EXHIBIT D

TABLES

Table 1. Geographic and temporal distribution of spawning in the Stanislaus, Tuolumne and Merced Rivers.

STANISLAUS RIVER					
		Distribution of Redds[2]			
Date	%Redds Observed[1]	Goodwin	Knights Ferry to Horseshoe	Horseshoe to Oakdale	Oakdale to Riverbank
Before Oct 1	0.1%	100.0%	0.0%	0.0%	0.0%
Oct 1-15	1.5%	32.1%	61.3%	4.8%	1.8%
Oct 16-31	10.5%	17.5%	55.0%	24.5%	3.0%
Nov 1-15	29.4%	15.1%	51.4%	31.1%	2.5%
Nov 16-30	29.4%	13.6%	49.5%	33.6%	3.3%
Dec 1-15	19.0%	19.7%	38.9%	33.2%	8.2%
Dec 16-31	9.0%	14.5%	44.6%	34.3%	6.6%
Jan 1-15	1.1%	0.0%	46.5%	43.9%	9.7%

TUOLUMNE RIVER					
		Distribution of Redds[2]			
Date	%Redds Observed[1]	La Grange Dam to Basso Bridge	Basso Bridge to Turlock Lake	Turlock Lake to ~Waterford	~Waterford to Fox Grove
Before Oct 1	<0.1%	0.0%	0.0%	0.0%	0.0%
Oct 1-15	0.4%	69.6%	17.4%	10.1%	2.9%
Oct 16-31	9.6%	77.5%	18.4%	3.7%	0.3%
Nov 1-15	23.0%	70.5%	18.4%	9.4%	1.7%
Nov 16-30	28.6%	60.2%	21.0%	15.6%	3.2%
Dec 1-15	21.9%	61.4%	18.2%	14.3%	6.1%
Dec 16-31	13.7%	61.2%	19.6%	13.7%	5.5%
Jan 1-15	2.8%	67.2%	17.9%	11.6%	3.2%

MERCED RIVER					
Before Oct 1	0.0%	0.0%	0.0%	0.0%	0.0%
Oct 1-15	<0.1%	100.0%	0.0%	0.0%	0.0%
Oct 16-31	3.1%	71.1%	21.4%	7.1%	0.4%
Nov 1-15	26.1%	65.8%	25.8%	7.7%	0.8%
Nov 16-30	33.6%	60.4%	24.9%	12.5%	2.2%
Dec 1-15	23.8%	31.1%	29.7%	28.7%	10.6%
Dec 16-31	11.1%	17.5%	28.5%	33.5%	20.5%
Jan 1-15	2.4%	5.5%	26.4%	39.2%	28.9%

[1] Based on 1998-2005 CDFG spawning survey data.
[2] Based on 2000-2005 CDFG spawning survey data. CDFG indicated there are problems with earlier data.

Table 2. Revised assessment of temperature impairment summary for adult salmon migration in the Tuolumne River based on the corrected time period.

Tuolumne Salmon Migration Impairment Summary												
Max 7DADM Temperature												
Year	**40**	**41**	**42**	**43**	**44**	**45**	**46**	**47**	**48**	**49**	**50**	**51**
1998	16.5	15.8	15.4	15.1	14.9	13.6	13.5	13.4	13.1	10.8	10.7	10.1
1999	19.3	18.9	16.8	16.7	16.0	15.3	14.8	12.6	12.1	11.0	10.3	10.4
2000	20.7	17.8	17.9	16.0	15.0	14.6	12.3	11.7	11.4	12.7	11.8	11.0
2001	No data available						16.1	15.3	12.5	12.1	11.1	10.8
2002	20.6	21.3	19.0	17.1	15.1	14.7	15.4	14.3	13.0	12.3	12.0	11.7
2003	21.8	19.9	18.7	18.4	15.6	14.9	14.6	12.4	11.3	13.0	12.0	11.5
2004	No data available								9.9	10.2	13.4	10.9
2005	19.9	19.0	17.3	16.7	15.9	15.0	14.3	12.1	10.8	10.0	9.9	11.0
2006	17.1	17.1	15.0	14.3	13.6	13.9	12.6	12.2	9.5	9.2	10.7	8.3
Average	**19.4**	**18.5**	**17.1**	**16.3**	**15.1**	**14.6**	**14.2**	**13.0**	**11.5**	**11.3**	**11.3**	**10.6**
											Total number of observations	**92**
											Number of observations >18C	**12**
											Number of observations required to list	**16**

