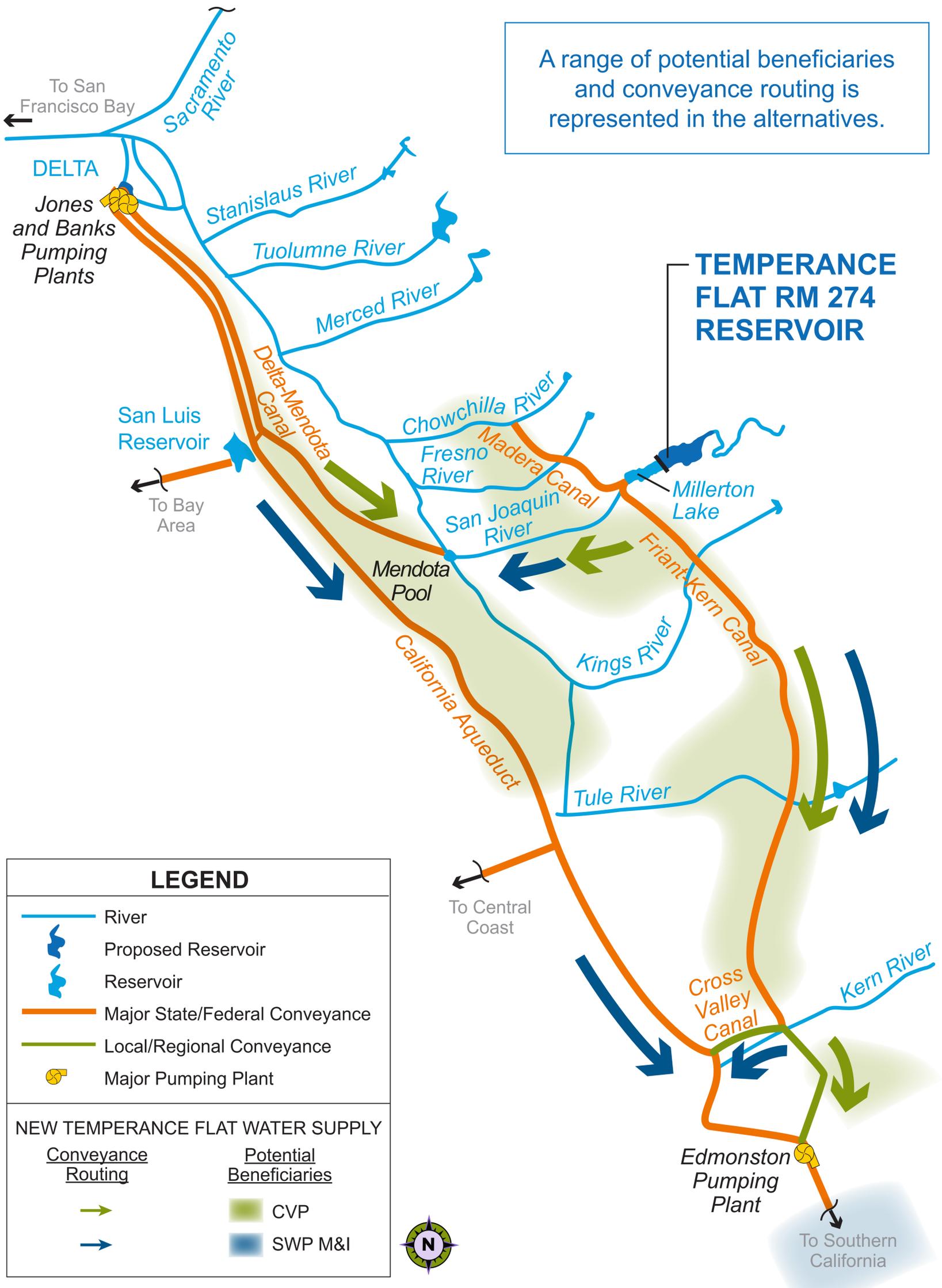


Alternative Water Management and Delivery

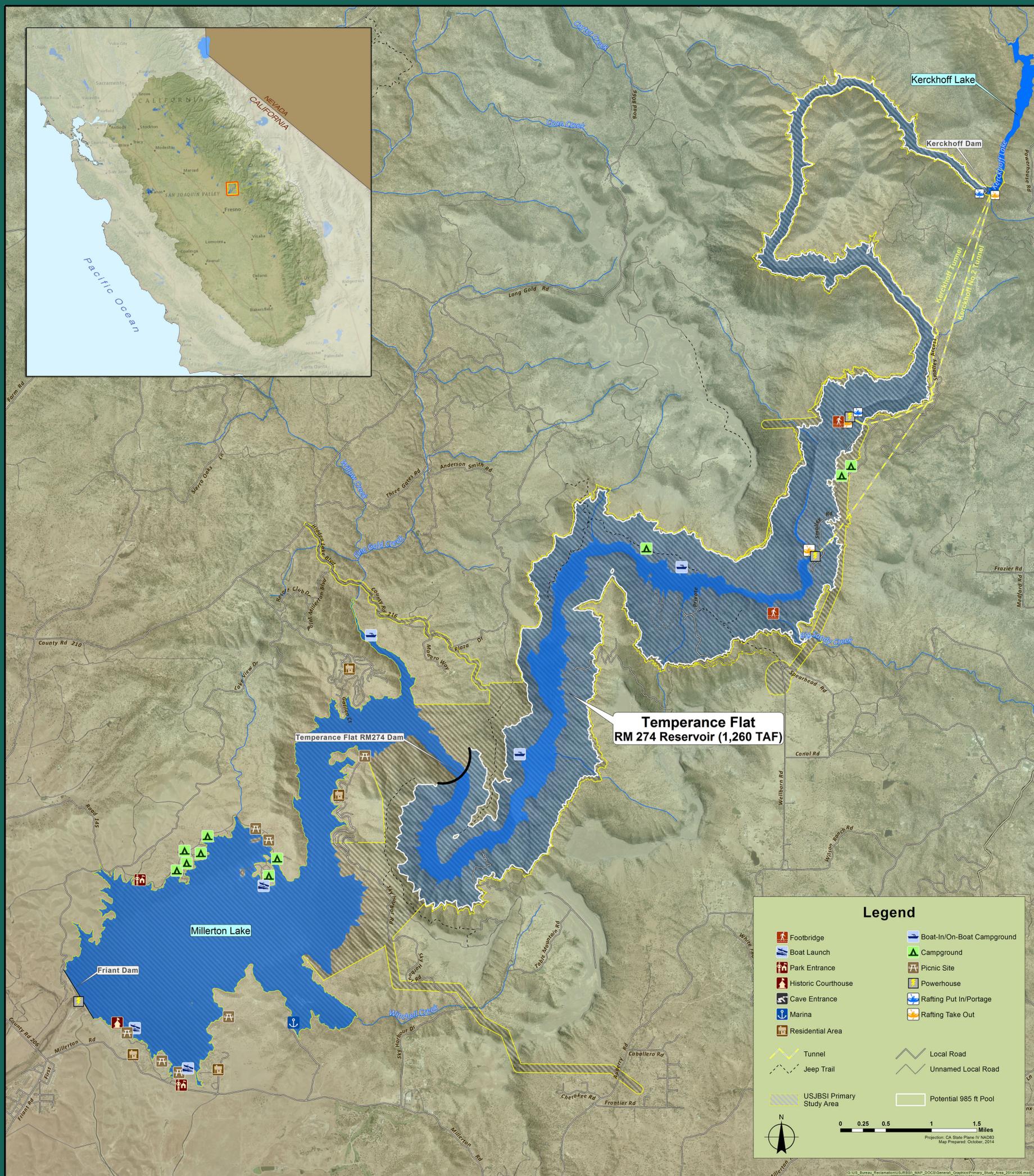
A range of potential beneficiaries and conveyance routing is represented in the alternatives.



LEGEND	
	River
	Proposed Reservoir
	Reservoir
	Major State/Federal Conveyance
	Local/Regional Conveyance
	Major Pumping Plant
NEW TEMPERANCE FLAT WATER SUPPLY	
Conveyance Routing	Potential Beneficiaries
	CVP
	SWP M&I



