### NITED STATES OF AMERICA BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

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and	)
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Modesto Irrigation District	)

Project No. 2299

### 2009 LOWER TUOLUMNE RIVER ANNUAL REPORT

Report 2009-3

2009 Seine Report and Summary Update

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### **EXECUTIVE SUMMARY**

The 2009 seining survey was conducted at two-week intervals from 13 January to 02 June for a total of 11 sample periods. This was the 24th consecutive annual seining study on the Tuolumne River conducted by the Turlock and Modesto Irrigation Districts.

A total of 779 natural Chinook salmon were caught in the Tuolumne River and none in the San Joaquin River. This was the 8<sup>th</sup> lowest number of salmon caught during the 1986-2009 period and salmon were captured downstream to the Charles Rd. location (RM 24.9). Peak density of salmon caught in the Tuolumne was 19.2 salmon per 1,000 square feet on 02 June, an anomaly from the usual mid to late February period. Maximum fork length (FL) in the Tuolumne River increased from 41 mm FL to 77 mm FL from 27 January to 07 April and minimum FL was 33 mm.

Flows during the sampling period ranged from about 160 to 950 cubic feet per second (cfs) in the Tuolumne River at La Grange and from about 1,000 to 2,700 cfs in the San Joaquin River at Vernalis. Flows in 2009 were relatively low due to the third consecutive year of below average precipitation.

Water temperature in the Tuolumne ranged from  $9.4^{\circ}$ C to  $22.9^{\circ}$ C and in the San Joaquin from  $10.3^{\circ}$ C to  $26.5^{\circ}$ C. Conductivity in the Tuolumne River ranged from 35 to  $225 \,\mu$ S and in the San Joaquin from 397 to  $1,656 \,\mu$ S.

A comparative review of fork length and salmon density for the 2004-2009 period is included. Increase in average fork length in 2009 was typical in timing and magnitude to the pattern observed in other years through March. After that, average fork length remained fairly stable due to low catch numbers and the outmigration of smolts.

Density of fry ( $\leq 50$  mm) peaked on 9 February, about midway in timing to other years of the 2004-2009 period. The density of juveniles (> 50 mm) peaked on 02 June, which was much later than other years in the period. In 2009, the average density of salmon in the Tuolumne River was 4.7 salmon per 1,000 ft<sup>2</sup>, most similar to 1990 and 1995.

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### **1** INTRODUCTION

Stillwater Sciences with assistance from FISHBIO conducted seine studies in the Tuolumne and San Joaquin Rivers in 2009 for the Turlock and Modesto Irrigation Districts (TID/MID).

Seine sampling was done in both rivers pursuant to the Don Pedro Project river-wide monitoring program. A primary objective was to document juvenile salmonid size, abundance and distribution, including the relationship of flow and other environmental variables. The salmon in 2009 were the progeny of the 2008 fall spawning run, estimated at about 372 fish. This was the 24th consecutive annual TID/MID seining study and a summary of salmonid data since 1986 is contained in this report.

### 1.1 STUDY SITES

The area studied was the Tuolumne River from La Grange Dam (river mile [RM] 52.0) to its confluence (RM 0) with the San Joaquin River at RM 83.8, and the San Joaquin River from Laird Park (RM 90.2) to Gardner Cove (RM 79.4) (Fig. 1). A total of ten sites were sampled each survey period, eight on the Tuolumne and two on the San Joaquin. The locations of the sites were as follows:

Site	Location	River Mile
	Tuolumne River	
1	Old La Grange Bridge (OLGB)	50.5 <sup>a</sup>
2	Riffle 5	48.0
3	Tuolumne River Resort (TRR)	42.4
4	Hickman Bridge	31.6
5	Charles Road	24.9
6	Legion Park	17.2
7	Service Rd.	8.7
8	Shiloh Road	3.4
	San Joaquin River	
9	Laird Park	90.2 <sup>b</sup>
10	Gardner Cove	79.4

a. From the confluence with the San Joaquin River.

b. From the confluence with the Sacramento River.

The Tuolumne River was stratified into three sections. The upper section (RM 52 to 34), sites 1-3, is a higher gradient area that includes most of the primary spawning riffles in the river. The middle section (RM 34 to 17), sites 4-6, is the transitional area from the gravel-bedded to sand-bedded river reaches. This section contains much of the in-channel sand/gravel mined areas. The lower section (RM 17 to 0), sites 7-8, is a lower gradient, mostly sand-bottom reach downstream of the Dry Creek confluence.

### 1.2 2009 TUOLUMNE AND SAN JOAQUIN RIVER SAMPLING CONDITIONS

Flows released in the Tuolumne River below La Grange Dam were approximately 165 cfs in January when the surveys began. A significant winter rain runoff event occurred in early March and was evident in flows at Modesto. Releases began increasing on 15 April during the spring pulse flow period (Fig. 2). During April and May, there were two pulse flows of about 670 cfs and 950 cfs. In late May flows began to decrease to about 170 cfs by early June and then to about 105 cfs.

Flows in the San Joaquin River at Vernalis (RM 72.5) ranged from 1,000-2,700 cfs from January through June.

Flows upstream of Vernalis, at Patterson Bridge (RM 98.5) and Maze Road (RM 77.3), represent flow levels at the sampling locations of Laird Park upstream of the Tuolumne and Gardner Cove downstream of the Tuolumne, respectively.

The minimum water temperature recorded in the Tuolumne River during the study period, based on hand-held temperature measurements, was 9.4 °C (48.9 °F) at Hickman Bridge on 13 January, and the maximum temperature was 22.9 °C (73.2 °F) at Shiloh Road on 02 June (Fig. 3). The lowest San Joaquin River water temperature, 10.3 °C (50.5 °F) was at Gardner Cove on 13 January; the highest was 26.5 °C (79.7°F) at Laird Park on 19 May.

Dissolved oxygen concentration in the Tuolumne River ranged from 8.6 to 13.7 mg/L (ppm) and from 9.7 to 14.2 mg/L in the San Joaquin River (Fig. 3).

### 2 METHODS

### 2.1 STUDY TIMING

The 2009 seining study began on 13 January and ended on 02 June. Sampling was done at twoweek intervals, with a total of 11 sampling dates.

### 2.2 SAMPLING METHODS AND DATA RECORDING

Seining was done using a 4-ft high, 1/8-inch mesh nylon seine net 20 feet in length. The same general areas were sampled each time, to permit comparisons through the sampling period, but sample areas varied somewhat as a result of changes in flow. Seine hauls were made with the current and parallel to shore. The salmon caught were anesthetized with MS-222, measured (FL in mm) and then revived before being released. Other measurements taken were area sampled, (determined from estimating average length and width of a seine haul) water temperature, visibility, conductivity, turbidity, dissolved oxygen, and maximum depth of the area sampled. Other observations include time of day, weather conditions, habitat type, and substrate type. Other fish species were recorded separately. Any salmon undergoing outward signs of smoltification, such as losing scales during handling, were also noted.

### 2.3 DATA ANALYSIS

Seining catch data was examined by location, river section, and river. Catch densities of salmon were divided into two size groups for analysis. The density index for "fry" (fish  $\leq$ 50 mm FL) and for "juveniles" (>50 mm), by site and by section, were computed by multiplying the number of salmon caught by 1,000 and dividing it by the area sampled. These indices of population density (relative abundance), were used for comparisons. Densities and sizes of salmon fry and juveniles by upper, middle, and lower river sections were examined.

### **3 RESULTS AND DISCUSSION**

### 3.1 SEINE CATCH

A total of 779 salmon were caught in the Tuolumne River and 0 in the San Joaquin (Table 1). 528 salmon were measured and riverwide peak density for the Tuolumne was 19.2 salmon per 1,000 ft<sup>2</sup> on 02 June. Peak density is normally observed in February and the late peak in 2009 was an anomaly driven by a high catch at Riffle 5 (RM 48.0).

3.1.1 Density of Fry and Juvenile Salmon

Salmon up to 41 mm fork length (FL) were caught in the Tuolumne River on 27 January. The highest density of salmon fry in the Tuolumne was 9.7 fry/1,000 ft<sup>2</sup> found on 09 February (Table 2). The highest density of juvenile salmon in the Tuolumne was 15.5 juveniles/1,000 ft<sup>2</sup> found on 02 June.

The density of salmon fry exhibited a peak for most sites from 09 February to 10 March. The density of juveniles generally peaked from 10 March to 02 June for most locations (Fig. 4).

The density of salmon fry in the Tuolumne River peaked in the upper section on 09 February, in the middle section on 10 March and none were caught in the lower section (Fig. 5).

The density of juveniles peaked in the upper section on 02 June, the middle section on 24 March and again, none were caught in the lower section. No salmon were caught in the San Joaquin River.

### 3.1.2 Size, Growth, and Smoltification

The fork length of salmon caught ranged from 33 mm to 97 mm. The average fork length (FL) of salmon generally increased from 27 January to 24 March (Fig. 6). An indirect method to estimate growth rate was made by dividing the increase in maximum FL, over a period of time. Maximum FL in the Tuolumne River increased from 41 to 77 mm during the 27 January to 24 March period (Fig. 6), indicating a potential FL increase of approximately .64 mm per day (36 mm / 56 days).

Length frequency distributions by survey period are in Figs. 7 & 8. The change in FL by location generally shows an increase from late January to late April at most of the Tuolumne River sampling locations followed by another increase in late May/early June (Fig. 9). The first

salmon exhibiting smolting characteristics were caught on 24 March. For the year, smolting salmon ranged from 65-97 mm FL. Fry were present through 02 June during the 2009 seine survey period.

### 3.1.3 Conductivity and Turbidity

Conductivity in the Tuolumne River generally increased with increasing distance below La Grange Dam, from a low of 35  $\mu$ S at OLGB to a high of 225  $\mu$ S at Shiloh Road (Table 3). Conductivity also decreased as flows increased during the spring pulse flows (Fig. 10).

Conductivity in the San Joaquin River was much higher than in the Tuolumne and ranged from a low of 397  $\mu$ S at Gardner Cove to a high of 1656  $\mu$ S at Laird Park.

Turbidity in the Tuolumne River was less than 19.0 Nephelometric Turbidity Units (NTU) except for 3 readings at Legion Park (51.1 NTU), Service Rd.(102 NTU) and Shiloh Rd.(158 NTU) on 05 May that were the result of storm runoff from Lake Rd. (via Peaslee Cr.) and Dry Creek (near Modesto). Turbidity also generally increased with increasing distance below La Grange Dam and generally decreased with higher flows.

Turbidity in the San Joaquin River ranged from 9.7 to 117 NTU, both readings taken at Gardner Cove.

### 3.1.4 Other Fish Species Caught

The numbers of other fish species caught during the seining study by species, location, and date are in Table 4. Fourteen species other than Chinook salmon were caught in the Tuolumne River and 9 other species in the San Joaquin River. Eight of these species were common to both rivers and 15 species were caught overall. Seven rainbow trout fry (26-70 mm FL) were caught in the Tuolumne River between 10 March to 05 May at OLGB and R5.

2009 Rainbow Trout catch

			Fork
		River	Length
Date	Location	Mile	(mm)
10MAR	OLGB	50.5	26
10MAR	RIFFLE 5	48.0	36
24MAR	RIFFLE 5	48.0	44
07APR	OLGB	50.5	26
21APR	RIFFLE 5	48.0	70
05MAY	OLGB	50.5	34
05MAY	RIFFLE 5	48.0	33
	10MAR 10MAR 24MAR 07APR 21APR 05MAY	10MAROLGB10MARRIFFLE 524MARRIFFLE 507APROLGB21APRRIFFLE 505MAYOLGB	DateLocationMile10MAROLGB50.510MARRIFFLE 548.024MARRIFFLE 548.007APROLGB50.521APRRIFFLE 548.005MAYOLGB50.5

The number of fish species caught in the San Joaquin River was again low in comparison to most other years, similar to 2007 and 2008.

### 4 COMPARATIVE REVIEW

### 4.1 SEINE: 1986-2009

Annual TID/MID Tuolumne River seining surveys began in 1986, with the number, location, and sampling frequency of sites having varied over time (Tables 5 & 6). The number of salmon captured in the Tuolumne has ranged from 120 (1991) to 14,825 (1987) - the total number of salmon captured in 2009 (779) is the eighth lowest for all years. In 2009, the average density of salmon in the river was 4.7 salmon per 1,000 ft<sup>2</sup> and was most similar to densities found in 1990 and 1995.

