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State of California
The Resources Agency
DEPARTMENT OF FISH AND GAME

**CENTRAL VALLEY SALMON AND STEELHEAD
HARVEST MONITORING PROJECT**

2001 ANGLER SURVEY

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2001 ANGLER SURVEY ^{1/}

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SUMMARY

In October 1992, the Central Valley Project Improvement Act (CVPIA) was signed into law. One objective of the CVPIA is to restore the abundance of natural fish stocks in Central Valley Rivers and streams. To achieve this objective, the CVPIA requires the development of restoration actions that ensure sustainable, long-term populations of native anadromous fish stocks. Section 3406(b)(16) of the CVPIA specifies the development of a monitoring and assessment program to evaluate the effectiveness of implemented restoration actions. The Comprehensive Assessment and Monitoring Program (CAMP) was established for this purpose. The CAMP program recommends monitoring of both adult and juvenile fish populations. It was recommended that adult monitoring include spawner returns (escapement) as well as in-river recreational, ocean recreational and commercial harvest estimates.

In 1998, the California Department of Fish and Game (DFG) began the Central Valley Salmon and Steelhead Harvest Monitoring Project to help enumerate the number of adult Chinook salmon and steelhead resulting from natural production in Central Valley Rivers and streams. The harvest monitoring project was initiated to determine annual estimates of the total in-river harvest. In addition, this project will provide limited harvest data of other anadromous and resident sport fish species.

In 2001, the fourth year of the project, the Department conducted an angler survey on the Sacramento River and six major tributaries between January 1st and December 31st, 2001. Due to budget constraints, the Angler Survey Project focused on rivers that had significant angler effort for salmon and steelhead. A total of 21,597 anglers was surveyed who spent an estimated 1,604,546 angler hours sport fishing. Chinook salmon was the target of most anglers surveyed with striped bass being the second most sought after species. Anglers fishing for salmon expended an estimated 1,028,450 hours during the season. Striped bass fishermen expended an estimated 199,866 hours. Angling hours for steelhead were estimated at 53,951 for the areas surveyed.

Anglers fishing for Chinook salmon harvested an estimated 46,068 salmon for the season. Striped bass anglers caught and estimated 5,757 striped bass. Most steelhead anglers practice catch and release, the total harvest for steelhead was 639. There were 6,163 steelhead released.

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INTRODUCTION

Native anadromous fish stocks in many Central Valley Rivers and streams have declined to such a critical level that many stocks are currently listed or are candidates for listing under the State or Federal Endangered Species acts. In an effort to restore the abundance of natural stocks, those salmon and steelhead produced outside of fish hatcheries, the Central Valley Project Improvement Act (CVPIA) was enacted in October, 1992. The CVPIA calls for the development of restoration actions that ensure long-term sustainable populations of native anadromous fish stocks. To evaluate the effectiveness of restoration actions, the Comprehensive Assessment and Monitoring Program (CAMP) was developed under Section 3406(b)(16) of the CVPIA.

To assist in the CAMP monitoring program, the California Department of Fish and Game (DFG) developed the Central Valley Salmon and Steelhead Harvest Monitoring Project. The DFG has used angler surveys in the past to monitor the harvest of anadromous fish within Central Valley Rivers and streams. Unfortunately, no comprehensive or long-term (more than 5 years) surveys have been made on a consistent basis. This project is designed as a long-term monitoring program to determine annual estimates of total in-river harvest of sport fish from the Sacramento River and major tributaries. Also, the data will complement and enhance other ongoing DFG harvest monitoring programs such as Department's adult striped bass, adult sturgeon, and ocean salmon harvest. This project originated in April, 1998 and is into its fourth year.