FIGURES

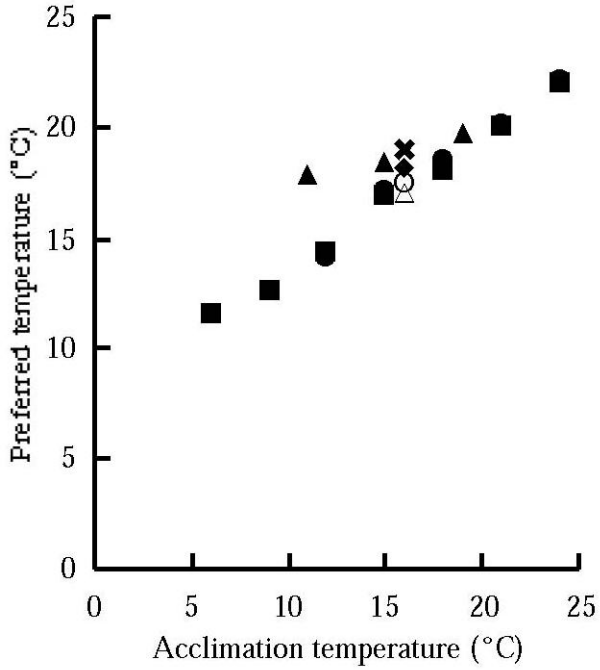

Figure 1. Relationship between preferred temperatures and acclimation temperatures for steelhead. From Myrick and Cech 2004.

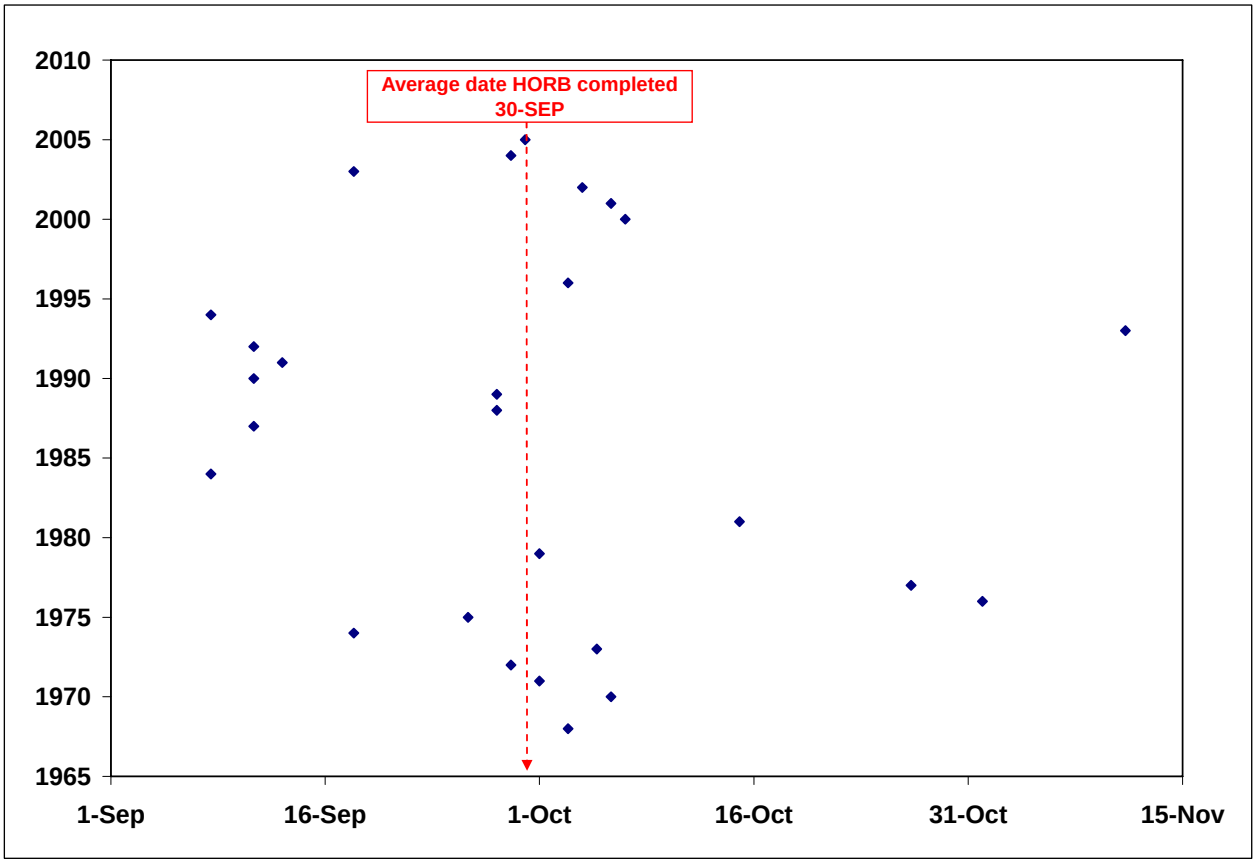

Figure 2. Timing of Head of Old River Barrier completion during fall 1968-2005.

