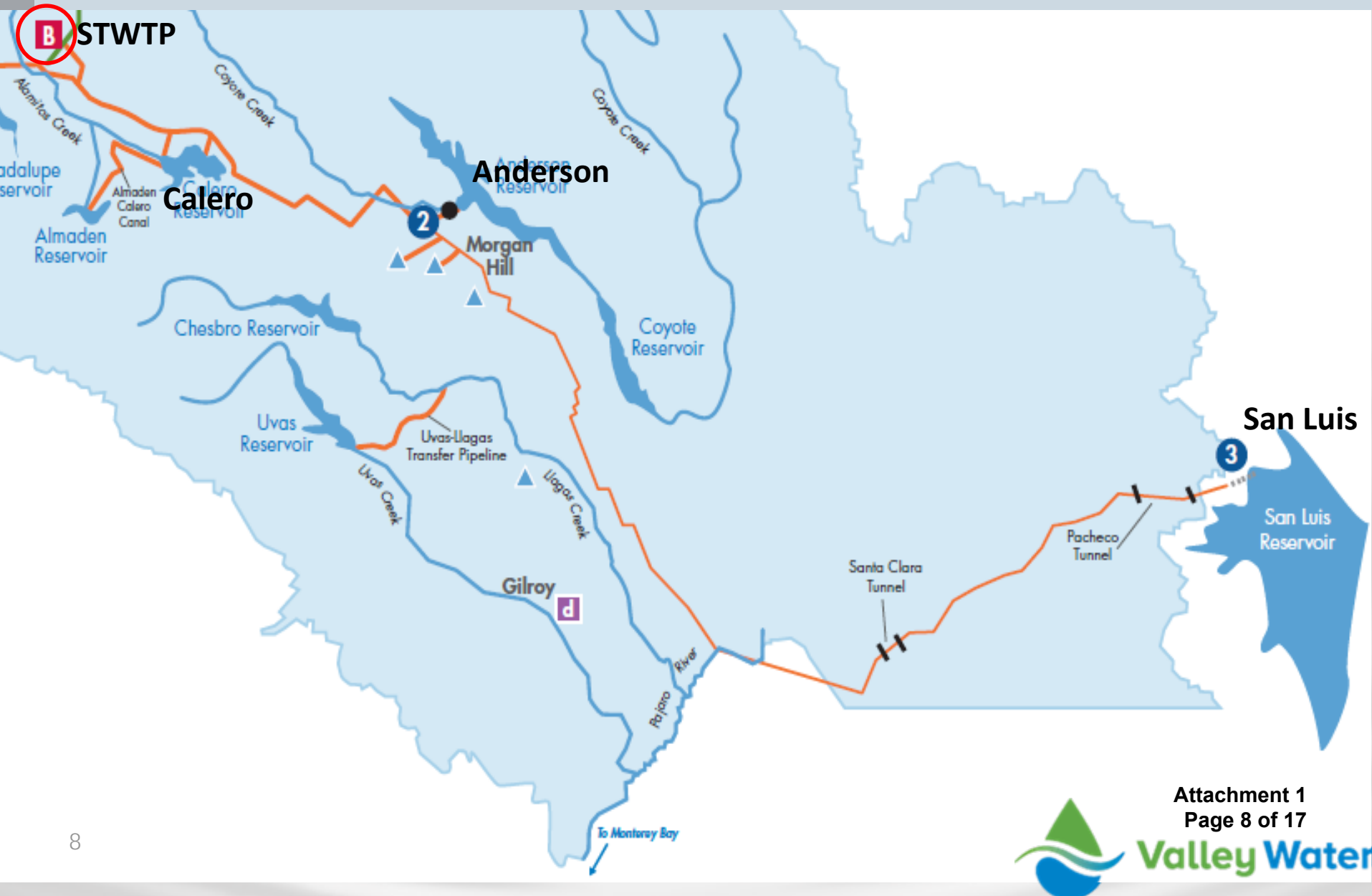
Water Supply Map

DISASTER RECOVERY



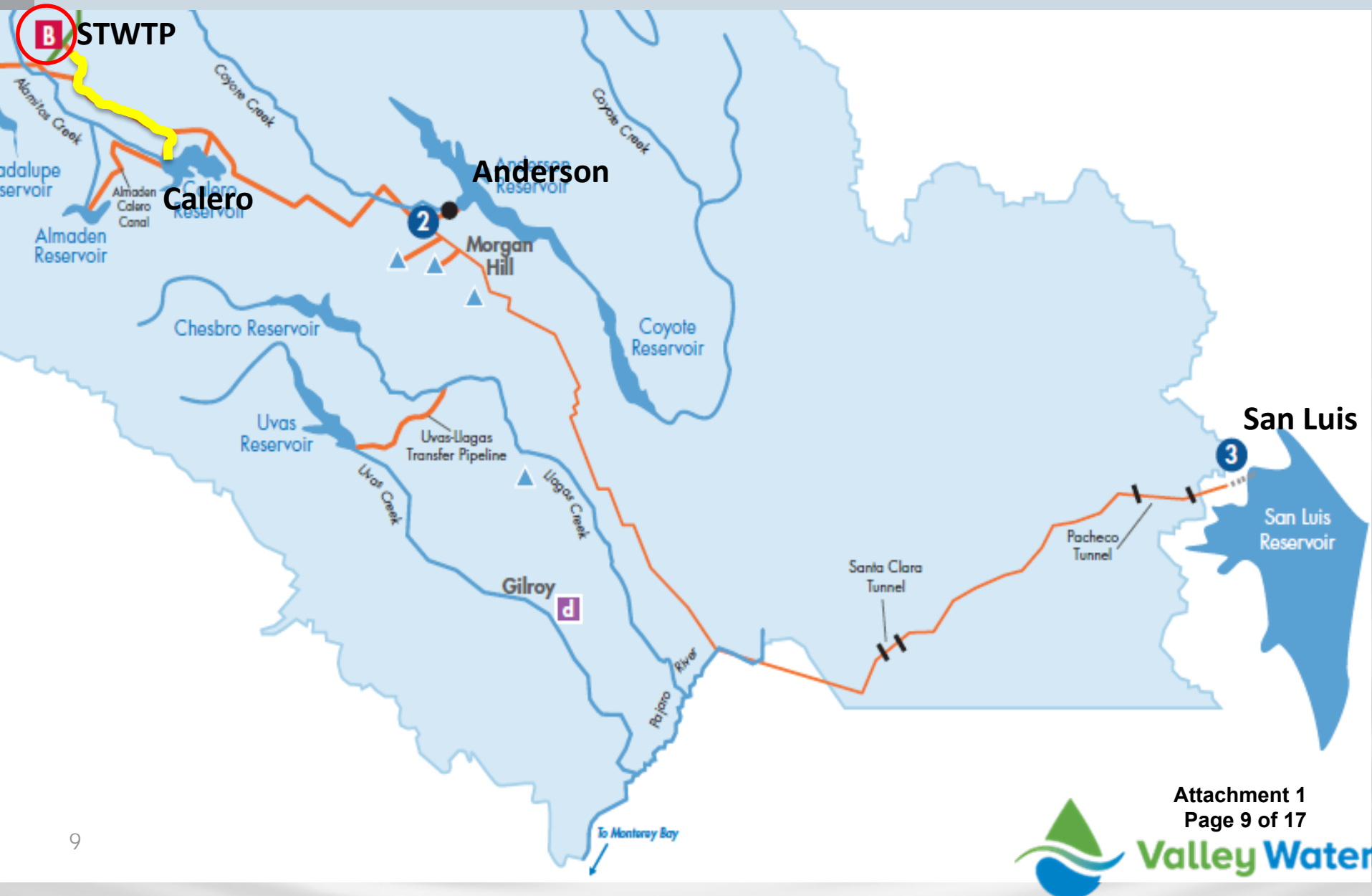
Water Supply Map