STUDY AREA

The study area consists of 554 miles of the Sacramento River and major tributaries which were divided into 20 sampling sections. The rivers comprising the study area are: Sacramento River from Carquinez Bridge upstream to the Anderson-Cottonwood Irrigation District (ACID) Dam in Redding (eight sections); Feather River from its confluence with the Sacramento River at Verona upstream to the Oroville Project Fish Barrier Dam in Oroville (three sections); Yuba River from the confluence with the Feather River near Marysville to one mile upstream of the Highway 20 bridge crossing (two sections); American River from its confluence with the Sacramento River at Discovery Park upstream to Nimbus Dam (three sections); San Joaquin River from its confluence with the Sacramento River upstream to Mossdale Crossing near Tracy (one section); South Fork Mokelumne River from its confluence with the San Joaquin River upstream to Interstate 5 bridge crossing including the North Fork Mokelumne River (two sections); Stanislaus River from McHenry Avenue bridge near Meyers upstream to Goodwin Dam (one section) (Figure 1).

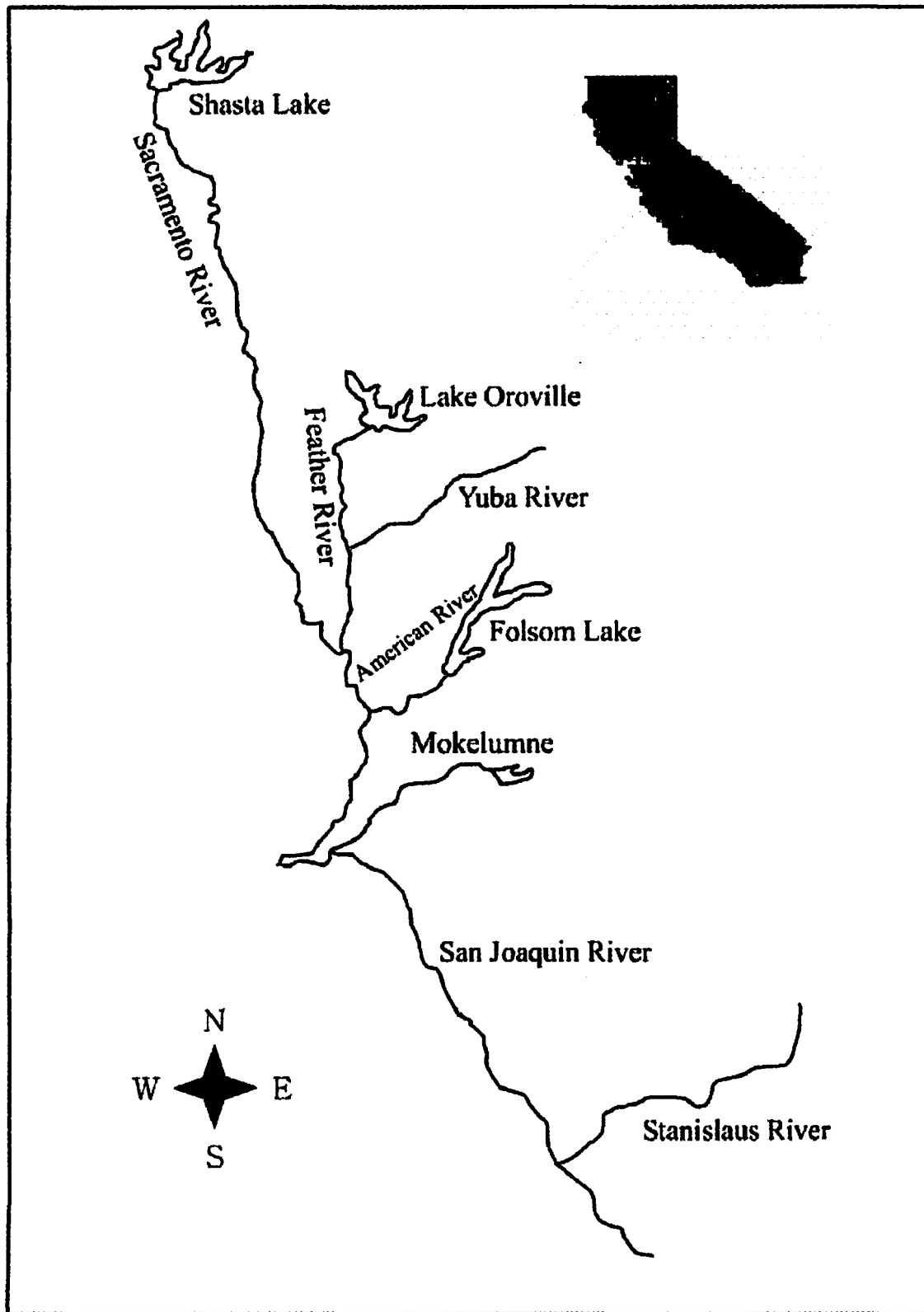


Figure 1. Angler Survey Rivers

PROCEDURES

Statistical Design

A stratified random sample design, based on the design used by the Sacramento River System Sport Fish Inventory (Wixom et al. 1995), was used to estimate the in-river harvest during the daytime sport fishery. While a night fishery exists in the Central Valley Rivers, no effort was made by this survey to evaluate the harvest by night time sport anglers.

A total of twenty sections was sampled. Sixteen of these sample sections ranged in length from 4 to 58 river miles. Two sample sections, that represented unique fisheries, were approximately one river mile in length. Sampling schedules and data summaries were compiled on a monthly basis. Months were arbitrarily chosen as sample periods.

All sample sections were surveyed eight randomly selected times each month – four weekdays and four weekend days. Weekdays and weekend days were placed in separate strata because more angling effort is commonly associated with weekend days.

Sample sections were surveyed by kayaks, drift boats or power boats with the exception of the Stanislaus River. Kayaks were used in shallow upstream reaches while power boats were used in rivers where tides, wind, and waves demanded the use of more seaworthy boats. The Stanislaus River was sampled by visiting designated access points between McHenry Avenue Bridge and Goodwin Dam. If vehicle(s) are present at an access point, then the creel clerk tries to locate the angler(s) by hiking along the stream bank until found. Sampling below McHenry Avenue Bridge was not feasible because of the limited public access and difficulty in locating anglers.