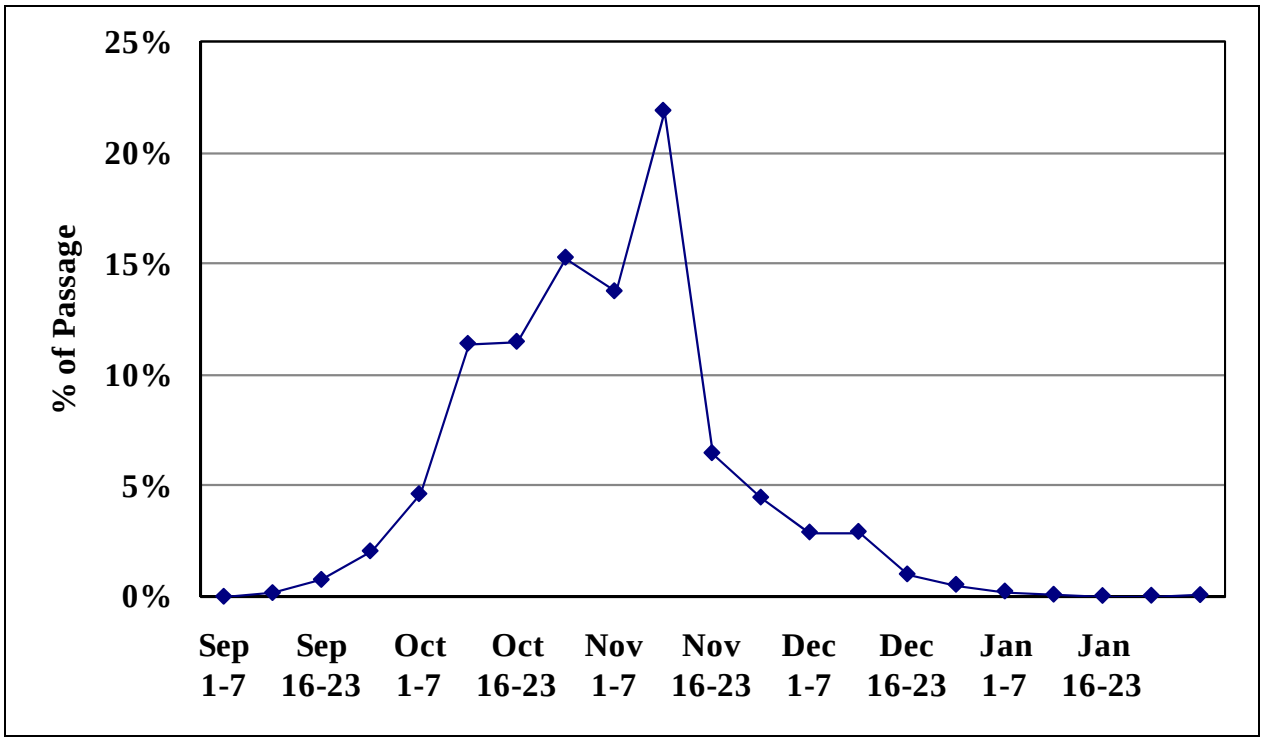

Figure 3. Generalized upstream migration timing pattern observed at the Stanislaus River Weir near Riverbank (River Mile 31.4) during 2003-2006.

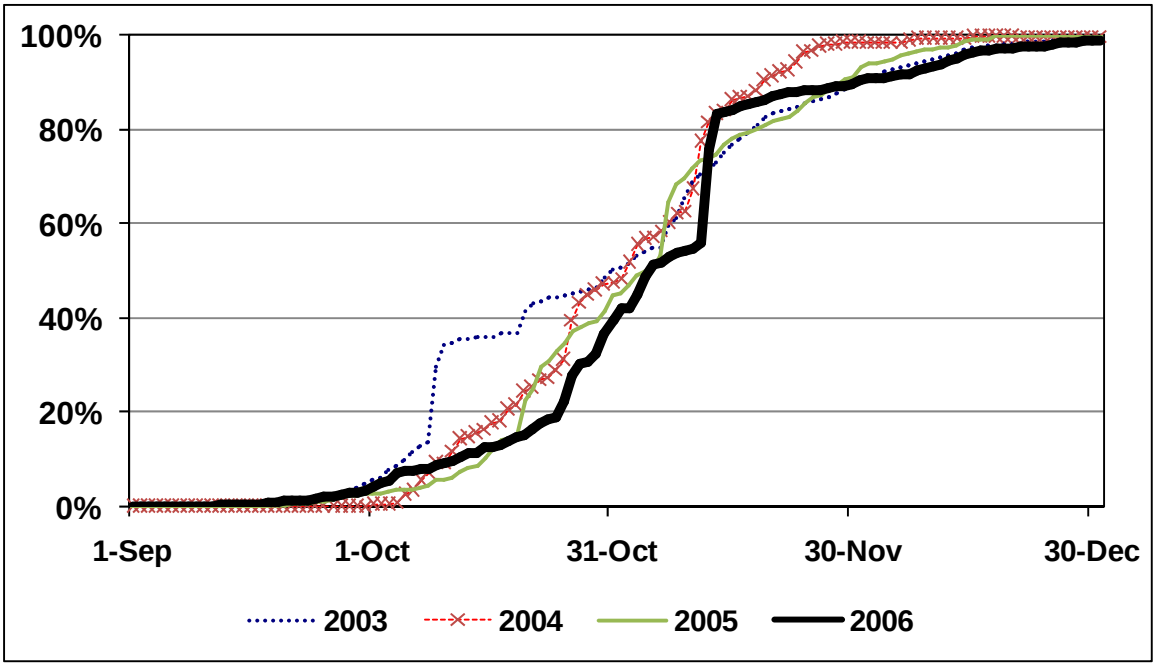

Figure 4. Cumulative passage at the Stanislaus River Weir during 2003-2006.

