Upper San Joaquin River Basin Storage Investigation: Proposed Preliminary Screening of Surface Storage Options

		Descriptive Information					Initial Screening Criteria								
Site	Option	Water Sources		Additional Storage Capacity		Hydroelectric Energy Production Opportunity	Design & Construction Considerations		Operational Considerations	Expected Environmental Impact					Retain/ Drop
		Primary	Secondary	x1000 ac-ft (TAF)	Relative Size		Existing Dam Safety	Seismic and Geology	Quality of Developed Water	Botany	Wildlife	Aquatic Biology, Water Quality	Recreation	Land Use	
Merced River Watershed															
Montgomery Reservoir	101 ft dam (new dam)	Merced River via North Side Canal	Dry Creek	241		No									**Drop**
San Joaquin River Watershed															
Friant Dam	25 ft raise	San Joaquin River	None	132		Possible									**Retain**
	60 ft raise	San Joaquin River	None	340		Possible									
	140 ft raise	San Joaquin River	None	870		Possible									
Fine Gold Creek	380 ft dam (new dam)	San Joaquin River (pumped storage)	Fine Gold Creek	132		Yes									**Retain**
	580 ft dam (new dam)	San Joaquin River (pumped storage)	Fine Gold Creek	780		Yes									
Temperance Flat (RM279)	440 ft dam (new dam)	San Joaquin River	None	451		Yes									**Retain**
	640 ft dam (new dam)	San Joaquin River	None	1273		Yes									
Kerckhoff (RM286)	180 ft dam (new dam)	San Joaquin River	None	14		Yes									**Retain**
	680 ft dam (new dam)	San Joaquin River	None	1986		Yes									
Mammoth Pool	add gates to spillway	San Joaquin River	None	35		Yes									**Retain**
"Big" Dry Creek Watershed															
"Big" Dry Creek	medium - long term storage	San Joaquin River via Friant-Kern Canal	Dry Creek	30		No									**Drop**
Kings River Watershed															
Pine Flat Dam	12 ft raise	Kings River	None	124		Possible									**Retain**
Mill Creek	250 ft dam (new dam)	Kings River via diversion from Pine Flat Reservoir	Mill Creek	200		Possible									**Retain**
Rodgers Crossing	400 ft dam (new dam)	Kings River	None	295		Yes									**Drop**
	660 ft dam (new dam)	Kings River	None	950		Yes									
Dinkey Creek	340 ft dam (new dam)	Dinkey Creek	None	90		Yes									**Drop**
	395 ft dam (new dam)	Dinkey Creek	None			Yes									

Upper San Joaquin River Basin Storage Investigation: Proposed Preliminary Screening of Surface Storage Options

		Descriptive Information					Initial Screening Criteria								
Site	**Option**	**Water Sources**		**Additional Storage Capacity**		**Hydroelectric Energy Production Opportunity**	**Design & Construction Considerations**		**Operational Considerations**	**Expected Environmental Impact**					**Retain/ Drop**
		Primary	Secondary	x1000 ac-ft (TAF)	Relative Size		Existing Dam Safety	Seismic and Geology	Quality of Developed Water	Botany	Wildlife	Aquatic Biology, Water Quality	Recreation	Land Use	
Kaweah River Watershed															
Dry Creek Dam	200 ft dam (new dam)	Kaweah River via diversion from Lake Kaweah	Dry Creek	70	•	Possible									**Retain**
Yokohl Creek	260 ft dam (new dam)	San Joaquin River via Friant-Kern Canal (pumped storage)	Yokohl Creek	450	•	Possible									**Retain**
	260 ft dam (new dam)	Kaweah River via diversion from Lake Kaweah (pumped storage)	Yokohl Creek	450	•	Possible									
Tule River Watershed															
Hungry Hollow	267 ft dam (new dam)	Tule River diversion from Lake Success (pumped storage)	Deer Creek	800	●	Possible									**Drop**
	267 ft dam (new dam)	San Joaquin River via Friant-Kern Canal (pumped storage)	Deer Creek	800	●	Possible									

Key

Relative Size

Primary Source Onstream	*Primary Source Offstream*	
•	•	< 50,000 AF
●	●	50,000 - 500,000 AF
●	●	> 500,000 AF

Initial Screening Criteria

Design, Construction, Operational Considerations

- Unfavorable conditions

Expected Environmental Impact

- Further effort required to determine expected level of impact
- Less than significant impacts
- Significant adverse impacts, but mitigatable
- Significant adverse impacts, ability to mitigate uncertain
- Impacts probably unmitigatable