Temperance Flat
Reservoir Project

Friant Water Authority
Project Briefing

Temperance Flat Project Facilities

Dam

- Roller Compacted Concrete (RCC)
- 665 ft tall

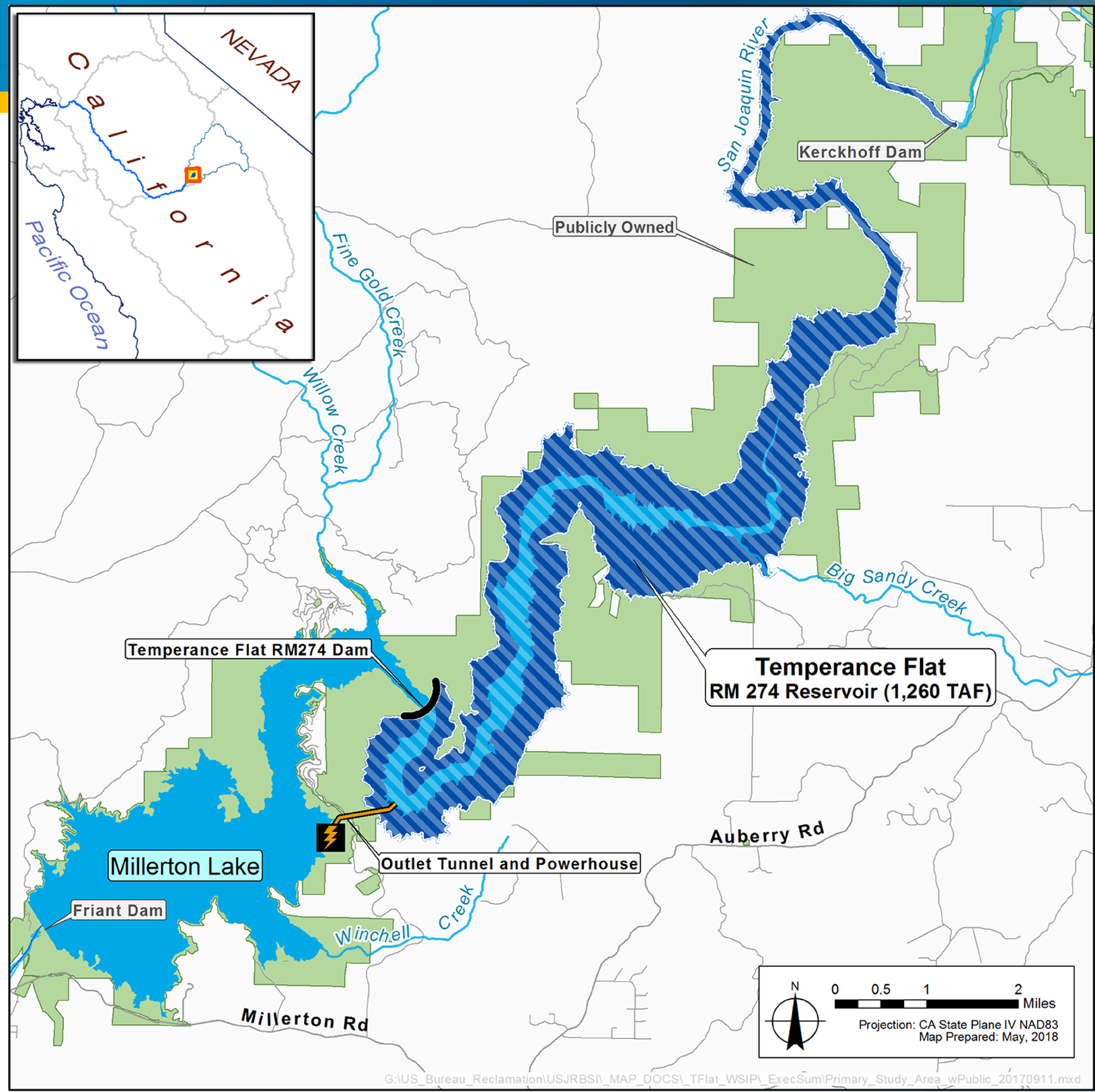
Reservoir

- 1.33 MAF total
- 1.26 MAF net

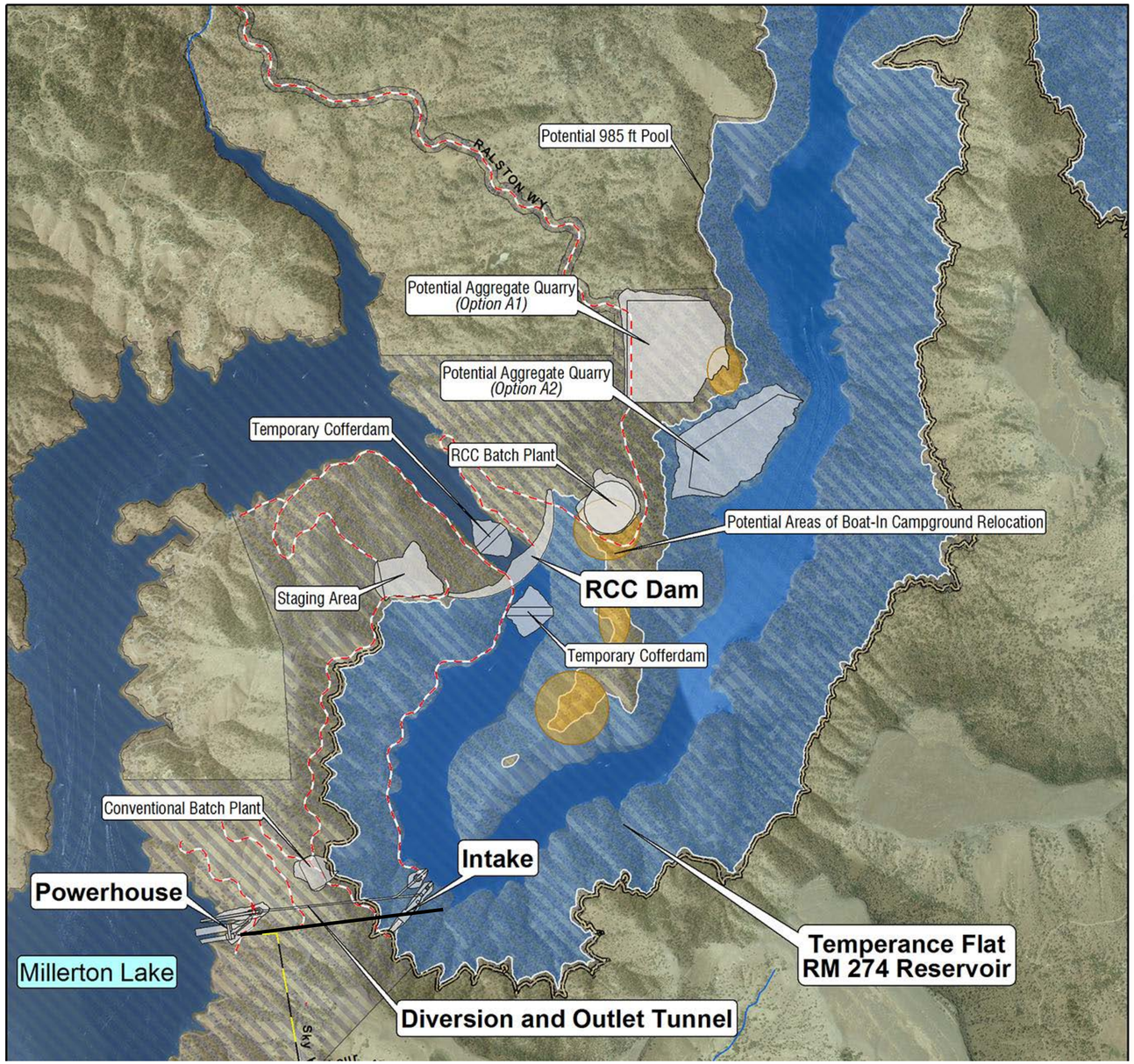
Powerhouse

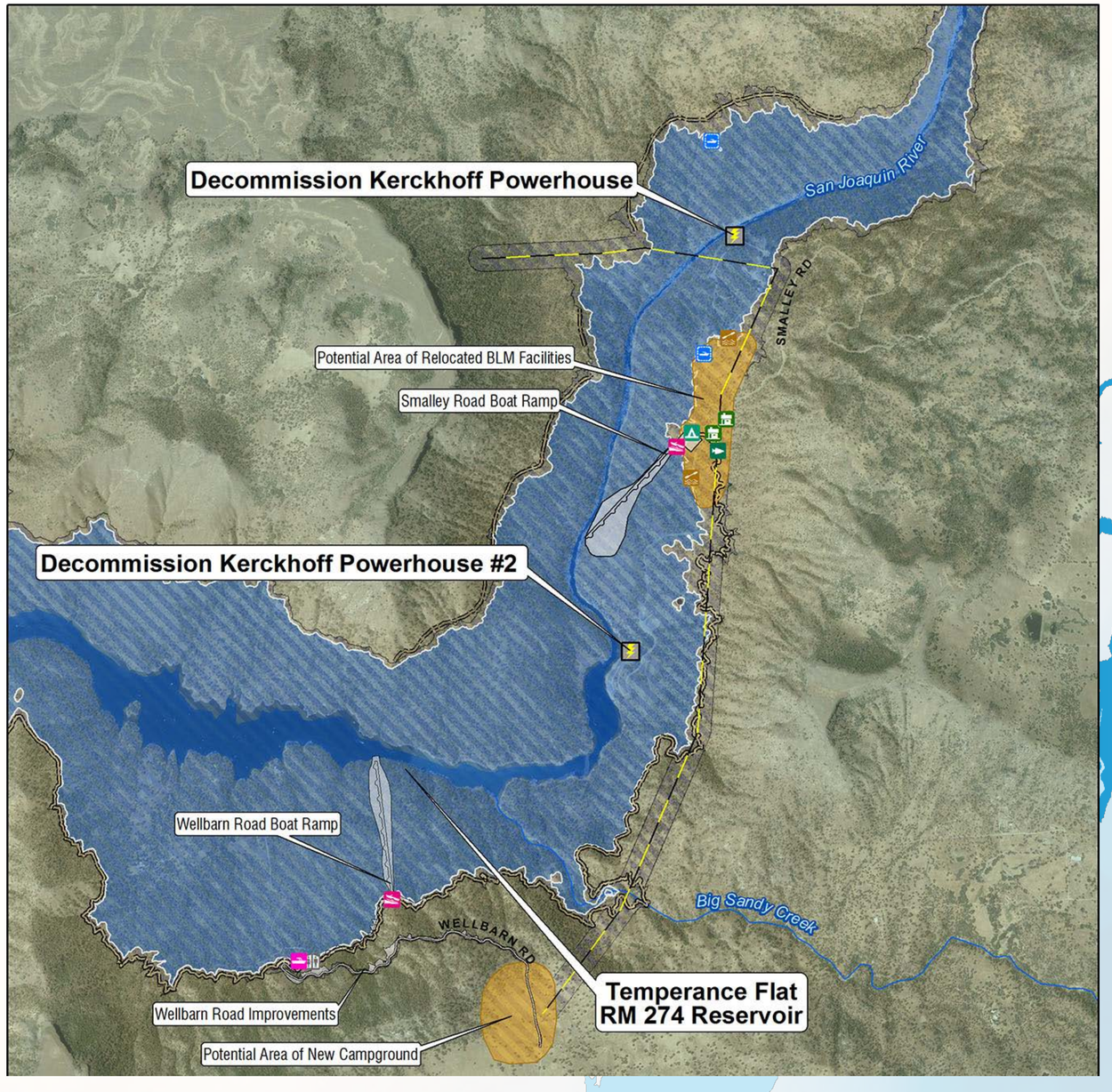
- 160 MW
- 6,000 cfs

A 1930 study found Temperance Flat Dam site superior for water storage but recommended Friant Dam due to cost and project purposes planned at the time