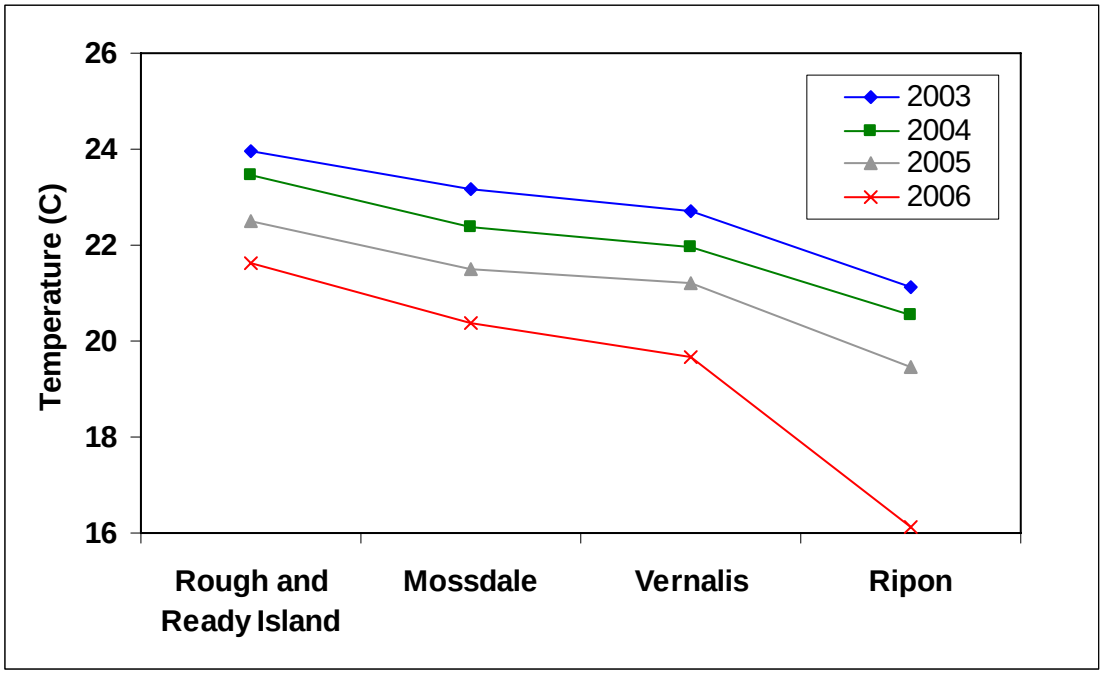

Figure 5. Average monthly temperatures in the San Joaquin and Stanislaus rivers during September 2003-2006.

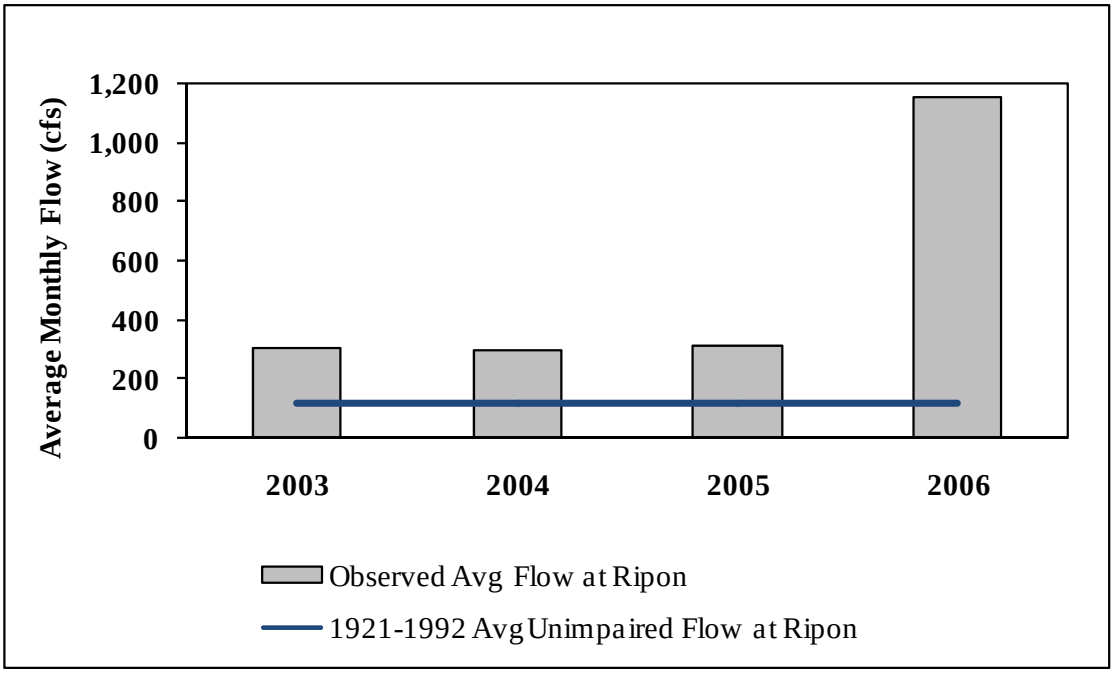

Figure 6. Average unimpaired monthly flow and observed average flow in the Stanislaus River at Ripon during September.