The San Joaquin River has been sampled upstream and downstream of the Tuolumne River confluence in each of the study years. The total number of salmon caught has ranged from 0 to 854 with average density much lower than the Tuolumne (Table 5). No salmon were captured in the San Joaquin River this year and in seven other years.

### 4.1.1 Size and Growth

The comparative review of fork length and density is primarily for the 2004-2009 period in this report. Minimum FL found in 2009 remained low, less than 40 mm FL, through the entire study period (Fig. 11). In 2009, the increase in average FL during the January to March period was similar in timing and magnitude to the pattern observed in the 2004-2009 period (Fig. 12). Beginning in April the average FL declined due to low numbers of salmon caught and the outmigration of smolts. Maximum FL in 2009 was about average from January to early June (Fig. 13). The estimated 2009 growth rate of .64 mm per day was slightly above average for 1986-2009 (Table 5).

4.1.2 Fry and Juvenile Salmon Density

In 2009, the density of salmon fry ( $\leq$  50 mm) in the Tuolumne River peaked on 09 February at a higher level than 2007 and 2008 (Fig. 14).

The density of salmon juveniles (>50 mm) in 2009 peaked on 02 June at the second highest level for the same period of years (Fig. 15).

Combined fry and juvenile densities for the Tuolumne River are shown for the years 2004-2009 (Fig. 16). The 2009 densities peaked on 02 June, again, driven by the high catch at Riffle 5.

### 4.1.2.1 Tuolumne River Section Density

Upper section density of fry generally peaks from early February to early March and steadily declines through March (Fig. 17). For 2009, the density of fry peaked on 09 February and gradually declined to low levels in late March. Upper section density of juveniles typically increases beginning in late February and peaks in early April to late May. In 2009, juvenile salmon density was low until late May.

Middle section density of fry generally peaks from early February to mid-March similar timing to the upper section. In 2009, the density of fry peaked on 10 March. Middle section density of

juveniles often peak from late February to late March. In 2009 juvenile density peaked on 24 March.

Lower section density of fry and juvenile salmon has been relatively low in most years. This section was often sampled only at the Shiloh Road location in prior years. Since 1999, two sites have been sampled. Peak density of fry ranged from early March (2005) to mid-March (2006) during the 2004-2009 period. In 2009, no salmon fry were caught in the lower section. Peak density of juveniles ranged from late March (2006) to late April (2005) with no juvenile captured in 2009.

Section abundance indices of fry and juvenile salmon combined were standardized as a percent of the annual riverwide average abundance index and plotted at section midpoints for recent years (Fig. 18). In 2009 the standardized section abundance indices was highest in the upper section similar to 2004 and 2005.

### 4.1.2.2 San Joaquin River Density

Densities of salmon caught in the San Joaquin River at Laird Park and Gardner Cove or nearby sites were reviewed to compare relative abundance of salmon upstream and downstream of the Tuolumne River confluence. The abundance indices were calculated for fry and juvenile salmon combined due to low numbers caught. The average salmon abundance at Laird Park, downstream of the Merced confluence, was extremely low for all years during the 1986-2009 period (Fig. 19). The total number of wild salmon caught at Laird Park during this period was 148. No salmon were caught at Laird Park in 2009. The average abundance at Gardner Cove, downstream of the Tuolumne River confluence, was much higher in 1986 and 1999 and moderately higher in 1995, 1998, 2001 and 2006. A total of 1082 salmon were caught at this location during the 1986-2009 period, 509 of which were caught in 1999. No salmon were caught at Gardner Cove in 2009.

### 4.1.3 Tuolumne River Fry Density Versus Number of Female Spawners

A polynomial equation analysis of peak fry density in the Tuolumne River and the estimated total number of female spawners (TID/MID data), from the preceding fall-run, resulted in an R-squared of .72 for the 1986-2009 period (Fig. 20, Table 7). A similar result with R-squared of .77 was found using average fry density from 15 January -15 March (Figure 21).

### 4.1.4 Other Fish Species

The number of fish species, other than Chinook salmon, caught during 1986-2009 has ranged from 10 to 16 on the Tuolumne River. Table 4 has the counts from each site and date for fish species caught in 2009. Fourteen other species were caught, including 5 native species, in the Tuolumne; 9 fish species, including 2 native, were caught in the San Joaquin River in 2009. The number of species caught in the San Joaquin River was low, similar to the two previous years.

Of native species, rainbow trout, hardhead, and riffle sculpin were caught only in the Tuolumne River and Sacramento pikeminnow and Sacramento sucker were caught in both rivers. Native species recorded in prior years, but not caught in either river in 2009, were Pacific lamprey, Sacramento blackfish, hitch, Sacramento splittail, tule perch, and prickly sculpin.



### 2009 Tuolumne and San Joaquin River daily mean flow Provisional USGS data



2009 San Joaquin River daily mean flow Provisional CDEC data



Figure 2. Tuolumne and San Joaquin River daily average flow.



### 2009 TUOLUMNE AND SAN JOAQUIN RIVER WATER TEMPERATURE





Figure 3. 2009 Tuolumne and San Joaquin River water temperature and dissolved oxygen.

# TUOLUMNE RIVER JUVENILE SALMON STUDY 2009 SEINING - DENSITY OF FRY BY LOCATION



Figure 4. Tuolumne River density of fry and juvenile salmon by location.









unf-42 un[-/1 unf-01 275 un<sub>ſ</sub>-ɛ х ٠ 4 27-May 20-Мау \$4 Х 13-May VeM-9 16 X rqA-92 22-Apr 14 х -15-Apr s-Apr 14 X < 1-Apr 25-Mar 16 × ٠ -18-Mar 103 11-Mar (Number of salmon caught is indicated above the fork length range) ٠ X 4-Mar 26-Feb 86 × ۲ 19-Feb 12-Feb 162 5-Feb usl-92 ► X ♦ 33 22-Jan nsl-21 ወ nsl-8 1-Jan 120 110 100 90 80 70 60 50 40 30 20 FORK LENGTH (mm)





JANUARY - JUNE

2009 TUOLUMNE RIVER JUVENILE SALMON SEINING STUDY



13JAN09 TUOLUMNE RIVER JUVENILE SALMON LENGTH FREQUENCY DISTRIBUTION

27JAN09 TUOLUMNE RIVER JUVENILE SALMON LENGTH FREQUENCY DISTRIBUTION

Figure 7. Length frequency distribution by date of salmon in the Tuolumne River, 2009.



Figure 8. Length frequency distribution by date of salmon in the Tuolumne River, 2009.

### TUOLUMNE RIVER JUVENILE SALMON STUDY 2009 SEINING - MINIMUM FORK LENGTH



TUOLUMNE RIVER JUVENILE SALMON STUDY 2009 SEINING - AVERAGE FORK LENGTH







Figure 9. Minimum, average, and maximum fork length by location and survey period, 2009.

### TUOLUMNE AND SAN JOAQUIN RIVERS 2009 CONDUCTIVITY



↔ OLGB –□– R5 –☆– TRR –×– HICK –—– CROAD –•– LEGION –+– SERVICE –米– SHILOH –≜– LAIRD –♦– GARD.

### TUOLUMNE AND SAN JOAQUIN RIVERS 2009 TURBIDITY



Figure 10. Conductivity and turbidity in the Tuolumne and San Joaquin Rivers, 2009



### 2004-2009 TUOLUMNE RIVER SEINING MINIMUM SALMON FORK LENGTH









### 2004-2009 TUOLUMNE RIVER SEINING MAXIMUM SALMON FORK LENGTH

Figures 13 & 14. Maximum fork length and Density index of salmon fry, 2004-2009.

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J.C.K

1-Apr

JANUARY-JUNE

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22-Mar

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20-Feb

10-Feb

### 2004-2009 TUOLUMNE RIVER SEINING DENSITY OF SALMON JUVENILES (> 50 mm)



2004-2009 TUOLUMNE RIVER SEINING COMBINED FRY AND JUVENILE SALMON DENSITY INDEX





2004-2009 TUOLUMNE RIVER SEINING UPPER SECTION SALMON FRY (< OR = 50MM)



Figure 17. Upper section density indices for salmon fry and juveniles, 2004-2009



2004-2009 TUOLUMNE RIVER SEINING MIDDLE SECTION SALMON FRY(< OR = 50MM)

Figure 17. Middle section density indices for salmon fry and juveniles, 2004-2009.

10 9 DENSITY (SALMON \* 1000 / AREA) 8 7 0 D 6 -<del>∞</del>-2004 5 -🕀 2005 4 <del>---</del> 2006 ---- 2007 3 -<del>×-</del> 2008 2 --- 2009 0 D 1 × ¢ 30-May 🔗 0 шинши COX. ULL CON **85**821 #**&**% 11111 21-Jan 10-May 1-Jan 11-Jan 31-Jan 10-Feb 20-Feb 29-Jun 1-Mar 21-Mar 31-Mar 10-Apr 20-Apr 30-Apr 20-May 9-Jun 19-Jun 11-Mar JANUARY-JUNE 2004-2009 TUOLUMNE RIVER SEINING LOWER SECTION SALMON JUVENILES (>50MM) 0 (23.1 -3/29/06) 10 0 DENSITY (SALMON \* 1000 / AREA) 8 6 C 4 O --- 2009 2 C 10-May 80 20-May 30-May 30-May 9-Jun 19-Jun 29-Jun 20-Jun 20-0 \_\_\_\_\_\_ 11-Mar 30-Apr 1-Jan 11-Jan 20-Feb 10-Apr 29-Jun 31-Mar 20-Apr 21-Mar JANUARY-JUNE

2004-2009 TUOLUMNE RIVER SEINING LOWER SECTION SALMON FRY(< OR = 50MM)

Figure 17. Lower section density indices for salmon fry and juveniles, 2004-2009.



Figure 18. Tuolumne River abundance indices standardized by section, 2004-2009.





Figure 19. San Joaquin River abundance indices by location, 1986-2009.

### PEAK FRY DENSITY VS FEMALE SPAWNER



Figure 20. Tuolumne River peak fry density vs female spawners.



AVERAGE FRY DENSITY VS FEMALE SPAWNERS (15JAN-15MAR PERIOD)

Figure 21. Tuolumne River average fry density vs female spawners.

### Table 1. Summary table of weekly seine catch for the Tuolumne and San Joaquin rivers

2009 JUVENILE SALMON SEINING STUDY (TID/MID)

### TUOLUMNE RIVER

	SALMON	AREA	DENSITY	MINIMUM	MAXIMUMA	VERAGE	NUMBER		NUMBER
DATE	CATCH	(SQ. FT.)	(/1000 ft^2)	FL	FL	FL	MEAS.	SACFRY	KILLED
13JAN	0	15,000	0.0						
27JAN	39	15,600	2.5	34	41	37.0	39	0	2
09FEB	162	16,600	9.8	35	60	39.7	123	0	8
24FEB	86	15,750	5.5	35	55	43.5	86	0	1
10MAR	103	15,900	6.5	34	56	41.1	103	0	0
24MAR	16	15,400	1.0	38	77	54.2	16	0	0
07APR	14	15,400	0.9	36	80	51.5	14	0	0
21APR	14	13,850	1.0	38	79	53.1	14	0	0
05MAY	16	13,400	1.2	35	90	51.2	16	0	0
19 <b>M</b> AY	54	14,850	3.6	35	93	51.9	54	0	0
02JUN	275	14,350	19.2	33	97	56.6	63	0	6
TOTAL:	779	166,100	4.7				528	0	17

### SAN JOAQUIN RIVER

	SALMON	AREA	DENSITY	MINIMUM	MAXIMUM AVEF	RAGE	NUMBER		NUMBER
DATE	CATCH	(SQ. FT.)	(/1000 ft^2)	FL	FL	FL	MEAS.	SACFRY	KILLED
13JAN	0	3,300	0.0						
27JAN	0	2,800	0.0						
09FEB	0	3,100	0.0						
24FEB	0	2,700	0.0						
10MAR	0	2100	0.0						
24MAR	0	2,700	0.0						
07APR	0	2,700	0.0						
21APR	0	2,700	0.0						
05MAY	0	2,650	0.0						
19MAY	0	3,600	0.0						
02JUN	0	3,600	0.0						
TOTAL:	0	31,950	0.0			*******			

