

**From:** "Dave Dettman" <Dave@mpwmd.dst.ca.us>  
**To:** "Connie Shannon" <cshannon@dfg.ca.gov>  
**Date:** 1/8/03 11:18AM  
**Subject:** RE: Fish passage at Los Padres and San Clemente dams

REF 90593

Connie: Please log onto the District's website for additional information on monitoring. Basically, the District monitors juvenile population during annual fall surveys (Oct) and operates a fish counter in the fish ladder at San Clemente Dam. As you know, Cal-Am operates a trap/truck facility at the base of Los Padres Dam and carries all arrivals upstream to the reservoir. CDFG has sampled the habitat upstream of Los Padres Dam ~once every four year basis. I think that survey is due for repeat. If you have any additional questions or need further assistance, please call me at 831-658-5643.  
Dave

-----Original Message-----

From: Connie Shannon [mailto:cshannon@dfg.ca.gov]  
Sent: Wednesday, January 08, 2003 9:52 AM  
To: Dave Dettman  
Subject: Fish passage at Los Padres and San Clemente dams

Hello Dave;

I'm interested in getting some recent information regarding anadromous fish passage at the Los Padres and San Clemente dams. Can you help?

What other programs are there to monitor anadromous fish populations in the Carmel River?

Much obliged,  
Connie

Connie Shannon  
PSMFC  
Phone (530) 225-2155  
Fax (530) 225-2267  
Northern California North Coast Region  
CA Dept. of Fish and Game  
2440 Athens Ave.  
Redding, CA 96001

**CC:** "Kevan Urquhart (E-mail)" <kurquhart@dfg.ca.gov>

"Since 1993 the Ladder has been operated from Dec through May"... "When the river is breeched."

SCC-V7

**From:** "Dave Dettman" <Dave@mpwmd.dst.ca.us>  
**To:** "Connie Shannon" <cshannon@dfg.ca.gov>  
**Date:** 1/8/03 5:00PM  
**Subject:** RE: Fish Counts at San CLemente Dam

Connie: No not really, because there are three significant tributaries, San CLemente Creek, Pine Creek, and Cachagua Creek that have populations. Based on rearing habitat indexes measured during 1980-90's and CDFG data on Pine Creek from 1970's, it would be safe to assume following proportions for the basin between the dams:

Stream Section Proportion	Length	Rearing Habitat Area	Total Habitat Units	Capacity (yoy)
Mainstem 53%	5.4 mi	762,821 sqft	3,204,000	52,000
Cachagua Creek 9,800	5.1	109,605	217,551	
San Clemente Cr. 20,100	7.2	203,600	760,500	
Pine Creek 17,200	5.5	174,200	650,700	
4,832,751		99,100	Totals 23.2	1,250,226

The proportions in a given year could be expected to vary significantly with higher proportions in mainstem during dry periods, when significant portions of tributaries experience severe habitat/flow depletion. Nonetheless, these fractions are probably valid for your purposes.

Hope this helps,  
 Dave Dettman

-----Original Message-----

From: Connie Shannon [mailto:cshannon@dfg.ca.gov]  
 Sent: Wednesday, January 08, 2003 2:39 PM  
 To: Dave Dettman  
 Subject: RE: Fish Counts at San CLemente Dam

Perfect. Thanks.

Is it safe to assume that the difference between counts at San Clemente and Los Padros is the in-river spawning population for that section of the Carmel River?

Connie

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## Monterey Peninsula Water Management District

Historical counts of adult steelhead migrating past San Clemente Dam and of steelhead trapped and passed over Los Padres Dam, 1949-02. Based on Snider (1983), Dettman (1986) and California Department of Fish and Game and Monterey Peninsula Water Management District files. The 1962-73 and 1991-93 counts at San Clemente Dam are the sum of daily counts of fish made by shutting off the flow in the ladder. The 1974, 1975, 1984, and 1994-02 data are complete counts registered on an automatic counter as the fish climbed the ladder.

YEAR	MONTHLY COUNTS AT SAN CLEMENTE DAM							TOTAL	Method
	DEC	JAN	FEB	MAR	APR	MAY			
1949	no data available								
1950			"						
1951			"						
1952			"						
1953			"						
1954			"						
1955			"						
1956			"						
1957			"						
1958			"						
1959			"						
1960			"						
1961			"						
1962			"				566	VC	
1963			"				255	VC	
1964	0	113	118	327	201		759	VC	
1965	203	814	152	181	0		1,350	VC	
1966	76	319	451	69	0		915	VC	

### Monterey Peninsula Water Management District

1967	0	546	275	493	0		1,314	VC
1968	0	0	153	93	0		246	VC
1969	0	205	818	313	0		1,336	VC
1970	0	206	51	105	0		362	VC
1971	0	244	168	265	92		769	VC
1972	0	0	77	17	0		94	VC
1973	0	390	444	188	0		1,022	VC
1974	16	69	39	224	47		395	AC
1975	0	0	285	1,002	0		1,287	AC
1976	0	0	0	0	0		0	VC
1977	0	0	0	0	0		0	VC
1978								
1979								
1980								
1981								
1982		no data available						
1983		no data available						
1984	1	3	24	289	63		380	AC
1985		no data available						
1986		no data available						
1987		no data available						
1988	0	0	0	0	0	0	0	
1989	0	0	0	0	0	0	0	
1990	0	0	0	0	0	0	0	
1991	0	0	0	1	0	0	1	VC
1992	0	0	3	12	0		15	VC
1993	0	132	73	65	13		283	VC
1994	0	0	37	49	5		91	AC
1995	0	39	191	76	4		310	AC
1996	8	46	107	188	78	11	438	AC

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	<i>Nov</i>		<i>March</i>						
1997	5	61	118	154	340	86	11	775	AC
1998	0	1	44	111	568	129	8	861	AC
1999	0	2	13	126	218	46	0	405	AC
2000	0	0	34	176	198	59	5	472	
2001	0	2	39	231	433	95	4	804	
2002	2	21	24	232	298	60	5	642	
Averages		13	113	150	200	33	4	511	32
1962-75		30	279	263	195	14		780	13
1997-02 1949-90		15	45	172	343	79	6	660	#DIV/0!

\* Total counts in 1976, 1977, 1988, 1989 and 1990 assumed to be zero for sea-run fish, as no outflow from the lagoon occurred during these years, however a small number of resident-type fish may have migrated upstream.

1 Counting Method: VC, visual count; AC, automatic counter.

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LOS PADRES  
TRAP

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1949	147		147
1950	124		124
1951	154		154
1952	86		86
1953			
1954			
1955			
1956			
1957			
1958			
1959			
1960			
1961			
1962	558	566	558
1963	8	255	8
1964		759	ND
1965	257	1,350	257
1966		915	
1967		1,314	
1968		246	
1969		1,336	
1970		362	
1971	6	769	6
1972	0	94	0
1973	2	1,022	2
1974	3	395	3
1975	9	1,287	9
1976	0	0	0
1977	0	0	0
1978			ND
1979			ND
1980			ND
1981			ND
1982	138		138
1983	171		171

Adult steelhead returns have not reached pre-1976-77 drought levels, but the steelhead population is steadily recovering from the impacts of the 1987-91 drought.

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1984	51	380	51
1985	27		27
1986	42		42
1987			ND
1988	0	0	0
1989	0	0	0
1990	0	0	0
1991	0	1	0
1992	5	15	5
1993	26	283	26
1994	4	91	4
1995	30	310	30
1996	94	438	94
1997	227	775	227
1998	122	861	122
1999	118	405	118
2000		472	
2001		804	
2002		642	

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