Dam and Reservoir Features





Project Facilities

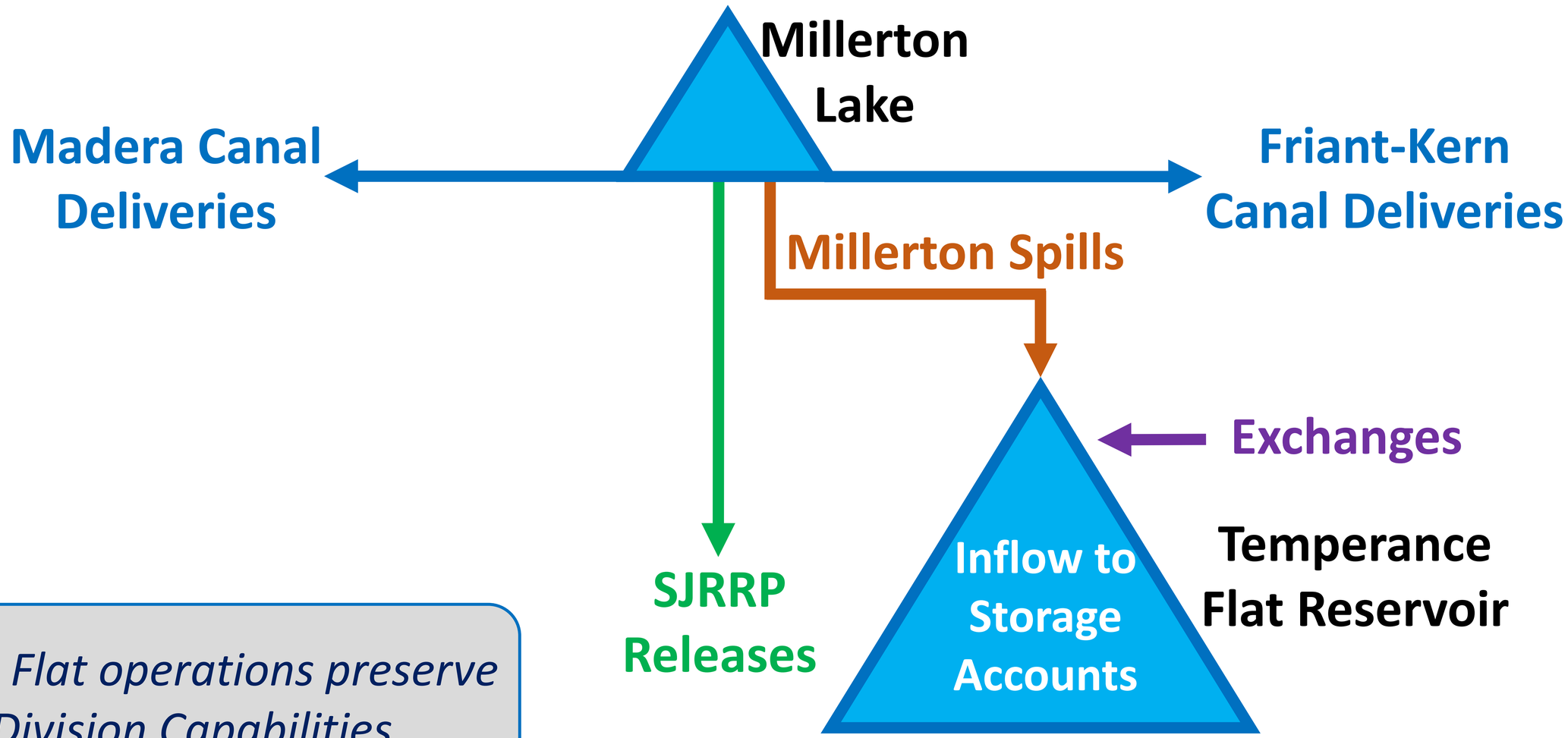
- **Dam and Reservoir**
  - RCC Dam
  - Reservoir Clearing
  - Fine Gold Creek Bridge
  - Contractor Use Areas
  - Haul Roads
  - Permanent Access Roads
- **Diversion**
  - Embankment Cofferdams
  - Diversion Stop-logs
- **Spillway**
  - RCC Spillway
  - RCC Spillway Bridge
- **Outlet Works & Power Features**
  - Diversion and Outlet Tunnel & Portals
  - Low Level Intake Structure
  - Powerhouse, Valve House, & Outlet
  - Transmission
  - Haul Roads
  - Permanent Access Roads
  - Powerhouse Access Bridge
  - Works Chute
- **Affected Infrastructure**
  - Kerckhoff Powerhouses Decommissioning
  - Utilities
  - Transmission Line Relocation
  - Recreational Facilities