### Table 2. Summary table of weekly seine catch by location for the Tuolumne and San Joaquin Rivers, 2009

amon Densi	Summary of TID ty is the Number	of Salmon				trapolated			E	EXTRAPOLATED UPPER SECTION	MIDDLE	LOWER	UPPER	MIDDLE	LOWER
Date 13JAN 13JAN 13JAN 13JAN 13JAN 13JAN 13JAN 13JAN	OLGB R5 TRR HICKMAN CHARLES LEGION	Total Catch 0 0 0 0 0 0 0 0 0 0 0	Area 1,800 1,950 1,800 1,800 2,250 1,800 1,800 1,800 1,800	Measured Fry	Measured Juvenile	Density Fry	Density Juvenile	Density Total 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.	Average FL	Density Fry 0.0	Density Fry 0.0	Density Fry 0.0	Density Juvenile 0.0	Density Juvenile 0.0	Density Juvenile 0.0
13JAN TUOL.TOT.	GARDNER	0	1,800	0	0			0.0							
SJR. TOT.		0	3300	0	0			0.0							
	Summary of TID ty is the Number								=	EXTRAPOLATED	MIDDLE	LOWER	LIDDED	MIDDLE	LOWER
annon Densn	ty is the Number		/ 1000 sq. 1			trapolated				UPPER SECTION	SECTION	LOWER SECTION	UPPER SECTION	MIDDLE SECTION	SECTION
Date	Location	Total Catch	Area	Measured Fry	Measured Juvenile	Density Fry	Density Juvenile	Density Total	Average FL	Density Fry	Density Fry	Density Fry	Density Juvenile	Density Juvenile	Density Juvenile
27JAN	OLGB	0	1800					0.0		7.0	0.0	0.0	0.0	0.0	0.0
27JAN 27JAN	R5 TRR	27 12	1800 1950	27 12	0	15.0 6.2	0.0 0.0	15.0 6.2	37.3 36.3						
27JAN	HICKMAN	0	1950	16	U	0.2	0.0	0.0	30.3						
27JAN	CHARLES	0	2100					0.0							
27JAN 27JAN	LEGION SERVICE	0	2100 1950					0.0 0.0							
27JAN	SHILOH	0	1950					0.0					<u></u>		
27JAN 27JAN	LAIRD GARDNER	0	600 2200					0.0 0.0							
TUOL.TOT.	GARUNER	39	15600	39	0	2.5	0.0	2.5	37.0						
SJR. TOT.		0	2800					0.0							
	Summary of TID/		÷ ,						E	EXTRAPOLATED	<u></u>				
Imon Densit	y is the Number	of Salmon	/ 1000 sq. f	ι.	Ev+	rapolated				UPPER SECTION	MIDDLE	LOWER SECTION	UPPER SECTION	MIDDLE	LOWER SECTION
		Total		Measured	Measured	Density	Density	Density	Average	Density	Density	Density	Density	Density	Density
Date	Location	Catch	Area	Fry	Juvenile	Fry	Juvenile	Total	FL	Fry	Fry	Fry	Juvenile	Juvenile	Juvenile
09FEB 09FEB	OLGB R5	7 59	2200 2200	7 59	0 0	3.2 26.8	0,0 0.0	3.2 26.8	37.3 39.5	24.5	0.7	0.0	0.2	0.0	0.0
09FEB	TRR	92	2000	52	1	45.1	0.9	46.0	40.1						
09FEB	HICKMAN	4	1800	4	0	2.2	0.0	2.2	42.5						
09FEB 09FEB	CHARLES LEGION	0	1800 2400					0.0 0.0							
09FEB	SERVICE	0	2200					0.0							
09FEB 09FEB	LAIRD	0	2000 900					0.0							
09FEB	GARDNER		2200					0.0 0.0							
TUOL.TOT.		0													
	GARDINER	162	16600	122	1	9.7	0.1	9.8	39.7						
SJR, TOT.		162 0	16600 3100	122 0	1 0	9.7	0.1	9.8 0.0							
SJR. TOT. 09 Weekly S	summary of TiD/	162 0 MID Seinin	16600 3100 g Study	0		9.7	0.1			XTRAPOLATED	MIDDLE	LOWER	UPPER	MIDDLE	LOWER
SJR. TOT. 09 Weekly S	ummary of TID/	162 0 MID Seinin of Salmon	16600 3100 g Study		0 E <u>xt</u>	rapolated		0.0	E	UPPER SECTION	SECTION	SECTION	SECTION	SECTION	SECTION
SJR. TOT. 09 Weekly S Imon Density	ummary of TID/ y is the Number	162 0 MID Seining of Salmon Total	16600 3100 g Study (1000 sq. ft	0  Measured	0 E <u>xti</u> Measured	rapolated Density	Density	0.0 Density	Average	UPPER SECTION Density	SECTION Density	SECTION Density	SECTION Density	SECTION Density	SECTION Density
SJR. TOT. 09 Weekly S Imon Density Date 24FE8	Summary of TiD/ y is the Number Location OLGB	162 0 MID Seinin of Salmon	16600 3100 g Study	0  Measured Fry 8	0 E <u>xt</u> Measured Juvenile 0	rapolated		0.0	E	UPPER SECTION	SECTION	SECTION	SECTION	SECTION	SECTION
SJR. TOT. 09 Weekly S Imon Density Date 24FE8 24FE8 24FEB	Summary of TID/ y is the Number Location OLGB R5	162 0 MID Seining of Salmon Total Catch 8 30	16600 3100 g Study 7 1000 sq. ft Area 1800 1800	0 Measured Fry 8 30	0 E <u>xtr</u> Measured Juvenile 0 0	rapolated Density Fry 4.4 16.7	Density Juvenile 0.0 0.0	0.0 Density Total 4.4 16.7	Average FL 40.1 42.3	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. 09 Weekly S Imon Density Date 24FE8	summary of TiD/ y is the Number Location OLGB R5 TRR	162 0 MID Seinin of Salmon Total Catch 8	16600 3100 g Study 71000 sq. ft Area 1800 1800 2150	0  Measured Fry 8	0 E <u>xt</u> Measured Juvenile 0	Density Fry 4.4 16.7 19.5	Density Juvenile 0.0 0.0 2.3	0.0 Density Total 4.4 16.7 21.9	Average FL 40.1 42.3 44.7	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. 9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	iummary of TiD/ y is the Number Uccation OLGB R5 TRR HICKMAN CHARLES	162 0 MID Seining of Salmon Total Catch 8 30 47 1 0	16600 3100 g Study f 1000 sq. ft Area 1800 1800 2150 1650 1950	0 Measured Fry 8 30 42	0 Extr Measured Juvenile 0 0 5	rapolated Density Fry 4.4 16.7	Density Juvenile 0.0 0.0	0.0 Density Total 4.4 16.7 21.9 0.6 0.0	Average FL 40.1 42.3	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. D9 Weekly S mon Density 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	ummary of TiD/ y is the Number OLGB R5 TRR HICKMAN CHARLES LEGION	162 0 MID Seining of Salmon Total Catch 8 30 47 1 0 0	16600 3100 g Stud: f 1000 sq. ft Area 1800 1800 2150 1650 1950 2400	0 Measured Fry 8 30 42	0 Extr Measured Juvenile 0 0 5	Density Fry 4.4 16.7 19.5	Density Juvenile 0.0 0.0 2.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0	Average FL 40.1 42.3 44.7	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. D9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	iummary of TiD/ y is the Number Uccation OLGB R5 TRR HICKMAN CHARLES	162 0 MID Seining of Salmon Total Catch 8 30 47 1 0	16600 3100 g Study f 1000 sq. ft Area 1800 1800 2150 1650 1950	0 Measured Fry 8 30 42	0 Extr Measured Juvenile 0 0 5	Density Fry 4.4 16.7 19.5	Density Juvenile 0.0 0.0 2.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0	Average FL 40.1 42.3 44.7	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. 09 Weekly S Imon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	ummary of TiD/ Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD	162 0 MID Seinin, of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0	16600 3100 g Study 1000 sq. ft 1800 1800 2150 1650 1950 2400 2200 1800 900	0 Measured Fry 8 30 42	0 Extr Measured Juvenile 0 0 5	Density Fry 4.4 16.7 19.5	Density Juvenile 0.0 0.0 2.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0	Average FL 40.1 42.3 44.7	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. 09 Weekly S Imon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	iummary of TiD/ y is the Number OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH	162 0 MID Seinin of Salmon Total Catch 8 300 47 1 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Stud: 1000 sq, ft 1800 1800 2150 1650 1950 2400 2200 1800 900 900	0 Measured Fry 8 30 42 1	O E <u>xt</u> Measured Juvenile 0 5 0	rapolated Density Fry 4.4 16.7 19.5 0.6	Density Juvenile 0.0 2.3 0.0	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Average FL 40.1 42.3 44.7 46.0	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. 9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24	ummary of TiD/ Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD	162 0 MID Seinin, of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0	16600 3100 g Study 1000 sq. ft 1800 1800 2150 1650 1950 2400 2200 1800 900	0 Measured Fry 8 30 42	0 Extr Measured Juvenile 0 0 5	Density Fry 4.4 16.7 19.5	Density Juvenile 0.0 0.0 2.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0	Average FL 40.1 42.3 44.7	UPPER SECTION Density Fry	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECTION Density Juvenile
SJR. TOT. 09 Weekly S Imon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	Location Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	162 0 MID Seining of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Stud; '1000 sq. ft 1800 1800 2150 1650 2400 2200 1800 900 1800 15750 2700 1 Stud;	0 Measured Fry 8 30 42 1 1 81 0	0 Extu Measured Juvenite 0 0 5 0	rapolated Density Fry 4.4 16.7 19.5 0.6	Density Juvenile 0.0 2.3 0.0	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0	UPPER SECTION Density Fry 13.9	SECTION Density Fry 0.2	SECTION Density Fry 0.0	SECTION Density Juvenile 0.9	SECTION Density Juvenile 0.0	SECTION Density Juvenile 0.0
SJR. TOT. 29 Weekly S 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	Location OLGB R5 TRR HICKMAN CHARLES CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	162 0 MID Seinin, of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Stud; '1000 sq. ft 1800 1800 2150 1650 2400 2200 1800 900 1800 15750 2700 1 Stud;	0 Measured Fry 8 30 42 1 1 81 0	0 Measured Juvenile 0 5 0	rapolated Density Fry 4.4 16.7 19.5 0.6	Density Juvenile 0.0 2.3 0.0	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Average FL 40.1 42.3 44.7 46.0 43.5	UPPER SECTION Density Fry 13.9	SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile 0.0 0.0	SECTION Density Juvenile
SJR. TOT. Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	Location OLGB R5 R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	162 0 MID Seinin, of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Study f 1000 sq. ft Area 1800 2150 1650 1950 2400 2200 1800 1800 1800 1800 18750 2700 g Study 1000 sq. ft	0 Measured Fry 8 30 42 1 1 81 0	0 Extit Measured Juvenile 0 5 0 5 0 5 0 0 5 0	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 apolated Density	Density Juvenile 0.0 2.3 0.0 0.3 0.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density	SECTION Density Fry 0.2 MIDDLE SECTION Density	SECTION Density Fry 0.0	SECTION Density Juvenile 0.9 UPPER SECTION Density Density	SECTION Density Juvenite 0.0 MIDDLE SECTION Density	SECTION Density Juvenile 0.0 LOWER SECTION Density
SJR. TOT. 39 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 2	Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER ummary of TID// is the Number	162 0 MID Selnin; of Salmon Catch 8 300 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 3 Stud; 1000 sq. ft 1000 sq. ft 1800 2150 1850 2400 2200 1800 900 1800 15750 2700 0 Stud; 1000 sq. ft Area	0 Measured Fry 8 30 42 1 1 81 0	0 Measured Juvenile 0 5 0 5 0 5	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1	Density Juvenile 0.0 2.3 0.0 0.0	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	Average FL 40.1 42.3 44.7 46.0 43.5	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density Fry	SECTION Density Fry 0.2 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	UPPER SECTION UPPER SECTION Density Juvenile	SECTION Density Juvenite 0.0 MIDDLE SECTION Density Juvenite	SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile
SJR. TOT. Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB	Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER ummary of TID// is the Number Location OLGB R5	162 0 MID Seinin, of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Study f 1000 sq. ft Area 1800 2150 1650 1950 2400 2200 1800 1800 1800 1800 18750 15750 2700 g Study 1000 sq. ft	0 Measured Fry 8 30 42 1 1 81 0	0 Extit Measured Juvenile 0 5 0 5 0 5 0 0 5 0	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 apolated Density	Density Juvenile 0.0 2.3 0.0 0.3 0.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density	SECTION Density Fry 0.2 MIDDLE SECTION Density	SECTION Density Fry 0.0	SECTION Density Juvenile 0.9 UPPER SECTION Density Density	SECTION Density Juvenite 0.0 MIDDLE SECTION Density	SECTION Density Juvenile 0.0 LOWER SECTION Density
SJR. TOT. 9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24	Location Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER UMMARY of TID// is the Number Location OLGB R5 TRR	162 0 MID Selmin, of Salmon Total Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600     3100       g Stud;     (1000 sq. ft       1800     2150       1650     1650       2400     2200       1800     2200       1800     2200       1800     2200       1800     2200       1800     2200       1800     15750       1000 sq. ft     1000 sq. ft       1000 sq. ft     2700       1 Study     1000 sq. ft       Area     2100       2100     2200	0 Measured Fry 8 30 42 1 1 8 1 0	0 Measured Juvenile 0 5 0 0 5 0 5 0 5 0 5 0 8 <u>5</u> 0 8 <u>5</u> 0 8 <u>5</u> 0 8 <u>5</u> 0 8 <u>5</u> 0 8 <u>5</u> 0 8 2 5 0 2 5 0 2 5 0 2 5 0 2 5 2 5 0 8 1 8 1 8 1 8 1 8 1 8 1 8 1 9 1 9 1 9 1	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 apolated Density Fry 17.1 19.1	Density Juvenile 0.0 0.3 0.0 0.3 0.3 0.3 Density Juvenile 1.2 2.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5 43.5 £ Average FL 40.7 41.0	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density Fry	SECTION Density Fry 0.2 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	UPPER SECTION UPPER SECTION Density Juvenile	SECTION Density Juvenite 0.0 MIDDLE SECTION Density Juvenite	SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile
