UNITED STATES OF AMERICA BEFORE THE FEDERAL ENERGY REGULATORY COMMISSION

| Turlock Irrigation District |) | |
|-----------------------------|--------|-------------------|
| and |) | Project No. 2299 |
| |)) | 110,000 110. 22,5 |
| Modesto Irrigation District |) | |

2008 LOWER TUOLUMNE RIVER ANNUAL REPORT

Report 2008-3

2008 Seine Report and Summary Update

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EXECUTIVE SUMMARY

The 2008 seining survey was conducted at two-week intervals from 22 January to 27 May for a total of 10 sample periods. This was the 23rd consecutive annual seining study on the Tuolumne River conducted by the Turlock and Modesto Irrigation Districts.

A total of 198 natural Chinook salmon were caught in the Tuolumne River and none in the San Joaquin River. This was the 5th lowest number of salmon caught during the 1986-2008 period and salmon were captured downstream to the Shiloh Rd. location (RM 3.4). Peak density of salmon caught in the Tuolumne was 2.9 salmon per 1,000 square feet on 18 March. Maximum fork length (FL) in the Tuolumne River increased from 38 mm FL to 84 mm FL from 22 January to 01 April and minimum FL was 33 mm.

Flows during the sampling period ranged from about 160 to 1300 cubic feet per second (cfs) in the Tuolumne River at La Grange and from about 1,500 to 4,500 cfs in the San Joaquin River at Vernalis. Flows in 2008 were relatively low due to below average precipitation.

Water temperature in the Tuolumne ranged from 8.8° C to 19.4° C and in the San Joaquin from 9.1° C to 19.8° C. Conductivity in the Tuolumne River ranged from 30 to 239 μ S and in the San Joaquin from 341 to $1,571~\mu$ S.

A comparative review of fork length and salmon density for the 2003-2008 period is included. Increase in average fork length in 2008 was typical in timing and magnitude to the pattern observed in other years through March. After that, average fork length was highly variable due to low catch numbers and the outmigration of smolts.

Density of fry (\leq 50 mm) peaked on 19 February, about midway in timing to other years of the 2003-2008 period. The density of juveniles (> 50 mm) peaked on 18 March, which was similar in timing to other years in the period. In 2008, the average density of salmon in the Tuolumne River was 1.4 salmon per 1,000 ft², similar to 1992 and 2007.

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1 INTRODUCTION

Stillwater Sciences with assistance from FISHBIO conducted seine studies in the Tuolumne and San Joaquin Rivers in 2008 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 2008 were the progeny of the 2007 fall spawning run, estimated at about 211 fish. This was the 23rd 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 |
|------|-----------------------------|-------------------|
| | <u>Tuolumne River</u> | |
| 1 | Old La Grange Bridge (OLGB) | 50.5 ^a |
| 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 ^b |
| 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 2008 TUOLUMNE AND SAN JOAQUIN RIVER SAMPLING CONDITIONS

Flows released in the Tuolumne River below La Grange Dam were approximately 170 cfs in January when the surveys began. Winter rain runoff events occurred through February and were evident in flows at Modesto. Releases began increasing on 19 April during the spring pulse flow period (Fig. 2). During April and May, there were two pulse flows of about 1,300 cfs. In late May flows began to decrease to about 170 cfs by early June and then to about 75 cfs.

Flows in the San Joaquin River at Vernalis (RM 72.5) ranged from 1,500-4,500 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 8.8 °C (47.8 °F) at Hickman Bridge on 05 February, and the maximum temperature was 19.4 °C (66.9 °F) at Shiloh Road on 27 May (Fig. 3). The lowest San Joaquin River water temperature, 9.1 °C (48.4 °F) was at Gardner Cove on 05 February; the highest was 19.8 °C (67.6°F) at Gardner Cove on 27 May.

2 METHODS

2.1 STUDY TIMING

The 2008 seining study began on 22 January and ended on 27 May. Sampling was done at two-week intervals, with a total of 10 sampling dates.

2.2 SAMPLING METHODS AND DATA RECORDING

Seining was done using 4-ft high, 1/8-inch mesh nylon seine nets in lengths of 20 or 30 feet. 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, 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 198 salmon were caught in the Tuolumne River and 0 in the San Joaquin (Table 1). All salmon were measured and riverwide peak density for the Tuolumne was 2.9 salmon per 1,000 ft² on 18 March.

3.1.1 Density of Fry and Juvenile Salmon

Salmon up to 38 mm fork length (FL) were caught in the Tuolumne River on 22 January in the first sampling period. The highest density of salmon fry in the Tuolumne was 2.4 fry/1,000 ft² found on 19 February (Table 2). The highest density of juvenile salmon in the Tuolumne was 1.8 juveniles/1,000 ft² also found on 18 March.

The density of salmon fry exhibited a peak for most sites from 22 January to 19 February. The density of juveniles generally peaked from 18 March to 01 April for most locations (Fig. 4).

The density of salmon fry in the Tuolumne River peaked in the upper section on 22 January, in the middle section on 19 February and in the lower section on 18 March (Fig. 5).

The density of juveniles peaked in the upper and middle and lower sections on 18 March. 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 85 mm. The average fork length (FL) of salmon generally increased from 22 January to 15 April (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 38 to 84 mm during the 22 January to 01 April period (Fig. 6), indicating a potential FL increase of approximately .66 mm per day (46 mm / 70 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 (Fig. 9). Salmon estimated to be large enough to undergo smoltification (usually > 70 mm FL) were present by 18 March. The first salmon exhibiting smolting characteristics were caught on 01 April. Fry were present through 27 May during the 2008 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 30 μ S at Riffle 5 to a high of 239 μ 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 341 µS at Gardner Cove to a high of 1571 µS at Laird Park.

Turbidity in the Tuolumne River was less than 19.0 Nephelometric Turbidity Units (NTU) except for 3 readings at Hickman (145 NTU), Service Rd.(35.3 NTU) and Shiloh Rd.(43.2 NTU) on 05 February 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 17.3 at Gardner Cove to 53.4 NTU at Laird Park.

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 8 other species in the San Joaquin River. Six of these species were common to both rivers and 16 species were caught overall. Four rainbow trout fry (28-49 mm FL) were caught in the Tuolumne River between 29 April to 13 May at OLGB and R5. The number of fish species caught in the San Joaquin River was again low in comparison to most other years, similar to 2007.

4 COMPARATIVE REVIEW

4.1 SEINE: 1986-2008

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 2008 (198) is the fifth lowest for all years. In 2008, the average density of salmon in the river was 1.4 salmon per 1,000 ft² and was similar to densities found in 1992 and 2007.

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 six other years.

4.1.1 Size and Growth

The comparative review of fork length and density is primarily for the 2003-2008 period in this report. Minimum FL found in 2008 remained low, less than 40 mm FL, through late May (Fig. 11). In 2008, the increase in average FL during the January to March period was similar in timing and magnitude to the pattern observed in the 2003-2008 period (Fig. 12). Beginning in

April the average FL was highly variable due to low numbers of salmon caught and the outmigration of smolts. Maximum FL in 2008 was about average from January to late April (Fig. 13). The estimated 2008 growth rate of .66 mm per day was slightly above average for 1986-2008 (Table 5).

4.1.2 Fry and Juvenile Salmon Density

In 2008, the density of salmon fry (\leq 50 mm) in the Tuolumne River peaked on 19 February at the lowest level for the 2003-2008 period (Fig. 14).

The density of salmon juveniles (>50 mm) in 2008 peaked on 18 March and was also at the lowest level for the same period of years (Fig. 15).

Combined fry and juvenile densities for the Tuolumne River are shown for the years 2003-2008 (Fig. 16). The 2008 densities peaked on 18 March at a very low level.

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 2008, the density of fry peaked during the first survey on 22 January and remained low through March. Upper section density of juveniles typically increases beginning in late February and peaks in early April to late May. In 2008, juvenile salmon density was low throughout the entire survey period with only two caught through May.

Middle section density of fry generally peaks from early February to mid-March similar timing to the upper section. In 2008, the density of fry peaked on 19 February. Middle section density of juveniles often peak from late February to late March. In 2008 juvenile density peaked on 18 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 2003-2008 period. In 2008, only 1 salmon fry was caught in the lower section at Shiloh Rd. on 18 March. Peak density of juveniles ranged from late March (2003, 2004, 2006) to late April (2005) with 1 juvenile captured in 2008 on 18 March and 1 on 15 April.

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 2008 the standardized section abundance indices was highest in the middle section similar to 2006 and 2007.

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 1986-2008

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 2008. 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 1986-2008 period, 509 of which were caught in 1999. No salmon were caught at Gardner Cove in 2008.

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 .71 for the 1986-2008 period (Fig. 20, Table 7). A similar result with R-squared of .76 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 1986-2008 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 2008. Fourteen other species were caught, including 5 native species, in the Tuolumne; 8 fish species, including 3 native, were caught on the San Joaquin River in 2008. The number of species caught in the San Joaquin River was low, similar to last year.

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. Tule perch were caught only in the San Joaquin River. Native species recorded in prior years, but not caught in either river in 2008, were Pacific lamprey, Sacramento blackfish, hitch, Sacramento splittail, and prickly sculpin.

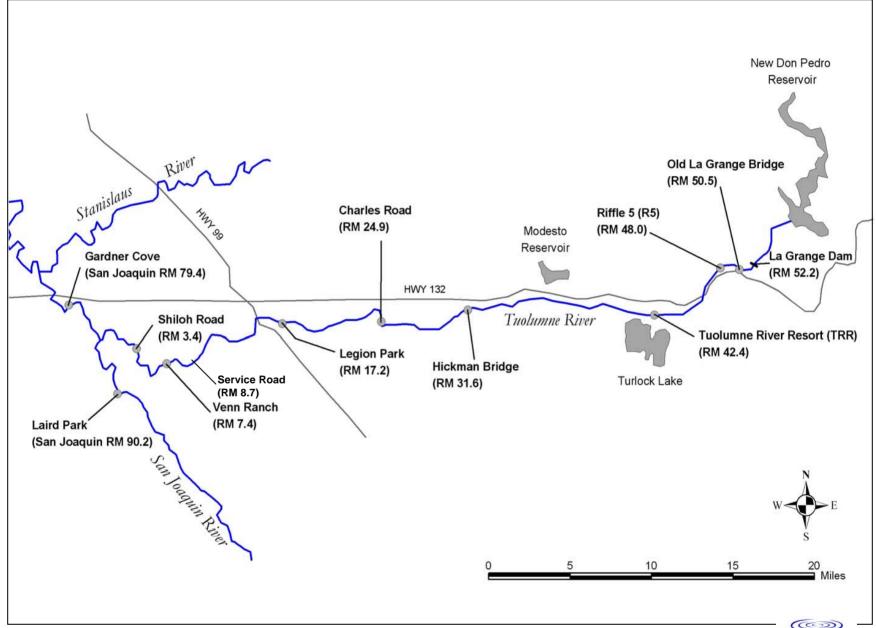
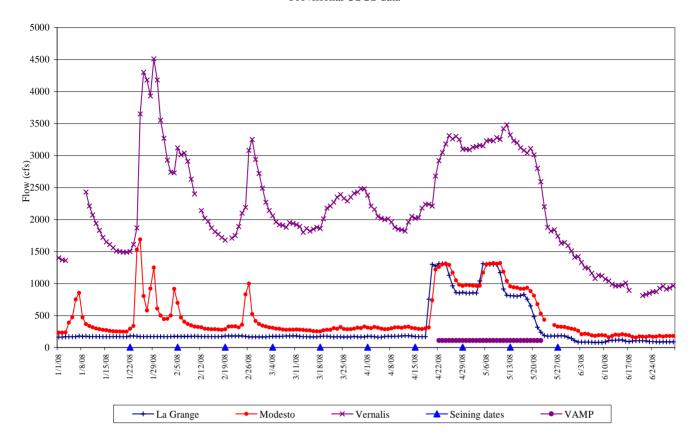


Figure 1. Locations of seine sampling sites on the lower Tuolumne and San Joaquin Rivers, 2008.





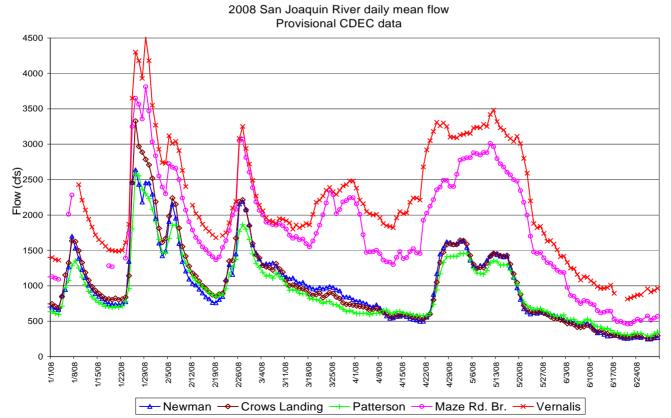


Figure 2. Tuolumne and San Joaquin River daily average flow.

2008 TUOLUMNE AND SAN JOAQUIN RIVER WATER TEMPERATURE

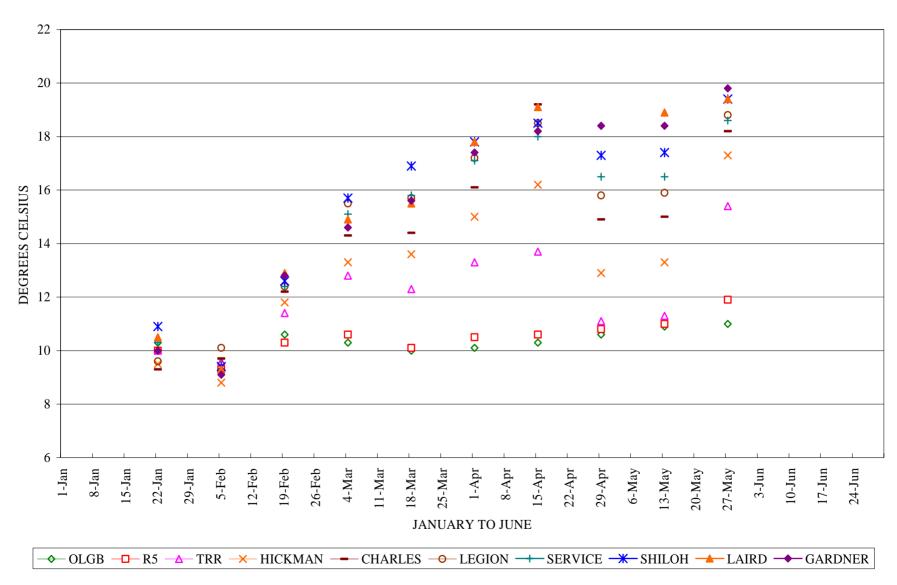
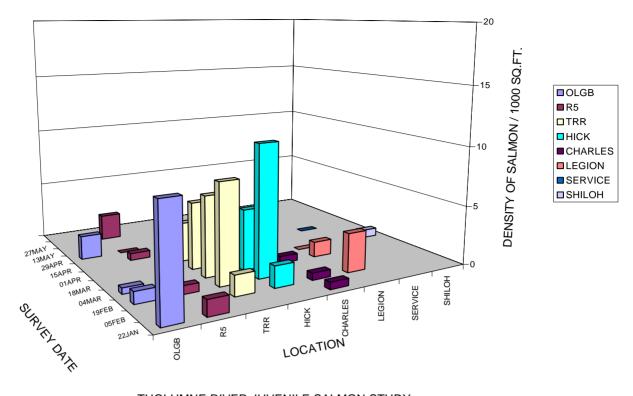


Figure 3. 2008 San Joaquin and Tuolumne River water temperature.



TUOLUMNE RIVER JUVENILE SALMON STUDY 2008 SEINING - DENSITY OF JUVENILES BY LOCATION

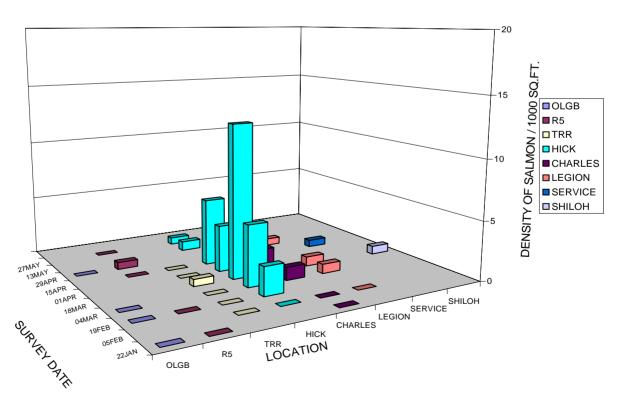


Figure 4. Tuolumne River density of fry and juvenile salmon by location.

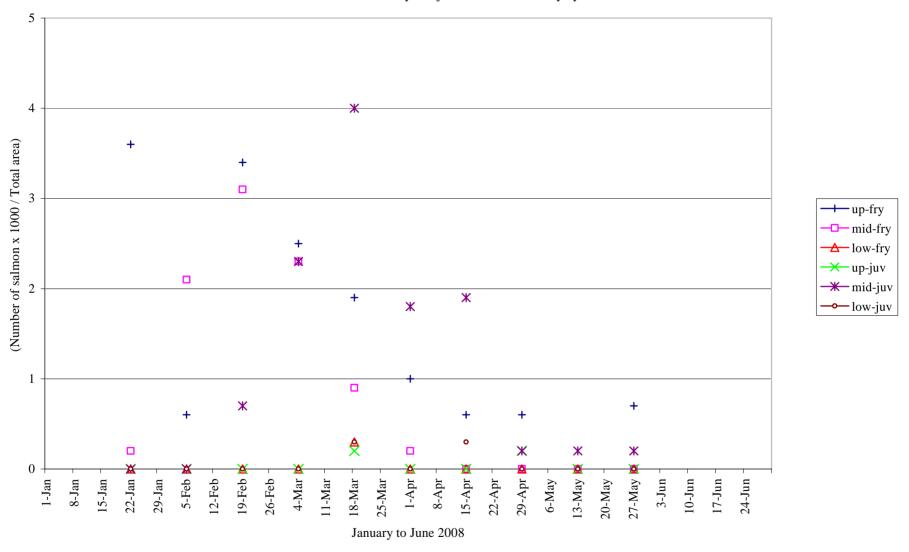


Figure 5. 2008 Tuolumne River fry and juvenile salmon density by section.