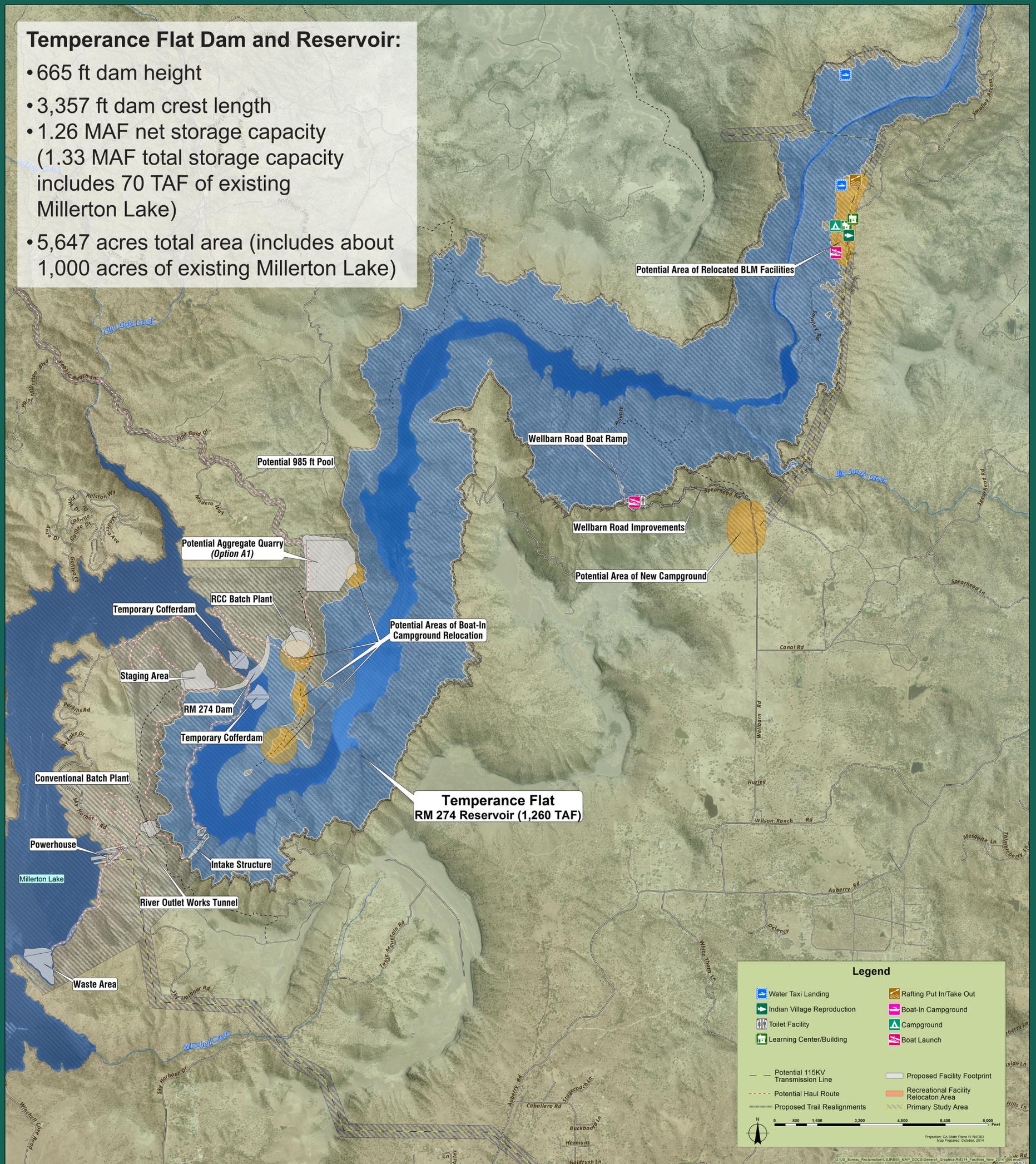
Primary Study Area



Proposed Project Features

Temperance Flat Dam and Reservoir:

- 665 ft dam height
- 3,357 ft dam crest length
- 1.26 MAF net storage capacity (1.33 MAF total storage capacity includes 70 TAF of existing Millerton Lake)
- 5,647 acres total area (includes about 1,000 acres of existing Millerton Lake)



Resource Area Environmental Impacts

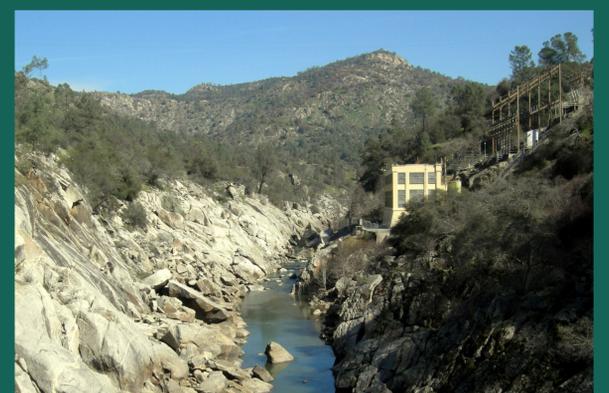
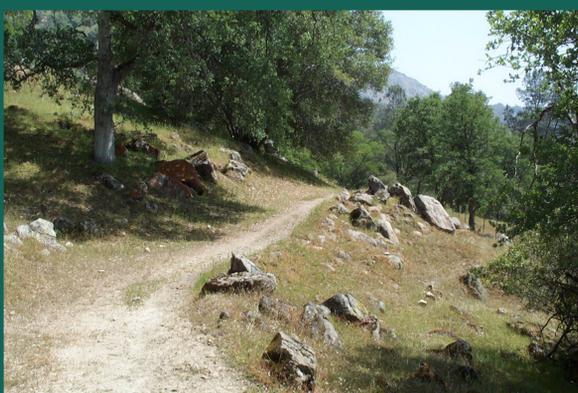
The Draft EIS discloses the potential direct, indirect, and cumulative impacts of implementing a proposed action and a reasonable range of alternatives including the No Action Alternative, consistent with NEPA and CEQA requirements. Some of the impacts would be temporary, construction-related effects that would be less than significant or would be reduced to less-than-significant levels through mitigation. Other impacts would be permanent. In addition, some effects of the project would be beneficial.