SJR. TOT. 9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24	Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER UMMARY of TID// v is the Number Location OLGB R5 TRR HICKMAN	162 0 MID Selnin: of Salmon Catch Salmon 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Stud; 1000 sq. ft Area 1800 2150 1650 2400 2200 1800 1800 1800 1800 1800 1800 18	0 Measured Fry 8 30 42 1 1 8 1 0	0 Measured Juvenile 0 0 5 0 5 0 5 0 0 5 0 0 5 0 0 5 0 0 2 5 1	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 Density Fry 17.1 19.1 3	Density Juvenile 0.0 0.3 0.0 0.3 0.3 0.3 Density Juvenile 1.2 2.3 0.7	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5 43.5 E FL 40.7 41.0 42.2	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density Fry	SECTION Density Fry 0.2 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	UPPER SECTION UPPER SECTION Density Juvenile	SECTION Density Juvenite 0.0 MIDDLE SECTION Density Juvenite	SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile
SJR. TOT. 99 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 2	Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION LOCATION LOCATION LOCATION LOCATION CHARLES LEGION	162 0 MID Selnin: of Salmon Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600     3100       g Stud;     (1000 sq. ft       1800     1800       1800     1800       2150     1650       1650     2400       1800     1800       2200     1800       1800     2700       1500     2700       1500     2700       1500     2100       1500     1500       1500     1500       1500     1500       1800     2200	0 Measured Fry 8 30 42 1 1 81 0	0 Measured Juvenile 0 5 0 0 5 0 5 0 5 0 5 0 8 5 0 8 5 0 8 5 0 8 5 0 8 2 5 0 8 2 5 0 8 2 5 0 8 2 5 0 8 2 5 0 8 2 5 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1 8 1	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 apolated Density Fry 17.1 19.1	Density Juvenile 0.0 0.3 0.0 0.3 0.3 0.3 Density Juvenile 1.2 2.3	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5 43.5 £ Average FL 40.7 41.0	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density Fry	SECTION Density Fry 0.2 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	UPPER SECTION UPPER SECTION Density Juvenile	SECTION Density Juvenite 0.0 MIDDLE SECTION Density Juvenite	SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile
SJR. TOT. 9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24	Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD LAIRD GARDNER Ummary of TID// is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE	162 0 MID Seinin; of Salmon , Total Catch 8 30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600     3100       3500     3100       9 Stud;     1000 sq. ft       1800     1800       1800     1800       1950     2400       2200     1800       1800     1800       1800     1800       1800     1800       1800     1800       1800     2100       1800     2700       1800     2700       1000 sq. ft     1700       1700     1700       1800     1800       2400     2400	0 Measured Fry 8 30 42 1 1 81 0	0 Measured Juvenile 0 0 5 0 5 0 5 0 0 5 0 0 5 0 0 5 0 0 2 5 1	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 Density Fry 17.1 19.1 3	Density Juvenile 0.0 0.3 0.0 0.3 0.3 0.3 Density Juvenile 1.2 2.3 0.7	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5 43.5 E FL 40.7 41.0 42.2	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density Fry	SECTION Density Fry 0.2 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	UPPER SECTION UPPER SECTION Density Juvenile	SECTION Density Juvenite 0.0 MIDDLE SECTION Density Juvenite	SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile
SJR. TOT. 9 Weekly S mon Density Date 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 24FEB 10MAR 10MAR 10MAR 10MAR 10MAR 10MAR 10MAR	Summary of TiD/ y is the Number CLocation OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH	162 0 MID Selnin: of Salmon Catch 8 30 47 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	16600 3100 g Stud; (1000 sq. ft Area 1800 2150 1650 2400 2200 1800 15750 2700 15750 2700 15750 2700 15750 15750 15750 15750 1500 1500 1800 2400 2400 2400 2400	0 Measured Fry 8 30 42 1 1 81 0	0 Measured Juvenile 0 0 5 0 5 0 5 0 0 5 0 0 5 0 0 5 0 0 2 5 1	rapolated Density Fry 4.4 16.7 19.5 0.6 5.1 5.1 Density Fry 17.1 19.1 3	Density Juvenile 0.0 0.3 0.0 0.3 0.3 0.3 Density Juvenile 1.2 2.3 0.7	0.0 Density Total 4.4 16.7 21.9 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	E Average FL 40.1 42.3 44.7 46.0 43.5 43.5 E FL 40.7 41.0 42.2	UPPER SECTION Density Fry 13.9 XTRAPOLATED UPPER SECTION Density Fry	SECTION Density Fry 0.2 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	UPPER SECTION UPPER SECTION Density Juvenile	SECTION Density Juvenite 0.0 MIDDLE SECTION Density Juvenite	SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile
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almon Densit	y is the Number	r of Salmon	/ 1000 sq. 1	ft.	-	trapolated			-	UPPER SECTION	MIDDLE	LOWER SECTION	UPPER	MIDDLE	LOW
		Total		Measured	Measured	Density	Density	Density	Average	Density	SECTION Density	Density	SECTION Density	SECTION Density	Den
Date	Location	Catch	Area	Fry	Juvenile	Fry	Juvenile	Total	FL	Fry	Fry	Fry	Juvenile	Juvenile	Juve
24MAR	OLGB	0	1800	c	•	2.0	0.0	0.0	42.4	0.9	0.0	0.0	0.0	2.0	
24MAR 24MAR	R5 TRR	5 0	1800 2100	5	0	2.8	0.0	2.8 0.0	43.4						
24MAR	HICKMAN	11	1500	0	11	0.0	7.3	7.3	59.1						
24MAR	CHARLES	0	1800					0.0							
24MAR	LEGION	0	2200					0.0							
24MAR 24MAR	SERVICE SHILOH	0	2400 1800					0.0 0.0							
24MAR	LAIRD	0	900					0.0							
24MAR	GARDNER	0	1800					0.0							
TUOL.TOT.		16	15400	5 0	11	0.3	0.7	1.0							
SJR. TOT.		0	2700	U	0			0.0							
	summary of TID y is the Number			t.	E.,				<u></u>	EXTRAPOLATED UPPER SECTION	MIDDLE	LOWER	UPPER	MIDDLE	LOW
Date	Location	Total Catch	Area	Measured Fry	Measured Juvenile	trapolated Density Fry	Density Juvenile	Density Total	Average FL	Density Fry	Density Fry	SECTION Density Fry	Density Juvenile	Density Juvenile	Der
07APR	OLGB	0	1800					0.0		1.4	0.0	0.0	0.0	1.0	
07APR	R5	1	1500	1	0	0.7	0.0	0.7	46.0						
07APR 07APR	TRR HICKMAN	7 4	2400 1900	7 0	0	2.9 0.0	0.0 2.1	2.9	37.6 70.8						
07APR	CHARLES	4	1800	0	4	0.0	1.1	2.1 1.1	64.5						
07APR	LEGION	ō	2400	•	-	010		0.0	••						
07APR	SERVICE	0	1800					0.0							
07APR	SHILOH	0	1800					0.0							
07APR 07APR	LAIRD GARDNER	0	900 1800					0.0 0.0							
TUOL.TOT.	UNCIN	14	15400	8	6	0.5	0.4	0.9	51.5						
SJR. TOT.	ummary of TID	0 MID Soinir	2700 a Studi					0.0	-	EXTRAPOLATED					
	y is the Number			t.	Ex	trapolated				UPPER SECTION	MIDDLE	LOWER	UPPER	MIDDLE	LOV
Dote	Location	Total	Aron	Measured	Measured Juvenile	Density	Density	Density	Average	Density	Density	Density	Density	Density	De
Date 21APR	Location OLGB	Catch 0	Area 1650	Fry	Juvenile	Fry	Juvenile	Total 0.0	FL	Fry 1.6	Fry 0.0	Fry 0.0	Juvenile 0.0	Juvenile 1.3	JUV
21APR	R5	8	1600	8	0	5.0	0.0	5.0	39.5	1.0	0.0	0.0	0.0	1.5	
21APR	TRR	Ó	1800					0.0							
21APR	HICKMAN	6	1200	0	6	0.0	5.0	5.0	71.3						
21APR	CHARLES	0	1200					0.0							
21APR 21APR	LEGION SERVICE	0	2400 2200					0.0 0.0							
	SHILOH	0	1800					0.0							
21APR															
21APR 21APR	LAIRD	0	900												
21APR 21APR		0	1800					0.0							
21APR 21APR TUOL.TOT.	LAIRD	0	1800 13850	8	6	0.6	0.4	0.0	53.1						
21APR 21APR TUOL.TOT. SJR. TOT.	LAIRD GARDNER	0	1800	8	6	0.6	0.4	0.0	53.1					<u> </u>	
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co	LAIRD GARDNER	0 14 0	1800 13850 2700	8	6	0.6	0.4	0.0		XTRAPOLATED					
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 109 Weekly Si	LAIRD GARDNER	0 14 0 MID Seinin	1800 13850 2700 g Study				0.4	0.0		XTRAPOLATED UPPER	MIDDLE	LOWER	UPPER	MIDDLE	LOV
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 109 Weekly Si	LAIRD GARDNER Ontinued) ummary of TID/	0 14 0 MID Seinin of Salmon	1800 13850 2700 g Study	l.	Ex	trapolated		0.0 1.0 0.0	E	UPPER SECTION	MIDDLE SECTION	SECTION	SECTION	SECTION	SECT
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 09 Weekly So olmon Density	LAIRD GARDNER Ontinued) ummary of TID/ y is the Number	0 14 0 MID Seinin of Salmon Total	1800 13850 2700 g Study / 1000 sq. ft	l. Measured	E <u>xi</u> Measured	trapolated Density	Density	0.0 1.0 0.0 Density	Average	UPPER SECTION Density	MIDDLE SECTION Density	SECTION Density	SECTION Density	SECTION Density	SECT De
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 09 Weekly Si almon Density Date 05MAY	LAIRD GARDNER Ontinued) ummary of TID/	0 14 0 MID Seinin of Salmon	1800 13850 2700 g Study	l.	Ex	trapolated Density Fry 1.7		0.0 1.0 0.0 Density Total 1.7	E	UPPER SECTION	MIDDLE	SECTION	SECTION	SECTION	SEC1 De
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Cot 09 Weekly Si almon Density Date 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ y is the Number Location OLGB R5	0 14 0 MID Seinin of Salmon Total Catch 3 1	1800 13850 2700 g Study / 1000 sq. ft Area 1800 1800	l. Measured Fry 3 1	E <u>x</u> Measured Juvenile 0 0	trapolated Density Fry 1.7 0.6	Density Juvenile 0.0 0.0	0.0 1.0 0.0 Density Total 1.7 0.6	Average FL 38.3 37.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC1 De
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 09 Weekly Si almon Density Date 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ / is the Number Location OLGB R5 TRR	0 14 0 MID Seinin of Salmon Total Catch 3 1 8	1800 13850 2700 g Study / 1000 sq. ff Area 1800 1800 2400	L Measured Fry 3 1 3	E <u>xi</u> Measured Juvenile 0 0 5	trapolated Density Fry 1.7 0.6 1.3	Density Juvenile 0.0 0.0 2.1	0.0 1.0 0.0 Density Total 1.7 0.6 3.3	Average FL 38.3 37.0 63.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC" De
21APR 21APR TUOL.TOT. SJR.TOT. able 2 (Co 09 Weekly Si Ilmon Density Date 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ y is the Number Location OLGB R5 TRR HICKMAN	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4	1800 13850 2700 g Study / 1000 sq. ft Area 1800 1800 2400 1300	l. Measured Fry 3 1	E <u>x</u> Measured Juvenile 0 0	trapolated Density Fry 1.7 0.6	Density Juvenile 0.0 0.0	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1	Average FL 38.3 37.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC1 De
21APR 21APR 1UOL.TOT. SJR. TOT. able 2 (Co 09 Weekly Si Ilmon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ y is the Number Location OLGB R5 TRR HICKMAN CHARLES	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0	1800 13850 2700 g Study / 1000 sq. ft Area 1800 1800 2400 1300 1200	L Measured Fry 3 1 3	E <u>xi</u> Measured Juvenile 0 0 5	trapolated Density Fry 1.7 0.6 1.3	Density Juvenile 0.0 0.0 2.1	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0	Average FL 38.3 37.0 63.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC1 De
21APR 21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 09 Weekly Si almon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0	1800 13850 2700 g Study / 1000 sq. ft Area 1800 1800 2400 1300 1200 1700	L Measured Fry 3 1 3	E <u>xi</u> Measured Juvenile 0 0 5	trapolated Density Fry 1.7 0.6 1.3	Density Juvenile 0.0 0.0 2.1	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0	Average FL 38.3 37.0 63.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SECT