2008 TUOLUMNE RIVER JUVENILE SALMON SEINING STUDY

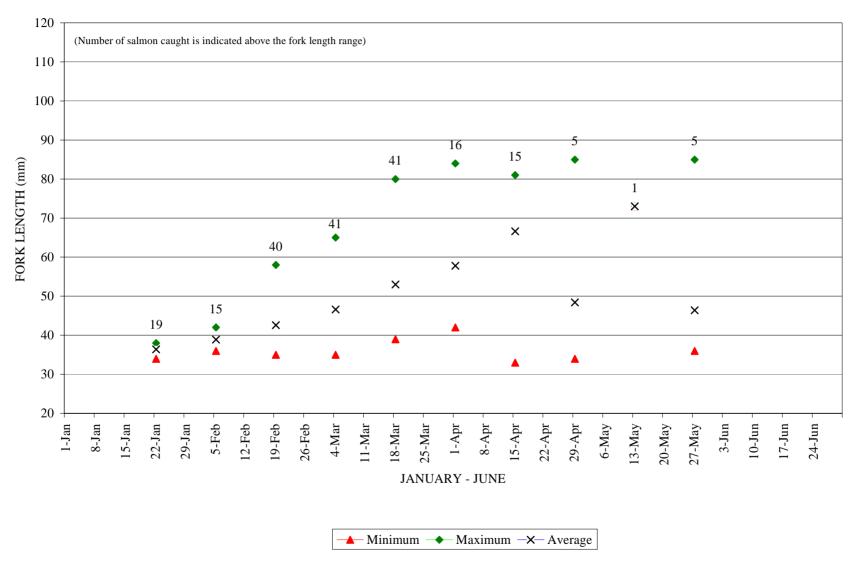


Figure 6. Fork length ranges of wild salmon in the Tuolumne River, 2008.

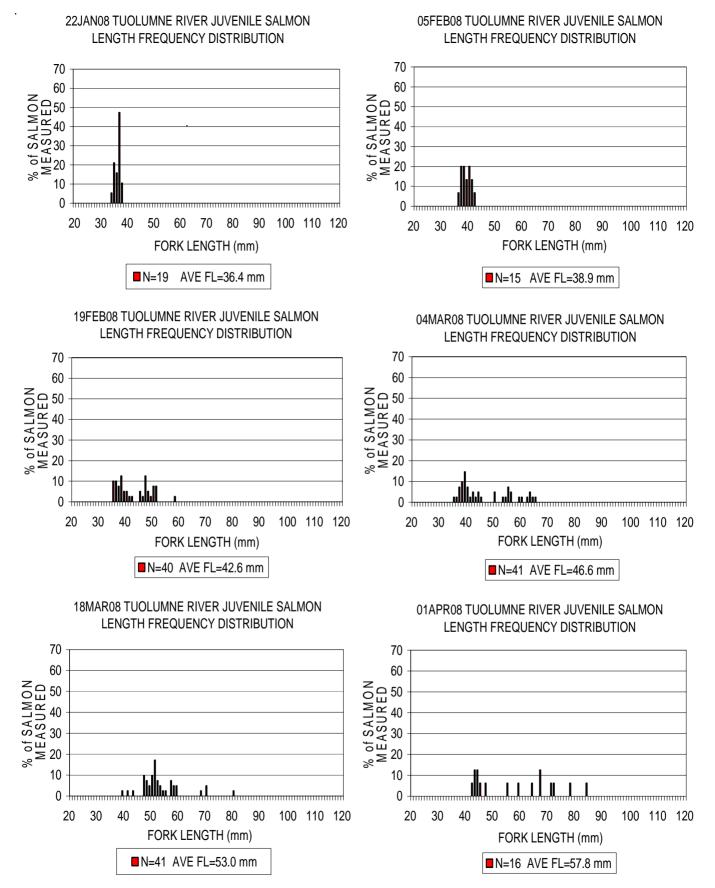


Figure 7. Length frequency distribution by date of salmon in the Tuolumne River, 2008.

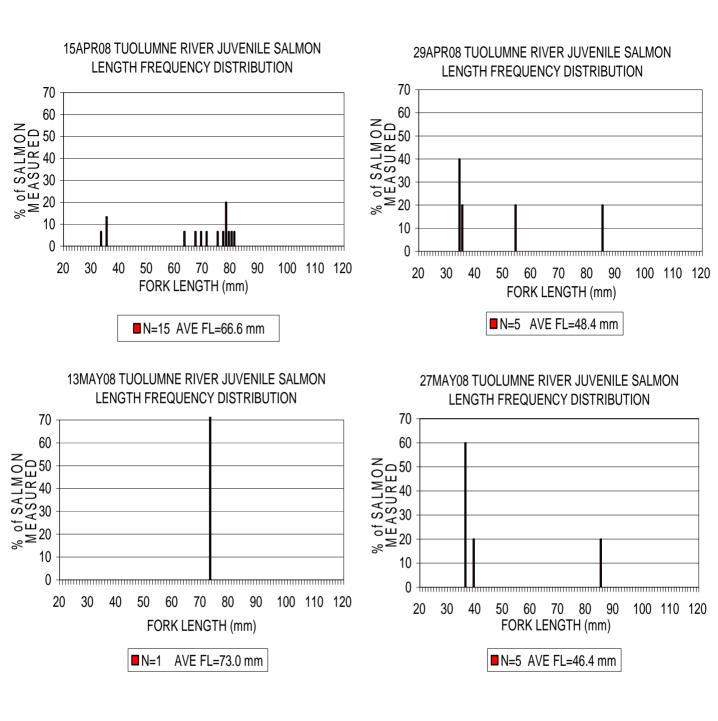
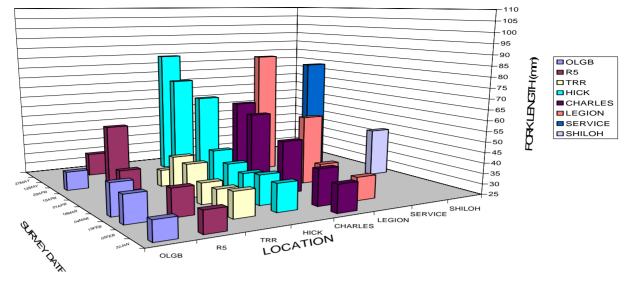
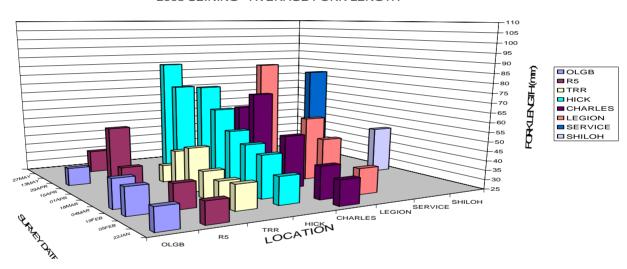


Figure 8. Length frequency distribution by date of salmon in the Tuolumne River, 2008.

TUOLUMNE RIVER JUVENILE SALMON STUDY 2008 SEINING - MINIMUM FORK LENGTH



TUOLUMNE RIVER JUVENILE SALMON STUDY 2008 SEINING - AVERAGE FORK LENGTH



TUOLUMNE RIVER JUVENILE SALMON STUDY 2008 SEINING - MAXIMUM FORK LENGTH

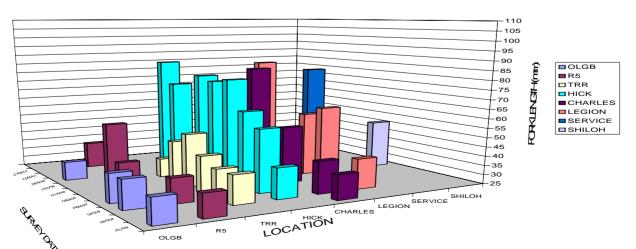
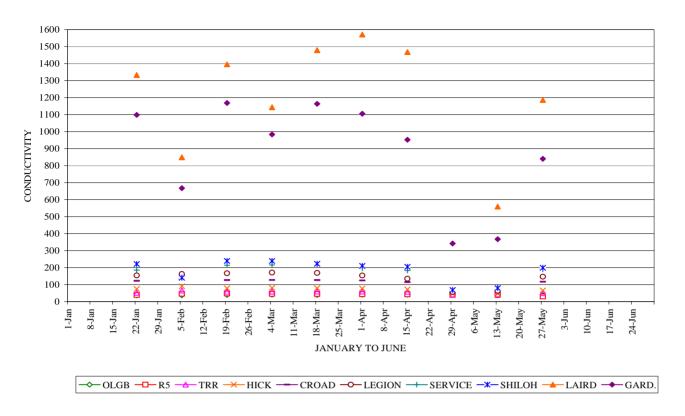


Figure 9. Minimum, average, and maximum fork length by location and survey period, 2008.

TUOLUMNE AND SAN JOAQUIN RIVERS 2008 CONDUCTIVITY



TUOLUMNE AND SAN JOAQUIN RIVERS 2008 TURBIDITY

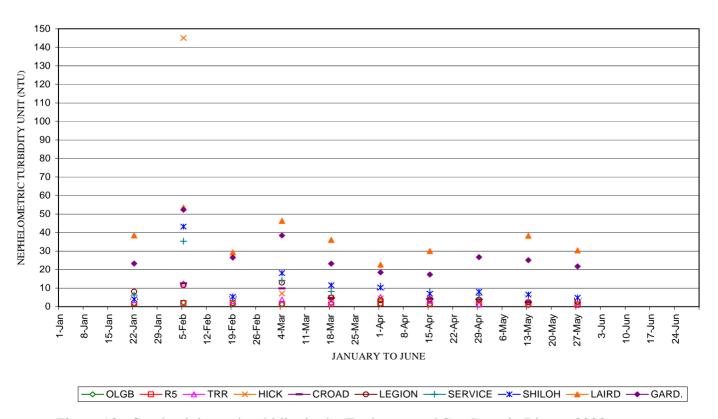
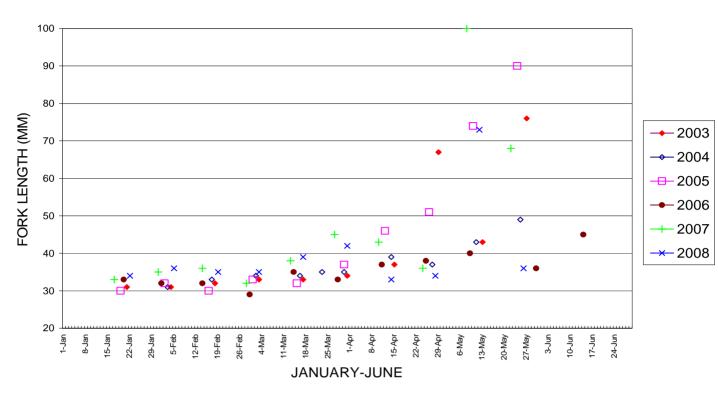
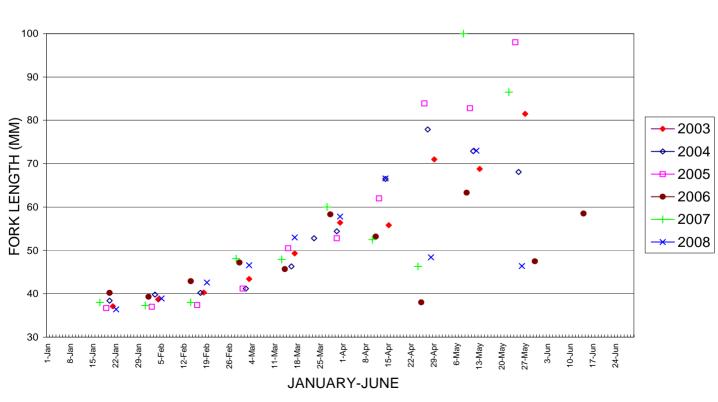


Figure 10. Conductivity and turbidity in the Tuolumne and San Joaquin Rivers, 2008

2003-2008 TUOLUMNE RIVER SEINING MINIMUM SALMON FORK LENGTH

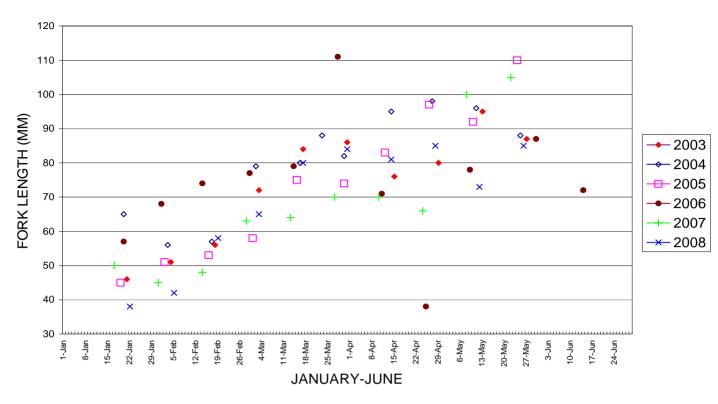


2003-2008 TUOLUMNE RIVER SEINING AVERAGE SALMON FORK LENGTH

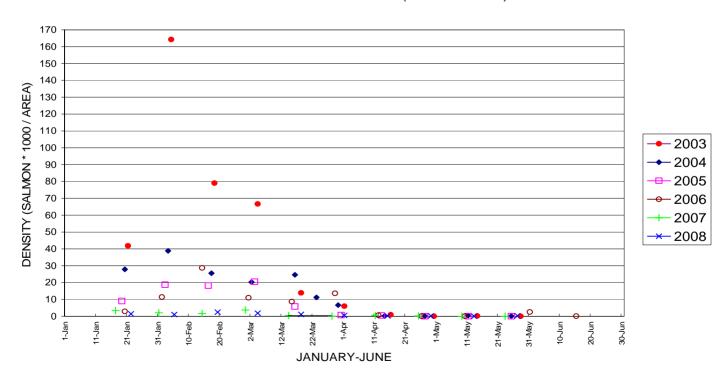


Figures 11 & 12. Minimum and average fork lengths of Tuolumne River salmon, 2003-2008.

2003-2008 TUOLUMNE RIVER SEINING MAXIMUM SALMON FORK LENGTH

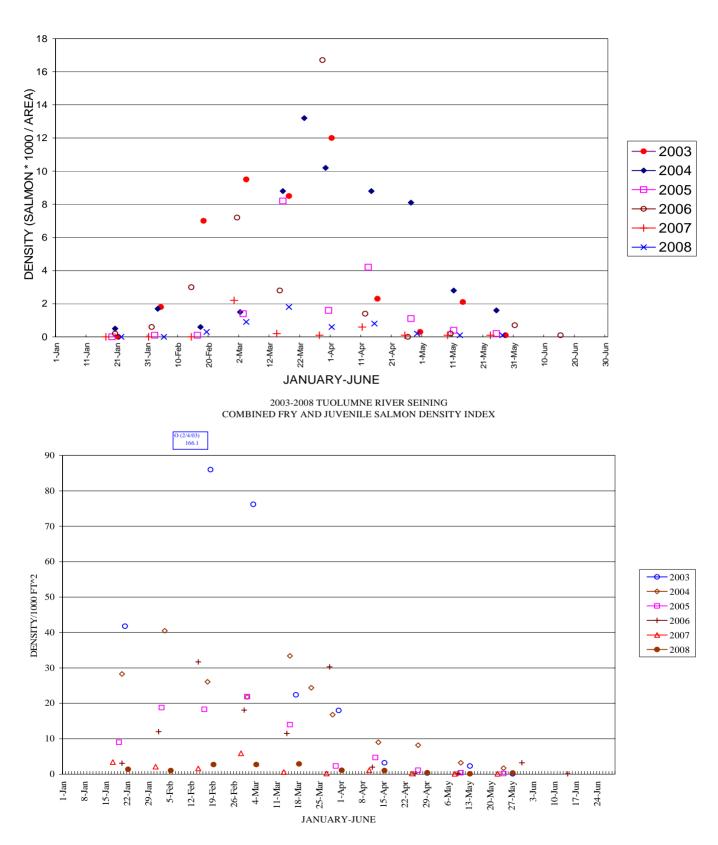


2003-2008 TUOLUMNE RIVER SEINING DENSITY OF SALMON FRY (< OR = 50 mm)



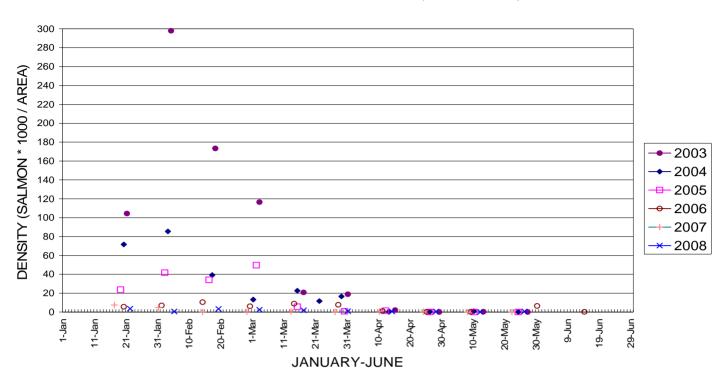
Figures 13 & 14. Maximum fork length and Density index of salmon fry, 2003-2008.

2003-2008 TUOLUMNE RIVER SEINING DENSITY OF SALMON JUVENILES (> 50 mm)



Figures 15 & 16. Density index of salmon juveniles and total river salmon catch, 2003-2008.

2003-2008 TUOLUMNE RIVER SEINING UPPER SECTION SALMON FRY (< OR = 50MM)



2003-2008 TUOLUMNE RIVER SEINING UPPER SECTION SALMON JUVENILES (>50MM)

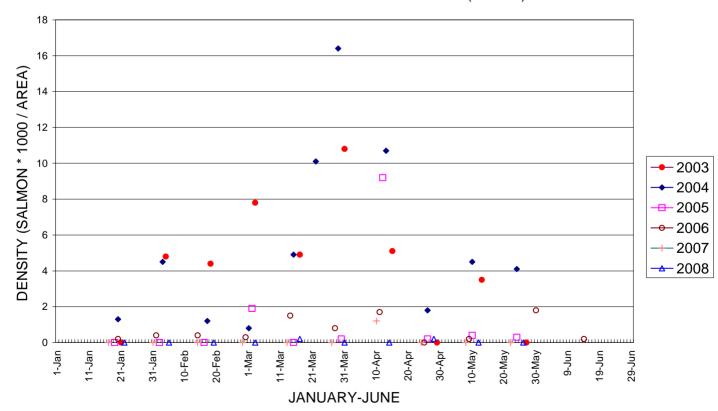


Figure 17. Upper section density indices for salmon fry and juveniles, 2003-2008

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2003-2008 TUOLUMNE RIVER SEINING MIDDLE SECTION SALMON FRY(< OR = 50MM)

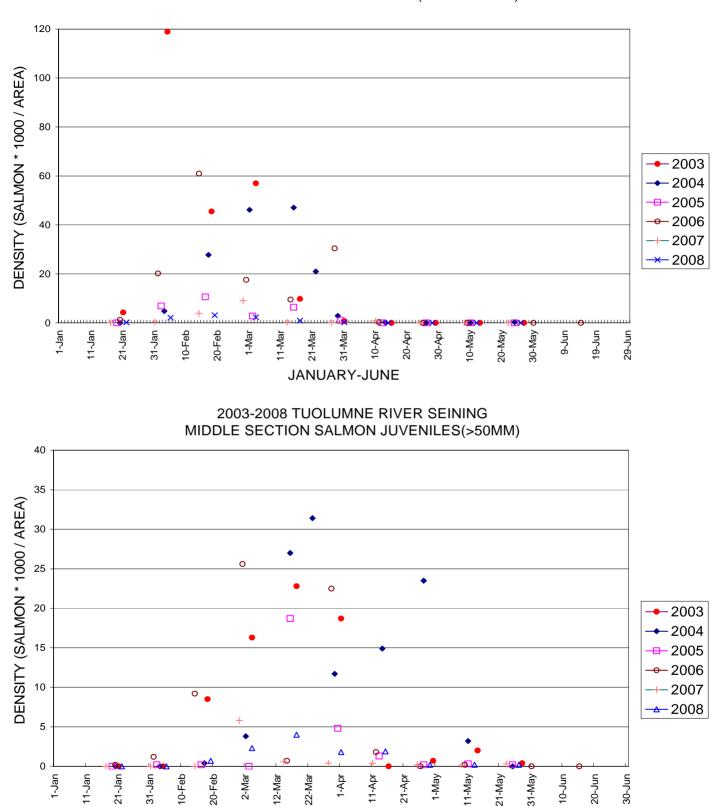


Figure 17. Middle section density indices for salmon fry and juveniles, 2003-2008.