Engineering Appendix ~ 700 pages

Reclamation Performed Constructability and Cost Reviews for:

- Value Planning
- Value Engineering
- Design, Estimating and Construction (DEC)

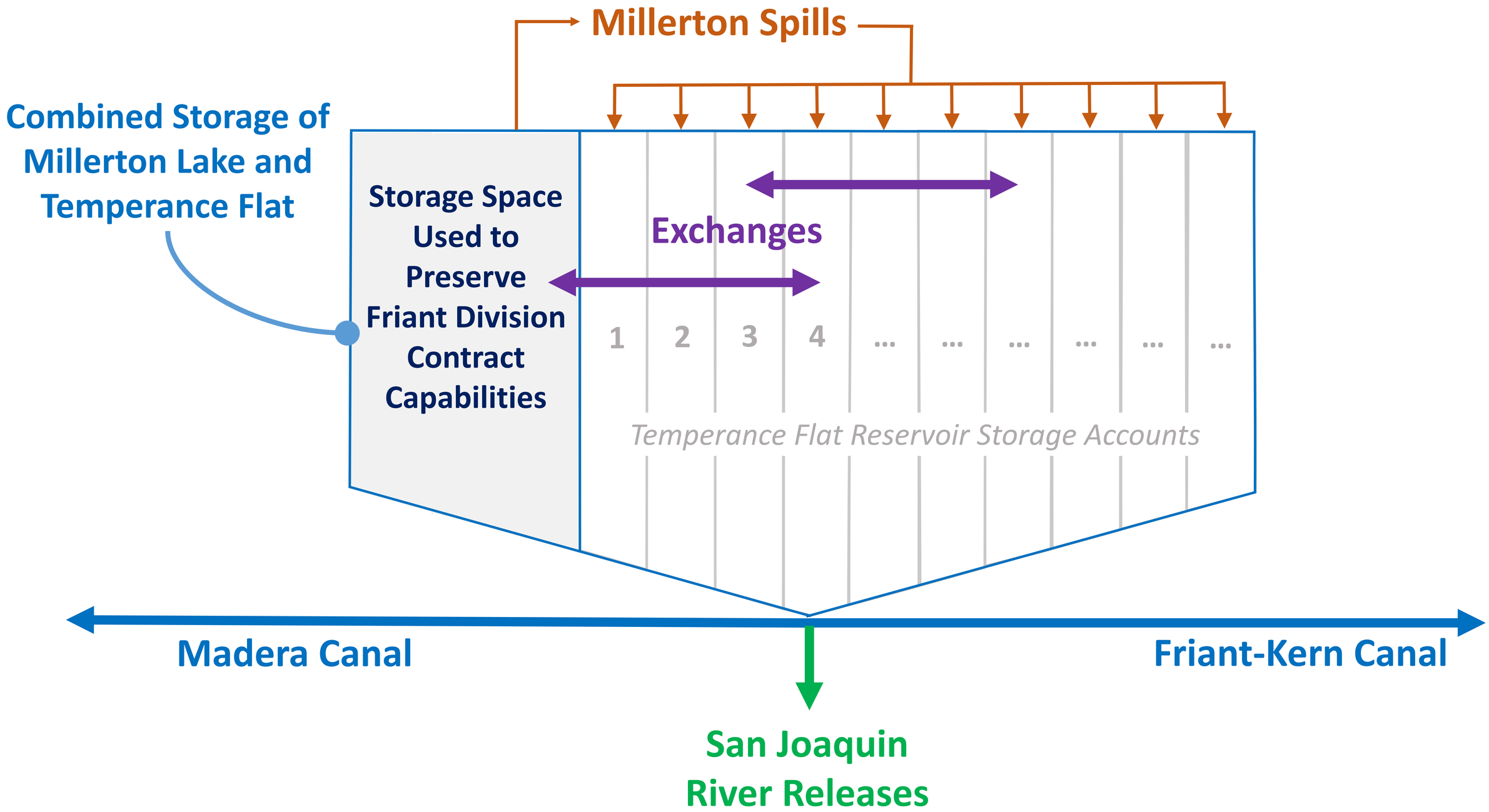
Operations Preserve Friant Division Capabilities