DISASTER RECOVERY



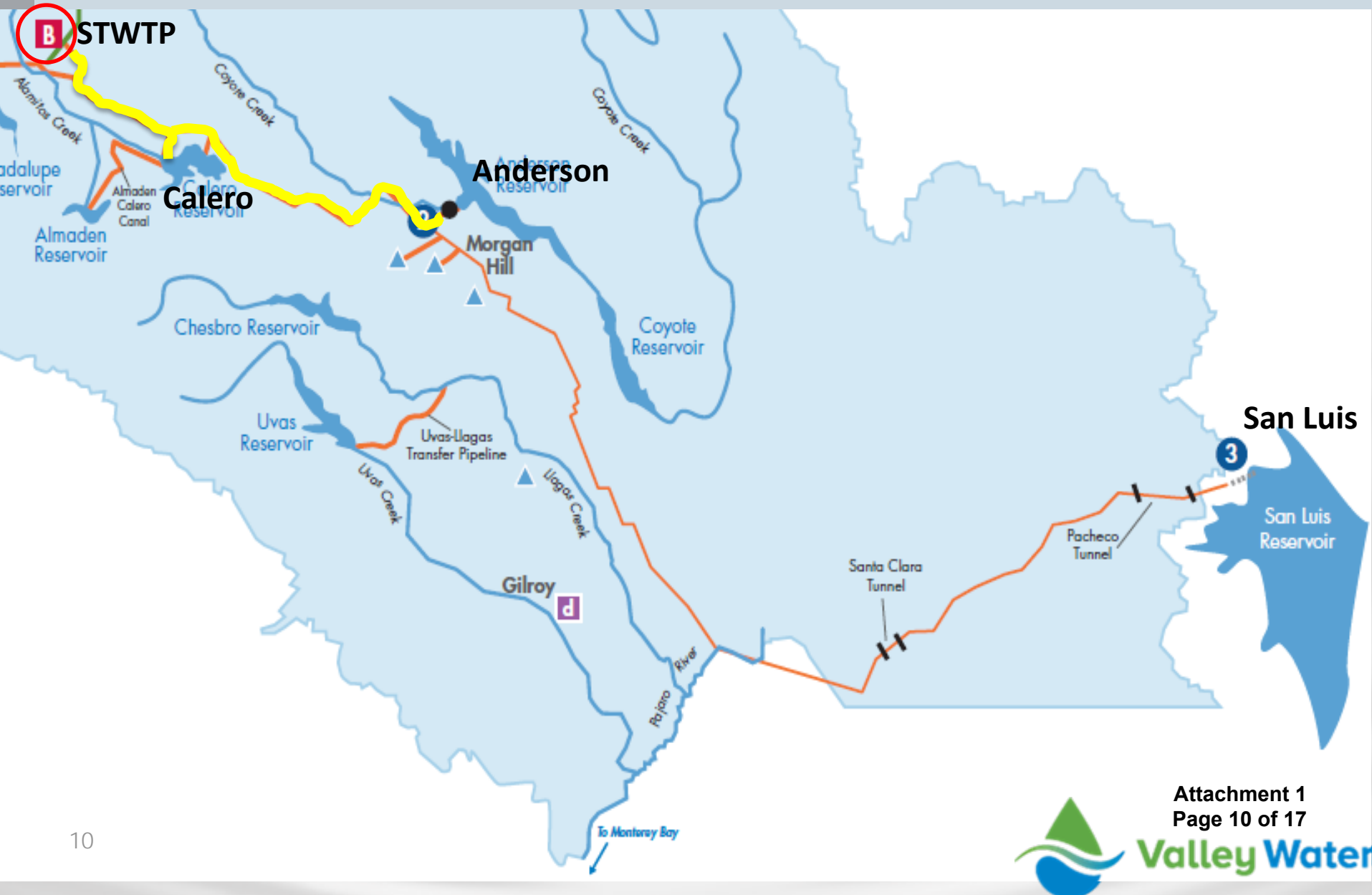
Water Supply Map

DISASTER RECOVERY



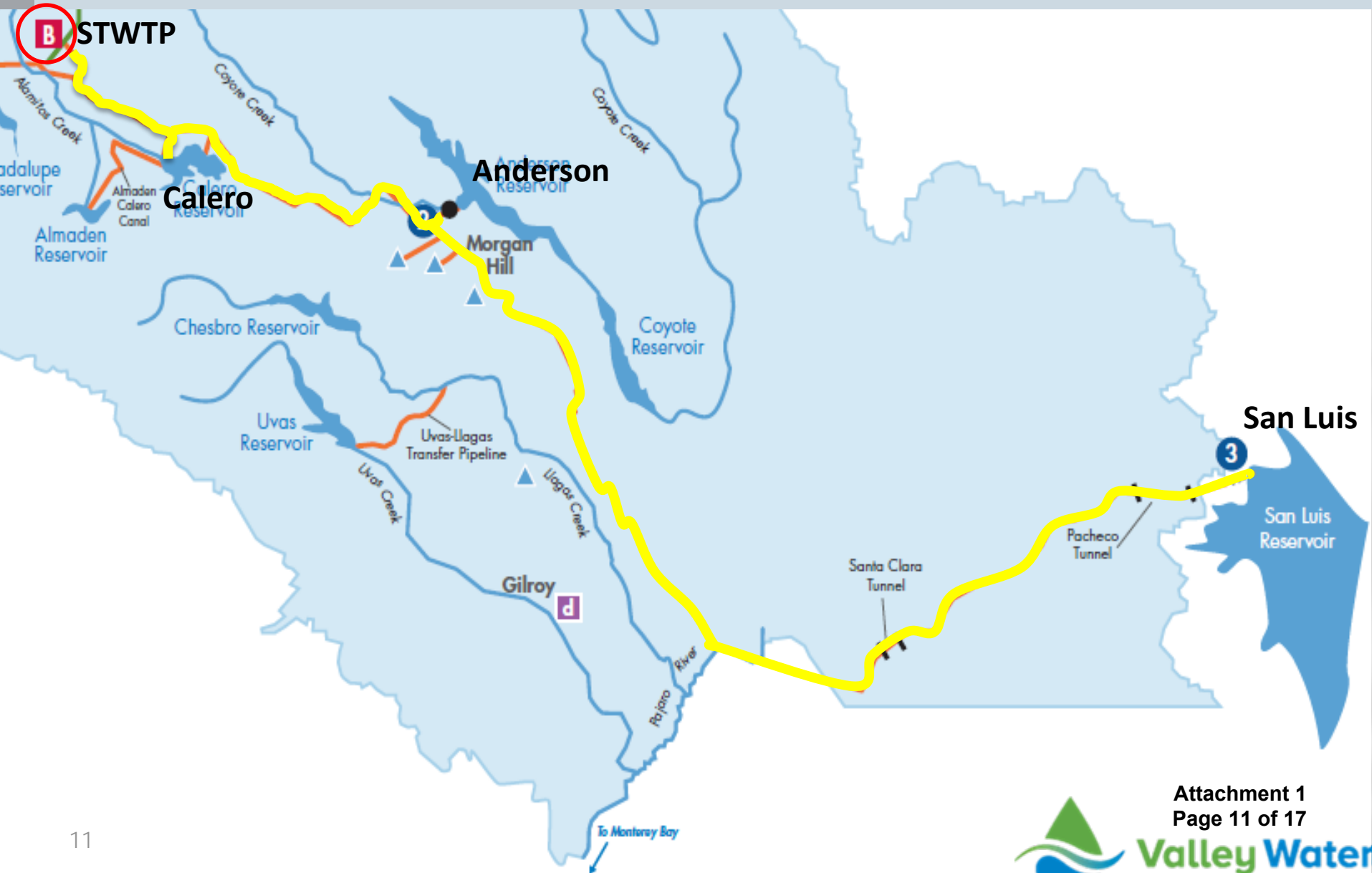