JANUARY-JUNE

2003-2008 TUOLUMNE RIVER SEINING LOWER SECTION SALMON FRY(< OR = 50MM)

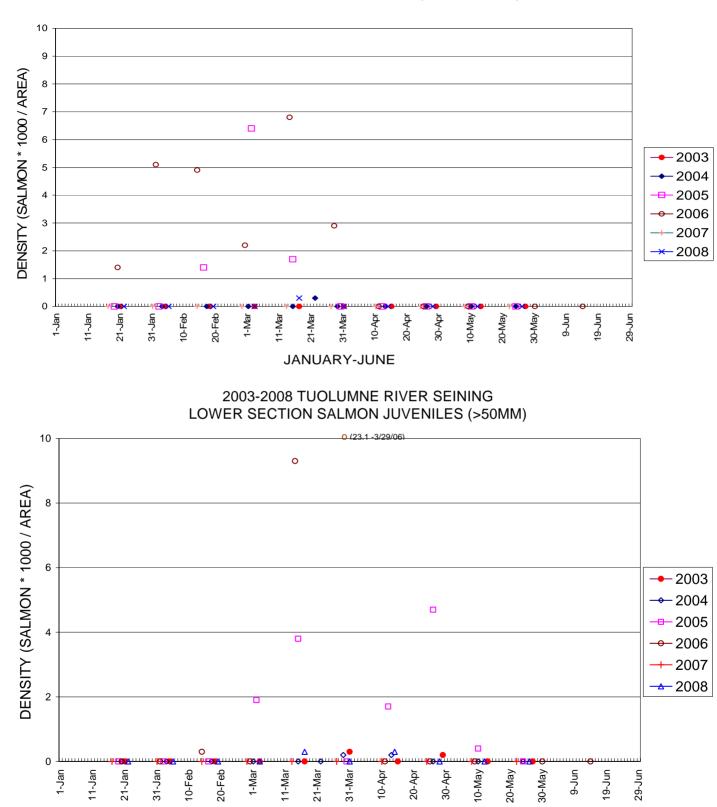


Figure 17. Lower section density indices for salmon fry and juveniles, 2003-2008.

JANUARY-JUNE

TUOLUMNE RIVER ABUNDANCE INDICES STANDARDIZED BY SECTION

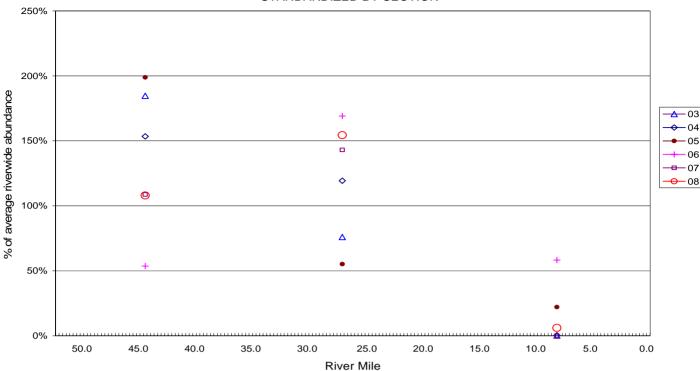


Figure 18. Tuolumne River abundance indices standardized by section, 2003-2008.

San Joaquin River Abundance Indices by Location

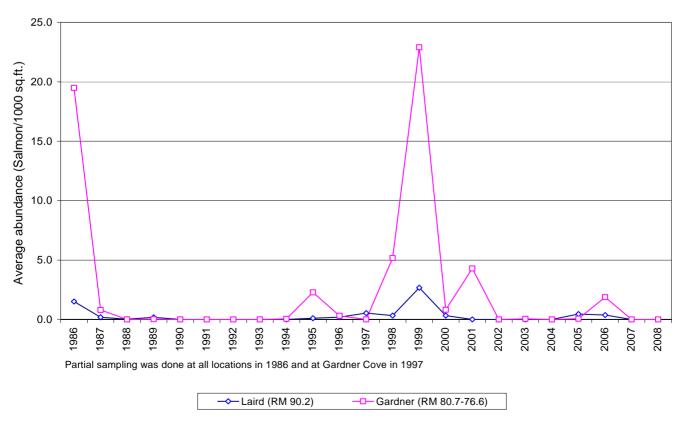


Figure 19. San Joaquin River abundance indices by location, 1986-2008.

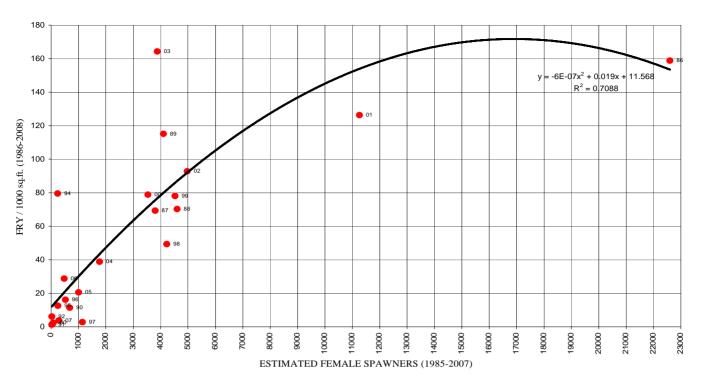
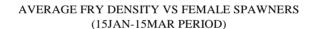


Figure 20. Tuolumne River peak fry density vs female spawners.



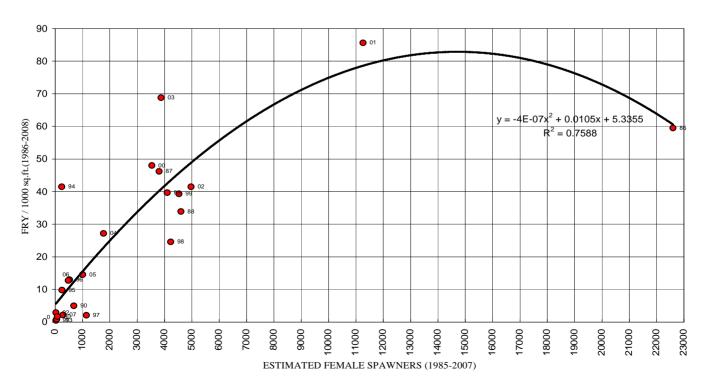


Figure 21. Tuolumne River average fry density vs female spawners.

Table 1. Summary table of weekly seine catch for the Tuolumne and San Joaquin rivers 2008 JUVENILE SALMON SEINING STUDY (TID/MID)

TUOLUMNE RIVER

| | SALMON | AREA | DENSITY | MINIMUM | MAXIMUM A | VERAGE | NUMBER | ļ | NUMBER |
|--------|--------|-----------|--------------|---------|-----------|--------|--------|--------|--------|
| DATE | CATCH | (SQ. FT.) | (/1000 ft^2) | FL | FL | FL | MEAS. | SACFRY | KILLED |
| 22JAN | 19 | 13,300 | 1.4 | 34 | 38 | 36.4 | 19 | 0 | 2 |
| 05FEB | 15 | 14,350 | 1.0 | 36 | 42 | 38.9 | 15 | 0 | 0 |
| 19FEB | 40 | 14,750 | 2.7 | 35 | 58 | 42.6 | 40 | 0 | 2 |
| 04MAR | 41 | 15,000 | 2.7 | 35 | 65 | 46.6 | 41 | 0 | 2 |
| 18MAR | 41 | 14,150 | 2.9 | 39 | 80 | 53.0 | 41 | 0 | 0 |
| 01APR | 16 | 14,500 | 1.1 | 42 | 84 | 57.8 | 16 | 0 | 0 |
| 15APR | 15 | 14,700 | 1.0 | 33 | 81 | 66.6 | 15 | 0 | 0 |
| 29APR | 5 | 12,600 | 0.4 | 34 | 85 | 48.4 | 5 | 0 | 0 |
| 13MAY | 1 | 13,100 | 0.1 | 73 | 73 | 73.0 | 1 | 0 | 0 |
| 27MAY | 5 | 14,400 | 0.3 | 36 | 85 | 46.4 | 5 | 0 | 0 |
| TOTAL: | 198 | 140,850 | 1.4 | | | | 198 | 0 | 6 |

SAN JOAQUIN RIVER

| | SALMON | AREA | DENSITY | MINIMUM | MAXIMUM AVE | RAGE | NUMBER | | NUMBER |
|--------|--------|-----------|--------------|---------|-------------|------|--------|--------|--------|
| DATE | CATCH | (SQ. FT.) | (/1000 ft^2) | FL | FL | FL | MEAS. | SACFRY | KILLED |
| 22JAN | 0 | 2,600 | 0.0 | | | | | | |
| 05FEB | 0 | 2,300 | 0.0 | | | | | | |
| 19FEB | 0 | 3,000 | 0.0 | | | | | | |
| 04MAR | 0 | 3,000 | 0.0 | | | | | | |
| 18MAR | 0 | 2850 | 0.0 | | | | | | |
| 01APR | 0 | 3,300 | 0.0 | | | | | | |
| 15APR | 0 | 2,950 | 0.0 | | | | | | |
| 29APR | 0 | 1,800 | 0.0 | | | | | | |
| 13MAY | 0 | 3,000 | 0.0 | | | | | | |
| 27MAY | 0 | 3,300 | 0.0 | | | | | | |
| TOTAL: | 0 | 28.100 | 0.0 | | | | | | |

Table 2. Summary table of weekly seine catch by location for the Tuolumne and San Joaquin Rivers, 2008