21APR 21APR TUOL.TOT. SJR. TOT. able 2 (Co 09 Weekly Si ilmon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER ontinued) ummary of TID/ y is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0	1800 13850 2700 g Study / 1000 sq. fl 1800 2400 1300 1200 1700 1800	L Measured Fry 3 1 3	E <u>xi</u> Measured Juvenile 0 0 5	trapolated Density Fry 1.7 0.6 1.3	Density Juvenile 0.0 0.0 2.1	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0	Average FL 38.3 37.0 63.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC1 De
21APR 21APR 21APR UTOL.TOT. SJR. TOT. SJR. TOT. able 2 (Cc 09 Weekly St Imon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER ontinued) ummary of TID/ y is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fi 1800 2400 1300 1200 1200 1700 1800 1200 700	L Measured Fry 3 1 3	E <u>xi</u> Measured Juvenile 0 0 5	trapolated Density Fry 1.7 0.6 1.3	Density Juvenile 0.0 0.0 2.1	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0	Average FL 38.3 37.0 63.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC1 De
21APR 21APR TUOL.TOT. SJR.TOT. able 2 (Cc 90 Weekly SI 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fl Area 1800 1800 1300 1200 1700 1800 1400 7000 1950	Measured Fry 3 1 3 4	Ex Measured Juvenile 0 0 5 0	trapolated Density Fry 1.7 0.6 1.3 3.1	Density Juvenile 0.0 0.0 2.1 0.0	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 1.1 0.0 0.0 0.0 0.0 0.0 0.0	Average FL 38.3 37.0 63.0 40.8	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC" De
21APR 21APR 20LTOT. SJR. TOT. SJR. TOT. SJR. TOT. able 2 (Cc 95 Weekly Si Imon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER ontinued) ummary of TID/ y is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fi 1800 2400 1300 1200 1200 1700 1800 1200 700	L Measured Fry 3 1 3	E <u>xi</u> Measured Juvenile 0 0 5	trapolated Density Fry 1.7 0.6 1.3	Density Juvenile 0.0 0.0 2.1	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 1.2	Average FL 38.3 37.0 63.0	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC De
21APR 21APR TUOL.TOT. SJR.TOT. able 2 (Cc 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ y is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fl Area 1800 1800 2400 1300 1200 1200 1700 1200 1700 1200 1700 1200 2450 2650 2650 2 5042	Measured Fry 3 1 3 4	Ex Measured Juvenile 0 0 5 0	trapolated Density Fry 1.7 0.6 1.3 3.1	Density Juvenile 0.0 0.0 2.1 0.0	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 1.1 0.0 0.0 0.0 0.0 0.0 0.0	Average FL 38.3 37.0 63.0 40.8	UPPER SECTION Density Fry	MIDDLE SECTION Density Fry 1.0	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC1 De
21APR 21APR TUOL.TOT. SJR.TOT. able 2 (Cc 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fl Area 1800 1800 2400 1300 1200 1200 1700 1200 1700 1200 1700 1200 2450 2650 2650 2 5042	Measured Fry 3 1 3 4	E <u>x</u> Measured Juvenile 0 5 0	trapolated Density Fry 1.7 0.6 1.3 3.1	Density Juvenile 0.0 0.0 2.1 0.0	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 1.2	Average FL 38.3 37.0 63.0 40.8	UPPER SECTION Density Fry 1.2	MIDDLE SECTION Density Fry 1.0	SECTION Density Fry	SECTION Density Juvenile	SECTION Density Juvenile	SEC De Jui
21APR 21APR 21APR SJR. TOT. 39 Weekly Si mon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 16 0 MID Seinin of Salmon Total	1800 13850 2700 g Study / 1000 sq, ft Area 1800 2400 1200 1200 1200 1200 1200 12400 1200 12	Measured Fry 3 1 3 4 11 Measured	E <u>x</u> Measured Juvenile 0 5 0 5 5 5	trapolated Density Fry 1.7 0.6 1.3 3.1 0.8 0.8 trapolated Density	Density Juvenile 0.0 2.1 0.0 0.4	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	E Average FL 88.3 37.0 63.0 40.8 51.2 51.2 E Average	UPPER SECTION Density Fry 1.2 XTRAPOLATED UPPER SECTION Density	MIDDLE SECTION Fry 1.0 MIDDLE SECTION Density	SECTION Density Fry 0.0	SECTION Density Juvenite 0.8 UPPER SECTION Density	SECTION Density Juvenile 0.0 MIDDLE SECTION Density	SEC De Jun LON SEC De
21APR 21APR TUOL.TOT. SJR.TOT. Able 2 (CC 09 Weekly SI Imon Density 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MA	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	0 14 0 MID Seinin of Salmon Total Catch 0 0 0 0 0 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fl Area 1800 1800 1800 1300 1300 1300 1300 1300	Messured Fry 3 1 3 4 1 1 1 1 1 1 1	Ex Measured Juvenile 0 5 0 5 5	trapolated Density Fry 1.7 0.6 1.3 3.1 0.8 0.8 trapolated Density Fry	Density Juvenile 0.0 0.0 2.1 0.0 0.4	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Average FL 38.3 37.0 63.0 40.8 51.2 51.2 E Average FL	XTRAPOLATED UPPER SECTION 1.2 XTRAPOLATED UPPER SECTION Density Fry	MIDDLE SECTION Fry 1.0 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	SECTION Density Juvenile 0.8 UPPER SECTION Density Juvenile	SECTION Density Juvenie 0.0 MIDDLE SECTION Density Juvenie	SEC De Juv
21APR 21APR 21APR WOL.TOT. SJR.TOT. able 2 (CC) 99 Weekly Si 95 MAY 05 MAY 00 MAY 00 MAY 00 M	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER Ummary of TID/ is the Number Location OLGB	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0	1800 13850 2700 g Stud; / 1000 sq. fi Area 1800 2400 1300 1200 1200 1200 1200 1200 1200 1300 2650 g Stud; / 1000 sq. fi Area 2650 g Stud;	Measured Fry 3 1 3 4 11 11 Measured Fry 12	Ex Measured Juvenile 0 0 5 0 5 5 Keasured Juvenile 13	trapolated Density 1.7 0.6 1.3 3.1 0.8 trapolated Density Fry 6.0	Density Juvenile 0.0 2.1 0.0 0.4 Density Juvenile 6.5	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Average FL 38.3 37.0 63.0 40.8 51.2 51.2 E Average FL 49.4	UPPER SECTION Density Fry 1.2 XTRAPOLATED UPPER SECTION Density	MIDDLE SECTION Fry 1.0 MIDDLE SECTION Density	SECTION Density Fry 0.0	SECTION Density Juvenite 0.8 UPPER SECTION Density	SECTION Density Juvenile 0.0 MIDDLE SECTION Density	SEC De Juv
21APR 21APR 21APR FUOL.TOT. SJR.TOT. able 2 ( CC 09 Weekly Si Imon Density Date 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MA 05MA 05MA 05MA 05MA 05MA 05MA 05MA	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB R5 HICKMAN EGION SERVICE SHILOH LAIRD GARDNER ummary of TID/ is the Number Location OLGB R5	0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0	1800 13850 2700 g Study / 1000 sq. fl Area 1800 1800 1300 1200 1300 1200 1300 2400 1300 1200 13400 2650 g Study / 1000 sq. fl Area 2000 2400	Messured Fry 3 4 4 11 11 11 Measured Fry 12 13	E <u>x</u> Measured Juvenile 0 5 0 5 5 5 5 5 4 4 8 8 8 4 8 8 13 15	trapolated Density 1.7 0.6 1.3 3.1 0.8 trapolated Density Fry 6.0 5.4	Density Juvenile 0.0 2.1 0.0 0.4 0.4 Density Juvenile 6.5 6.3	0.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 1.2 0.0 1.2 0.0 1.2 0.0 1.2 1.7 0.6 1.2 1.7 0.0 1.2 1.2 1.2 1.2 1.2 1.2 1.2 1.2	Average FL 38.3 37.0 63.0 40.8 51.2 51.2 E Average FL 49.4 52.6	XTRAPOLATED UPPER SECTION 1.2 XTRAPOLATED UPPER SECTION Density Fry	MIDDLE SECTION Fry 1.0 MIDDLE SECTION Density Fry	SECTION Density Fry 0.0 LOWER SECTION Density Fry	SECTION Density Juvenile 0.8 UPPER SECTION Density Juvenile	SECTION Density Juvenie 0.0 MIDDLE SECTION Density Juvenie	SEC De Juv
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21APR 21APR 21APR VUOL.TOT. SJR.TOT. 3DP 2002 2002 2002 2002 2002 2002 2002 20	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB R5 HICKMAN CHARLES LEGION SERVICE SHILOH LOCATION GARDNER LOCATION CHARLES LEGION SERVICE SHILOH LAIRD GARDNER UMMARY CHARLES LEGION SERVICE SHILOH LOCATION CHARLES LEGION SERVICE SHILOH	0 14 0 MID Seinin of Salmon Total Catch 3 1 4 0 0 0 0 0 0 0 0 0 0 0 0 0	1800       13850       2700       g Study       / 1000 sq. fl       Area       1800       1800       2400       700       13450       2650       g Study       13400       2650       g Study       / 1000 sq. fl       Area       2000       2400       2400       2400       2500       1800       1800       1800       1800       1800       2400       2000       2400       750       1800       1800       1800       1800       1800       1950       2400       1400       1200       1800       1800       1800       1800       1800       1800       1800       1800 <tr< td=""><td>Measured Fry 3 4 1 3 4 4 11 11 11 12 12 12 12 12 12 13 0 0 25 5 Measured Fry 28 1</td><td>Ext Measured Juvenile 0 5 0 5 5 5 5 1 1 1 29 29 29 29 29 29 29 29 29 29 29 29 29</td><td>trapolated Density 1.7 0.6 1.3 3.1 0.8 0.8 trapolated Density Fry 6.0 5.4 0.0 1.7 1.7 rapolated Density Fry 1.1 0.8 0.0 0.0</td><td>Density Juvenile 0.0 2.1 0.0 0.4 0.4 Density Juvenile 6.5 6.3 0.4 2.0 Density Juvenile 0.4 2.0 2.0</td><td>0.0 1.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0</td><td>Average FL 38.3 37.0 63.0 40.8 51.2 E Average FL 49.4 52.6 93.0 51.9 E Average FL 49.4 52.6 93.0</td><td>UPPER SECTION Density Fry 1.2 XTRAPOLATED UPPER SECTION Density Fry 3.7 XTRAPOLATED UPPER SECTION Density Fry Fry</td><td>MIDDLE SECTION Density Fry 1.0 MIDDLE SECTION Density Fry 0.0 MIDDLE SECTION Density Fry</td><td>LOWER SECTION Density Fry 0.0 LOWER Fry 0.0</td><td>UPPER SECTION UPPER SECTION UPPER SECTION Density Juvenile 4.3</td><td>MIDDLE MIDDLE SECTION 0.0 MIDDLE SECTION Density Juvenile 0.0</td><td>SEC De Juv</td></tr<>	Measured Fry 3 4 1 3 4 4 11 11 11 12 12 12 12 12 12 13 0 0 25 5 Measured Fry 28 1	Ext Measured Juvenile 0 5 0 5 5 5 5 1 1 1 29 29 29 29 29 29 29 29 29 29 29 29 29	trapolated Density 1.7 0.6 1.3 3.1 0.8 0.8 trapolated Density Fry 6.0 5.4 0.0 1.7 1.7 rapolated Density Fry 1.1 0.8 0.0 0.0	Density Juvenile 0.0 2.1 0.0 0.4 0.4 Density Juvenile 6.5 6.3 0.4 2.0 Density Juvenile 0.4 2.0 2.0	0.0 1.0 1.0 0.0 Density Total 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Average FL 38.3 37.0 63.0 40.8 51.2 E Average FL 49.4 52.6 93.0 51.9 E Average FL 49.4 52.6 93.0	UPPER SECTION Density Fry 1.2 XTRAPOLATED UPPER SECTION Density Fry 3.7 XTRAPOLATED UPPER SECTION Density Fry Fry	MIDDLE SECTION Density Fry 1.0 MIDDLE SECTION Density Fry 0.0 MIDDLE SECTION Density Fry	LOWER SECTION Density Fry 0.0 LOWER Fry 0.0	UPPER SECTION UPPER SECTION UPPER SECTION Density Juvenile 4.3	MIDDLE MIDDLE SECTION 0.0 MIDDLE SECTION Density Juvenile 0.0	SEC De Juv
21APR 21APR 21APR WOL.TOT. SJR.TOT. 35H2 21(CC) 99 Weekly Si Imon Density 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 100LTOT. 19 Weekly Si mon Density 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 19MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY 10MAY	LAIRD GARDNER Ontinued) ummary of TID/ is the Number Location OLGB TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LCCATION SERVICE SHILOH LAIRD CHARLES LEGION SERVICE SHILOH LAIRD CHARLES LEGION SERVICE SHILOH LAIRD CHARLES LEGION SERVICE SHILOH LOCATION CHARLES SHILOH LOCATION CHARLES SHILOH LOCATION SERVICE SHILOH LOCATION CHARLES SHILOH LOCATION SERVICE	0 0 14 0 MID Seinin of Salmon Total Catch 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0	1800       13850       2700       g Stud;       / 1000 sq. ft       Area       1800       2400       1300       1800       2400       1300       1200       1700       1800       2650       g Stud;       (1000 sq. ft       Area       2000       2400       2400       2400       2500       1800       1800       1800       1800       1800       1800       1800       1800       1800       1800       1800       1800       1800       1950       1400 sq. ft       1200       2400       1400       1200       2400       1400	Measured Fry 3 4 1 3 4 4 11 11 11 12 12 12 12 12 12 13 0 0 25 5 Measured Fry 28 1	Ext Measured Juvenile 0 5 0 5 5 5 5 1 1 1 29 29 29 29 29 29 29 29 29 29 29 29 29	trapolated Density 1.7 0.6 1.3 3.1 0.8 0.8 trapolated Density Fry 6.0 5.4 0.0 1.7 1.7 rapolated Density Fry 1.1 0.8 0.0 0.0	Density Juvenile 0.0 2.1 0.0 0.4 0.4 Density Juvenile 6.5 6.3 0.4 2.0 Density Juvenile 0.4 2.0 2.0	0.0 1.0 0.0 1.0 0.0 1.0 1.0 1.7 0.6 3.3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	Average FL 38.3 37.0 63.0 40.8 51.2 E Average FL 49.4 52.6 93.0 51.9 E Average FL 49.4 52.6 93.0	UPPER SECTION Density Fry 1.2 XTRAPOLATED UPPER SECTION Density Fry 3.7 XTRAPOLATED UPPER SECTION Density Fry Fry	MIDDLE SECTION Density Fry 1.0 MIDDLE SECTION Density Fry 0.0 MIDDLE SECTION Density Fry	LOWER SECTION Density Fry 0.0 LOWER Fry 0.0	UPPER SECTION UPPER SECTION UPPER SECTION Density Juvenile 4.3	MIDDLE MIDDLE SECTION 0.0 MIDDLE SECTION Density Juvenile 0.0	SEC De Juv