Water Supply Map

DISASTER RECOVERY



Water Supply Map

DISASTER RECOVERY



Water Supply Map

DISASTER RECOVERY



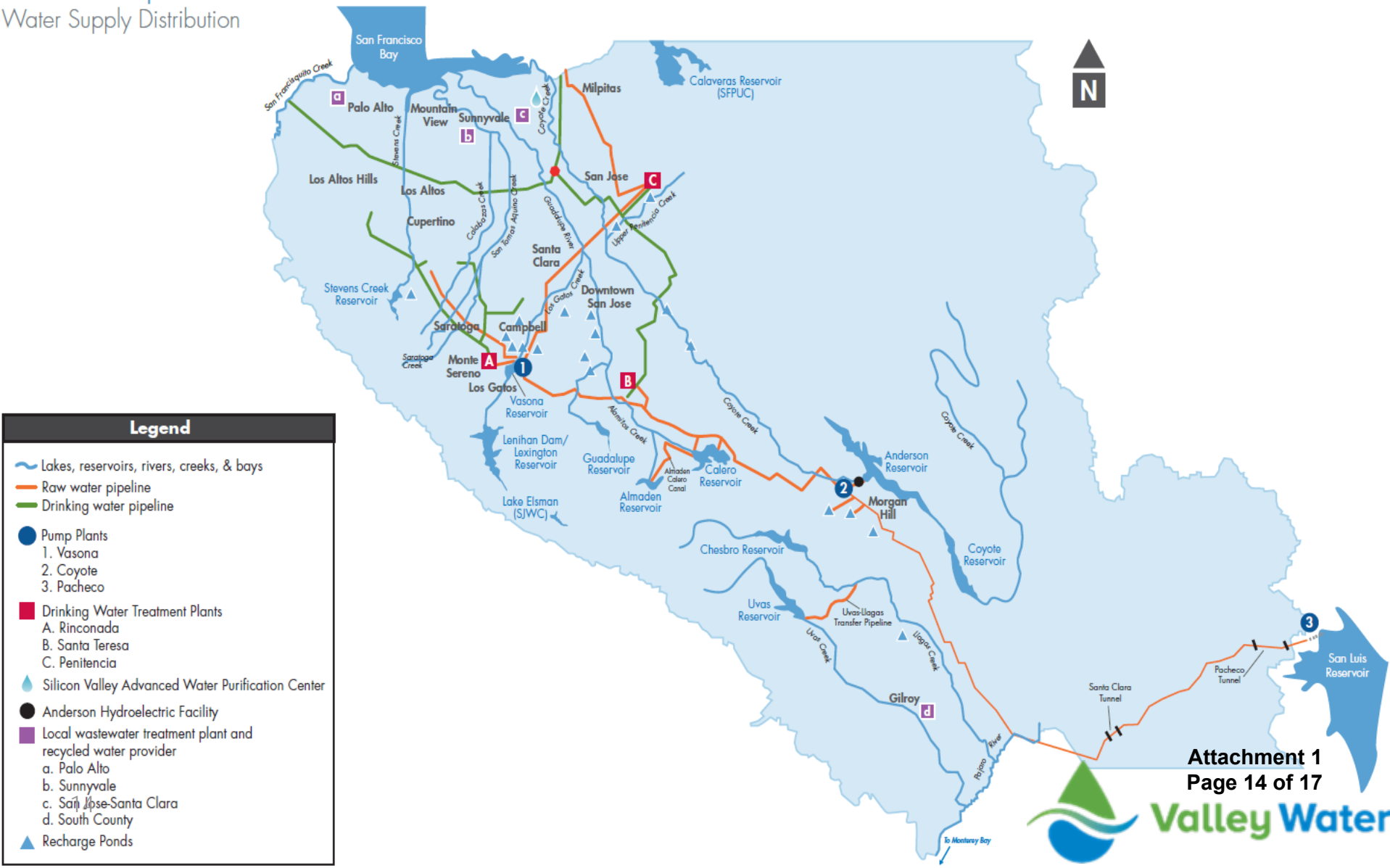


How the system operates on a day-to-day basis and how the raw water system delivers supplies to the water treatment plants.