| Table 2. | Summary | labic (| | , | | | | | | | • | , | | | |
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-----|-------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------|
| 2008 Week | y Summary o | of TID/MID | Seining | Study | | | | | | EXTRAPOLA | TED | | | | |
| Salmon Der | nsity is the Nu | umber of S | Salmon / | 1000 sq. ft. | | | | | - | UPPER | MIDDLE | | UPPER | MIDDLE | LOWER |
| | | T 1 | | | | Extrapola | | D | | SECTION | | | SECTION | SECTION | |
| Date | Location | Total Catch | Area | Fry | Measured Juvenile | | Juvenile | Total | Average FL | Density Fry | Density Fry | Density Fry | Density Juvenile | Density Juvenile | Density Juvenile |
| 22JAN | OLGB | 16 | 1,800 | 16 | 0 | 8.9 | 0.0 | 8.9 | 36.3 | 3.6 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22JAN | R5 | 2 | 1,600 | 2 | 0 | 1.3 | 0.0 | 1.3 | 36.0 | | | | | | |
| 22JAN | TRR HICKMAN | 0 | 1,650 | | | | | 0.0 | | | | | | | |
| | CHARLES | 1 | 1,350 1,650 | 1 | 0 | 0.6 | 0.0 | 0.6 | 38.0 | | | | | | |
| 22JAN | LEGION | 0 | 1,650 | | | | | 0.0 | | | | | | | |
| | SERVICE | 0 | 1,800 | | | | | 0.0 | | | | | | | |
| 22JAN 22JAN | SHILOH LAIRD | 0 | 1,800 800 | | | | | 0.0 | | | | | | | |
| | GARDNER | 0 | 1,800 | | | | | 0.0 | | | | | | | |
| TUOL.TOT. | | 19 | 13300 | 19 | 0 | 1.4 | 0.0 | 1.4 | 36.4 | | | | | | |
| SJR. TOT. | | 0 | 2600 | 0 | 0 | | | 0.0 | | | | | | | |
| 2008 Week | y Summary o | f TID/MIC |) Seining | Study | | | | | | EXTRAPOLA | TED | | | | |
| | nsity is the Nu | | | | | | | | = | UPPER | MIDDLE | LOWER | UPPER | MIDDLE | LOWER |
| | . , | | | | | Extrapola | | | | SECTION | | SECTION | SECTION | SECTION | SECTION |
| | | Total | _ | | Measured | | | | Average | Density | Density | Density | Density | Density | Density |
| Date 05FEB | Location OLGB | Catch 0 | Area 1800 | Fry | Juvenile | Fry | Juvenile | Total 0.0 | FL | Fry 0.6 | Fry 2.1 | Fry 0.0 | Juvenile 0.0 | Juvenile 0.0 | Juvenile 0.0 |
| 05FEB | R5 | 0 | 1500 | | | | | 0.0 | | 0.0 | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 05FEB | TRR | 3 | 1800 | 3 | 0 | 1.7 | 0.0 | 1.7 | 38.0 | | | | | | |
| | HICKMAN | 3 | 1650 | 3 | 0 | 1.8 | 0.0 | 1.8 | 39.3 | | | | | | |
| 05FEB | CHARLES LEGION | 1 8 | 1800 2400 | 1 8 | 0 | 0.6 3.3 | 0.0 | 0.6 3.3 | 42.0 38.6 | | | | | | |
| | SERVICE | 0 | 1800 | · | Ū | 0.0 | 0.0 | 0.0 | 00.0 | | | | | | |
| 05FEB | SHILOH | 0 | 1600 | | | | | 0.0 | | | | | | | |
| 05FEB | LAIRD GARDNER | 0 | 700 1600 | | | | | 0.0 | | | | | | | |
| TUOL.TOT. | GARDNER | 15 | 14350 | 15 | 0 | 1.0 | 0.0 | 1.0 | 38.9 | | | | | | |
| SJR. TOT. | | 0 | | | | | | | | | | | | | |
| 0011. | | U | 2300 | | | | | 0.0 | | | | | | | |
| | h Cummon o | | | Ctudu | | | | 0.0 | | EVTDADOLA | TED | | | | |
| 2008 Week | y Summary o | of TID/MID | Seining | | | | | 0.0 | = | EXTRAPOLA LIPPER | | LOWER | LIPPER | MIDDI F | LOWER |
| 2008 Week | y Summary on sity is the Nu | of TID/MID | Seining | | | Extrapola | ited | 0.0 | = | EXTRAPOLA UPPER SECTION | MIDDLE | LOWER SECTION | UPPER SECTION | MIDDLE SECTION | LOWER SECTION |
| 2008 Week | nsity is the Nu | of TID/MID umber of \$ Total | Seining Salmon / | 1000 sq. ft. Measured | Measured | Density | Density | Density | Average | UPPER SECTION Density | MIDDLE SECTION Density | SECTION Density | SECTION Density | SECTION Density | SECTION Density |
| 2008 Weekl Salmon Der | nsity is the Nu | of TID/MID umber of S Total Catch | Seining Salmon / Area | 1000 sq. ft. Measured Fry | Measured Juvenile | Density Fry | Density Juvenile | Density Total | Average FL | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB | Location OLGB | of TID/MID umber of S Total Catch 2 | Seining Salmon / Area 2000 | 1000 sq. ft. Measured Fry 2 | Measured Juvenile 0 | Density Fry 1.0 | Density Juvenile 0.0 | Density Total 1.0 | Average FL 39.0 | UPPER SECTION Density | MIDDLE SECTION Density | SECTION Density | SECTION Density | SECTION Density | SECTION Density |
| 2008 Weekl Salmon Der | nsity is the Nu | of TID/MID umber of S Total Catch | Seining Salmon / Area | 1000 sq. ft. Measured Fry | Measured Juvenile | Density Fry | Density Juvenile | Density Total | Average FL | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN | of TID/MIE umber of S Total Catch 2 1 15 22 | Area 2000 1500 1800 1650 | 1000 sq. ft. Measured Fry 2 1 | Measured Juvenile 0 0 | Density Fry 1.0 0.7 | Density Juvenile 0.0 0.0 | Density Total 1.0 0.7 8.3 13.3 | Average FL 39.0 38.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Week Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN CHARLES | of TID/MID umber of \$ Total Catch 2 1 15 22 0 | Area 2000 1500 1800 1800 1800 | 1000 sq. ft. Measured Fry 2 1 15 | Measured Juvenile 0 0 0 | Pry 1.0 0.7 8.3 | Density Juvenile 0.0 0.0 0.0 | Density Total 1.0 0.7 8.3 13.3 0.0 | Average FL 39.0 38.0 36.6 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN CHARLES LEGION | of TID/MID umber of S Total Catch 2 1 15 22 0 | Area 2000 1500 1800 1650 1800 2400 | 1000 sq. ft. Measured Fry 2 1 15 | Measured Juvenile 0 0 0 | Pry 1.0 0.7 8.3 | Density Juvenile 0.0 0.0 0.0 | Density Total 1.0 0.7 8.3 13.3 0.0 | Average FL 39.0 38.0 36.6 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weeki Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH | of TID/MID umber of \$ Total Catch 2 1 15 22 0 0 0 | Area 2000 1500 1800 1800 1800 1800 1800 | 1000 sq. ft. Measured Fry 2 1 15 | Measured Juvenile 0 0 0 | Pry 1.0 0.7 8.3 | Density Juvenile 0.0 0.0 0.0 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 | Average FL 39.0 38.0 36.6 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Week! Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD | of TID/MIE umber of \$ Total Catch 2 1 15 22 0 0 0 0 | Area 2000 1500 1800 2400 1800 1800 1200 | 1000 sq. ft. Measured Fry 2 1 15 | Measured Juvenile 0 0 0 | Pry 1.0 0.7 8.3 | Density Juvenile 0.0 0.0 0.0 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 | Average FL 39.0 38.0 36.6 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH | of TID/MID umber of \$ Total Catch 2 1 15 22 0 0 0 0 0 0 | Area 2000 1500 1800 2400 1800 1200 1800 1800 | 1000 sq. ft. Measured Fry 2 1 15 18 | Measured Juvenile 0 0 4 | Density Fry 1.0 0.7 8.3 10.9 | Density Juvenile 0.0 0.0 0.0 2.4 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 | Average FL 39.0 38.0 36.6 47.2 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Week! Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD | of TID/MIE umber of \$ Total Catch 2 1 15 22 0 0 0 0 | Area 2000 1500 1800 2400 1800 1800 1200 | 1000 sq. ft. Measured Fry 2 1 15 | Measured Juvenile 0 0 0 | Pry 1.0 0.7 8.3 | Density Juvenile 0.0 0.0 0.0 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 | Average FL 39.0 38.0 36.6 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | of TID/MIE umber of \$ Total Catch 2 1 15 22 0 0 0 0 40 0 | Area 2000 1800 1800 2400 1800 1200 1800 3000 | 1000 sq. ft. Measured Fry 2 1 15 18 | Measured Juvenile 0 0 0 4 | Density Fry 1.0 0.7 8.3 10.9 | Density Juvenile 0.0 0.0 0.0 2.4 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 2.7 | Average FL 39.0 38.0 36.6 47.2 | UPPER SECTION Density Fry 3.4 | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | of TID/MIE umber of \$ Total Catch 2 1 15 22 0 0 0 0 40 0 of TID/MIE | Area 2000 1500 1800 1800 1800 1800 1800 1800 1 | Measured Fry 2 1 1 15 15 18 18 36 0 Study | Measured Juvenile 0 0 0 4 | Density Fry 1.0 0.7 8.3 10.9 | Density Juvenile 0.0 0.0 0.0 2.4 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 2.7 | Average FL 39.0 38.0 36.6 47.2 | UPPER SECTION Density Fry 3.4 | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 | SECTION Density Juvenile 0.7 | SECTION Density Juvenile 0.0 |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | of TID/MIE umber of \$ Total Catch 2 1 15 22 0 0 0 0 40 0 of TID/MIE | Area 2000 1500 1800 1800 1800 1800 1800 1800 1 | Measured Fry 2 1 1 15 15 18 18 36 0 Study | Measured Juvenile 0 0 4 4 | Density Fry 1.0 0.7 8.3 10.9 | Density Juvenile 0.0 0.0 0.0 2.4 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 2.7 | Average FL 39.0 38.0 36.6 47.2 | UPPER SECTION Density Fry 3.4 | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 | SECTION Density Juvenile 0.7 | SECTION Density Juvenile 0.0 |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | of TID/MIE umber of \$ Total Catch 2 1 15 22 0 0 0 0 40 0 of TID/MIE | Area 2000 1500 1800 1800 1800 1800 1800 1800 1 | 1000 sq. ft. Measured Fry 2 1 15 18 36 0 Study 1000 sq. ft. | Measured Juvenile 0 0 0 4 | Density Fry 1.0 0.7 8.3 10.9 | Density Juvenile 0.0 0.0 0.0 2.4 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 2.7 0.0 | Average FL 39.0 38.0 36.6 47.2 | UPPER SECTION Density Fry 3.4 | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density | SECTION Density Juvenile 0.0 | SECTION Density Juvenile 0.7 | SECTION Density Juvenile 0.0 |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. | Location OLGB R5 R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER y Summary of sity is the Nu | of TID/MID umber of \$ Total Catch 2 1 15 22 0 0 0 0 0 40 0 of TID/MID umber of \$ Total Catch | O Seining Salmon / Area 2000 1500 1800 1800 2400 1800 1800 1200 1800 0 Seining Salmon / Area | Measured Fry 2 1 15 18 36 0 Study 1000 sq. ft. Measured Fry Erstell Fry Research Fr | Measured Juvenile 0 0 4 4 0 Measured Juvenile | Density Fry 1.0 0.7 8.3 10.9 2.4 Extrapole Density Fry | Density Juvenile 0.0 0.0 0.0 2.4 0.3 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Density Total | Average FL 39.0 38.0 36.6 47.2 42.6 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. 2008 Weekl Salmon Der | Location OLGB TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER V Summary consity is the Nu | of TID/MIL umber of \$ Total Catch 15 22 0 0 0 0 0 40 0 of TID/MIL umber of \$ Total Catch Total Catch Total Catch Total Catch | Area 2000 1800 1800 1800 1800 1800 1800 1800 | Measured Fry 2 1 1 15 18 18 36 0 Study 1000 sq. ft. | Measured Juvenile 0 0 0 4 4 | Pensity Fry 1.0 0.7 8.3 10.9 2.4 | Density Juvenile 0.0 0.0 0.0 2.4 0.3 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 | Average FL 39.0 38.0 36.6 47.2 42.6 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density | SECTION Density Juvenile 0.0 UPPER SECTION Density | SECTION Density Juvenile 0.7 | SECTION Density Juvenile 0.0 |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. | Location OLGB R5 R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER y Summary of sity is the Nu | of TID/MID umber of \$ Total Catch 2 1 15 22 0 0 0 0 0 40 0 of TID/MID umber of \$ Total Catch | O Seining Salmon / Area 2000 1500 1800 1800 2400 1800 1800 1200 1800 0 Seining Salmon / Area | Measured Fry 2 1 15 18 36 0 Study 1000 sq. ft. Measured Fry Erstell Fry Research Fr | Measured Juvenile 0 0 4 4 0 Measured Juvenile | Density Fry 1.0 0.7 8.3 10.9 2.4 Extrapole Density Fry | Density Juvenile 0.0 0.0 0.0 2.4 0.3 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 Density Total | Average FL 39.0 38.0 36.6 47.2 42.6 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. 2008 Weekl Salmon Der Date 04MAR 04MAR 04MAR 04MAR | Location OLGB RS TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION L | of TID/MIL umber of \$ Total Catch 15 22 0 0 0 0 0 0 40 0 f TID/MIL umber of \$ Total Catch 1 0 1 2 2 20 | Area 2000 1800 1800 2400 1800 1800 2400 3000 Seining Salmon / Area 2000 1450 1800 1450 1800 1950 | Measured Fry 2 11 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 10 | Extrapolar Density Fry 1.00 0.7 8.3 10.9 2.4 Extrapolar Density Fry 0.5 6.7 5.1 | Density Juvenile 0.0 0.0 0.0 2.4 0.3 tted Density Juvenile 0.0 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 0.0 | Average FL 39.0 38.0 47.2 42.6 Average FL 40.0 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. 2008 Weekl Salmon Der Date 04MAR 04MAR 04MAR 04MAR 04MAR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION OLGB R5 TRR HICKMAN CHARLES | of TID/MID umber of \$ Total Catch 155 222 0 0 0 0 0 0 f TID/MID umber of \$ Total Catch 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Area 2000 1800 1800 2400 1800 2400 1800 2405 1800 2405 1800 1800 14750 3000 14750 3000 1450 1800 1950 1800 | 1000 sq. ft. Measured Fry 2 1 1 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 1 12 10 10 1 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 | 2.4 Extrapole Density Fry 1.0 0.7 8.3 10.9 2.4 Extrapole 0.5 6.7 5.1 0.6 | Density Juvenile | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 0.0 6.7 10.3 1.7 | Average FL 40.0 Average FL 40.0 Average FL 40.0 Second FL 40.0 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. 2008 Weekl Salmon Der Date 04MAR 04MAR 04MAR 04MAR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION US SHILOH LAIRD GARDNER LOCATION US SHILOH LOCATION CHARLES LEGION LOCATION CHARLES LEGION LOCATION CHARLES LEGION LOCATION CHARLES LEGION | of TID/MID umber of \$ Total Catch 2 1 15 22 0 0 0 0 0 40 0 of TID/MID umber of \$ Total Catch 1 0 0 12 20 3 5 | O Seining Salmon / Area 2000 1500 1800 1800 1800 1800 1800 14750 3000 O Seining Salmon / Area 2000 1450 1800 1450 1800 1450 1800 1450 1800 1950 1800 1950 1800 1950 1800 1950 1800 1950 1800 2400 | 1000 sq. ft. Measured Fry 2 1 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 12 10 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 10 | Extrapolar Density Fry 1.00 0.7 8.3 10.9 2.4 Extrapolar Density Fry 0.5 6.7 5.1 | Density Juvenile 0.0 0.0 2.4 0.3 tted Density Juvenile 0.0 0.3 | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 0.0 6.7 10.3 1.7 2.1 | Average FL 39.0 38.0 47.2 42.6 Average FL 40.0 38.7 50.1 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. 2008 Weekl Salmon Der Date 04MAR 04MAR 04MAR 04MAR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION OLGB R5 TRR HICKMAN CHARLES | of TID/MID umber of \$ Total Catch 155 222 0 0 0 0 0 0 f TID/MID umber of \$ Total Catch 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Area 2000 1800 1800 2400 1800 2400 1800 2405 1800 2405 1800 1800 14750 3000 14750 3000 1450 1800 1950 1800 | 1000 sq. ft. Measured Fry 2 1 1 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 1 12 10 10 1 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 | 2.4 Extrapole Density Fry 1.0 0.7 8.3 10.9 2.4 Extrapole 0.5 6.7 5.1 0.6 | Density Juvenile | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 0.0 6.7 10.3 1.7 | Average FL 40.0 Average FL 40.0 Average FL 40.0 Second FL 40.0 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TUOL.TOT. SJR. TOT. 2008 Weekl Salmon Der O4MAR 04MAR 04MAR 04MAR 04MAR 04MAR 04MAR 04MAR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION USEN TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD CHARLES LEGION SERVICE SHILOH LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD | of TID/MID umber of \$ Total Catch 1 15 22 0 0 0 0 40 0 of TID/MID umber of \$ Total Catch 1 0 12 20 3 5 0 0 0 0 | O Seining Salmon / Area 2000 1500 1800 1800 1800 1800 14750 3000 O Seining Salmon / Area 2000 1800 14750 1800 1800 1450 1800 1450 1800 1800 1800 1800 1800 1800 1800 18 | 1000 sq. ft. Measured Fry 2 1 1 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 1 12 10 10 1 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 | 2.4 Extrapole Density Fry 1.0 0.7 8.3 10.9 2.4 Extrapole 0.5 6.7 5.1 0.6 | Density Juvenile | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 0.0 6.7 10.3 1.7 2.1 0.0 0.0 0.0 0.0 | Average FL 40.0 Average FL 40.0 Average FL 40.0 Second FL 40.0 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 04MAR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION OLGB R5 TRR HICKMAN CHARLES LEGION LAIRD GARDNER | of TID/MIL umber of \$ Total Catch 15 22 0 0 0 0 0 0 f TID/MIL umber of \$ Total Catch 1 0 12 20 3 5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Area 2000 1800 1800 2400 0 Seining Salmon / Area 2000 1800 1800 1800 1800 1800 1800 1800 | 1000 sq. ft. Measured Fry 2 1 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 12 10 1 3 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 10 2 2 | Extrapolal Extrapolal Fry 0.5 6.7 5.1 0.6 1.3 | Density Juvenile | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 2.7 0.0 Density Total 0.5 0.0 6.7 10.3 1.7 2.1 0.0 0.0 0.0 0.0 0.0 | Average FL 39.0 38.0 38.0 47.2 42.6 Average FL 40.0 38.7 50.1 52.7 49.2 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |
| 2008 Weekl Salmon Der Date 19FEB 19FEB 19FEB 19FEB 19FEB 19FEB TOL.TOT. SJR. TOT. 2008 Weekl Salmon Der Date 04MAR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION USEN TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD CHARLES LEGION SERVICE SHILOH LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD LAIRD | of TID/MID umber of \$ Total Catch 1 15 22 0 0 0 0 40 0 of TID/MID umber of \$ Total Catch 1 0 12 20 3 5 0 0 0 0 | O Seining Salmon / Area 2000 1500 1800 1800 1800 1800 14750 3000 O Seining Salmon / Area 2000 1800 14750 1800 1800 1450 1800 1450 1800 1800 1800 1800 1800 1800 1800 18 | 1000 sq. ft. Measured Fry 2 1 1 15 18 36 0 Study 1000 sq. ft. Measured Fry 1 1 12 10 10 1 | Measured Juvenile 0 0 4 4 0 Measured Juvenile 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 | 2.4 Extrapole Density Fry 1.0 0.7 8.3 10.9 2.4 Extrapole 0.5 6.7 5.1 0.6 | Density Juvenile | Density Total 1.0 0.7 8.3 13.3 0.0 0.0 0.0 0.0 0.0 0.0 Density Total 0.5 0.0 6.7 10.3 1.7 2.1 0.0 0.0 0.0 0.0 | Average FL 40.0 Average FL 40.0 Average FL 40.0 Second FL 40.0 | UPPER SECTION Density Fry 3.4 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 3.1 | SECTION Density Fry 0.0 LOWER SECTION Density Fry | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile | SECTION Density Juvenile 0.7 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.0 LOWER SECTION Density Juvenile |