Temperance Flat operations preserve Friant Division Capabilities

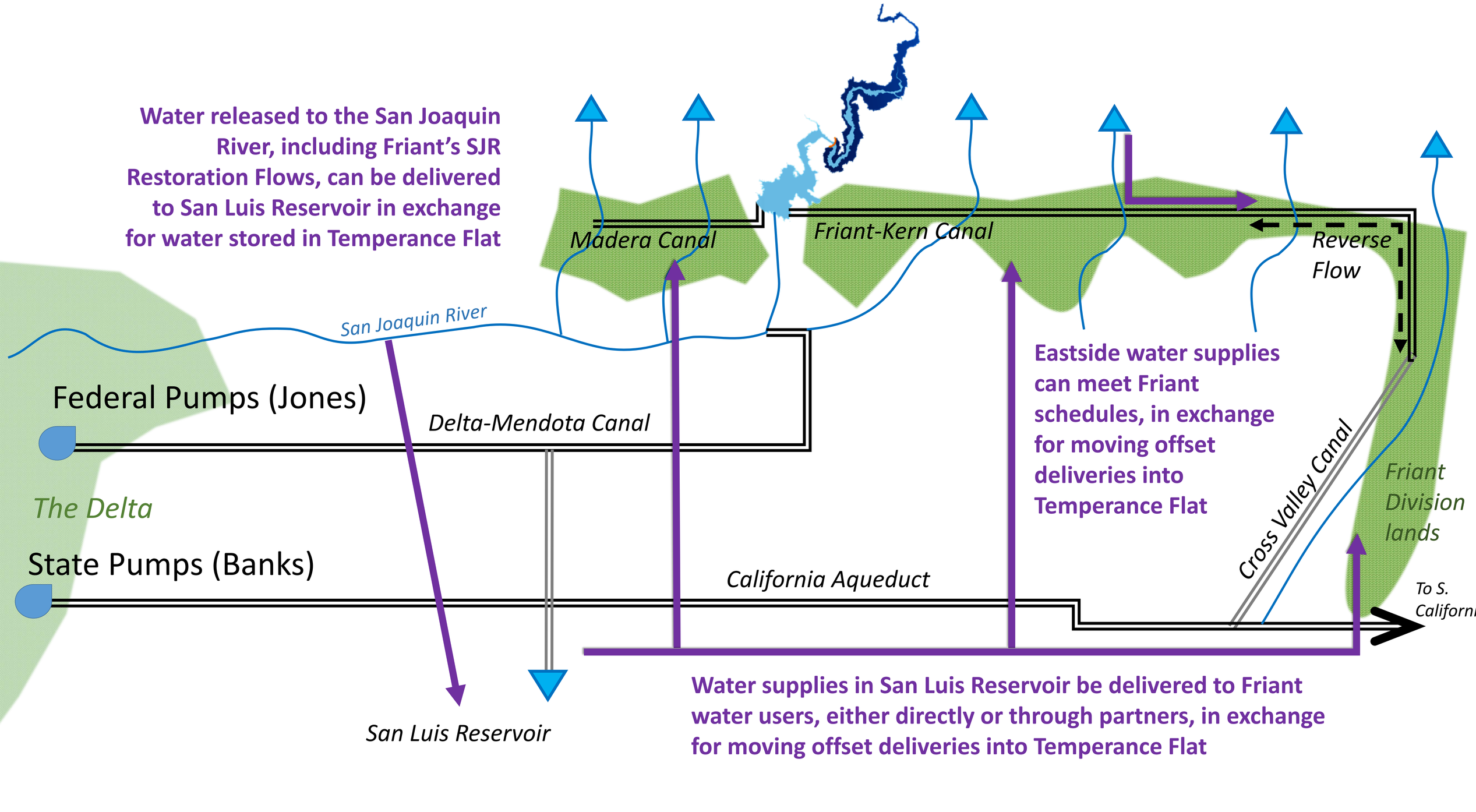
Storage account management will be through a new entity or partnership