For each section surveyed, a random start time and launch location were chosen. Start times were classified as either early or late. An early start time was scheduled to begin ½ hour after sunrise, while a late start time would vary depending on length of section and time of year. Typically, a late start time was scheduled so that the survey would end at or near sunset. Launch locations would either be at the upstream or downstream end of the sections to be surveyed. In those sections where kayaks were used, the launch location was always at the upstream end of the section.

All data collected were linked by river mile. Actual river miles were used for the Sacramento River sections. Each tributary was given a unique number series to identify it from other rivers in the database. The number series assigned to each tributary were as follows: Feather River, 400 series; American River, 500 series; Yuba River, 600 series; San Joaquin River, 700 series; South Fork Mokelumne River, 800 series; North Fork Mokelumne River, 900 series; Stanislaus River, 1000 series. River mile designations were marked in ascending order from downstream to upstream.

Data Collection

Three field data sets were required to calculate use and catch: hourly counts, angler counts, and angler interviews. Hourly counts determined the portion of the whole represented by the sample day angler count. For this survey, hourly counts collected by Wixom (1995) were used. Where hourly count data were unavailable, data sets were developed by using the hourly counts of representative rivers.

On each sampling day, the procedure was to make a high speed pass to the end of the section. This first pass was called the angler count. Data collected during the angler count included: time of observation, location by river mile, number of boats, number of boat anglers, and the number of shore anglers. At the end of the angler count, a second pass was made traveling back through the section to conduct angler interviews. Prior to beginning the interviews, the survey crew determined the feasibility of interviewing all anglers counted during the angler count. If it was determined that this was not feasible, then they randomly chose an N^{th} angler to be interviewed. Once an N^{th} angler interval was chosen, that interval was maintained through the entire section for that survey date. Data collected during each interview included: location by river mile, fishing method, number of hours fished, number of anglers in group, target species, zip code, whether the trip was completed, and the number of fish kept and released by species.