| Table 2 (C 2008 Week | Continued) by Summary o | of TID/MID | Seining | Study | | | | | | EXTRAPOLA | TED | | | | |
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-----------------|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| Salmon Der | nsity is the Nu | umber of S | Salmon / | 1000 sa. ft. | | | | | = | UPPER | MIDDLE | LOWER | UPPER | MIDDLE | LOWER |
| | , | | | | | Extrapola | ted | | | SECTION | | | SECTION | SECTION | |
| | | Total | | Measured | Measured | | | Density | Average | Density | Density | Density | Density | Density | Density |
| Date | Location | Catch | Area | Fry | Juvenile | Fry | Juvenile | Total | FL | Fry | Fry | Fry | Juvenile | Juvenile | Juvenile |
| 18MAR | OLGB | 0 | 1800 | | | | | 0.0 | | 1.9 | 0.9 | 0.3 | 0.2 | 4.0 | 0.3 |
| 18MAR | R5 | 0 | 1600 | | | | | 0.0 | | | | | | | |
| 18MAR | TRR | 11 | 1800 | 10 | 1 | 5.6 | 0.6 | 6.1 | 48.1 | | | | | | |
| | HICKMAN | 26 | 1650 | 5 | 21 | 3.0 | 12.7 | 15.8 | 55.0 | | | | | | |
| | CHARLES | 0 | 1650 | | | | | 0.0 | | | | | | | |
| 18MAR | LEGION | 2 | 2400 | 0 | 2 | 0.0 | 0.8 | 8.0 | 58.5 | | | | | | |
| | SERVICE | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 18MAR | SHILOH | 2 | 1450 | 1 | 1 | 0.7 | 0.7 | 1.4 | 49.5 | | | | | | |
| 18MAR | LAIRD | 0 | 1350 | | | | | 0.0 | | | | | | | |
| | GARDNER | 0 | 1500 | | | | | 0.0 | | | | | | | |
| TUOL.TOT. | | 41 | 14150 | 16 | 25 | 1.1 | 1.8 | 2.9 | 53.0 | | | | | | |
| SJR. TOT. | | 0 | 2850 | 0 | 0 | | | 0.0 | | | | | | | |
| 2000 Week | | 4 TID /\ AID | | Ct d | | | | | | EVED A DOL A | TED | | | | |
| | ly Summary o | | - | , | | | | | = | EXTRAPOLA | | 1.001/50 | | | |
| Salmon Dei | nsity is the Nu | umber of S | Salmon / | 1000 sq. ft. | | | | | | UPPER | MIDDLE | LOWER | UPPER | MIDDLE | LOWER |
| | | | | | | Extrapola | | | | SECTION | SECTION | | SECTION | | |
| | | Total | | Measured | Measured | 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 |
| 01APR | OLGB | 0 | 2200 | | | | | 0.0 | | 1.0 | 0.2 | 0.0 | 0.0 | 1.8 | 0.0 |
| 01APR | R5 | 0 | 1800 | | | | | 0.0 | 44.0 | | | | | | |
| 01APR | TRR | 6 | 1800 | 6 | 0 | 3.3 | 0.0 | 3.3 | 44.2 | | | | | | |
| | HICKMAN | 8 | 1800 | 1 | 7 | 0.6 | 3.9 | 4.4 | 64.6 | | | | | | |
| | CHARLES | 2 | 1500 | 0 | 2 | 0.0 | 1.3 | 1.3 | 71.5 | | | | | | |
| 01APR | LEGION | 0 | 1800 1800 | | | | | 0.0 | | | | | | | |
| 01APR 01APR | SERVICE | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 01APR | SHILOH | 0 | 1500 | | | | | 0.0 | | | | | | | |
| | LAIRD GARDNER | 0 | 1800 | | | | | 0.0 | | | | | | | |
| TUOL.TOT. | GARDINER | 16 | 14500 | 7 | 9 | 0.5 | 0.6 | 1.1 | 57.8 | | | | | | |
| SJR. TOT. | | 0 | 3300 | 0 | 0 | 0.5 | 0.0 | 0.0 | 37.0 | | | | | | |
| | | | | | | | | | | | | | | | |
| | ly Summary on sity is the Nu | | | | | | | | = | EXTRAPOLA UPPER | MIDDLE | LOWER | UPPER | MIDDLE | LOWER |
| | | umber of S | | 1000 sq. ft. | | Extrapola | | | = | UPPER SECTION | MIDDLE SECTION | SECTION | SECTION | SECTION | SECTION |
| Salmon Der | nsity is the Nu | umber of S | Salmon / | 1000 sq. ft. Measured | Measured | Density | Density | | Average | UPPER SECTION Density | MIDDLE SECTION Density | SECTION Density | SECTION Density | SECTION Density | SECTION Density |
| Salmon Der | nsity is the Nu | umber of S Total Catch | Salmon / | 1000 sq. ft. | | Density | | Total | = | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Salmon Der Date 15APR | Location OLGB | Total Catch 0 | Area 1800 | 1000 sq. ft. Measured Fry | Measured Juvenile | Density Fry | Density Juvenile | Total 0.0 | Average FL | UPPER SECTION Density | MIDDLE SECTION Density | SECTION Density | SECTION Density | SECTION Density | SECTION Density |
| Salmon Dei Date 15APR 15APR | Location OLGB R5 | Total Catch 0 | Area 1800 1800 | 1000 sq. ft. Measured Fry | Measured Juvenile 0 | Density Fry 0.6 | Density Juvenile 0.0 | Total 0.0 0.6 | Average FL 35.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR | Location OLGB R5 TRR | Total Catch 0 1 | Area 1800 1800 1800 | 1000 sq. ft. Measured Fry | Measured Juvenile 0 0 | Density Fry 0.6 1.1 | Density Juvenile 0.0 0.0 | Total 0.0 0.6 1.1 | Average FL 35.0 34.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN | Total Catch 0 1 2 | Area 1800 1800 1800 1800 | 1000 sq. ft. Measured Fry 1 2 0 | Measured Juvenile 0 0 10 | Density Fry 0.6 1.1 0.0 | Density Juvenile 0.0 0.0 5.6 | Total 0.0 0.6 1.1 5.6 | Average FL 35.0 34.0 75.2 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES | Total Catch 0 1 2 10 1 | Area 1800 1800 1800 1800 1800 | 1000 sq. ft. Measured Fry | Measured Juvenile 0 0 | Density Fry 0.6 1.1 | Density Juvenile 0.0 0.0 | Total 0.0 0.6 1.1 5.6 0.7 | Average FL 35.0 34.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Salmon Der Date 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION | Total Catch 0 1 2 10 1 0 | Area 1800 1800 1800 1800 1500 2400 | 1000 sq. ft. Measured Fry 1 2 0 0 | Measured Juvenile 0 0 10 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 | Average FL 35.0 34.0 75.2 63.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE | Total Catch 0 1 2 10 1 0 1 | Area 1800 1800 1800 1800 1500 2400 1800 | 1000 sq. ft. Measured Fry 1 2 0 | Measured Juvenile 0 0 10 | Density Fry 0.6 1.1 0.0 | Density Juvenile 0.0 0.0 5.6 | Total 0.0 0.6 1.1 5.6 0.7 0.0 | Average FL 35.0 34.0 75.2 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH | Total Catch 0 1 2 10 1 0 1 | Area 1800 1800 1800 1800 1500 2400 1800 1800 | 1000 sq. ft. Measured Fry 1 2 0 0 | Measured Juvenile 0 0 10 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 | Average FL 35.0 34.0 75.2 63.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD | Total Catch 0 1 2 10 1 0 1 0 0 | Area 1800 1800 1800 1500 2400 1800 1800 1150 | 1000 sq. ft. Measured Fry 1 2 0 0 | Measured Juvenile 0 0 10 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 | Average FL 35.0 34.0 75.2 63.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH | Total Catch 0 1 2 10 1 0 1 0 0 0 0 | Area 1800 1800 1800 1800 1500 2400 1800 1150 1800 1800 1800 1800 1800 18 | 1000 sq. ft. Measured Fry 1 2 0 0 | Measured Juvenile 0 0 10 1 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR T5APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD | Total Catch 0 1 2 10 1 0 0 1 1 0 1 1 0 1 1 0 1 1 1 0 1 1 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | Area 1800 1800 1800 1800 1800 1800 1800 180 | 1000 sq. ft. Measured Fry 1 2 0 0 | Measured Juvenile 0 0 10 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 1.0 | Average FL 35.0 34.0 75.2 63.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD | Total Catch 0 1 2 10 1 0 1 0 0 0 0 | Area 1800 1800 1800 1800 1500 2400 1800 1150 1800 1800 1800 1800 1800 18 | 1000 sq. ft. Measured Fry 1 2 0 0 | Measured Juvenile 0 0 10 1 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry | MIDDLE SECTION Density Fry | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | Total Catch 0 1 2 10 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Area 1800 1800 1800 1800 1800 1800 1800 180 | 1000 sq. ft. Measured Fry 1 2 0 0 0 | Measured Juvenile 0 0 10 1 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 1.0 | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry 0.6 | MIDDLE SECTION Density Fry 0.0 | SECTION Density Fry | SECTION Density Juvenile | SECTION Density Juvenile | SECTION Density Juvenile |
| Date 15APR 100L.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | Total Catch 0 1 2 2 10 1 0 0 0 0 0 0 f TID/MIC | Area 1800 1800 1800 1800 1800 1800 1800 180 | Measured Fry 1 2 0 0 0 0 3 Study | Measured Juvenile 0 0 10 1 1 | Density Fry 0.6 1.1 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 1.0 | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry 0.6 | MIDDLE SECTION Density Fry 0.0 | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 | SECTION Density Juvenile 1.9 | SECTION Density Juvenile 0.3 |
| Date 15APR 100L.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | Total Catch 0 1 2 2 10 1 0 0 0 0 0 0 f TID/MIC | Area 1800 1800 1800 1800 1800 1800 1800 180 | Measured Fry 1 2 0 0 0 0 3 Study | Measured Juvenile 0 0 10 1 1 | Density Fry 0.6 1.1 0.0 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 0.6 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 1.0 | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry 0.6 | MIDDLE SECTION Density Fry 0.0 | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 | SECTION Density Juvenile 1.9 | SECTION Density Juvenile 0.3 |
| Date 15APR 100L.TOT. SJR. TOT. | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | Total Catch 0 1 2 2 10 0 0 0 0 0 5 0 0 0 5 5 0 0 0 0 0 0 0 | Area 1800 1800 1800 1800 1800 1800 1800 180 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 0 3 Study 1000 sq. ft. | Measured Juvenile 0 0 10 11 1 | Density Fry 0.6 1.1 0.0 0.0 0.0 | Density Juvenile 0.0 0.0 5.6 0.7 0.6 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry 0.6 | MIDDLE SECTION Density Fry 0.0 | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 | SECTION Density Juvenile 1.9 MIDDLE SECTION | SECTION Density Juvenile 0.3 |
| Date 15APR 20APR 15APR 15APR 15APR SAPR 15APR 15 | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER | Total Catch 0 1 2 10 1 0 0 1 5 0 0 f TID/MIE | Area 1800 1800 1800 1500 2400 1800 1150 1800 1700 2950 9 Seining Salmon / | Measured Fry 1 2 0 0 0 Study 1000 sq. ft. | Measured Juvenile 0 0 10 11 11 | Density | Density Juvenile | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 0.0 Density | Average FL 35.0 34.0 75.2 63.0 81.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density | SECTION Density Juvenile 1.9 MIDDLE SECTION Density | SECTION Density Juvenile 0.3 |
| Date 15APR 1 | Location OLGB R5 R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER by Summary of shirty is the Notestian | Total Catch 0 1 2 10 1 0 0 0 1 0 0 0 Total Catch 1 Catch 1 Catch 1 Catch 1 Catch 1 Catch 1 Catch Catch Catch | Area 1800 1800 1800 1800 1800 1800 1800 180 | Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile | Density Fry 0.6 1.1 0.0 0.0 0.0 0.2 Extrapola Density Fry | Density Juvenile 0.0 0.0 5.6 0.7 0.6 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 0.0 Density Total | Average FL 35.0 34.0 75.2 63.0 81.0 66.6 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 20APR 15APR TUOL.TOT. 2008 Week Salmon Dei | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION OLGB | Total Catch 0 1 1 0 1 0 0 1 1 0 0 0 0 Total Catch 0 Total Catch 0 0 Total Catch 3 | Area 1800 1800 1800 1800 1800 1800 1800 180 | Measured Fry 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapola Density Fry 2.0 | Density Juvenile 0.0 0.0 5.6 0.7 0.6 0.8 ted Density Juvenile | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 Total Density Total 2.0 | Average FL 35.0 81.0 66.6 Average FL 34.3 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density | SECTION Density Juvenile 1.9 MIDDLE SECTION Density | SECTION Density Juvenile 0.3 |
| Date 15APR 1 | Location OLGB R5 R5 R6 HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION R5 | Total Catch 0 1 2 10 1 0 0 1 5 0 0 Total Catch | Area 1800 1800 1800 1800 1800 1800 1800 1900 19 | Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile | Density Fry 0.6 1.1 0.0 0.0 0.0 0.2 Extrapola Density Fry | Density Juvenile 0.0 0.0 5.6 0.7 0.6 | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | Average FL 35.0 34.0 75.2 63.0 81.0 66.6 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR 29APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER Jy Summary of sixty is the Notestandown OLGB R5 TRR | Total Catch 0 1 2 10 1 0 0 0 1 0 0 0 Total Catch 0 Total Catch 0 Total Catch 0 Total Catch 3 1 0 1 0 Total | Area 1800 1800 1800 2400 1800 1150 1800 1150 1800 14700 2950 2 Seining Salmon / | Measured Fry 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapola Density Fry 2.0 | Density Juvenile 0.0 0.0 5.6 0.7 0.6 0.8 ted Density Juvenile | Total 0.0 0.6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 1.0 0.0 Density Total 2.0 0.6 0.0 | Average FL 35.0 81.0 66.6 Average FL 34.3 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR 29APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION L | Total Catch 0 1 1 0 0 0 0 0 TID/MIE cumber of \$ Total Catch 0 1 1 0 0 0 0 TOtal Catch 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Area 1800 1800 1800 1800 1500 1500 2400 1800 1800 14700 2950 Salmon / Area 1500 1800 1800 1800 1800 1800 1800 1900 19 | Measured Fry 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapola Density Fry 2.0 | Density Juvenile 0.0 0.0 5.6 0.7 0.6 0.8 ted Density Juvenile | Total 0.0 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | Average FL 35.0 81.0 66.6 Average FL 34.3 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR 29APR 29APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION CHARLES | Total Catch 0 1 2 10 1 0 0 15 0 0 Total Catch 0 1 0 0 Total Catch 3 3 1 0 0 0 0 0 0 Total Catch | Area 1800 1800 1800 1800 1800 1800 1800 1900 2400 2400 2400 2400 250 250 250 250 250 250 250 250 250 2 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. Measured Fry 3 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 1 1 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapolal Density Fry 2.0 0.0 | 0.0 0.0 0.6 0.6 0.8 0.8 ted Density Juvenile 0.0 0.6 | Total 0.0 0.6 0.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | Average FL 35.0 81.0 66.6 Average FL 34.3 54.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR 29APR 29APR 29APR 29APR 29APR 29APR 29APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION US SUMMARY OF SHILOH LOCATION US STRR LOCATION | Total Catch 0 1 2 10 0 0 0 0 0 1 1 0 0 0 0 0 1 0 0 0 0 | Area 1800 1800 1800 1800 1500 1500 1800 1800 | Measured Fry 1 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapola Density Fry 2.0 | Density Juvenile 0.0 0.0 5.6 0.7 0.6 0.8 ted Density Juvenile | Total 0.0 0.6 6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 1.0 0.0 Density Total 2.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | Average FL 35.0 81.0 66.6 Average FL 34.3 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR 29APR 29APR 29APR 29APR 29APR 29APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION SERVICE LEGION SERVICE SHILOH LAIRD GARDNER LEGION SERVICE | Total Catch 0 1 1 0 1 0 0 1 1 0 0 0 0 Total Catch 0 1 1 0 0 0 Total Catch 0 0 0 Total Catch 3 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 | Area 1800 1800 1800 1800 1500 2400 1800 1800 1500 256 1800 1500 1800 1500 1800 1500 1800 1500 1800 18 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. Measured Fry 3 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 1 1 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapolal Density Fry 2.0 0.0 | 0.0 0.0 0.6 0.6 0.8 0.8 ted Density Juvenile 0.0 0.6 | Total 0.0 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | Average FL 35.0 81.0 66.6 Average FL 34.3 54.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION CHARLES LEGION SERVICE SHILOH LOCATION CHARLES LEGION SERVICE SHILOH | Total Catch 1 | Area 1800 1800 1800 1800 1800 1800 2400 2400 2950 250 1150 250 1800 1800 1800 1800 1800 1800 1800 18 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. Measured Fry 3 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 1 1 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapolal Density Fry 2.0 0.0 | 0.0 0.0 0.6 0.6 0.8 0.8 ted Density Juvenile 0.0 0.6 | Total 0.0 0.6 6 1.1 5.6 0.7 0.0 0.6 0.0 0.0 0.0 0.0 1.0 0.0 Density Total 2.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | Average FL 35.0 81.0 66.6 Average FL 34.3 54.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION US STRICT US STRICT STRICT LOCATION US STRICT ST | Total Catch 0 1 1 0 1 0 0 1 1 0 0 0 0 Total Catch 0 1 1 0 0 0 Total Catch 0 0 0 Total Catch 3 1 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 | Area 1800 1800 1800 1500 1500 1500 1800 1800 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. Measured Fry 3 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 1 1 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapolal Density Fry 2.0 0.0 | 0.0 0.0 0.6 0.6 0.8 0.8 ted Density Juvenile 0.0 0.6 | Total 0.0 0.6 6 1.1 5.6 0.7 0.0 0.6 6.0 0.0 0.0 0.0 1.0 0.0 0.0 Density Total 2.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | Average FL 35.0 81.0 66.6 Average FL 34.3 54.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION LOCATION CHARLES LEGION SERVICE SHILOH LOCATION CHARLES LEGION SERVICE SHILOH | Total Catch 0 1 1 2 10 1 0 0 0 1 5 0 0 0 Total Catch 0 1 0 0 0 Total Catch 0 0 0 Total 1 0 0 0 0 Not sampl | Area 1800 1800 1800 1800 1800 1800 1800 180 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. Measured Fry 3 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 1 1 | Density Fry 0.6 1.1 0.0 0.0 0.0 0.2 Extrapolal Density Fry 2.0 0.0 0.0 | Density Juvenile | Total 0.0 0.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | Average FL 35.0 81.0 66.6 Average FL 34.3 54.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |
| Date 15APR 29APR | Location OLGB R5 TRR HICKMAN CHARLES LEGION SERVICE SHILOH LAIRD GARDNER LOCATION US STRICT US STRICT STRICT LOCATION US STRICT ST | Total Catch 0 1 2 10 0 0 0 0 1 0 0 0 0 1 0 0 0 0 0 | Area 1800 1800 1800 1500 1500 1500 1800 1800 | 1000 sq. ft. Measured Fry 1 2 0 0 0 0 3 Study 1000 sq. ft. Measured Fry 3 0 | Measured Juvenile 0 0 10 11 1 12 Measured Juvenile 0 1 | 0.6 1.1 0.0 0.0 0.0 0.2 Extrapolal Density Fry 2.0 0.0 | 0.0 0.0 0.6 0.6 0.8 0.8 ted Density Juvenile 0.0 0.6 | Total 0.0 0.6 6 1.1 5.6 0.7 0.0 0.6 6.0 0.0 0.0 0.0 1.0 0.0 Density Total 2.0 0.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | Average FL 35.0 81.0 66.6 Average FL 34.3 54.0 85.0 | UPPER SECTION Density Fry 0.6 EXTRAPOLA UPPER SECTION Density Fry | MIDDLE SECTION Density Fry 0.0 TED MIDDLE SECTION Density Fry | SECTION Density Fry 0.0 | SECTION Density Juvenile 0.0 UPPER SECTION Density Juvenile 100 100 100 100 100 100 100 100 100 10 | SECTION Density Juvenile 1.9 MIDDLE SECTION Density Juvenile 20 MIDDLE SECTION Density Juvenile | SECTION Density Juvenile 0.3 LOWER SECTION Density Juvenile |

Table 2 (Continued) 2008 Weekly Summary of TID/MID Seining Study Salmon Density is the Number of Salmon / 1000 sq. ft.

| = | UPPER | MIDDLE | LOWER | UPPER | MIDDLE | LOWER |
|---------|---------|---------|---------|----------|----------|----------|
| | SECTION | SECTION | SECTION | SECTION | SECTION | SECTION |
| Average | Density | Density | Density | Density | Density | Density |
| FL | Fry | Fry | Fry | Juvenile | Juvenile | Juvenile |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| | | | | | | |
| | | | | | | |

EXTRAPOLATED

| ounnon bo. | | | , a, | | | | | | | O | | | O | | |
|------------|----------|-------|-------|----------|----------|-----------|----------|---------|---------|---------|---------|---------|----------|----------|----------|
| | | | | | | Extrapola | ated | | | SECTION | SECTION | SECTION | SECTION | SECTION | 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 |
| 13MAY | OLGB | 0 | 1500 | | | | | 0.0 | | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 13MAY | R5 | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 13MAY | TRR | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 13MAY | HICKMAN | 1 | 1300 | 0 | 1 | 0.0 | 0.8 | 0.8 | 73.0 | | | | | | |
| 13MAY | CHARLES | 0 | 1300 | | | | | 0.0 | | | | | | | |
| 13MAY | LEGION | 0 | 1950 | | | | | 0.0 | | | | | | | |
| 13MAY | SERVICE | 0 | 1650 | | | | | 0.0 | | | | | | | |
| 13MAY | SHILOH | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 13MAY | LAIRD | 0 | 1200 | | | | | 0.0 | | | | | | | |
| 13MAY | GARDNER | 0 | 1800 | | | | | 0.0 | | | | | | | |
| TUOL.TOT. | <u> </u> | 1 | 13100 | 0 | 1 | 0.0 | 0.1 | 0.1 | 73.0 | · | · | · | · | · | |
| SJR. TOT. | | 0 | 3000 | | | | | 0.0 | | | | | | | |
| | | | | | | | | | | | | | | | |

2008 Weekly Summary of TID/MID Seining Study

EXTRAPOLATED UPPER MIDDLE LOWER UPPER MIDDLE LOWER Salmon Density is the Number of Salmon / 1000 sq. ft.

| | | | | | _ | Extrapola | ated | | | SECTION | SECTION | SECTION | SECTION | SECTION | 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 |
| 27MAY | OLGB | 0 | 1800 | | | | | 0.0 | | 0.7 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 |
| 27MAY | R5 | 4 | 1800 | 4 | 0 | 2.2 | 0.0 | 2.2 | 36.8 | | | | | | |
| 27MAY | TRR | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 27MAY | HICKMAN | 1 | 1800 | 0 | 1 | 0.0 | 0.6 | 0.6 | 85.0 | | | | | | |
| 27MAY | CHARLES | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 27MAY | LEGION | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 27MAY | SERVICE | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 27MAY | SHILOH | 0 | 1800 | | | | | 0.0 | | | | | | | |
| 27MAY | LAIRD | 0 | 1500 | | | | | 0.0 | | | | | | | |
| 27MAY | GARDNER | 0 | 1800 | | | | | 0.0 | | | | | | | |
| TUOL.TOT. | | 5 | 14400 | 4 | 1 | 0.3 | 0.1 | 0.3 | 46.4 | · | | · | | | , |
| SJR. TOT. | | 0 | 3300 | | | | | 0.0 | | | | | | | |

Table 3. Summary table of weekly seine catch by location for the Tuolumne and San Joaquin Rivers, 2008.

