

Forecast of SWP Operations (SWP proposed export plan)

Scenario #1: Purchase 50 TAF from Stanislaus for instream uses and SWP allowable export capacity increased by 500 cfs in Aug & Sep

	50% Exceedence							90% Exceedence						Impact Summary
	Apr 17-30	May 1-17	May 17-31	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan-00	Feb-00	Mar-00	
SWP Export Impacts	-7 ¹	-25 ¹	-97 ¹	-195 ¹										-324 TAF
SWP Export Makeups						19 ⁷	30 ⁷	104 ^{2,6}	48 ²		123 ³			324 TAF
SWP Available Capacity								59 ⁸	74 ⁸		130 ⁸	90 ⁸	25 ⁸	
Oroville Storage Changes				112 ²		-25 ⁷	-30 ⁷	-64 ^{2,6}	-48 ²					-55 TAF
Stanislaus Water Purchase					25 ⁵	16 ⁵	9 ⁵	-50 ⁵						
Potential Interruptible Water Impacts											-123 ⁴			-123 TAF

Scenario #2: Same as Scenario #1, but includes reduced outflow in November

SWP Export Impacts	-7 ¹	-25 ¹	-97 ¹	-195 ¹										-324 TAF
SWP Export Makeups						19 ⁷	30 ⁷	104 ^{2,6}	73 ^{2,9}		-98 ³			324 TAF
SWP Available Capacity								59 ⁸	49 ⁸		155 ⁸	90 ⁸	25 ⁸	
Oroville Storage Changes				112 ²		-25 ⁷	-30 ⁷	-64 ²	-48 ²					-55 TAF
Stanislaus Water Purchase					25 ⁵	16 ⁵	9 ⁵	-50 ⁵						
Potential Interruptible Water Impacts											-98 ⁴			-98 TAF

Scenario #3: Same as Scenario #2, but includes additional Oroville releases in October

SWP Export Impacts	-7 ¹	-25 ¹	-97 ¹	-195 ¹										-324 TAF
SWP Export Makeups						19 ⁷	30 ⁷	163 ^{2,6,10}	73 ^{2,9}		39 ³			324 TAF
SWP Available Capacity								0	49 ⁸		214 ⁸	90 ⁸	25 ⁸	
Oroville Storage Changes				112 ²		-25 ⁷	-30 ⁷	-123 ^{2,10}	-48 ²					-114 TAF
Stanislaus Water Purchase					25 ⁵	16 ⁵	9 ⁵	-50 ⁵						
Potential Interruptible Water Impacts											-39 ⁴			-39 TAF

- Pulse flow period allowable export combined = (Actual Vernalis Flow - 3,500 cfs).
- Base case allowable combined export = 1:1 base Vernalis flow (forecasted May 1999).

1. SWP export impacts equivalent to SWP SL storage reduction.
2. Retained project water in upstream reservoir in June and released in Oct & Nov for export makeup.
3. Capture excess winter flow for export makeup to fill SWP share of San Luis reservoir.
4. Impacts to SWP interruptible contractors deliveries due to delay in filling SWP share of San Luis reservoir.
5. Stanislaus purchase water backed into upstream storage in July (25TAF), August (16TAF), & Sep (9TAF) and released in October.
6. Export of water saved in upstream storage as noted in #5 above.
7. Additional SWP Exports attributable to proposed 500 cfs increase in SWP export capacity (19 TAF Aug and 30 TAF Sep). These exports are supported by releases from Oroville.
8. Use of the remaining SWP pumping capacity requires upstream reservoir releases and is limited by E/I criterion.
9. Reduce Delta outflow in November from 4,500 cfs to about 4,000 cfs (to meet Contra Costa 250 mg/l chloride standard) This adds 25 TAF to export makeup.
10. Relax Feather River flow criterion to allow moving more water from Oroville into San Luis in October. Feather River releases would be about 4500 cfs in Oct. This adds 59 TAF to export makeup.

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