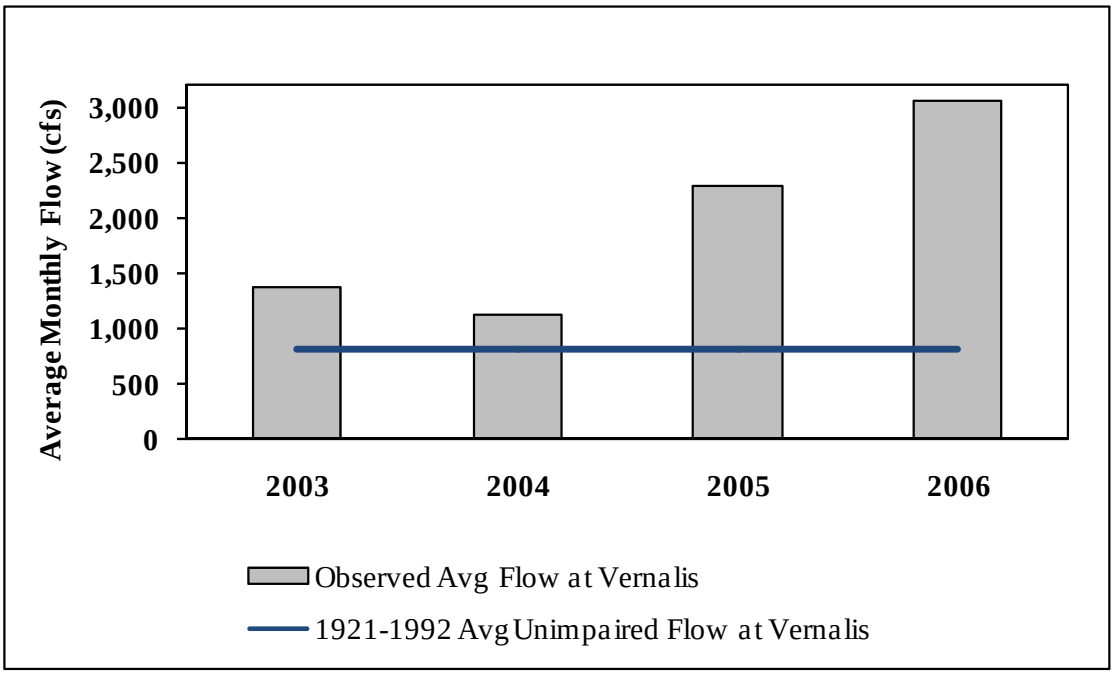

Figure 7. Average unimpaired monthly flow and observed average flow in the San Joaquin River at Vernalis during September.

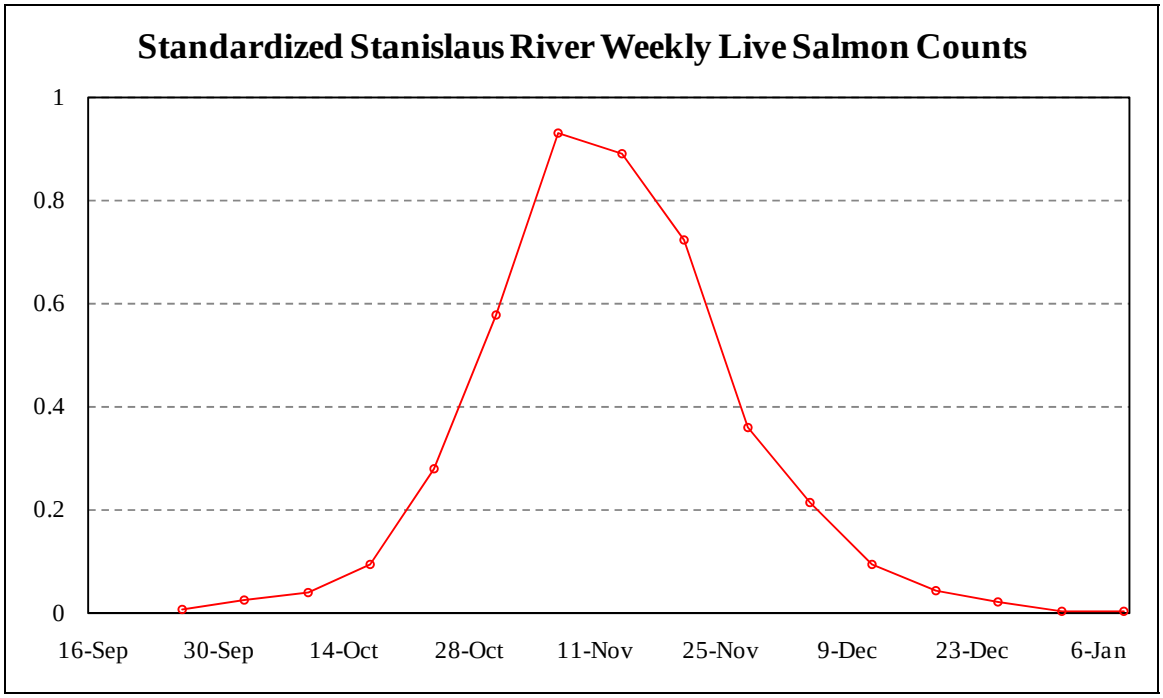

Figure 8. Standardized weekly live salmon counts from spawning surveys conducted on the Stanislaus River during 2000-2006.