2008 TUOLUMNE RIVER SEINING STUDY (TID/MID)

| | | | | | ′ | | | | | | | | | | | | | | |
|---------------------|-------------------|---------------|----------|----------------|------------------------|------------|------------|--------------|--------------|--------|--------|----------------|----------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------|---------------|---------------------|
| DATE | LOCATION | RIVER MILE | CATCH | AREA | DENSITY (/1000ft^2) | FL MIN. | FL MAX. | FL AVG. | NO. MEAS. | SACFRY | | WATER TEMP. | ELEC. COND. | SMOLT FL | SECTION OF THE SECTIO | ON DENS | | TURB. | D.O. |
| 22JAN 22JAN | OLGB R5 | 50.5 48.0 | 16 2 | 1,800 1,600 | 8.9 1.3 | 34 35 | 38 37 | 36.3 36.0 | 16 2 | 0 | 2 | 10.3 10.0 | 37 38 | | 3.6 | 0.2 | 0.0 | 1.6 1.9 | (ppm) 9.1 9.9 |
| 22JAN 22JAN | TRR HICK | 42.3 31.6 | 0 | 1,650 1,350 | 0.0 | | | | | | | 10.0 9.5 | 51 74 | | | | | 3.5 3.6 | 10.8 10.6 |
| 22JAN 22JAN | CHARLES LEGION | 24.9 17.2 | 1 0 | 1,650 1,650 | 0.6 0.0 | 38 | 38 | 38.0 | 1 | 0 | 0 | 9.3 9.6 | 122 154 | | | | | 4.0 8.1 | 9.8 10.0 |
| 22JAN 22JAN | SERVICE SHILOH | 8.7 3.4 | 0 | 1,800 1,800 | 0.0 0.0 | | | | | | | 10.3 10.9 | 185 221 | | | | | 6.3 4.0 | 10.6 9.9 |
| 22JAN 22JAN | LAIRD GARDNER | 90.2 79.5 | 0 | 800 1,800 | 0.0 0.0 | | | | | | | 10.5 10.0 | 1333 1098 | | | | | 38.4 23.3 | 10.3 9.8 |
| TR TOT. | | | 19 0 | 13300 2600 | 1.4 0.0 | 34 | 38 | 36.4 | 19 0 | 0 | 2 | | | | | | | | |
| 2008 TUC | LUMNE RIVE | R SEININ | IG STUDY | (TID/MID | 0) | | | | | | | | | | | | | | |
| | | RIVER | | | DENSITY | FL | FL | FL | NO. | | | WATER | ELEC. | SMOLT | | ON DENS | | | |
| DATE | LOCATION | | CATCH | AREA | (/1000ft^2) | MIN. | MAX. | AVG. | MEAS. | SACFRY | KILLED | TEMP. | COND. | FL | UPPER N | MIDDLE L | | TURB. | D.O. (ppm) |
| 05FEB 05FEB | OLGB R5 | 50.5 48.0 | 0 0 | 1800 1500 | 0.0 0.0 | | | | | | | 9.5 9.3 | 37 46 | | 0.6 | 2.1 | 0.0 | 2.2 2.0 | 10.1 11.0 |
| 05FEB 05FEB | TRR HICK | 42.3 31.6 | 3 | 1800 1650 | 1.7 1.8 | 37 38 | 40 41 | 38.0 39.3 | 3 | 0 | 0 | 9.6 8.8 | 65 89 | | | | | 12.5 145.0 | 10.2 10.2 |
| 05FEB | CHARLES | 24.9 | 1 | 1800 | 0.6 | 42 | 42 | 42.0 | 1 | 0 | 0 | 9.7 | 130 | | | | | 12.6 | 10.0 |
| 05FEB 05FEB | LEGION SERVICE | 17.2 8.7 | 8 | 2400 1800 | 3.3 0.0 | 36 | 41 | 38.6 | 8 | 0 | 0 | 10.1 9.3 | 162 142 | | | | | 11.5 35.3 | 10.3 10.3 |
| 05FEB | SHILOH | 3.4 | 0 | 1600 | 0.0 | | | | | | | 9.4 | 140 | | | | | 43.2 | 10.1 |
| 05FEB 05FEB | LAIRD GARDNER | 90.2 79.5 | 0 | 700 1600 | 0.0 0.0 | | | | | | | 9.3 9.1 | 849 667 | | | | | 53.4 52.3 | 10.2 10.3 |
| TR TOT. | O/ II (D. I (E) | 70.0 | 15 | 14350 | 1.0 | 36 | 42 | 38.9 | 15 | 0 | 0 | 0 | 00. | | | | | 02.0 | 10.0 |
| 3JR TOT. | LUMNE RIVE | D CEININ | 0 | 2300 | 0.0 | | | | 0 | 0 | 0 | | | | | | | | |
| 2006 100 | LUMINE RIVE | | 16 51001 | (TID/IVIIL | • | - | - | - | NO | | NO | WATER | F1 F0 | OMOLT. | OF OT I | ON DENIG | NTV | | |
| | LOCATION | | CATCH | AREA | DENSITY (/1000ft^2) | FL MIN. | FL MAX. | FL AVG. | | SACFRY | KILLED | WATER TEMP. | ELEC. COND. | SMOLT FL | UPPER N | ON DENS MIDDLE L | OWER | TURB. | D.O. (ppm) |
| 19FEB 19FEB | OLGB R5 | 50.5 48.0 | 2 | 2000 1500 | 1.0 0.7 | 38 38 | 40 38 | 39.0 38.0 | 2 | 0 | 0 | 10.6 10.3 | 39 47 | | 3.4 | 3.8 | 0.0 | 1.7 2.0 | 11.4 12.3 |
| 19FEB | TRR | 42.3 | 15 | 1800 | 8.3 | 35 | 40 | 36.6 | 15 | 0 | 1 | 11.4 | 58 | | | | | 3.1 | 12.2 |
| 19FEB 19FEB | HICK CHARLES | 31.6 24.9 | 22 0 | 1650 1800 | 13.3 0.0 | 39 | 58 | 47.2 | 22 | 0 | 1 | 11.8 12.2 | 78 126 | | | | | 3.9 5.4 | 12.3 12.6 |
| 19FEB | LEGION | 17.2 | 0 | 2400 | 0.0 | | | | | | | 12.4 | 166 | | | | | 5.4 | 12.5 |
| 19FEB | SERVICE | 8.7 | 0 | 1800 | 0.0 | | | | | | | 12.4 | 214 | | | | | 4.7 | 12.9 |
| 19FEB 19FEB | SHILOH LAIRD | 90.2 | 0 | 1800 1200 | 0.0 | | | | | | | 12.6 12.9 | 239 1396 | | | | | 5.3 29.3 | 11.3 |
| 19FEB TR TOT. | GARDNER | 79.5 | 0 40 | 1800 14750 | 0.0 2.7 | 35 | 58 | 42.6 | 40 | 0 | 2 | 12.8 | 1168 | | | | | 26.5 | 10.6 |
| SJR TOT. | | | 0 | 3000 | 0.0 | 33 | 56 | 42.0 | 40 | U | 2 | | | | | | | | |
| 2008 TUC | LUMNE RIVE | R SEININ | IG STUDY | (TID/MID | 0) | | | | | | | | | | | | | | |
| DATE | LOCATION | RIVER MILE | CATCH | AREA | DENSITY (/1000ft^2) | FL MIN. | FL MAX. | FL AVG. | NO. MEAS. | SACFRY | | WATER TEMP. | ELEC. COND. | SMOLT FL | SECTION OF THE SECTIO | ON DENS | | TURB. | D.O. |
| 04MAR | OLGB | 50.5 | 1 | 2000 | 0.5 | 40 | 40 | 40.0 | 1 | 0 | 0 | 10.3 | 40 | | 2.5 | 4.6 | 0.0 | 1.3 | (ppm) 10.3 |
| 04MAR | R5 | 48.0 | 0 | 1450 | 0.0 | | | | | | | 10.6 | 45 | | | | | 1.4 | 11.5 |
| 04MAR 04MAR | TRR HICK | 42.3 31.6 | 12 20 | 1800 1950 | 6.7 10.3 | 35 37 | 44 65 | 38.7 50.1 | 12 20 | 0 | 0 2 | 12.8 13.3 | 58 80 | | | | | 3.8 7.1 | 11.6 11.0 |
| 04MAR | CHARLES | 24.9 | 3 | 1800 | 1.7 | 50 | 55 | 52.7 | 3 | 0 | 0 | 14.3 | 127 | | | | | 9.8 | 10.8 |
| 04MAR 04MAR | LEGION SERVICE | 17.2 8.7 | 5 0 | 2400 1800 | 2.1 0.0 | 37 | 64 | 49.2 | 5 | 0 | 0 | 15.5 15.1 | 170 215 | | | | | 12.9 14.2 | 10.3 10.1 |
| 04MAR | SHILOH | 3.4 | 0 | 1800 | 0.0 | | | | | | | 15.7 | 239 | | | | | 18.1 | 10.0 |
| 04MAR 04MAR | LAIRD GARDNER | 90.2 79.5 | 0 | 1200 1800 | 0.0 | | | | | | | 14.9 14.6 | 1143 983 | | | | | 46.3 38.4 | 9.8 10.5 |
| TR TOT. | O/ II (D. IZE) | 70.0 | 41 | 15000 | 2.7 | 35 | 65 | 46.6 | 41 | 0 | 2 | | 000 | | | | | 00.1 | 10.0 |
| SJR TOT. | | | 0 | 3000 | 0.0 | | | | | | | | | | | | | | |
| 2008 100 | LUMNE RIVE | | IG STUDY | (TID/MIL | | - | - | - | NO | | NO | WATER | F1 F0 | OMOLT. | OF OT I | ON DENIG | NTV | | |
| DATE | LOCATION | RIVER MILE | CATCH | AREA | DENSITY (/1000ft^2) | FL MIN. | FL MAX. | FL AVG. | NO. MEAS. | SACFRY | | WATER TEMP. | | SMOLT FL | UPPER N | ON DENS | | TURB. | D.O. (ppm) |
| 18MAR | OLGB | 50.5 | 0 | 1800 | 0.0 | | | | | | | 10.0 | 39 | | 2.1 | 4.9 | 0.6 | 1.6 | 10.1 |
| 18MAR 18MAR | R5 TRR | 48.0 42.3 | 0 11 | 1600 1800 | 0.0 6.1 | 41 | 53 | 48.1 | 11 | 0 | 0 | 10.1 12.3 | 44 59 | | | | | 1.2 2.5 | 11.4 11.4 |
| 18MAR | HICK | 31.6 | 26 | 1650 | 15.8 | 39 | 80 | 55.0 | 26 | 0 | 0 | 13.6 | 79 126 | | | | | 4.7 | 11.1 |
| 18MAR 18MAR | CHARLES LEGION | 24.9 17.2 | 0 2 | 1650 2400 | 0.0 0.8 | 58 | 59 | 58.5 | 2 | 0 | 0 | 14.4 15.7 | 126 168 | | | | | 4.6 4.9 | 11.4 10.6 |
| 18MAR | SERVICE | 8.7 | 0 | 1800 | 0.0 | | | | | | | 15.8 | 217 | | | | | 8.2 | 10.8 |
| 18MAR 18MAR | SHILOH LAIRD | 90.2 | 0 | 1450 1350 | 0.0 | 48 | 51 | 49.5 | 2 | 0 | 0 | 16.9 15.5 | 222 1479 | | | | | 11.6 36.0 | 10.6 11.4 |
| 18MAR | GARDNER | 79.5 | 0 | 1500 | 0.0 | 20 | 00 | E0.0 | 4.4 | | _ | 15.6 | 1163 | | | | | 23.2 | 11.5 |
| TR TOT. 3JR TOT. | | | 41 0 | 14150 2850 | 2.9 0.0 | 39 | 80 | 53.0 | 41 | 0 | 0 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

Table 3 (Continued)
2008 TUOLUMNE RIVER SEINING STUDY (TID/MID)