Storage Account Management



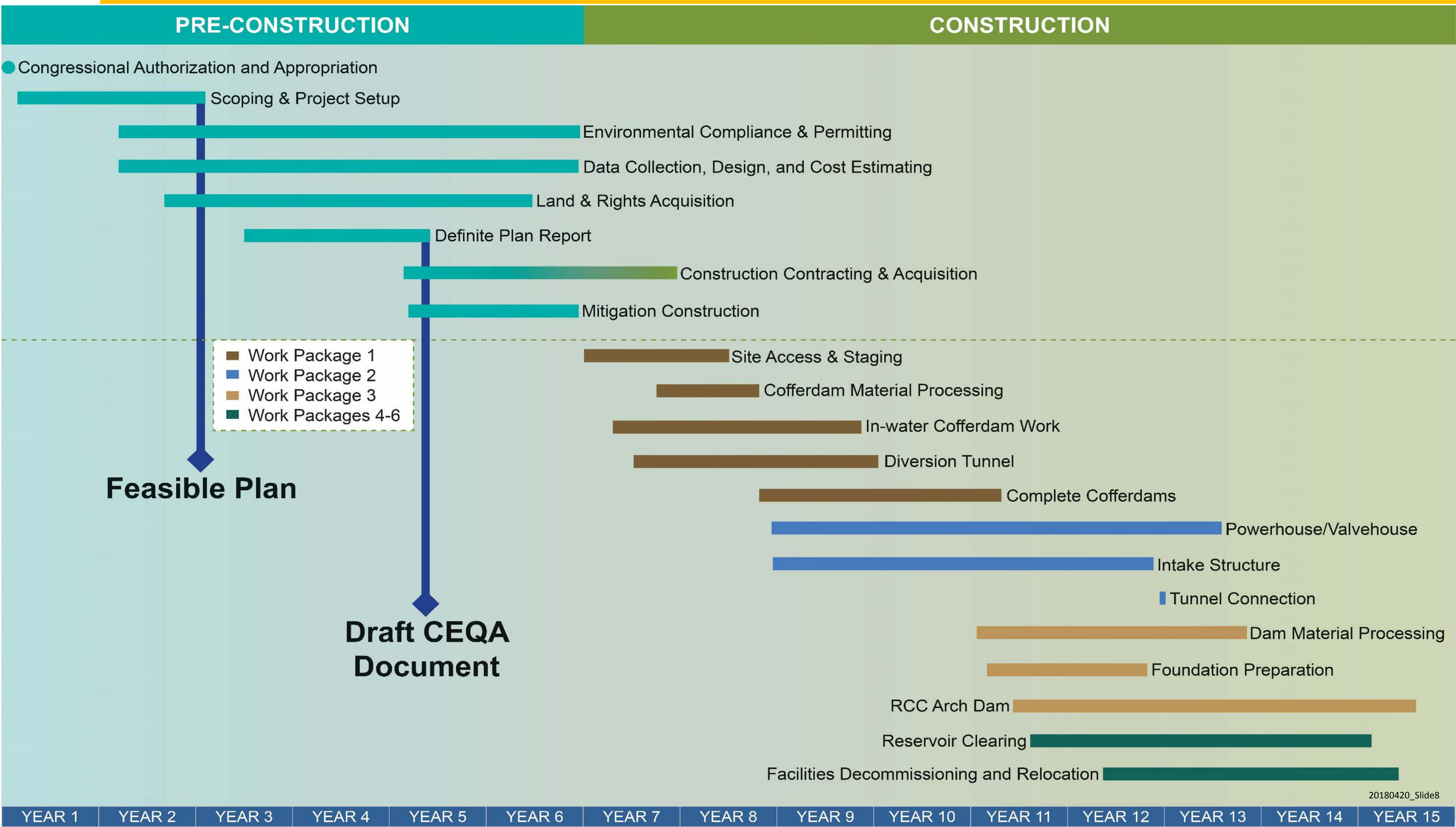
Exchange Opportunities

Water released to the San Joaquin River, including Friant's SJR Restoration Flows, can be delivered to San Luis Reservoir in exchange for water stored in Temperance Flat