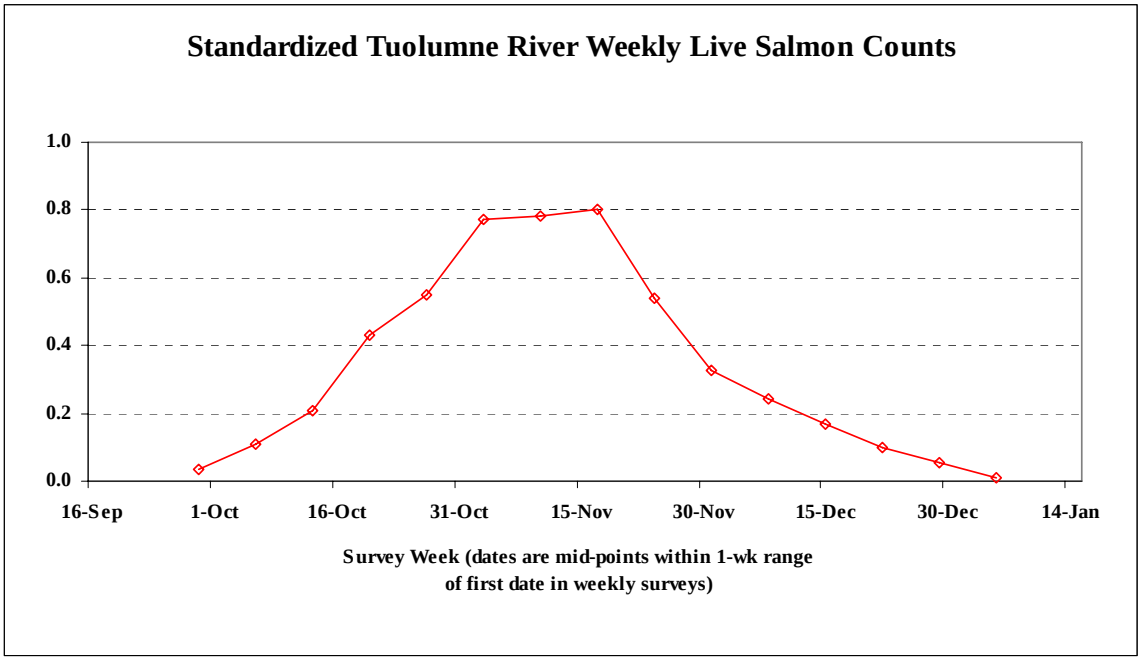

Figure 3. Standardized weekly live salmon counts from spawning surveys conducted on the Tuolumne River during 1982-2005.

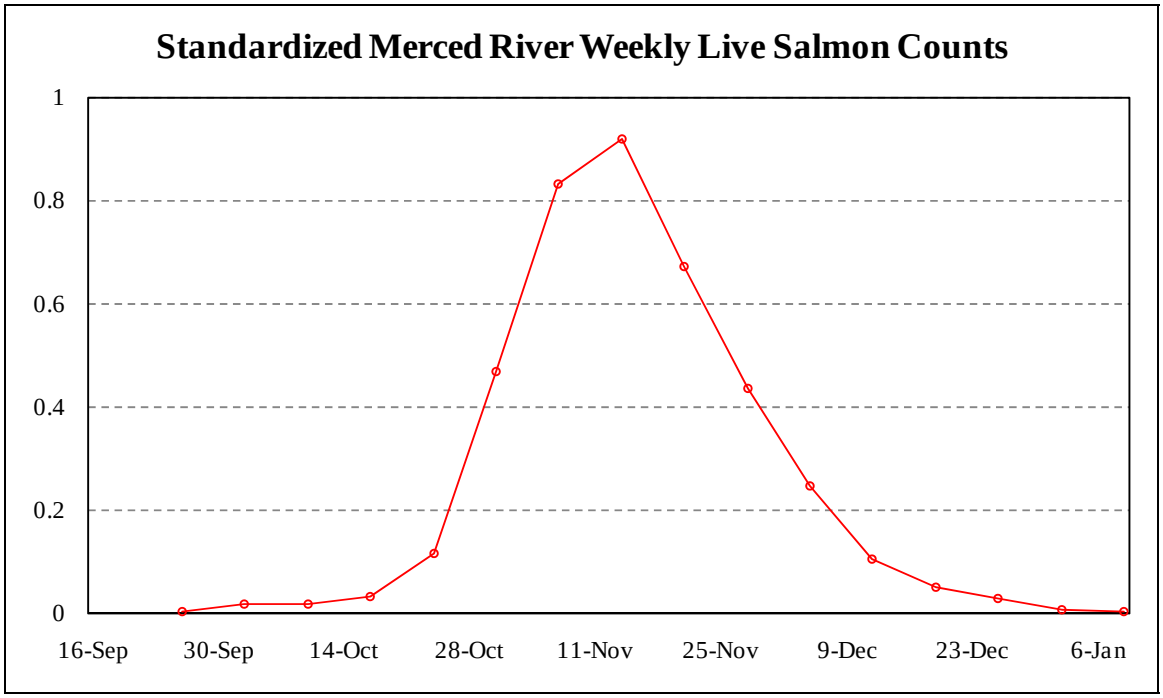

Figure 10. Standardized weekly live salmon counts from spawning surveys conducted on the Merced River during 1992-2005.