| DATE | LOCATION | RIVER | CATCH | ٨٩٢٨ | DENSITY (/4000ft42) | FL | FL | FL | NO. | CACEDY | | WATER | ELEC. | SMOLT | | N DENS | | TUDD | В.О |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------|----------------------------------------------|---------------------------------------------------|------------------|--------------|----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------|------------------------------|--------------|-------------|-------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DATE | LOCATION | MILE | CATCH | AREA | (/1000ft^2) | MIN. | MAX. | AVG. | MEAS. | SACFRY | KILLED | TEMP. | COND. | FL | UPPER N | IIDDLE L | OWER | TURB. | D.O. (ppm) |
| 01APR | OLGB | 50.5 | 0 | 2200 | 0.0 | | | | | | | 10.1 | 40 | | 1.0 | 2.0 | 0.0 | 1.4 | 10.0 |
| 01APR | R5 | 48.0 | 0 | 1800 | 0.0 | | | | | | | 10.5 | 43 | | | | | 1.6 | 11.4 |
| 01APR 01APR | TRR HICK | 42.3 31.6 | 6 8 | 1800 1800 | 3.3 4.4 | 42 43 | 47 78 | 44.2 64.6 | 6 8 | 0 | 0 | 13.3 15.0 | 59 77 | 71,72,78 | | | | 5.2 4.4 | 11.0 10.6 |
| 01APR | CHARLES | 24.9 | 2 | 1500 | 1.3 | 59 | 84 | 71.5 | 2 | 0 | 0 | 16.1 | 124 | 84 | | | | 9.3 | 10.9 |
| 01APR | LEGION | 17.2 | 0 | 1800 | 0.0 | | | | | | | 17.2 | 153 | | | | | 3.5 | 10.6 |
| 01APR | SERVICE | 8.7 | 0 | 1800 | 0.0 | | | | | | | 17.1 | 195 | | | | | 11.1 | 10.1 |
| 01APR 01APR | SHILOH | 90.2 | 0 | 1800 1500 | 0.0 | | | | | | | 17.8 17.8 | 210 1571 | | | | | 10.3 22.6 | 9.4 12.6 |
| 01APR | GARDNER | 79.5 | ő | 1800 | 0.0 | | | | | | | 17.4 | 1105 | | | | | 18.5 | 11.8 |
| TR TOT. | | | 16 | 14500 | 1.1 | 42 | 84 | 57.8 | 16 | 0 | 0 | | | | | | | | |
| JR TOT. | | | 0 | 3300 | 0.0 | | | | | | | | | | | | | | |
| 2008 TUC | LUMNE RIVE | R SEININ | IG STUDY | (TID/MID | 0) | | | | | | | | | | | | | | |
| | | | | | | | _ | | | | | | | | | | | | |
| DATE | LOCATION | RIVER | CATCH | AREA | DENSITY (/1000ft^2) | FL MIN. | FL MAX. | FL AVG. | NO. | SACFRY | | WATER TEMP. | ELEC. COND. | SMOLT FL | UPPER N | ON DENS | | TURB. | D.O. |
| DATE | LOCATION | IVIILL | CATON | AILLA | (/1000it 2) | IVIII V. | WAX. | AVG. | WILAG. | OACI IXI | KILLLD | I LIVII . | COND. | 1.5 | OFFER | IIDDLL L | OWLK | TORB. | (ppm) |
| 15APR | OLGB | 50.5 | 0 | 1800 | 0.0 | | | | | | | 10.3 | 40 | | 0.6 | 1.9 | 0.3 | 1.3 | 9.9 |
| 15APR | R5 | 48.0 | 1 | 1800 | 0.6 | 35 | 35 | 35.0 | 1 | 0 | 0 | 10.6 | 42 | | | | | 1.2 | 11.1 |
| 15APR 15APR | TRR HICK | 42.3 31.6 | 2 10 | 1800 1800 | 1.1 5.6 | 33 67 | 35 80 | 34.0 75.2 | 2 10 | 0 | 0 | 13.7 16.2 | 57 71 | 10(67-80) | | | | 3.0 5.2 | 10.3 9.8 |
| 15APR | CHARLES | 24.9 | 1 | 1500 | 0.7 | 63 | 63 | 63.0 | 1 | 0 | 0 | 19.2 | 114 | 63 | | | | 4.2 | 9.9 |
| 15APR | LEGION | 17.2 | 0 | 2400 | 0.0 | | | | | | | 18.5 | 134 | | | | | 4.0 | 9.4 |
| 15APR 15APR | SERVICE SHILOH | 8.7 | 1 | 1800 | 0.6 0.0 | 81 | 81 | 81.0 | 1 | 0 | 0 | 18.0 | 183 204 | 81 | | | | 8.1 7.0 | 9.7 9.7 |
| 15APR | LAIRD | 90.2 | 0 | 1800 1150 | 0.0 | | | | | | | 18.5 19.1 | 1468 | | | | | 30.0 | 13.5 |
| 15APR | GARDNER | 79.5 | 0 | 1800 | 0.0 | | | | | | | 18.2 | 952 | | | | | 17.3 | 13.0 |
| TR TOT. | | | 15 | 14700 | 1.0 | 33 | 81 | 66.6 | 15 | 0 | 0 | | | | | | | | |
| JR TOT. | | | 0 | 2950 | 0.0 | | | | | | | | | | | | | | |
| 2008 TUC | LUMNE RIVE | R SEININ | IG STUDY | (TID/MID |)) | | | | | | | | | | | | | | |
| | | RIVER | | | DENSITY | FL | FL | FL | NO. | | NO | WATER | ELEC. | SMOLT | SECTIO | N DENS | ITV | | |
| DATE | LOCATION | | CATCH | AREA | (/1000ft^2) | MIN. | MAX. | AVG. | | SACFRY | | TEMP. | COND. | FL | UPPER N | | | TURB. | D.O. |
| | | | | | | | | | | | | | | | | | | | (ppm) |
| 29APR | OLGB | 50.5 | 3 | 1500 | 2.0 | 34 | 35 | 34.3 | 3 | 0 | 0 | 10.6 | 39 | | 0.8 | 0.2 | 0.0 | 1.0 | 11.3 |
| 29APR 29APR | R5 TRR | 48.0 42.3 | 1 0 | 1800 1800 | 0.6 0.0 | 54 | 54 | 54.0 | 1 | 0 | 0 | 10.8 11.1 | 39 42 | | | | | 1.3 1.3 | 11.6 11.1 |
| 29APR | HICK | 31.6 | Ö | 1200 | 0.0 | | | | | | | 12.9 | 46 | | | | | 3.1 | 11.1 |
| 29APR | CHARLES | 24.9 | 0 | 1050 | 0.0 | | | | | _ | _ | 14.9 | 53 | | | | | 3.8 | 11.0 |
| 29APR | LEGION | 17.2 8.7 | 1 | 1800 1800 | 0.6 0.0 | 85 | 85 | 85.0 | 1 | 0 | 0 | 15.8 | 56 70 | 85 | | | | 3.8 6.2 | 10.2 |
| 29APR 29APR | SERVICE SHILOH | 3.4 | 0 | 1650 | 0.0 | | | | | | | 16.5 17.3 | 68 | | | | | 8.0 | 9.7 9.8 |
| 29APR | LAIRD | | Not sampl | | #VALUE! | | | | | | | | | | | | | | |
| 29APR TR TOT. | GARDNER | 79.5 | <u>0</u> 5 | 1800 12600 | 0.0 | | | 40.4 | 5 | 0 | 0 | 18.4 | 341 | | | | | 26.7 | 10.3 |
| SJR TOT. | | | | | 0.4 | 2.4 | 9.0 | | 3 | U | U | | | | | | | | |
| | | | 0 | 1800 | 0.0 | 34 | 85 | 48.4 | | | | | | | | | | | |
| 0000 TUO | | | 0 | 1800 | | 34 | 85 | 40.4 | | | | | | | | | | | |
| 2008 TUC | DLUMNE RIVE | R SEININ | 0 | 1800 | | 34 | 85 | 40.4 | | | | | | | | | | | |
| 2008 TUC | DLUMNE RIVE | RIVER | 0 IG STUDY | 1800 | DENSITY | FL | 85 FL | FL | NO. | | | WATER | ELEC. | SMOLT | | ON DENS | | | |
| 2008 TUC | DLUMNE RIVE | RIVER | 0 | 1800 |)) | | | | | SACFRY | | WATER TEMP. | ELEC. COND. | SMOLT FL | SECTION UPPER M | | | TURB. | D.O. |
| DATE | LOCATION | RIVER MILE | 0 NG STUDY CATCH | 1800 (TID/MID AREA | DENSITY (/1000ft^2) | FL | FL | FL | | SACFRY | | TEMP. | COND. | | UPPER N | IDDLE L | OWER | | (ppm) |
| | | RIVER | 0 NG STUDY CATCH | 1800 (TID/MID | DENSITY | FL | FL | FL | | SACFRY | | | | | | | | TURB. 0.8 1.2 | |
| DATE 13MAY 13MAY 13MAY | LOCATION OLGB R5 TRR | RIVER MILE 50.5 48.0 42.3 | 0 NG STUDY CATCH 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 | FL MIN. | FL MAX. | FL AVG. | MEAS. | | KILLED | TEMP. 10.9 11.0 11.3 | 37 38 42 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 | (ppm) 11.9 12.5 11.4 |
| DATE 13MAY 13MAY 13MAY 13MAY | LOCATION OLGB R5 TRR HICK | RIVER MILE 50.5 48.0 42.3 31.6 | 0 NG STUDY CATCH 0 0 0 1 | 1800 (TID/MID AREA 1500 1800 1800 1300 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.8 | FL | FL | FL | | SACFRY 0 | | 10.9 11.0 11.3 13.3 | 37 38 42 46 | | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 | (ppm) 11.9 12.5 11.4 11.0 |
| DATE 13MAY 13MAY 13MAY 13MAY | LOCATION OLGB R5 TRR HICK CHARLES | RIVER MILE 50.5 48.0 42.3 31.6 24.9 | 0 IG STUDY CATCH 0 0 0 1 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 | FL MIN. | FL MAX. | FL AVG. | MEAS. | | KILLED | 10.9 11.0 11.3 13.3 15.0 | 37 38 42 46 60 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 2.4 | (ppm) 11.9 12.5 11.4 11.0 11.0 |
| DATE 13MAY 13MAY 13MAY 13MAY | LOCATION OLGB R5 TRR HICK | RIVER MILE 50.5 48.0 42.3 31.6 | 0 IG STUDY CATCH 0 0 0 1 | 1800 (TID/MID AREA 1500 1800 1800 1300 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.8 | FL MIN. | FL MAX. | FL AVG. | MEAS. | | KILLED | 10.9 11.0 11.3 13.3 | 37 38 42 46 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 | (ppm) 11.9 12.5 11.4 11.0 |
| DATE 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY | 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 NG STUDY CATCH 0 0 1 0 0 0 1 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1650 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 0.0 0.0 | FL MIN. | FL MAX. | FL AVG. | MEAS. | | KILLED | 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 | 37 38 42 46 60 63 83 79 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 |
| DATE 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY | 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 | 0 RG STUDY CATCH 0 0 1 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1300 1300 1950 1650 1800 | DENSITY (/1000ff^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | FL MIN. | FL MAX. | FL AVG. | MEAS. | | KILLED | 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 | 37 38 42 46 60 63 83 79 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 |
| DATE 13MAY | 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 RG STUDY CATCH 0 0 1 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1650 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 0.0 0.0 0.0 0.0 | FL MIN. | FL MAX. | FL AVG. 73.0 | MEAS. | | KILLED 0 | 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 | 37 38 42 46 60 63 83 79 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 |
| DATE 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY | 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 | 0 GATCH 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1300 1300 1950 1650 1800 | DENSITY (/1000ff^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 | FL MIN. | FL MAX. | FL AVG. | MEAS. | 0 | KILLED | 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 | 37 38 42 46 60 63 83 79 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 |
| DATE 13MAY TR TOT. 3JR TOT. | 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 IG STUDY CATCH 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1300 1300 1950 1650 1800 1200 1800 3000 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | FL MIN. | FL MAX. | FL AVG. 73.0 | MEAS. | 0 | KILLED 0 | 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 | 37 38 42 46 60 63 83 79 | FL | UPPER N | IDDLE L | OWER | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 |
| DATE 13MAY TR TOT. 3JR TOT. | 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 IG STUDY CATCH 0 0 0 0 0 0 0 0 0 0 1 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1300 1300 1950 1650 1800 1200 1800 3000 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | FL MIN. | FL MAX. | FL AVG. 73.0 | MEAS. | 0 | O 0 | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 | COND. 37 38 42 46 60 63 83 79 559 367 | FL 73 | UPPER N | 0.2 | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 |
| DATE 13MAY 7R TOT. 3JR TOT. | 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 R SEININ RIVER | 0 AG STUDY CATCH 0 0 0 0 1 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1650 1800 1200 1200 13100 3000 (TID/MID | DENSITY (/1000ff^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | FL MIN. 73 | FL MAX. 73 | FL AVG. 73.0 | MEAS. | 0 | 0 NO. | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER | COND. 37 38 42 46 60 63 83 79 559 367 | FL 73 | UPPER N 0.0 | 0.2 ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 38.3 25.1 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY 7R TOT. 3JR TOT. | 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 R SEININ RIVER | 0 IG STUDY CATCH 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1650 1800 1200 1200 13100 3000 (TID/MID | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0. | FL MIN. 73 | FL MAX. 73 | FL AVG. 73.0 | MEAS. | 0 | 0 NO. | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER | COND. 37 38 42 46 60 63 83 79 559 367 | FL 73 | UPPER N | 0.2 ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 38.3 25.1 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY TR TOT. 3JR TOT. | 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 R SEININ RIVER | 0 AG STUDY CATCH 0 0 0 0 1 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1650 1800 1200 1200 13100 3000 (TID/MID | DENSITY (/1000ff^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | FL MIN. 73 | FL MAX. 73 | FL AVG. 73.0 | MEAS. | 0 | 0 NO. | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER | COND. 37 38 42 46 60 63 83 79 559 367 | FL 73 | UPPER N 0.0 | 0.2 ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 38.3 25.1 | (ppm) 11.9 12.5 11.4 11.0 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY 2008 TUC DATE 27MAY 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 | RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 3.4 90.2 79.5 R SEININ RIVER MILE 50.5 48.0 | 0 IG STUDY CATCH 0 0 0 1 0 0 0 1 0 CATCH CATCH 0 0 0 0 0 1 0 0 0 0 1 0 0 0 4 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1950 1650 1800 1200 1800 (TID/MID AREA 1800 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 0.0 0.0 0.0 0.0 0. | FL MIN. 73 | FL MAX. 73 | FL AVG. 73.0 | MEAS. 1 NO. MEAS. 0 4 | 0 | 0 NO. | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 | COND. 37 38 42 46 60 63 37 9 559 367 ELEC. COND. | FL 73 | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 6.1 6.5 38.3 25.1 | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY TR TOT. 3JR TOT. 2008 TUC DATE 27MAY 27MAY 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 TRR | RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 3.4 90.2 79.5 R SEINII RIVER MILE 50.5 48.0 42.3 | 0 AG STUDY CATCH 0 0 0 0 1 0 0 0 0 1 1 0 0 CATCH 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1650 1800 1200 13100 3000 (TID/MID AREA 1800 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 0.0 0.0 0.0 0.0 0. | 73 73 FL MIN. | 73 73 FL MAX. | 73.0 73.0 FL AVG. 36.8 | MEAS. 1 NO. MEAS. 0 4 4 | 0 SACFRY 0 | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 | COND. 37 38 42 46 60 63 83 79 559 367 ELEC. COND. 37 30 50 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 6.1 6.5 38.3 25.1 | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 TRR HICK | RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 3.4 90.2 79.5 R SEININ RIVER MILE 50.5 48.0 | 0 IG STUDY CATCH 0 0 0 1 0 0 0 1 0 CATCH CATCH 0 0 0 0 0 1 0 0 0 0 1 0 0 0 4 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1950 1650 1800 1200 1800 (TID/MID AREA 1800 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 0.0 0.0 0.0 0.0 0. | FL MIN. | FL MAX. | 73.0 73.0 FL AVG. | MEAS. 1 NO. MEAS. 0 4 | 0 0 SACFRY | 0 NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 | COND. 37 38 42 46 60 63 37 9 559 367 ELEC. COND. | FL 73 | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.5 38.3 25.1 TURB. | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY TR TOT. 3JR TOT. 2008 TUC DATE 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 TRR HICK CHARLES LEGION | RIVER MILE 50.5 48.0 42.3 31.6 24.9 90.2 79.5 R SEININ RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 | 0 AG STUDY CATCH 0 0 0 0 1 0 0 0 0 0 0 CATCH 0 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 0 0 0 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1800 1200 13100 3000 (TID/MID AREA 1800 1800 1800 1800 1800 1800 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.8 0.0 0.0 0.0 0.0 0.0 0. | 73 73 FL MIN. | 73 73 FL MAX. | 73.0 73.0 FL AVG. 36.8 | 1 NO. MEAS. 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 SACFRY 0 | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 17.3 18.2 18.8 | COND. 37 38 42 46 60 63 83 79 559 367 ELEC. COND. 37 30 50 65 116 146 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 38.3 25.1 TURB. | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE | RIVER MILE 50.5 48.0 42.3 31.6 24.9 90.2 79.5 R SEININ RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 | 0 IG STUDY CATCH 0 0 0 0 1 0 0 0 4 0 1 0 0 1 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1800 1200 1800 1800 1800 1800 1800 180 | DENSITY (/1000ft^2) DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.1 0.0 DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 73 73 FL MIN. | 73 73 FL MAX. | 73.0 73.0 FL AVG. 36.8 | NO. MEAS. 0 4 0 1 0 0 0 | 0 SACFRY 0 | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 17.3 18.2 18.8 18.6 | COND. 37 38 42 46 60 63 83 79 559 367 ELEC. COND. 37 30 50 65 116 146 190 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 6.1 6.5 38.3 25.1 TURB. | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 D.O. (ppm) 10.3 11.2 10.4 9.8 9.4 9.5 8.5 |
| DATE 13MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH | RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 48.0 42.3 87.7 8.4 90.2 79.5 R SEININ RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 3.4 | 0 RG STUDY CATCH 0 0 0 0 1 0 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 1 0 0 0 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1650 1800 1200 1200 070 170 1800 1800 1800 1800 1800 1800 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 73 73 FL MIN. | 73 73 FL MAX. | 73.0 73.0 FL AVG. 36.8 | 1 NO. MEAS. 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 SACFRY 0 | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 17.3 18.2 18.8 18.6 19.4 | COND. 37 38 42 46 60 63 38 79 559 367 ELEC. COND. 37 30 50 65 116 146 199 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 6.1 6.5 38.3 25.1 TURB. 1.2 1.0 1.7 2.1 4.2 2.5 4.8 | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 |
| DATE 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY TR TOT. 3UR TOT. 2008 TUC DATE 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD GARDNER DLUMNE RIVE LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE | RIVER MILE 50.5 48.0 42.3 31.6 24.9 90.2 79.5 R SEININ RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 | 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1800 1200 1800 1800 1800 1800 1800 180 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | FL MIN. 36 85 | FL MAX. 73 73 FL MAX. 39 85 | 73.0 73.0 74.0 75.0 75.0 75.0 | NO. MEAS. 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 O SACFRY 0 O | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 17.3 18.2 18.8 18.6 | COND. 37 38 42 46 60 63 83 79 559 367 ELEC. COND. 37 30 50 65 116 146 190 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 6.1 6.5 38.3 25.1 TURB. | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 D.O. (ppm) 10.3 11.2 10.4 9.8 9.4 9.5 8.5 |
| DATE 13MAY TR TOT. 3JR TOT. 2008 TUC DATE 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD OLUMNE RIVE 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 R SEININ RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 3.4 | 0 RG STUDY CATCH 0 0 0 0 1 0 0 0 1 1 0 0 0 1 1 0 0 0 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1650 1800 1200 13100 3000 (TID/MID AREA 1800 1800 1800 1800 1800 1800 1800 18 | DENSITY (/1000ft^2) DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | 73 73 FL MIN. | 73 73 FL MAX. | 73.0 73.0 FL AVG. 36.8 | NO. MEAS. 0 4 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 SACFRY 0 | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 17.3 18.2 18.8 18.6 19.4 | COND. 37 38 42 46 60 63 83 79 559 367 ELEC. COND. 37 30 50 65 116 146 190 199 1186 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 38.3 25.1 TURB. 1.2 1.0 1.7 2.1 4.2 2.5 4.8 30.3 | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 D.O. (ppm) 10.3 11.2 10.4 9.8 9.4 9.5 8.5 8.5 8.5 |
| DATE 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY 13MAY TR TOT. 3UR TOT. 2008 TUC DATE 27MAY | LOCATION OLGB R5 TRR HICK CHARLES LEGION SERVICE SHILOH LAIRD OLUMNE RIVE 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 R SEININ RIVER MILE 50.5 48.0 42.3 31.6 24.9 17.2 8.7 3.4 | 0 | 1800 (TID/MID AREA 1500 1800 1800 1300 1300 1950 1800 1200 1800 1800 1800 1800 1800 180 | DENSITY (/1000ft^2) 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0 | FL MIN. 36 85 | FL MAX. 73 73 FL MAX. 39 85 | 73.0 73.0 74.0 75.0 75.0 75.0 | NO. MEAS. 0 4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 O SACFRY 0 O | O NO. KILLED | TEMP. 10.9 11.0 11.3 13.3 15.0 15.9 16.5 17.4 18.9 18.4 WATER TEMP. 11.0 11.9 15.4 17.3 18.2 18.8 18.6 19.4 | COND. 37 38 42 46 60 63 83 79 559 367 ELEC. COND. 37 30 50 65 116 146 190 199 1186 | FL 73 SMOLT FL | UPPER N 0.0 SECTIC UPPER N | ON DENS | OWER 0.0 | 0.8 1.2 2.3 2.2 2.4 2.4 6.1 6.5 38.3 25.1 TURB. 1.2 1.0 1.7 2.1 4.2 2.5 4.8 30.3 | (ppm) 11.9 12.5 11.4 11.0 10.6 9.8 9.5 10.6 10.8 D.O. (ppm) 10.3 11.2 10.4 9.8 9.4 9.5 8.5 8.5 8.5 |

Table 4. 2008 OTHER SPECIES SAMPLED DURING SEINING STUDIES ON JUVENILE SALMON

2008 OTHER SPECIES SAMPLED DURING SEINING STUDIES ON JUVENILE SALMON

OTHER SPECIES SAMPLED (ACTUAL COUNTS OR ESTIMATED ABUNDANCE)

| DATE SITE | | LP TFS | RT | СР | GF | GSH SBF | нн нсн | PM ST | PRS | FHM SKF | R WCF GAM | I ISS | SB | WCR GSF | BG | LMB | SMB E | BLP TP | RSCP RSF CCF | CENT |
|----------------------|--------------------------|---------|------|-----|----|---------|--------|----------|----------|----------|-----------|-------|------|---------|------|-------|---------|---------|--------------|-------|
| 22JAN 1 | OLGB 50.5 | | | | | | | | | 2 | | | | | | | | | | |
| 22JAN 2 | R5 48.0 | | | | | | 2 | 18 | | 10 |) | | | | | | | | 2 | |
| 22JAN 3 | TRR 42.3 | | | | | | 40 | | | | | | | | | | | | | |
| 22JAN 4 | HICK 31.6 | | | | | | | | | | | | | | | | | | | |
| 22JAN 5 | CHARLES 24.9 | | | | | | | | | | | | | | | | | | | |
| 22JAN 6 | LEGION 17.2 | | | | | | | | | | | | | | | | | | | |
| 22JAN 7 | SERVICE 8.7 | | | | | | | | 2 | | | | | | | | | | | |
| 22JAN 8 | SHILOH 3.4 | | | | | | | | 30 | | | 1 | | | | | | | | |
| 22JAN 9 | LAIRD 90.2 | | | | | | | | 6 | | | | | | | | | | | |
| 22JAN 10 | GARDNER 77.8 | | | | | | | | 10 | | | 3 | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
| DATE SITE | LOCATION MILE | LP TFS | RT | CP | GF | GSH SBF | нн нсн | PM ST | PRS | FHM SKE | R WCF GAN | l ISS | SB | WCR GSF | BG | LMB | SMB E | BLP TP | RSCP RSF CCF | CENT |
| 05FEB 1 | OLGB 50.5 | | | | | | | | | | | | | | | | | | | |
| 05FEB 2 | R5 48.0 | | | | | | 1 | | | 1 | | | | | | | | | | |
| 05FEB 3 | TRR 42.3 | | | | | | 10 | 10 | | | | | | | | | | | | |
| 05FEB 4 | HICK 31.6 | | | | | | | 1 | | | _ | | | | | | | | 1 | |
| 05FEB 5 | CHARLES 24.9 | | | | | | | | | | 5 | | | | | | | | | |
| 05FEB 6 | LEGION 17.2 | | | | | | | | | | | | | | | | | | | |
| 05FEB 7 | SERVICE 8.7 | | | | | 1 | | | 4 | | • | | | | 1 | 1 | | | | |
| 05FEB 8 | SHILOH 3.4 | | | | | | | | 10 | | | 4 | | | | | | | | |
| 05FEB 9 | LAIRD 90.2 | | | | | | | | 200 | | | 30 | | | | | | | | |
| 05FEB 10 | GARDNER 77.8 | | | | | | | | 5 | | | 2 | | | | | | | | |
| DATE SITE | LOCATION MILE | LP TFS | RT | СР | GF | GSH SBF | нн нсн | PM ST | PRS | FHM SKF | R WCF GAM | I ISS | SB | WCR GSF | BG | LMB | SMB E | SLP TP | RSCP RSF CCF | CENT |
| 19FEB 1 | OLGB 50.5 | | | | | | | | | | | | | | | | | | | |
| 19FEB 2 | R5 48.0 | | | | | | | | | | | | | | | | | | | |
| 19FEB 3 | TRR 42.3 | | | | | | 20 | 20 | | | | | | | | | | | | |
| 19FEB 4 | HICK 31.6 | | | | | | | | | | | | | | | | | | | |
| 19FEB 5 | CHARLES 24.9 | | | | | | | | | | 2 | | | | 3 | | | | | |
| 19FEB 6 | LEGION 17.2 | | | | | | | | | | 1 | | | | 0 | | | | 1 | |
| 19FEB 7 | SERVICE 8.7 | | | | | | | | | | ' | | | | | | | | ' | |
| 19FEB 8 | SHILOH 3.4 | | | | | | | | 20 | | | | | | | | | | | |
| | | | | 4 | | | | | | | | | | | | | | | | |
| 19FEB 9 19FEB 10 | LAIRD 90.2 | | | 1 | | | | | 200 2 | | | 2 | | | 4 | | | | | |
| 19555 10 | GARDNER 77.8 | | | | | | | | | | | | | | - 1 | | | | | |
| DATE SITE | LOCATION MILE | LP TFS | RT | СР | GF | GSH SBF | нн нсн | PM ST | PRS | FHM SKE | R WCF GAM | I ISS | SB | WCR GSF | BG | LMB | SMB E | BLP TP | RSCP RSF CCF | CENT |
| 04MAR 1 | OLGB 50.5 | | | | | | | | | 4 | | | | | | | | | | |
| 04MAR 2 | R5 48.0 | | | | | | | | | | | | | | | | | | | |
| 04MAR 3 | TRR 42.3 | | | | | | 15 | | | 1 | | | | | | | | | | |
| 04MAR 4 | HICK 31.6 | | | | | | | | | | | | | | | | | | | |
| 04MAR 5 | CHARLES 24.9 | | | | | | | 1 | | | 2 | | | | 5 | 1 | | | | |
| 04MAR 6 | LEGION 17.2 | | | | | | | | | | | 1 | | | 1 | 1 | 1 | 1 | 1 | |
| 04MAR 7 | SERVICE 8.7 | | | | | | | | | ; | 3 | 5 | | | | | | | | |
| 04MAR 8 | SHILOH 3.4 | | | | | | | | 1 | | | | | | | | | | | |
| 04MAR 9 | LAIRD 90.2 | | | | | | | | 200 | | | 5 | | | | 1 | | | | |
| 04MAR 10 | GARDNER 77.8 | | | | | | | | 50 | | | 5 | | | | | | | | |
| DATE SITE | LOCATION MILE | I D TES | рΤ | CP | GE | CSH SEE | | DM ST | DDS | EHW SKE | P WCE GAN | 1 100 | S.B. | WCP GSE | B.C. | LMR | SMB E | ND TD | RSCP RSF CCF | CENT |
| DATE SITE 18MAR 1 | OLGB 50.5 | LF 113 | 13.1 | OF. | JI | OUL ODE | пи поп | 1-101 31 | гио | THIN SKI | VVOI GAIV | 100 | JD | WON GOF | טט | LIVID | SIVID E | APLE IL | NOOF NOT COF | CLIVI |
| 18MAR 2 | R5 48.0 | | | | | | | | | 1 | | | | | | | | | | |
| | | | | | | | | | | 1 | | | | | | | | | | |
| 18MAR 3 | TRR 42.3 | | | | | | | | | | | | | | | | | | | |
| 18MAR 4 | HICK 31.6 | | | | | | | | | | _ | | | | | | | | | |
| 18MAR 5 | CHARLES 24.9 | | | | | | | | | | 6 | | | | | | | | | |
| 18MAR 6 | LEGION 17.2 | | | | | | | | | | 1 | | | | 2 | | | | 3 | |
| 18MAR 7 | SERVICE 8.7 | | | | | | | | • | | | 1 | | | | | | | | |
| 18MAR 8 18MAR 9 | SHILOH 3.4 LAIRD 90.2 | | | | | | | | 8 80 | | | 2 | | | | 1 | | | | |
| 18MAR 10 | | | | | | | | | 15 | | | 2 | | | | ' | | | | |
| | GARDNER 77.8 | | | | | | | | ເນ | | | | | | | | | | | |