Nine sport fish species found in the Central Valley rivers were considered "Target Species." Those species were: Chinook salmon, steelhead, Rainbow trout, striped bass, sturgeon (all species), American shad, catfish (all species), sunfish (all species), and black bass (all species) (Table 1). If anglers did not indicate they were fishing for one of the target species, the code "ANY" was used.

The number of fish kept and released was recorded separately for each of the nine target species. All other fish species caught were recorded separately by species in a column labeled "Other" (Table 2).

A length measurement was used to differentiate between steelhead and rainbow trout. All rainbow trout 18 inches or greater were considered to be steelhead. Rainbow trout less than 18 inches were recorded as rainbow trout (McEwan, personal contact 1998)¹.

Additional data were collected from five of the nine target species when kept by anglers. The five species were: Chinook salmon, steelhead, rainbow trout, striped bass and sturgeon. Each fish was measured to the nearest 0.5 centimeter fork length and inspected for any marks or tags. A total length measurement was taken on sturgeon. All Chinook salmon and steelhead caught were inspected for the presence of an adipose fin. A salmon missing an adipose fin indicated the fish was of hatchery origin and likely contained a coded-wire tag (CWT) in its head. The head was removed from adipose fin clipped fish and sent to the DFG Ocean Salmon Project laboratory in Healdsburg for later analysis.

¹D. McEwan, 1998, Senior Biologist, California Department of Fish and Game.

Table 1. Species symbols, common and scientific names of target species observed in the 2001 Angler Survey, January 1 through December 31, 2001.

| Family | Target Species | Species Symbol | Common Name | Scientific Name |
|----------------|----------------|----------------|---|---------------------------------|
| Salmonidae: | Chinook Salmon | KS | King Salmon | <i>Oncorhynchus tshawytscha</i> |
| | Steelhead | SH | Steelhead Trout | <i>Oncorhynchus mykiss</i> |
| | Rainbow Trout | RT | Rainbow Trout | <i>Oncorhynchus mykiss</i> |
| Moronidae: | Striped Bass | SB | Striped Bass | <i>Morone saxatilis</i> |
| Acipenseridae: | Sturgeon | ST | White Sturgeon | <i>Acipenser transmontanus</i> |
| Clupeidae: | American Shad | AS | American Shad | <i>Alosa sapidissima</i> |
| Ictaluridae: | Catfish | CF | Channel Catfish | <i>Ictalurus punctatus</i> |
| | | | White Catfish | <i>Ameiurus catus</i> |
| | | | Brown Bullhead | <i>Ameiurus nebulosus</i> |
| | | | Black Bullhead | <i>Ameiurus melas</i> |
| Centrarchidae: | Sunfish | SF | Bluegill | <i>Lepomis macrochirus</i> |
| | | | Redear Sunfish | <i>Lepomis microlophus</i> |
| | | | Black Crappie | <i>Pomoxis nigromaculatus</i> |
| | Black Bass | BB | Largemouth | <i>Micropterus salmoides</i> |
| Other: | Any Species | ANY | The "ANY" designations was used for anglers who indicated they were not fishing for a specific species. | |

Table 2. Non-target species symbols, common and scientific names of species observed in the 2001 Angler Survey, January 1 through December 31, 2001.

| Family | Common Name | Species Symbol | Scientific Name |
|------------------------|--------------------------|-----------------------|------------------------------------|
| Salmonidae: | Brown Trout | BN | <i>Salmo trutta</i> |
| Cyprinidae: | Common Carp | CP | <i>Cyprinus carpio</i> |
| | Splittail | SPT | <i>Pogonichthys macrolepidotus</i> |
| | Squawfish | SQ | <i>Ptychocheilus grandis</i> |
| Catostomidae: | Sacramento Sucker | SKR | <i>Catostomus occidentalis</i> |
| Pleuronectidae: | Starry Flounder | STR | <i>Platichthys stellatus</i> |

