

# 1981 Dry Year

Concern	Tools	System Status		Priority	
		Historic	Baseline (WQCP)	Action	Evaluation
Yearling salmon migrants Oct-Jan	• Increase inflow	12,000	12,000	A	Spring escapement 79 was 3000; take 10-100 A 2weeks in Nov B 1 week in Dec
	• Reduce export	6000	8000		
	• Close DCC	Closed Nov	Closed Dec-Jan		
Winter run survival Dec-Mar	• Increase inflow	>20000	20000	A	<ul style="list-style-type: none"> <li>• Start Feb</li> <li>• Other salmon present</li> <li>• Winter escapement 1000</li> </ul>
	• Reduce export	3000-9000	11,000 allowed		
	• Close DCC	Closed	Closed		
Delta Smelt Adults Jan-Mar	• Reduce export	8000>5000	11000 Feb, 8000 Mar	A	<ul style="list-style-type: none"> <li>• FMWT 3000</li> <li>• If pumping is higher than historic then A.</li> <li>• If many in central and south Delta, then concern.</li> </ul>
Steelhead Feb-May	• Reduce export	5000>10,000	8000-10000	A if wild	<ul style="list-style-type: none"> <li>• escapement - ?</li> <li>• Feather, Battle Creek, Nimbus releases</li> <li>• High salvage</li> </ul>
X2 Feb - June	• Increase inflow	Similar to regs in Feb-Apr, 85 in May	75-80 May and June	OK	
	• Reduce export				
Salmon Fry Feb-Mar				OK	
DS Young Apr-Jul	• X2 placement	83 in May - similar to regs in June	75-80 May June	B >>>> A (M-J)/B (Jul) >>>>	<ul style="list-style-type: none"> <li>• Moderate take in April</li> <li>• High take in May-July</li> </ul>
	• Reduce exports	4000	1500		
San Joaquin smolts Apr-Jun	• Reduce exports	8000 April, 3000 May	4450	A	SJ escapement 3500 A from April 15-May 30
	• Increase SJ flow	3000 April, 2000 May	4450		
	• Close HOR	Open	closed		
Striped Bass Young May-Aug	• X2 placement			C	Take high in June STN Index of 29.
	• Increase Sac flow				
	• Reduce exports				
Splittail May-Jul				OK	

1982 Wet Year

Concern	Tools	System Status		Priority	
		Historic	Baseline (WQCP)	Action	Evaluation
Yearling salmon migrants Oct-Jan	• Increase inflow			B	Early salmon before hydrologic cue - could be hatchery release. Deer and Mill spring run escape = 2000. Concern begins in late Dec and extends for 4 weeks.
	• Reduce export				
	• Close DCC	Closed late Oct	Closed late Oct		
Winter run survival Dec-Mar	• Increase inflow			A	<ul style="list-style-type: none"> <li>• Winter run escapement 20000; but lower 3 years later- suggests poor spawning conditions in 82 - high concern for WR smolts mid-Feb to end of Mar - also poor Ocean conditions (El Nino)</li> </ul>
	• Reduce export				
	• Close DCC				
Delta Smelt Adults Jan-Mar	• Reduce export	5000 in Jan-Feb, 10000 Feb-Mar	10,000	A	<ul style="list-style-type: none"> <li>• Largest decline in FMWT index was 800 in fall of 81, fallen from 3000 in 80.</li> <li>• Adult take high late Jan through 2<sup>nd</sup> week in Mar</li> </ul>
Steelhead Feb-May	• Reduce export	10000	11000	B	<ul style="list-style-type: none"> <li>• Unk escapement</li> <li>• Apr density &gt;100/TAF</li> <li>• VAMP helps</li> </ul>
X2 Feb - June	• Increase inflow			OK	
	• Reduce export				
Salmon Fry Feb-Mar	• Reduce export	10000	11000	B	Other salmon present 15 Feb-Mar
DS Young Apr-Jul	• X2 placement			OK	
	• Reduce exports				
San Joaquin smolts Apr-Jun	• Reduce exports	10000 april	11000 allowed	A	SJ escapement = 25000 B for 60 day VAMP A for 30 day VAMP
	• Increase SJ flow	>20000	>20000		
	• Close HOR	open	close		
Striped Bass Young	• X2 placement			C	STN Index 48.7 - highest take in July.
	• Increase Sac flow				
	• Reduce exports	3000>1500 export	6000-10000 export		
Splittail May-Jul				OK	