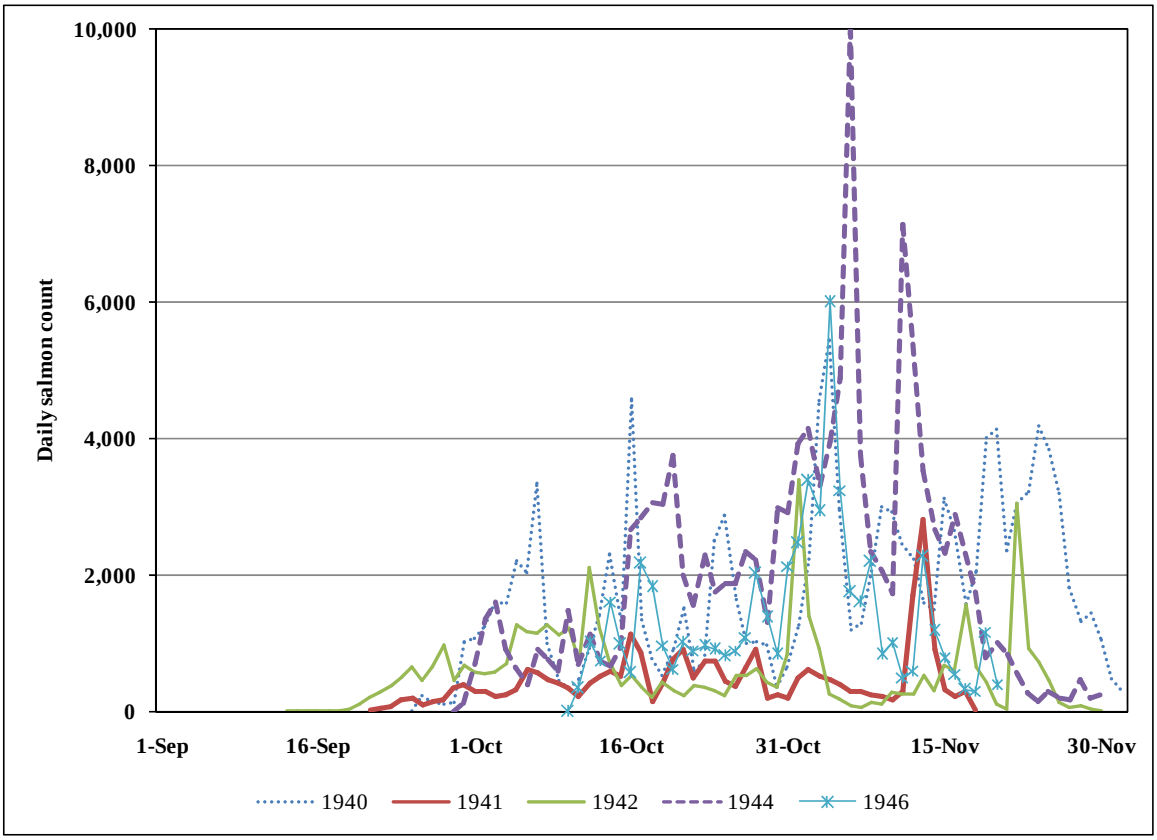

Figure 11. Daily adult salmon counts on the Tuolumne River during weir operations in 1940-1942, 1944, and 1946.