Table 4. 2008 Other Species sampled (continued) DATE SITE LOCATION MILE LP TFS RT CP GF GSH SBF HH HCH PM ST PRS FHM SKR WCF GAM ISS SB WCR GSF BG LMB SMB BLP TP RSCP RSF CCF CENT 01APR 1 OLGB 50.5 01APR 2 R5 48.0 TRR 42.3 01APR 3 3 1 1 01APR 4 HICK 31.6 01APR 5 CHARLES 24.9 5 LEGION 17.2 01APR 6 3 01APR 7 SERVICE 8.7 01APR 8 SHILOH 3.4 100 01APR 9 LAIRD 90.2 20 GARDNER 77.8 01APR 10 200 5 DATE SITE LOCATION MILE LPTFS RT CP GF GSH SBF HH HCH PM ST PRS FHM SKR WCF GAM ISS SB WCR GSF BG LMB SMB BLP TP RSCP RSF CCF CENT 15APR 1 OLGB 50.5 15APR 2 R5 48.0 15APR 3 TRR 42.3 20 10 2 15APR 4 HICK 31.6 15APR 5 CHARLES 24.9 3 2 15APR 6 LEGION 17.2 3 15APR 7 SERVICE 8.7 YOY 15APR 8 SHILOH 3.4 10 2 2 1 15APR 9 LAIRD 90.2 100 15APR 10 GARDNER 77.8 50 30 DATE SITE LOCATION MILE LPTFS RT CP GF GSH SBF HH HCH PM ST PRS FHM SKR WCF GAM ISS SB WCR GSF BG LMB SMB BLP TP RSCP RSF CCF CENT 29APR OLGB 50.5 29APR 2 8 R5 48.0 29APR 3 TRR 42.3 29APR 4 HICK 31.6 YOY 29APR 5 CHARLES 24.9 29APR 6 LEGION 17.2 YOY 29APR 7 SERVICE 8.7 YOY 3 1 2 29APR 8 SHILOH 3.4 3 YOY LAIRD 90.2 29APR 9 29APR 10 GARDNER 77.8 100 YOY 6 DATE SITE LOCATION MILE LP TFS RT CP GF GSH SBF HH HCH PM ST PRS FHM SKR WCF GAM ISS SB WCR GSF BG LMB SMB BLP TP RSCP RSF CCF CENT 13MAY 1 OLGB 50.5 13MAY 2 R5 48.0 2 13MAY 3 TRR 42.3 7 13MAY 4 HICK 31.6 1 CHARLES 24.9 13MAY 5 2 2 LEGION 17.2 YOY 13MAY 6 13MAY 7 SERVICE 8.7 YOY 5 2 2 10 13MAY 8 SHILOH 3.4 13MAY 9 LAIRD 90.2 200 13MAY 10 GARDNER 77.8 60

| DATE SITE | LOCATION MILE LP TFS | RT CP GF GSH SBF H | HH HCH PM ST | PRS FHM S | KR WCF GAM | ISS | SB WCR GSF | BG | LMB | SMB BLP | TP RSCP RSF CCF CENT |
|-----------|----------------------|--------------------|--------------|-----------|------------|-----|------------|----|-----|---------|----------------------|
| 27MAY 1 | OLGB 50.5 | | | | | | | | | | |
| 27MAY 2 | R5 48.0 | | | Y | YC | | | | | | |
| 27MAY 3 | TRR 42.3 | | | | | | | | | | 1 |
| 27MAY 4 | HICK 31.6 | | 5 | | | | | | | | |
| 27MAY 5 | CHARLES 24.9 | | | | | | | 2 | | 1 | |
| 27MAY 6 | LEGION 17.2 | | | | | | | | | | |
| 27MAY 7 | SERVICE 8.7 | | | Y | OY 6 | | | | | | |
| 27MAY 8 | SHILOH 3.4 | | | Y | YC | | | 2 | 1 | | 4 |
| 27MAY 9 | LAIRD 90.2 | | | 60 | | 1 | | | | | |
| 27MAY 10 | GARDNER 77.8 | | | 50 | | 4 | | 3 | 1 | | |

Table 4. KEY TO OTHER SPECIES SAMPLED AND DISTRIBUTION (List includes all species caught during 1986-2008 seining studies)

| FAMILY | COMMON NAME | NATIVE SPECIES | ABBREV. | SAN JOAQUIN | TUOL. |
|-----------------|-----------------------|-------------------|---------|-----------------------------------------|-------|
| | | 2 | | 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | |
| Petromyzontidae | Pacific lamprey | N | LP | | |
| Clupeidae | threadfin shad | | TFS | | |
| Salmonidae | Chinook salmon | N | CS | | Χ |
| Salmonidae | rainbow trout | N | RT | | Χ |
| Cyprinidae | carp | | CP | Х | |
| Cyprinidae | goldfish | | GF | | |
| Cyprinidae | golden shiner | | GSH | | Χ |
| Cyprinidae | Sacramento blackfish | N | SBF | | |
| Cyprinidae | hitch | N | HCH | | |
| Cyprinidae | hardhead | N | НН | | Χ |
| Cyprinidae | Sacramento pikeminnow | N | PM | Х | Χ |
| Cyprinidae | Sacramento splittail | N | ST | | |
| Cyprinidae | red shiner | | PRS | Х | X |
| Cyprinidae | fathead minnow | | FHM | | |
| Catostomidae | Sacramento sucker | N | SKR | Х | Χ |
| Ictaluridae | channel catfish | | CCF | | |
| Ictaluridae | white catfish | | WCF | | |
| Ictaluridae | brown bullhead | | BBH | | |
| Poeciliidae | western mosquitofish | | GAM | | Χ |
| Atherinidae | inland silverside | | ISS | Х | Χ |
| Percichthyidae | striped bass | | SB | | |
| Centrarchidae | white/black crappie | | WCR/BCR | | |
| Centrarchidae | warmouth | | WM | | |
| Centrarchidae | green sunfish | | GSF | | |
| Centrarchidae | bluegill | | BG | Х | X |
| Centrarchidae | redear sunfish | | RSF | | Χ |
| Centrarchidae | largemouth bass | | LMB | Х | Χ |
| Centrarchidae | smallmouth bass | | SMB | | X |
| Percidae | bigscale logperch | | BLP | | X |
| Embiotocidae | tule perch | N | TP | Х | |
| Cottidae | prickly sculpin | N | PSCP | | |
| Cottidae | riffle sculpin | N | RSCP | | Χ |
| TOTAL: | 32 | | | 8 | 15 |

2008 species presence designated with $\,'X'$

Table 5. Tuolumne River Seining Summary

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

| Т | TUOLUMNE RIVER SAN JOAQUIN STANISLAUS | | | | | | | | | | | | |
|------------|---------------------------------------|----------|---------|---------|----------------|----------|---------|---------|----------|---------|---------|-------|-------|
| Sampling | Sampling | Salmon | Sites | Average | Growth Rate | Salmon | Sites | Average | Salmon | Sites | Average | Start | End |
| Year | Periods | Captured | Sampled | Density | Index (mm/day) | Captured | Sampled | Density | Captured | Sampled | Density | Date | Date |
| 1986 | 18 | 5514 | 8 | 20.7 | 0.45 | 854 | 3 | 14.2 | | | | 22JAN | 27JUN |
| 1987 | 21 | 14825 | 11 | 22.4 | 0.45 | 734 | 6 | 1.9 | | | | 05JAN | 04JUN |
| 1988 | 14 | 6134 | 11 | 14.3 | 0.58 | 295 | 4 | 2.1 | 84 | 1 | 2.9 | 05JAN | 17MAY |
| 1989 | 13 | 10043 | 11 | 27.0 | 0.64 | 83 | 3 | 0.6 | 1206 | 1 | 45.4 | 05JAN | 12MAY |
| 1990 | 14 | 2286 | 11 | 6.0 | 0.57 | 48 | 3 | 0.5 | | | | 04JAN | 11MAY |
| 1991 | 8 | 120 | 11 | 0.5 | No estimate | 0 | 3 | 0 | 3 | 1 | 0.2 | 15JAN | 24MAY |
| 1992 | 5 | 144 | 7 | 1.2 | No estimate | 0 | 3 | 0 | 54 | 1 | 3.9 | 27JAN | 13MAY |
| 1993 | 7 | 124 | 8 | 8.0 | 0.68 | 0 | 3 | 0 | 6 | 1 | 0.3 | 26JAN | 12MAY |
| 1994 | 7 | 2068 | 5 | 21.6 | 0.65 | 2 | 2 | 0 | | | | 25JAN | 20MAY |
| 1995 | 8 | 512 | 5 | 6.1 | 0.79 | 43 | 2 | 1.1 | | | | 09FEB | 12JUL |
| 1996 | 8 | 785 | 6 | 7.6 | 0.66 | 7 | 2* | 0.2 | | | | 17JAN | 13JUN |
| 1997 | 10 | 379 | 7 | 2.7 | 0.48 | 11 | 2* | 0.4 | | | | 14JAN | 28MAY |
| 1998 | 10 | 1950 | 7 | 14.4 | 0.46 | 99 | 2 | 2.5 | | | | 14JAN | 21MAY |
| 1999 | 10 | 3443 | 8 | 24.6 | 0.54 | 560 | 2 | 13.6 | | | | 14JAN | 19MAY |
| 2000 | 10 | 3213 | 8 | 27.0 | 0.46 | 19 | 2 | 0.6 | | | | 11JAN | 17MAY |
| 2001 | 11 | 5567 | 8 | 41.3 | 0.67 | 83 | 2 | 2.6 | | | | 09JAN | 30MAY |
| 2002 | 10 | 3486 | 8 | 25.6 | 0.64 | 0 | 2 | 0 | | | | 15JAN | 21MAY |
| 2003 | 10 | 5983 | 8 | 39.3 | 0.68 | 1 | 2 | 0 | | | | 21JAN | 28MAY |
| 2004 | 11 | 3280 | 8 | 19.3 | 0.55 | 0 | 2 | 0 | | | | 20JAN | 25MAY |
| 2005 | 10 | 1341 | 8 | 8.9 | 0.53 | 8 | 2* | 0.2 | | | | 19JAN | 25MAY |
| 2006 | 11 | 1558 | 8 | 10.2 | 0.79 | 39 | 2 | 1.2 | | | | 20JAN | 15JUN |
| 2007 | 10 | 204 | 8 | 1.5 | 0.58 | 0 | 2 | 0 | | | | 17JAN | 23MAY |
| 2008 | 10 | 198 | 8 | 1.4 | 0.66 | 0 | 2 | 0 | | | | 22JAN | 27MAY |
| Not Sample | Ч | | | | | | | | | | | | |

--- Not Sampled

^{*}All San Joaquin River locations were not always sampled

Table 6. Summary table of locations sampled, 1986-2008

1986 TO 2008 SEINING LOCATIONS TUOLUMNE RIVER

| | | 1986 | 1987 1 | 000 | 1000 | 1000 | 1001 | 1000 | 1002 | 1994 | 1005 | 1006 | 1007 | 1998 | 1000 | 2000 | 2004 | 2002 | 2002 | 2004 | 2005 | 2006 | 2007 | 2008 |
|--------------------------------|------------|------|--------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Site Location | River Mile | 1900 | 1907 | 1900 | 1909 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1990 | 1997 | 1990 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2006 |
| 1 Old La Grange Bridge | 50.5 | Х | Х | Х | Х | Χ | Х | Х | Х | | | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х | Х |
| 2 Riffle 4B | 48.4 | Х | Х | Х | Χ | Χ | Χ | | | | X | Х | X | X | | | | | | | | Х | | |
| 3 Riffle 5 | 47.9 | | X | Х | X | X | X | X | Χ | X | | | | | X | Х | Х | Х | X | Х | X | | Х | Х |
| 4 Tuolumne River Resort | 42.4 | | | X | Χ | Χ | Χ | Χ | Χ | X | X | X | X | X | X | X | Х | X | X | Χ | X | X | X | Х |
| 5 Turlock Lake State Rec. Area | 42.0 | Х | Х | | | | | | | | | | | | | | | | | | | | | |
| 6 Reed Gravel | 34.0 | X | X | X | X | X | X | | | | | | | | | | | | | | | | | |
| 7 Hickman Bridge | 31.6 | Х | Χ | X | Χ | Χ | Χ | Χ | Χ | X | X | X | X | X | X | X | Х | X | X | Χ | X | X | X | Х |
| 8 Charles Road | 24.9 | | X | Х | X | X | X | X | Χ | | | | X | X | X | X | X | Х | X | Х | X | X | Х | Х |
| 9 Legion Park | 17.2 | X | X | X | X | X | X | Х | Χ | X | X | X | X | Х | X | X | | | X | X | X | Х | X | Х |
| 10 RDP / Service Rd. / Venn | 12.3 - 7.4 | | X | X | X | X | X | | | | | | | | X | X | X | Х | X | X | X | Х | X | Х |
| 11 McCleskey Ranch | 6.0 | Х | Χ | X | Χ | Χ | Χ | Χ | Χ | X | | | | | | | | | | | | | | |
| 12 Shiloh Bridge | 3.4 | Χ | | Χ | Х | Χ | Χ | | Х | | Χ | Χ | Χ | Χ | Χ | Χ | X | Х | X | Χ | Χ | Χ | Х | Χ |
| SAN JOAQUIN RIVER | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1986 | 1987 1 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| Site Location | River Mile | | | | | | | | | | | | | | | | | | | | | | | |
| 13 Laird Park | 90.2 | X | | Х | Х | Χ | Χ | Х | Χ | Х | Χ | Χ | Χ | Х | Χ | X | Х | | | Х | X | Х | Х | Х |
| 14 Gardner Cove | 77.8 | | X | Х | Х | Х | Χ | Х | Χ | Х | X | Χ | Χ | X | Χ | Χ | Х | Х | Х | Х | Χ | Х | Х | Х |
| 15 Maze Road | 76.6 | X | | Х | | | | | | | | | | | | | | | | | | | | |
| 16 Sturgeon Bend | 74.3 | | Χ | Х | | | | | | | | | | | | | | | | | | | | |
| 17 Durham Ferry Park | 71.3 | X | | Х | Х | Χ | X | Х | Χ | | | | | | | | | | | | | | | |
| 18 Old River | 53.7 | | Χ | | | | | | | | | | | | | | | | | | | | | |
| STANISLAUS RIVER | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1986 | 1987 1 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| Site Location | River Mile | | | | | | | | | | | | | | | | | | | | | | | |
| 19 Caswell State Park | 8.5 | | | Х | Х | | Х | Х | Х | | | | | | | | | | | | | | | |
| DRY CREEK | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1986 | 1987 1 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| Site Location | River Mile | | | | | | | | | | | | | | | | | | | | | | | |
| 20 Beard Brook Park | 0.5 | | | | | | | Х | Х | | | | | | | | | | | | | | | |

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.

| | | JUVENIL | JUVENILE SEINING | | |
|---------|----------|---------|------------------|-------------|--|
| TUOL.R. | TOTAL | | PEAK | AVERAGE | |
| FALL- | FEMALE | | FRY | FRY DENSITY | |
| RUN | SPAWNERS | | DENSITY | 15JAN-15MAR | |
| 1985 | 22600 | 1986 | 158.8 | 59.5 | |
| 1986 | 3800 | 1987 | 69.3 | 46.2 | |
| 1987 | 4600 | 1988 | 70.2 | 33.9 | |
| 1988 | 4100 | 1989 | 115.1 | 39.7 | |
| 1989 | 680 | 1990 | 11.4 | 5.0 | |
| 1990 | 28 | 1991 | 1.3 | 0.5 | |
| 1991 | 28 | 1992 | 6.1 | 2.9 | |
| 1992 | 55 | 1993 | 1.7 | 0.9 | |
| 1993 | 237 | 1994 | 79.5 | 41.5 | |
| 1994 | 249 | 1995 | 12.5 | 9.8 | |
| 1995 | 522 | 1996 | 16.1 | 13.0 | |
| 1996 | 1142 | 1997 | 2.8 | 2.1 | |
| 1997 | 4224 | 1998 | 49.3 | 24.6 | |
| 1998 | 4527 | 1999 | 78.0 | 39.3 | |
| 1999 | 3535 | 2000 | 78.8 | 48.0 | |
| 2000 | 11260 | 2001 | 126.3 | 85.6 | |
| 2001 | 4970 | 2002 | 92.8 | 41.5 | |
| 2002 | 3876 | 2003 | 164.3 | 68.8 | |
| 2003 | 1768 | 2004 | 38.8 | 27.2 | |
| 2004 | 1004 | 2005 | 20.5 | 14.6 | |
| 2005 | 478 | 2006 | 28.7 | 12.7 | |
| 2006 | 282 | 2007 | 3.7 | 2.2 | |
| 2007 | 80 | 2008 | 2.4 | 1.7 | |
| | | | | | |