### Table 3. Summary table of weekly seine catch by location for the Tuolumne and San Joaquin Rivers, 2009.

2009 TUOLUMNE RIVER SEINING STUDY (TID/MID)

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DATE	LOCATION	RIVER MILE	САТСН	AREA	DENSITY (/1000ft^2)	FL MIN	FL MAX.	FL AVG	NO MEAS.	SACFRY	NO KILLED	WATER TEMP	ELEC. COND.	SMOLT FL	SECTION UPPER	I DENSITY MIDDLE	LOWER	TURB.	D.O.
13JAN	OLGB	50.5	0	1,800	0.0							10.2	38		0.0	0.0	0.0	1.4	(ppm) 10.5
13JAN 13JAN	R5 TRR	48.0 42.3	0	1,950 1,800	0.0 0.0							97	40					1.2	12.0
13JAN	HICK	42.3	0	1,800	0.0							10.1 9.4	50 67					1.3 3.8	11.7 12.7
13JAN	CHARLES	24.9	0	1,800	0.0							9.9	118					2.0	12.2
13JAN 13JAN	LEGION	17.2 8.7	0	2,250	0.0							10.5	155					2.1	13 0
13JAN	SHILOH	3.4	0	1,800 1,800	0.0 0.0							10.0 10.9	202 221					1.5 1.3	12 4
13JAN	LAIRD	90.2	0	1,500	0.0							10.8	1518					10,7	12.7
13JAN TR TOT	GARDNER	79.5	0	1,800	0.0							10.3	1137					9.7	12.4
SJR TOT			0	15000 3300	0.0 0.0				0										
			, i		0.0				0										
2009 TUOLI	UMNE RIVER SE	INING STU	IDY (TID/MI	D)															
		RIVER			DENSITY	FL	FL	FL	NO		NO	WATER	ELEC	SMOLT	PECTION	DENSITY			
DATE	LOCATION	MILE	CATCH	AREA	(/1000ft^2)	MIN	MAX.	AVG.	MEAS.	SACFRY	KILLED	TEMP	COND.	FL		MIDDLE	LOWER	TURB.	D.O.
07 (41)																			(ppm)
27JAN 27JAN	OLGB R5	50.5 48.0	0 27	1800 1800	0.0 15.0	34	41	37 3	27	0	2	10.0 9.5	40 43		7.0	0.0	0.0	2.0	9.7
27JAN	TRR	42.3	12	1950	6.2	34	38	36.3	12	0	20	9.5	43					1.3 3.1	11.2 11.2
27JAN	HICK	31.6	0	1950	0.0					-	-	10.0	78					3.8	11.8
27JAN	CHARLES	24.9	0	2100	0.0							11.6	116					3.7	11.4
27JAN 27JAN	LEGION SERVICE	17.2 8.7	0	2100 1950	0.0							11.6	146 137					3.2	10 7
27JAN	SHILOH	3.4	Ő	1950	0.0							10.5 11.1	202					2.6 3.1	12.0 12.2
27JAN	LAIRD	90.2	0	600	0.0				******			10.9	1081					42.0	11.6
27JAN TR TOT	GARDNER	79.5	0	2200	0.0							10.7	905					23.9	11.9
SJR TOT			39 0	15600 2800	2.5 0.0	34	41	37.0	39 0	0	0								
	UMNE RIVER SE	INING STU							Ū	Ū	0								
DATE	LOCATION	RIVER MILE	CATCH	AREA	DENSITY (/1000ft^2)	FL MIN.	FL MAX.	FL AVG	NO. MEAS	SACERY	NO.	WATER	ELEC.	SMOLT	SECTION				
09FEB	OLGB	50.5	7	2200	(/1000/02)	35	40				KILLED	TEMP	COND	FL		MIDDLE	LOWER	TURB.	D.O (ppm)
09FEB	85 R5	48.0	59	2200	3.2 26.8	35	40 47	37.3 39.5	7 59	0	0 8	10.4 10.5	40 44		24.7	0.7	0.0	1.2	9.4
09FEB	TRR	42.3	92	2000	46.0	35	60	40.1	53	0	0	10.5	44 57					1.3 1.8	11.3 11.5
09FEB	HICK	31.6	4	1800	2.2	41	45	42 5	4	0	Ő	11.5	74					1.9	11.8
09FEB 09FEB	CHARLES	24.9 17.2	0	1800 2400	0.0							12.9	116					2.7	11.6
09FEB	SERVICE	87	0	2200	0.0							13.0 12.7	151 193					5.0	115
09FEB	SHILOH	3.4	0	2000	0.0							12.8	208					2.0 3.8	11.9 12.2
09FEB	LAIRD	90.2	0	900	0.0							13.2	1487					32.4	11.5
09FEB TR TOT	GARDNER	79.5	0	2200	0.0	35	60	39.7	123	0	8	12 8	1186				····	22.1	11.8
SJR TOT			0	3100	0.0	00	00	00.1	120	U	0								
2009 TUOLU	JMNE RIVER SEI	NING STU	DY (TID/MIC	))															
		RIVER			DENSITY	FL	FL	FL	NO		NO	WATER	FLEC	SMOLT	eretion	DEMOITY			
DATE	LOCATION	MILE	CATCH	AREA	(/1000th^2)	MIN.	MAX	AVG	MEAS	SACFRY	KILLED	TEMP.	COND	FL	SECTION UPPER	MIDDLE	LOWER	TURB	DO
																		10110	(ppm)
24FEB 24FEB	OLGB R5	50.5 48.0	8 30	1800 1800	4.4 16.7	36 36	50 48	40 1	8	0	0	110	42		14 8	02	0.0	1.2	95
24FEB	TRR	40.0	47	2150	21.9	35	46 55	42.3 44.7	30 47	0	0	11.4 12.5	45 57					2.7 1.6	11 2 11 1
24FEB	HICK	31.6	1	1650	0.6	46	46	46.0	1	ő	ò	13.3	76					2.9	11.3
24FEB	CHARLES	24.9	0	1950	0.0							13.5	118					3.1	11.4
24FEB 24FEB	LEGION SERVICE	17.2 8.7	0	2400 2200	0.0 0.0							14.7	151					5.3	10.9
24FEB	SHILOH	3.4	0	1800	0.0							14 7 15.4	190 191					6.8 10.2	10.8 10.3
24FEB	LAIRD	90.2	Ū.	900	0.0	·····						14.8	1148					38.0	97
24FEB TR TOT	GARDNER	79.5	0	1800	0.0							14.6	939					33.5	9.9
SJR TOT			86 0	15750 2700	5.5 0.0	35	55	43.5	86	0	1								
	MNE RIVER SEI	NING STUE			0.0														
							-												
DATE	LOCATION	RIVER	CATCH	AREA	DENSITY (/1000ft^2)	FL MIN.	FL MAX.	FL AVG	NO.	SACFRY	NO.	WATER	ELEC	SMOLT	SECTION		101/25	No. 100 10	
DATE	LOOATION	MULE.	UNION	ANCA	(/1000102)	WON.	MAX.	AVG.	MEAS.	SACERY	KILLED	TEMP.	COND	FL	UPPER	MIDDLE	LOWER	TUR8	D.O.
10MAR	OLGB	50.5	0	2100	0.0							9.9	40		13 0	4.4	0.0	16	(ppm) 10,9
10MAR	R5	48.0	31	1700	18.2	36	53	40.7	31	0	0	9.5	45					1.5	12.1
10MAR 10MAR	TRR HICK	42 3 31.6	47 24	2200 1500	21.4	34 37	56	410	47	0	0	11.4	61					21	10.8
10MAR	CHARLES	24.9	1	1800	16.0 0.6	37	51 37	42.2 37.0	24 1	0	0	11.8 13.7	59 125					6.0 6.4	11.7 11.4
10MAR	LEGION	17.2	o.	2400	0.0		51	01.0		v	v	14.1	160					0.4 11.5	11.4 11.5
10MAR	SERVICE	87	0	2400	0.0							13.2	198					15.5	11.3
10MAR 10MAR	LAIRD	<u>3.4</u> 90.2	0	1800	0.0							14.1	205					19.0	11.3
10MAR	GARDNER	90.2 79.5	0	1200	0.0							14 1 13 9	1152 928					41.6	11.2 10,7
TR TOT																			
SJR TOT	GARDINER		103	15900 2100	6.5 0.0	34	56	41 1	103	0	0	10.0	320	·				38.1	10,7