Water Supply Map

District map

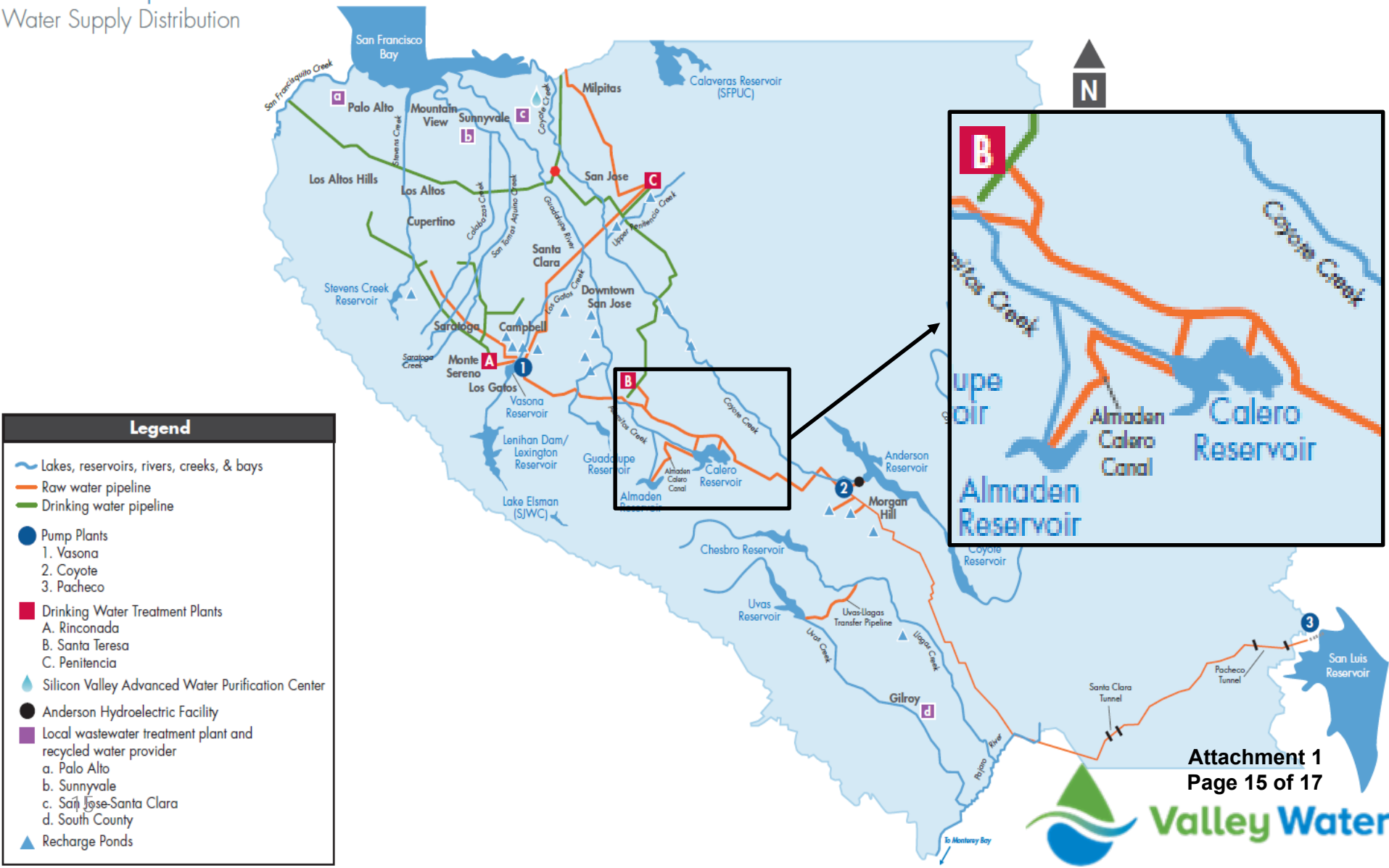
Water Supply Distribution



Water Supply Map

District map

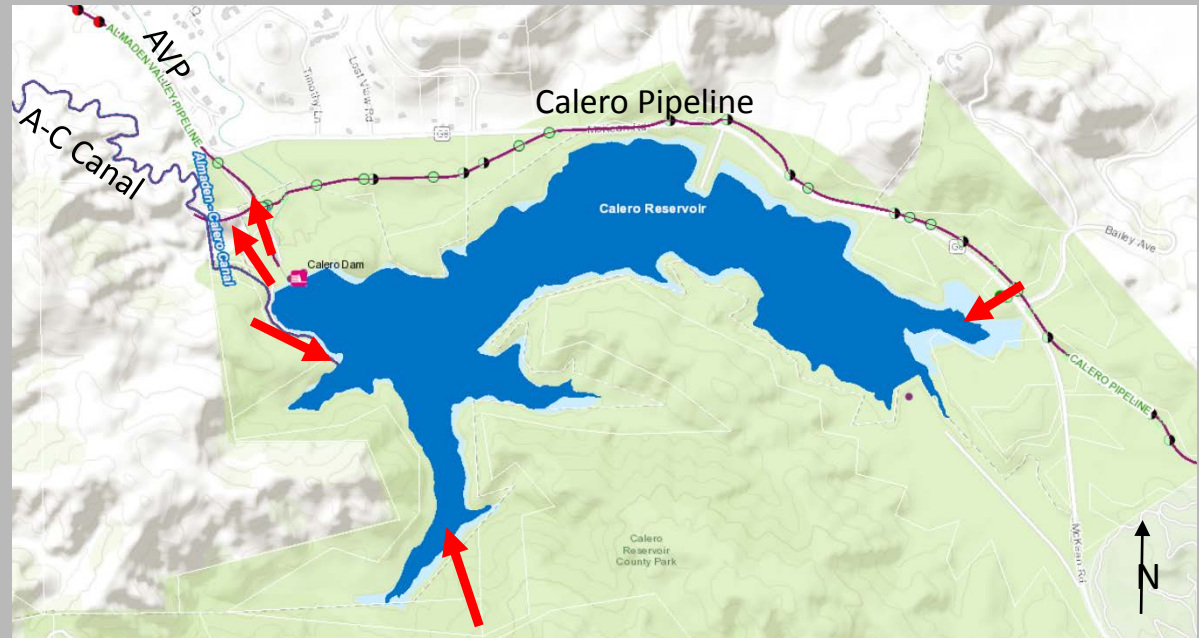
Water Supply Distribution



Calero Reservoir

Calero Reservoir

Provides critical water supply and operational benefits:



Water Supply:

- Calero Reservoir up to 3,500 AF
- Almaden-Calero Canal up to 6,000 AF
- Provides downstream groundwater recharge

Operational Reliability:

- Storage of imported water
- Backup supply in CVP Outage
- Blending supply for Water Quality issues
- Closest local supply in seismic recovery

Questions?

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