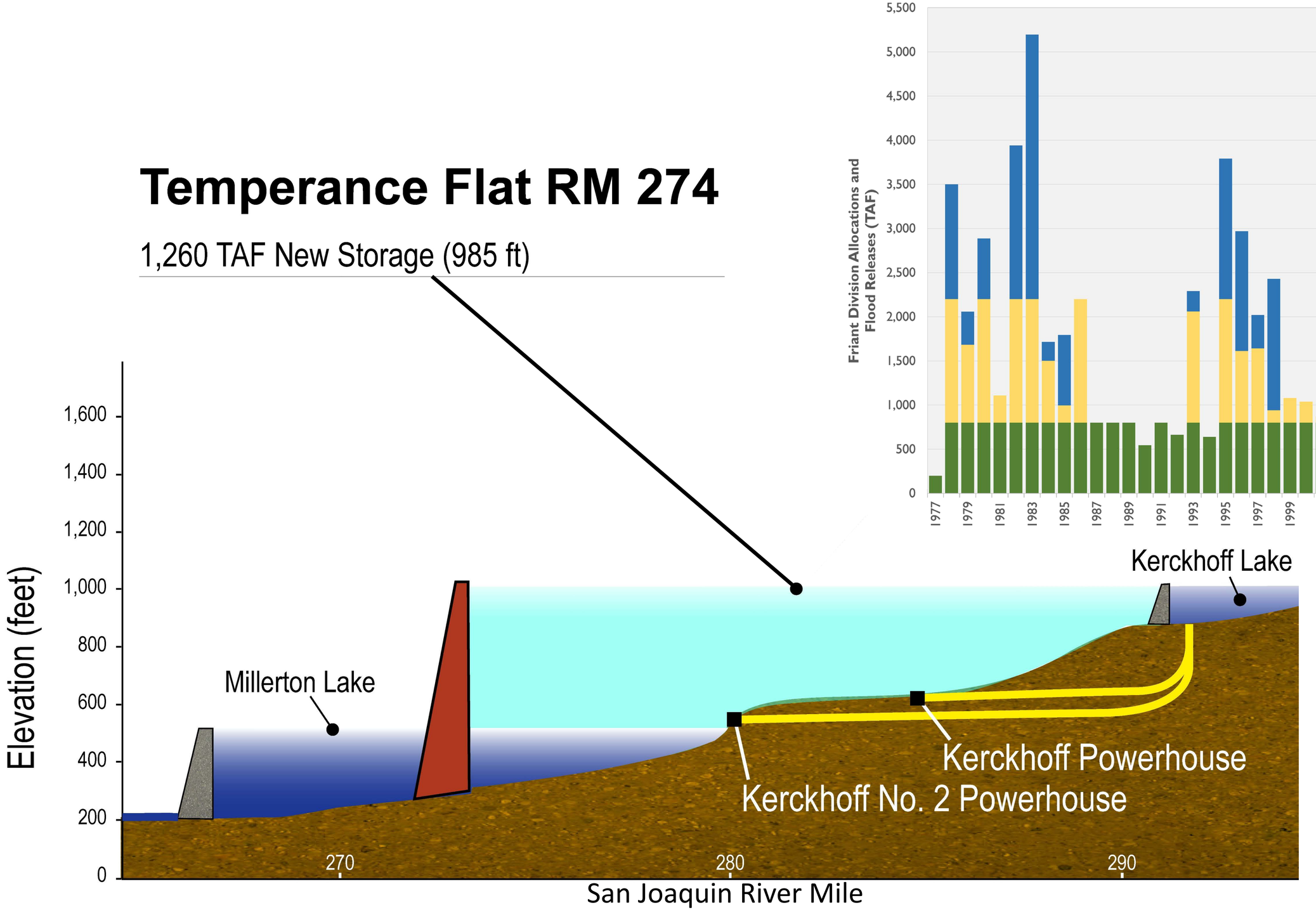


Water supplies in San Luis Reservoir be delivered to Friant water users, either directly or through partners, in exchange for moving offset deliveries into Temperance Flat

Project Timeline



Storage Opportunities



* Preliminary Data