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## Table 3 (Continued) 2009 TUOLUMNE RIVER SEINING STUDY (TID/MID)

DATE	LOCATION	RIVER MILE	CATCH	AREA	DENSITY (/1000ft^2)	FL MIN	FL MAX.	FL AVG.	NO. MEAS.	SACFRY	NO. KILLED	WATER TEMP	ELEC. COND.	SMOLT FL	SECTION ( UPPER		LOWER	TUR8.	D. (pp
24MAR 24MAR	OLGB R5	50.5 48.0	0 5	1800 1800	0.0	20	40	42.4	5	0		9.5	39		0.9	2.0	0.0	1.7	1
24MAR	TRR	42.3	0	2100	2.0	38	48	43.4	5	U	0	9.6 12.1	41 53					1.7 1.9	
24MAR 24MAR	HICK CHARLES	31.6 24.9	11 0	1500 1800	7.3 0.0	52	77	59.1	11	0	0	13.3	73	73,77				2.8	
24MAR 24MAR	LEGION	24.9	0	2200	0.0							15.8 16.6	119 157					2.4 2.7	
24MAR 24MAR	SERVICE SHILOH	87 3.4	0	2400	0.0							15.7	206					4.1	
24MAR	LAIRD	90.2	0	1800 900	0.0				~~~~~~			16.9 15 4	225					3.5 34.1	
24MAR TR TOT	GARDNER	79.5	0	1800	0.0	20	77	64.0	16			15.5	1255					20,1	
SJR TOT			16 0	15400 2700	10 0.0	38		54.2	16	0	0								
2009 TUOLU	MNE RIVER SE	INING ST	JDY (TID/MI	D)															
DATE	LOCATION	RIVER MILE	САТСН	AREA	DENSITY (/1000ft*2)	FL MIN.	FL MAX.	FL AVG.	NO. MEAS.	SACFRY	NO. KILLED	WATER TEMP	ELEC COND	SMOLT FL	SECTION D		LOWER	TURB	
07APR	OLGB	50.5	0	1800	0.0							9.9	37		1.4	1.0	0.0	1.5	(p
07APR 07APR	R5 TRR	48.0 42.3	1 7	1500 2400	0.7 2.9	46 36	46 40	46.0 37.6	1 7	0	0	10.5	40 60					1.6	
07APR	HICK	42.3 31.6	4	1900	2.9	65	40 80	70.8	4	0	0	13 6 16.1	70	65-80(5)				2.7 2.6	
07APR 07APR	CHARLES LEGION	24 9 17 2	2 0	1800	1.1 0.0	64	65	64.5	2	0	0	177	118					3.0	
07APR	SERVICE	8.7	0	2400 1800	0.0							18.8 17.5	147 193					2.8 4.8	
07APR 07APR	SHILOH LAIRD	3.4 90.2	0	1800 900	0.0							17.8 18.0	203					4.8	
07APR	GARDNER	79.5	0	1800	0.0							17.9	1142					24.4 15.1	
TR TOT. JR TOT			14 0	15400 2700	0.9 0.0	36	80	51.5	14	0	0								
	MNE RIVER SE	INING STU																	
DATE	LOCATION	RIVER MILE	CATCH	AREA	DENSITY (/1000ft^2)	FL MIN.	FL MAX	FL AVG	NO. MEAS.	SACFRY	NO. KILLED	WATER TEMP	ELEC. COND.	SMOLT FL	SECTION D	DENSITY	LOWER	TURB	ſ
21APR	OLGB	50.5	0	1650	0.0							10.5	37		1.6	1.3	0.0	1.5	(1
21APR	R5	48.0	8	1600	5.0	38	43	39.5	8	0	0	10,6	38		1.0	(.5	0.0	1.6	
21APR 21APR	TRR HICK	42.3 31.6	0 6	1800 1200	0.0 5.0	63	79	71.3	6	0	0	11.2 14 4	43 47	65-79(5)				2.1 2.8	
21APR	CHARLES	24.9	0	1200	0.0			77.0		Ũ	Ű	16.7	54	00.10(0)				2.7	
21APR 21APR	LEGION SERVICE	17.2 8.7	0	2400 2200	0.0 0.0							17.6 19.0	58 69					4.2 5.9	
21APR	SHILOH	3 4	0	1800	0.0							20.7	69					7.9	
21APR 21APR	LAIRD GARDNER	90.2 79.5	0	900 1800	0.0							24.3 22.3	1536 581					31.6 20.5	
TR TOT.																			
			14 0	13850 2700	1.0 0.0	38	79	53.1	14	0	0								
SJR TOT	NNE RIVER SE	INING STU	0	2700		38	79	53.1	14	0	0								
SJR TOT	INE RIVER SE	INING STU RIVER MILE	0	2700		38 FL MIN	79 FL MAX	53.1 FL AVG	NO MEAS	0 SACFRY	0 NO KILLED	WATER TEMP	ELEC COND.	SMOLT FL	SECTION D	DENSITY	LOWER	TURB.	, C
UR TOT 009 TUOLU! DATE 05MAY	LOCATION	RIVER MILE 50.5	0 IDY (TID/MIC	2700 )) AREA 1800	0.0 DENSITY (/1000ft^2) 1 7	FL MIN 35	FL MAX 40	FL AVG 38.3	NO		NO						LOWER 0.0	TURB. 1.3	(p
DATE 055MAY 05MAY	LOCATION OLGB R5	RIVER MILE 50.5 48.0	0 IDY (TID/MIC CATCH 3 1	2700 )) AREA 1800 1800	0.0 DENSITY (/1000ff*2) 1.7 0.6	FL MIN 35 37	FL MAX 40 37	FL AVG 38.3 37 0	NO MEAS 3 1	SACFRY 0 0	NO KILLED 0 0	TEMP 10.9 11.2	COND. 37 40	FL	UPPER	MIDDLE		1.3 1 3	(p
UR TOT D09 TUOLU! DATE 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK	RIVER MILE 50.5 48.0 42.3 31 6	0 IDY (TID/MIC CATCH 3 1 8 4	2700 )) AREA 1800 1800 2400 1300	0.0 DENSITY (/1000ft^2) 1.7 0.6 3.3 3.1	FL MIN 35	FL MAX 40	FL AVG 38.3	NO MEAS 3	SACFRY 0	NO KILLED 0	TEMP 10.9	COND. 37		UPPER	MIDDLE		1.3	(1
JR TOT 009 TUOLU! DATE 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK CHARLES	RIVER MILE 50.5 48.0 42.3 31.6 24.9	0 IDY (TID/MIC CATCH 3 1 8 4 0	2700 )) AREA 1800 1800 2400 1300 1200	0.0 DENSITY (/1000ff*2) 1 7 0 6 3.3 3.1 0.0	FL MIN 35 37 41	FL MAX 40 37 90	FL AVG 38.3 37 0 63.0	NO MEAS 3 1 8	SACFRY 0 0 0	NO Killed 0 0	TEMP 10.9 11.2 12.0 14.6 16.1	COND. 37 40 44 47 64	FL	UPPER	MIDDLE		1.3 1 3 3.0 6.0 15.4	(1
JR TOT D09 TUOLU! DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE	RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7	0 IDY (TID/MIC CATCH 3 1 8 4	2700 AREA 1800 1800 2400 1300 1200 1700 1800	0.0 DENSITY (/1000ft^2) 1.7 0.6 3.3 3.1	FL MIN 35 37 41	FL MAX 40 37 90	FL AVG 38.3 37 0 63.0	NO MEAS 3 1 8	SACFRY 0 0 0	NO Killed 0 0	TEMP 10.9 11.2 12.0 14.6	COND. 37 40 44 47	FL	UPPER	MIDDLE		1.3 1 3 3.0 6.0	(1
DATE D5MAY D5MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH	RIVER MILE 50.5 48.0 42.3 31 6 24 9 17.2 8.7 3.4	0 IDY (TID/MIC CATCH 3 1 8 4 0 0 0 0 0	2700 AREA 1800 1800 2400 1300 1200 1700 1800 1400	0.0 DENSITY (/1000ft^2) 1 7 0 6 3 3 3.1 0.0 0.0 0.0 0.0 0.0	FL MIN 35 37 41	FL MAX 40 37 90	FL AVG 38.3 37 0 63.0	NO MEAS 3 1 8	SACFRY 0 0 0	NO Killed 0 0	TEMP 10.9 11.2 12.0 14.6 16.1 17.2 18.8 19.2	COND. 37 40 44 47 64 72 95 95	FL	UPPER	MIDDLE		1.3 1 3 3.0 6.0 15.4 51 1 102.0 158.0	(p
JR TOT 009 TUOLU! DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE	RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7	0 IDY (TID/MIC CATCH 3 1 8 4 0 0 0 0 0 0 0 0	2700 AREA 1800 1800 2400 1300 1200 1700 1800	0.0 DENSITY (/1000ft*2) 1 7 0 6 3 3 3 .1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	FL MIN 35 37 41 35	FL MAX 40 37 90 46	FL AVG 38.3 37 0 63.0 40 8	NO MEAS 3 1 8	SACFRY 0 0 0	NO Killed 0 0	TEMP 10.9 11.2 12.0 14.6 16.1 17.2 18.8	COND. 37 40 44 47 64 72 95	FL	UPPER	MIDDLE		1.3 1 3 3.0 6.0 15.4 51 1 102.0	(p
JR TOT 009 TUOLU! DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD	RIVER MILE 50.5 48.0 42.3 31 6 24 9 17.2 8.7 3.4 90.2	0 IDY (TID/MIC CATCH 3 1 8 4 0 0 0 0 0 0 0	2700 AREA 1800 1800 2400 1300 1200 1700 1800 1400 700	0.0 DENSITY (/1000ft^2) 1 7 0 6 3 3 3 .1 0.0 0.0 0.0 0.0 0.0 0.0	FL MIN 35 37 41	FL MAX 40 37 90	FL AVG 38.3 37 0 63.0	NO MEAS 3 1 8	SACFRY 0 0 0	NO Killed 0 0	TEMP 10.9 11.2 12.0 14 6 16.1 17.2 18.8 19.2 22.6	COND. 37 40 44 47 64 72 95 95 95 95	FL	UPPER	MIDDLE		1.3 1 3 3.0 6.0 15.4 51 1 102.0 <u>158.0</u> 48.9	1 (P
JR TOT 009 TUOLUM DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MA	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD	RIVER MILE 50.5 48.0 42.3 31 6 24 9 17.2 8.7 3.4 90.2 79 5	0 IDY (TID/MIC CATCH 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2700 AREA 1800 1800 2400 1300 1200 1700 1800 1400 1950 13400 2650	0.0 DENSITY (/1000ft*2) 1 7 0 6 3 3 3 3 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2	FL MIN 35 37 41 35	FL MAX 40 37 90 46	FL AVG 38.3 37 0 63.0 40 8	NO MEAS 3 1 8 4	SACFRY 0 0 0 0	NO KILLED 0 0 0	TEMP 10.9 11.2 12.0 14 6 16.1 17.2 18.8 19.2 22.6	COND. 37 40 44 47 64 72 95 95 95 95	FL	UPPER	MIDDLE		1.3 1 3 3.0 6.0 15.4 51 1 102.0 <u>158.0</u> 48.9	(p
JR TOT 009 TUOLU? DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	RIVER MILE 50.5 48.0 42.3 31 6 24 9 17.2 8.7 3.4 90.2 79 5	0 IDY (TID/MIC CATCH 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2700 AREA 1800 1800 2400 1300 1200 1700 1800 1400 1950 13400 2650	0.0 DENSITY (/1000ft*2) 1 7 0 6 3 3 3 3 1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 1.2	FL MIN 35 37 41 35	FL MAX 40 37 90 46	FL AVG 38.3 37 0 63.0 40 8	NO MEAS 3 1 8 4	SACFRY 0 0 0 0	NO KILLED 0 0 0	TEMP 10.9 11.2 12.0 14 6 16.1 17.2 18.8 19.2 22.6	COND. 37 40 44 47 64 72 95 95 95 95	FL	UPPER 2.0 SECTION D	MIDDLE 1.0		1.3 1 3 3.0 6.0 15.4 51 1 102.0 <u>158.0</u> 48.9	(r
JR TOT 109 TUOLU! DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MA	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER	RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 30.2 79.5 NING STU RIVER	0 DY (TIDANIC 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2700 AREA 1800 1800 2400 1200 1700 1800 1400 700 1950 13400 2650 ))	0.0 DENSITY (/1000ft*2) 1 7 6 3 3 3 3.1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	FL MIN 35 37 41 35 35 35	FL MAX 40 37 90 46 90 FL MAX.	FL AVG 38.3 37 0 63.0 40 8 51 2 FL	NO MEAS 3 1 8 4 4 16 NO MEAS	SACFRY 0 0 0 0 0	NO KILLED 0 0 0 0 0 KILLED	TEMP 10.9 11.2 12 0 14 6 16.1 17.2 18.8 19.2 22.6 21.2 WATER TEMP	COND. 37 40 44 72 95 95 95 1098 562 ELEC. COND	FL 71-90(4)	UPPER 2.0 SECTION D UPPER	MIDDLE 1.0	0.0	1.3 13 3.0 60 15.4 51.1 102.0 158.0 48.9 117.0	()
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JR TOT 09 TUOLUY DATE 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05MAY 05 TUOLUK DATE 19MAY	LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER MNE RIVER SEI LOCATION OLGB	RIVER MILE 50.5 48.0 42.3 31 6 24 9 17.2 8.7 3.4 90.2 79 5 NING STU RIVER MILE 50 5	0 CATCH 3 1 8 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2700 AREA 1800 1800 2400 1300 1200 1700 1800 1400 1400 13400 2650 2) AREA 2000	0.0 DENSITY (/1000ft^2) 1 7 0 6 3 3 3 .1 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	FL MIN 35 37 41 35 35 35 FL MIN. 35	FL MAX 40 37 90 46 90 90 FL MAX. 57	FL AVG 38.3 37.0 63.0 40.8 51.2 FL AVG 49.4	NO MEAS 3 1 8 4 4 16 NO MEAS 25	SACFRY 0 0 0 0 0 0 0 SACFRY 0	NO KILLED 0 0 0 0 KILLED 0	TEMP 10.9 11.2 12 0 14 6 16.1 17.2 18.8 19.2 22.6 21.2 WATER TEMP 10.7	COND. 37 40 44 47 64 72 95 <u>95</u> 1098 <u>562</u> ELEC. COND 35	FL 71-90(4) SMOLT FL	UPPER 2.0 SECTION D UPPER	MIDDLE 1.0 DENSITY MIDDLE	0.0	1.3 13 3.0 60 15.4 51 1 102.0 <u>158.0</u> 158.0 117.0 TURB 1.2	() 
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# Table 4. 2009 OTHER SPECIES SAMPLED DURING SEINING STUDIES ON JUVENILE SALMON