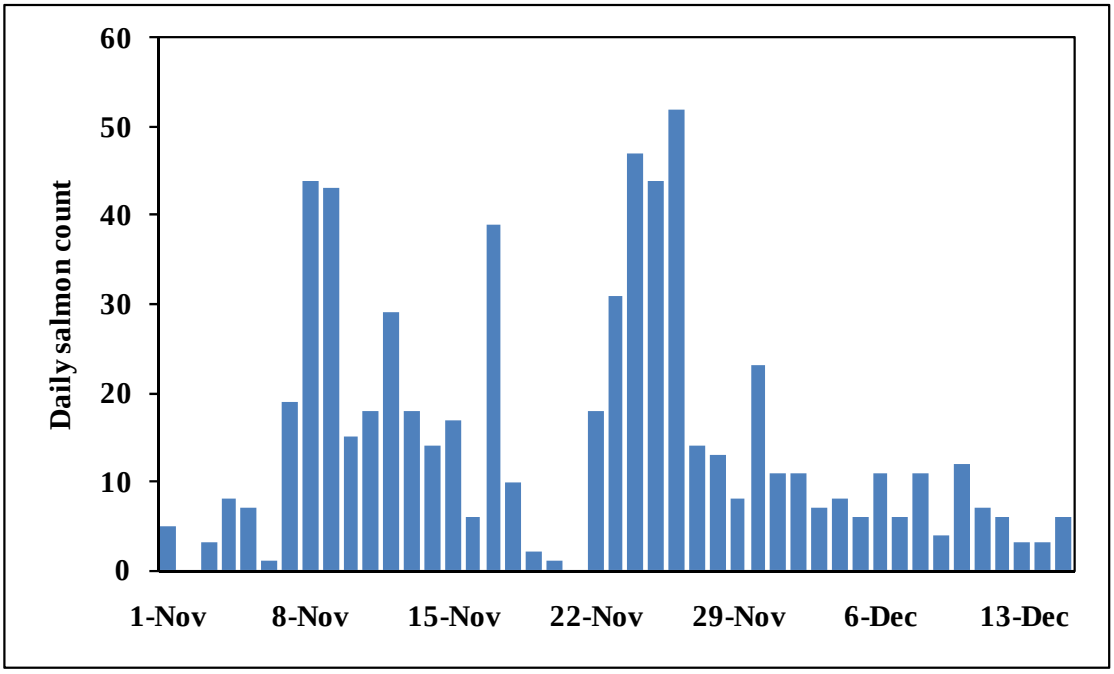

Figure 12. Daily salmon counts during operation of an adult upstream migrant trap in the San Joaquin River near Banta Carbona during 1977.

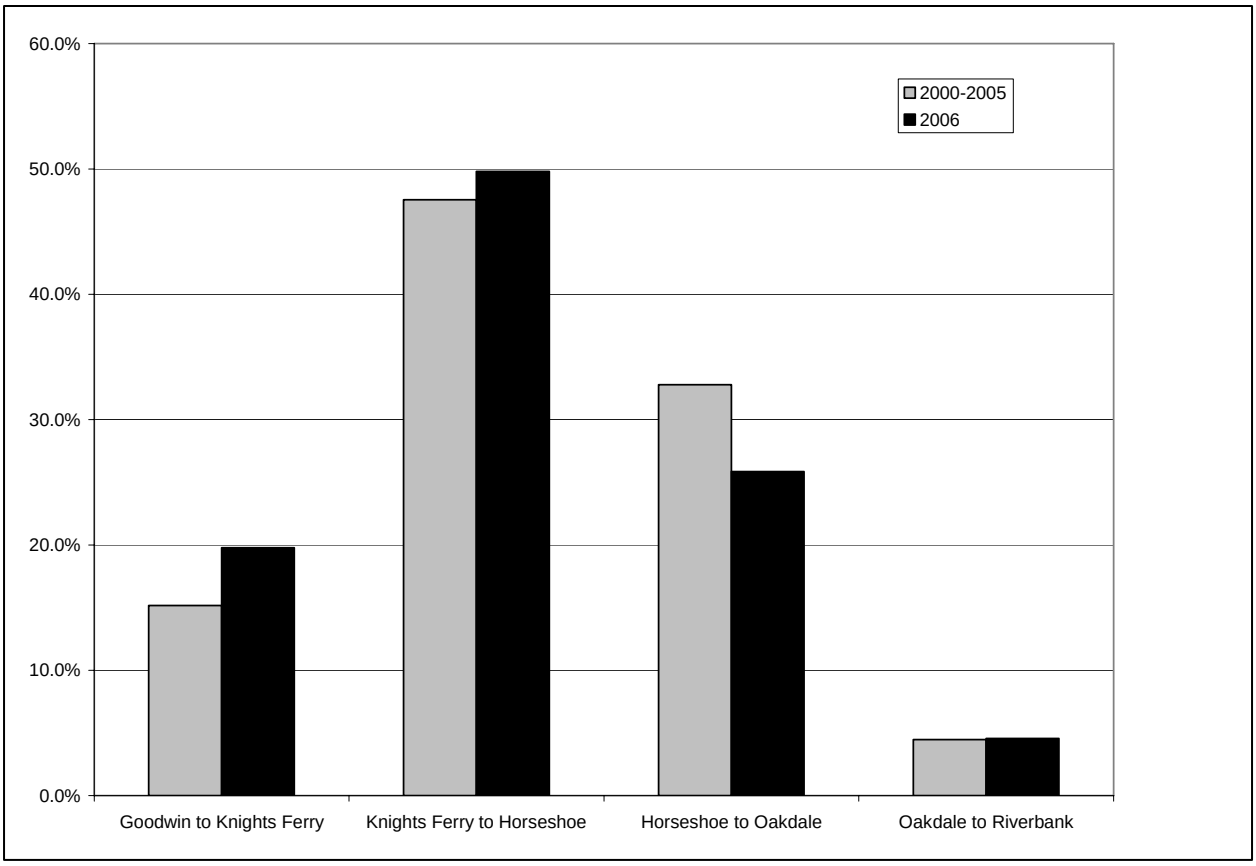

Figure 13. Distribution of redds in the Stanislaus River during 2000-2005 and 2006.