IMPACTS RELATED TO INUNDATION / RESERVOIR OPERATIONS

- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hydrologic Conditions
- Land Use
- Noise
- Power and Energy
- Public Health and Hazards
- Recreation
- Socioeconomic Resources
- Transportation and Circulation
- Utilities
- Visual Resources

IMPACTS RELATED TO CONSTRUCTION ACTIVITIES

- Air Quality
- Biological Resources
- Cultural Resources
- Geology and Soils
- Hydrologic Conditions
- Land Use
- Noise
- Paleontological Resources
- Public Health and Hazards
- Recreation
- Socioeconomic Resources
- Transportation and Circulation
- Utilities
- Visual Resources



Project Purpose

- Increase storage of water from the upper San Joaquin River watershed to improve water supply reliability and operational flexibility in CVP San Joaquin Valley areas and other regions of California
- Enhance water temperature and flow conditions in the San Joaquin River downstream from Friant Dam for salmon and other native fish

Objectives

PRIMARY PLANNING OBJECTIVES

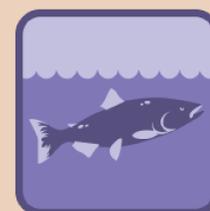
Increase water supply reliability and operational flexibility for:



Agricultural
Water
Supply



M&I Water
Supply



Salmon and
Other Native Fish

Enhance river water temperature and flow conditions for:

Primary objectives are those for which specific alternatives are formulated to address.

SECONDARY PLANNING OBJECTIVES



Water
Quality



Hydropower



Flood
Damage
Reduction



Recreation

Secondary planning objectives were considered in the plan formulation process, but only to the extent possible through pursuit of the primary objectives.

The project purpose, need, and objectives are consistent with CALFED objectives.

Summary of Alternatives

Features		Alternative Plan 1	Alternative Plan 2	Alternative Plan 3	Alternative Plan 4	Alternative Plan 5
Common Dam and Reservoir Features		<p>Facilities:</p> <ul style="list-style-type: none"> ▪ Roller-compacted concrete arch gravity dam approximately 665 ft high ▪ 665 ft wide uncontrolled ogee crest spillway ▪ Powerhouse (160 MW) and valve house ▪ Diversion and outlet works tunnel (30 ft diameter) <p>Storage:</p> <ul style="list-style-type: none"> ▪ 1,260 TAF net additional storage capacity ▪ 1,331 TAF total storage capacity <p>Elevation:</p> <ul style="list-style-type: none"> ▪ Top of active storage 985 ft msl 				
Intake Structure		Low Level	Low Level	Low Level	Selective Level	Low Level
Temperance Flat Reservoir Minimum Carry Over Storage (in TAF)		200	200	200	325	100
Millerton Reservoir Minimum Carry Over Storage (in TAF)		340	340	340	340	130*
Water Supply Beneficiaries	CVP Friant Division	✓	✓	✓	✓	✓
	CVP SOD		✓	✓	✓	✓
	SWP SOD M&I	✓	✓	✓	✓	
Conveyance Routing	Friant-Kern Canal and Madera Canal	✓	✓	✓	✓	✓
	Cross Valley Canal			✓		
	California Aqueduct	✓	✓	✓	✓	
	San Joaquin River and Mendota Pool	✓	✓	✓	✓	✓
Operations to Enhance Flow and Temperature Downstream from Friant Dam	Dry and Critical Year	+	+	+	+	++
	Long Term Average	+	+	O	++	-

*Millerton Lake would be operated with a preference for maintaining minimum storage at 340 TAF (when Temperance Flat Reservoir is not full), but could be drawn down to 130 TAF when needed for water supply delivery.

Key: CVP = Central Valley Project ft = feet msl = above mean sea level MW = Megawatt M&I = municipal and industrial SOD = South-of-Delta
SWP = State Water Project TAF = thousand acre-feet
+ = Increase ++ = largest increase O = no change - = decrease