2009 OTHER SPECIES SAMPLED DURING SEINING STUDIES ON JUVENILE SALMON

OTHER SPECIES SAMPLED (ACTUAL COUNTS OR ESTIMATED ABUNDANCE)

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# Table 4. KEY TO OTHER SPECIES SAMPLED AND DISTRIBUTION (List includes all species caught during 1986-2009 seining studies)

	COMMON	NATIVE		SAN	
FAMILY	NAME	SPECIES	ABBREV.	JOAQUIN	TUOL.
Petromyzontidae	Pacific lamprey	Ν	LP		
Clupeidae	threadfin shad	14	TFS		
Salmonidae	Chinook salmon	Ν	CS		х
Salmonidae	rainbow trout	N	RT		x
Cyprinidae	carp	1 (	CP		~
Cyprinidae	goldfish		GF		
Cyprinidae	golden shiner		GSH		х
Cyprinidae	Sacramento blackfish	Ν	SBF		~
Cyprinidae	hitch	N	HCH		
Cyprinidae	hardhead	N	HH		х
Cyprinidae	Sacramento pikeminnow	N	PM	Х	X
Cyprinidae	Sacramento splittail	N	ST	~	~
Cyprinidae	red shiner	14	PRS	Х	х
Cyprinidae	fathead minnow		FHM	~	
Catostomidae	Sacramento sucker	Ν	SKR	Х	Х
Ictaluridae	channel catfish	14	CCF	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	X
Ictaluridae	white catfish		WCF		
Ictaluridae	brown bullhead		BBH		
Poeciliidae	western mosquitofish		GAM	х	х
Atherinidae	inland silverside		ISS	X	
Percichthyidae	striped bass		SB		
Centrarchidae	white/black crappie		WCR/BCR		
Centrarchidae	warmouth		WM		
Centrarchidae	green sunfish		GSF		Х
Centrarchidae	bluegill		BG	х	X
Centrarchidae	redear sunfish		RSF	X	X
Centrarchidae	largemouth bass		LMB	X	Х
Centrarchidae	smallmouth bass		SMB	х	Х
Percidae	bigscale logperch		BLP		
Embiotocidae	tule perch	Ν	TP		
Cottidae	prickly sculpin	N	PSCP		
Cottidae	riffle sculpin	N	RSCP		х
TOTAL:	32			9	15

2009 species presence designated with 'X'

Summary
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Table (

Tuolumne River Seining Study Summary (Tuolumne, San Joaquin and Stanislaus Rivers)

	End	Date	27JUN	04JUN	17MAY	12MAY	11MAY	24MAY	<b>13MAY</b>	12MAY	20MAY	12JUL	13JUN	28MAY	21MAY	19MAY	17MAY	<b>30MAY</b>	21MAY	28MAY	25MAY	25MAY	15JUN	23MAY	27MAY	02JUN
	Start	Date	22JAN	05JAN	05JAN	05JAN	04JAN	15JAN	27JAN	26JAN	25JAN	09FEB	17JAN	14JAN	14JAN	14JAN	11JAN	09JAN	15JAN	21JAN	20JAN	19JAN	20JAN	17JAN	22JAN	13JAN
	Average	Density			2.9	45.4		0.2	3.9	0.3																
S	Sites	Sampled			~	~		~	<b>~</b>	<del>~~</del>		10 MI 10		-			-	1		1						ļ
STANISLAUS	Salmon	Captured			84	1206		ę	54	9							-	-					****			
	Average	Density	14.2	1.9	2.1	0.6	0.5	0	0	0	0		0.2	0.4	2.5	13.6	0.6	2.6	0	0	0	0.2	1.2	0	0	0
NI	Sites	Sampled	ო	မ	4	ю	r	Ю	ო	ო	2	2	2*	2*	2	0	2	2	2	2	2	2*	2	2	7	2
SAN JOAQUIN	Salmon	Captured	854	734	295	83	48	0	0	0	0	43	7	<del>~</del>	66	560	19	83	0	<b>4</b>	0	ω	39	0	0	0
<u></u>	Growth Rate	Index (mm/day)	0.45	0.45	0.58	0.64	0.57	No estimate	No estimate	0.68	0.65	0.79	0.66	0.48	0.46	0.54	0.46	0.67	0.64	0.68	0.55	0.53	0.79	0.58	0.66	0.64
	Sites Average	Density	20.7	22.4	14.3	27.0	6.0	0.5	1.2	0.8	21.6	6.1	7.6	2.7	14.4	24.6	27.0	41.3	25.6	39.3	19.3	8.9	10.2	1.5	1.4	4.7
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RIVER	Salmon	Captured	5514	14825	6134	10043	2286	120	144	124	2068	512	785	379	1950	3443	3213	5567	3486	5983	3280	1341	1558	204	198	779
TUOLUMNE RIVER	Sampling	Periods	18	21	14	13	14	ω	5	7	7	ω	ω	10	10	10	10		10	10		10	11	10	10	<del>,</del>
Ŧ		Year	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009

--- Not Sampled \*All San Joaquin River locations were not always sampled

Table 6. Summary table of locations sampled, 1986-2009

1986 TO 2009 SEINING LOCATIONS TUOLUMNE RIVER

Site Location	River Mile	1986 1987 198	987 19	88 1989	39 1990	0 1991		1992 1993	1994	1995 1	1996 1	1997 1	1998 19	1999 20	2000 20	2001 2002		3 2004	2003 2004 2005	2006	2007	2008	2009
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3 Riffle 5	47.9		×	×	×	××			×					×	×				×		×	×	×
4 Tuolumne River Resort	42.4			×			×	×	×	×	×	×	×	×	×	×	××	×	×	×	×	×	: ×
5 Turlock Lake State Rec. Area	42.0	×	×																(	ć	(	(	(
6 Reed Gravel	34.0	×	×	×	×	××																	
7 Hickman Bridge	31.6	×	×	×				×	×	×	×	×	×	×	×				×	×	×	×	×
8 Charles Road	24.9		×	×				×				×	×	×	×				: ×	: ×	×	×	: ×
9 Legion Park	17.2	×	×	×			×	×	×	×	×	×	×	×	×				: ×	<	<	<	<
10 RDP / Service Rd. / Venn	12.3 - 7.4		×	×		×						Ś		: ×	: ×	( ×	<	<	<	<	<	<	<
11 McCleskey Ranch	6.0	×	×	×	×	××	×	×	×					(	:				<	<	<	<	<
12 Shiloh Bridge	3.4	×	×	×			• -	×		×	×	×	×	×	×	×	××	×	×	×	×	×	×
SAN JOAQUIN RIVER																							
		1986 1987 198	987 19	88 1989	39 1990	0 1991		1992 1993	1994	1995 1	1996 1	1997 10	1008 10	1999 20	2000 2001	0000 10	2003	2004	2005	2006	2000		0000
Site Location	River Mile		) - - -	,		) - -		2		-				14 000	200		101	1007	0007				6003
13 Laird Park	90.2	×	×	×				×	×	×	×	×	×	×	×				×	×	×	×	×
14 Gardner Cove	77.8		×	×	×	××	×	×	×	×	×	×	×	×	×	×	×	×	×	: ×	×	×	<
15 Maze Road	76.6	×	×	×										ć					(	<	<	<	<
16 Sturgeon Bend	74.3		×	×																			
17 Durham Ferry Park	71.3	×	×	×	×	××	×	×															
18 Old River	53.7		×																				
STANISLAUS RIVER																							
		1986 1987 198	987 19	ω	1989 1990	0 1991		1992 1993	1994	1995 1	1996 1	1997 19	1998 19	1999 20	2000 2001	01 2002	2 2003	3 2004	2004 2005	2006	2007	2008	2009
Site Location	River Mile																						
19 Caswell State Park	8.5			×	×	×	×	×															
DRY CREEK																							
		1986 1987 198	987 19	ø	39 199	1989 1990 1991		1992 1993	1994	1995 1	1996 1	1997 19	1998 19	1999 20	2000 2001	1 2002	2 2003	2004	2005	2006	2007	2008	2009
Site Location	River Mile														i				) ) [				
20 Beard Brook Park	0.5						×	×															
In 1987 additional sites on the Tuolumne. San Ioacuin Morrood and Str	na San Inadrin	Moroco	C pue y	ioniclo.	o Divo		Jumes	2000 00	Ilocoloc	7001/ Montenant	0.1000	Pooo I											

In 1987 additional sites on the Tuolumne, San Joaquin, Merced and Stanislaus Rivers were sampled occasionally (1987 annual report).

Table 7. Tuolumne River analysis of female spawners to fry density.

			Л	VENILE SEINING
TUOL.R.	TOTAL		PEAK	AVERAGE
FALL-	FEMALE		FRY	FRY DENSITY
 RUN	<b>SPAWNERS</b>		DENSITY	15JAN-15MAR
1985	22600	198	36 158.8	59.5
1986	3800	198		46.2
1987	4600	198	38 70.2	33.9
1988	4100	198	89 115.1	39.7
1989	680	199	0 11.4	5.0
1990	28	199	91 1.3	0.5
1991	28	199	6.1	2.9
1992	55	199	93 1.7	0.9
1993	237	199	94 79.5	41.5
1994	249	199	12.5	9.8
1995	522	199	6 16.1	13.0
1996	1142	199	2.8	2.1
1997	4224	199	98 49.3	24.6
1998	4527	199	9 78.0	39.3
1999	3535	200	0 78.8	48.0
2000	11260	200	1 126.3	85.6
2001	4970	200	92.8	41.5
2002	3876	200	3 164.3	68.8
2003	1768	200	4 38.8	27.2
2004	1004	200	5 20.5	14.6
2005	478	200	6 28.7	12.7
2006	282	200	7 3.7	2.2
2007	80	200	8 2.4	1.7
2008	212	200	9 9.7	4.8

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