Estimate Calculations

Sample day estimates for angler-hours were created by dividing the observed angler count by the average hourly count within the respective hour interval. The mean of the sample days within a stratum was expanded by the number of days available in the month to obtain the total for the stratum. For each month and section, weekend and weekday strata were combined for total estimated angler-hours as follows:

$$\text{TOTALAH}_i = ((\text{ALLWD}_i * \text{WDAVG}_i) + (\text{ALLWE}_i * \text{WEAVG}_i))$$

TOTALAH_i = total angler-hours (the subscript i denotes the stratum containing a particular combination of section and month).

ALLWD_i and ALLWE_i = number of weekdays and weekend days, respectively available in the month.

WDAVG_i and WEAVG_i = mean of expanded sample-day angler-hours for weekdays and weekend days, respectively.

Hourly count data were not available for all rivers surveyed. For example, Feather River hourly counts were used with Yuba River angler count data; Sacramento River counts were used with San Joaquin River and Mokelumne River angler count data; and American River hourly counts were used with Stanislaus River angler count data.

Angler hour estimates were scaled down to each species by multiplying the total angler-hours by the observed percent distribution of effort for each target species:

$$\text{TOTALAHSP}_{ij} = \text{TOTALAH}_i * \text{FISHHRS}_{ij}$$

TOTALAHSP_{ij} = estimated angler-hours (subscript i denotes the stratum containing a particular combination of section and month, j denotes target species)

TOTALAH_i = total angler-hours (the subscript i denotes the stratum containing a particular combination of section and month).

FISHHRS_{ij} = the ratio of the sample total angler-hours for species "j" divided by the sample total angler-hours for all species in section and month "i".

Catch per unit effort, (CPUE) was calculated from the sample total number of fish caught divided by the sample total hours fished for each target species within the selected month and

section "i". It was assumed that the catch rate was the same for all days of the week. Separate values were calculated for harvested and released fish. Therefore:

$$CPUE_{ij} = SUMFISH_{ij}/SUMHRS_{ij}$$

$CPUE_{ij}$ = catch-per-unit-effort for harvested or released target species.

$SUMFISH_{ij}$ = total observed number of fish harvested or released.

$SUMHRS_{ij}$ = total observed angler-hours expended to catch and release a target species.

Catch is the product of the estimated angler-hours and CPUE for target species, section, and month selected, where:

$$CATCH_{ij} = TOTALAHSP_{ij} * CPUE_{ij}$$

$CATCH_{ij}$ = Estimated catch for a harvested or released target species.

$TOTALAHSP_{ij}$ = estimated angler-hours (subscript i denotes the stratum containing a particular combination of section and month, j denotes target species)

$CPUE_{ij}$ = catch-per-unit-effort for harvested or released target species.

FINDINGS

This is the fourth year of a multi-year project designed to estimate angler effort and harvest. Angler surveys were conducted on the Sacramento, Feather, Yuba, American, San Joaquin, Mokelumne, and Stanislaus rivers at various times between January 1 and December 31, 2001. All rivers were not sampled for the entire year. These data represents estimates for the various rivers only for the portion of the year that sampling occurred. Limited sampling was due to budget reductions which did not allow all rivers to be sampled for the entire year or open season. Hence, the project focused on rivers that had significant angler effort for salmon and steelhead which was based on past survey results (Murphy et al., 1998, 1999, and 2000). A total of 21,597 anglers was interviewed, and these data form the basis for the angling effort and harvest estimates. Sport anglers spent an estimated 1,604,546 angler-hours fishing in the Central Valley Rivers surveyed. Chinook salmon was the species targeted by most anglers followed by striped bass.

The salmon season opened July 15, 2001 on the Sacramento River and closed January 13, 2002. Steady angling continued through the season with the peak in angling effort occurring in September and October. In 2001, anglers spent an estimated total of 1,003,818 hours fishing for Chinook salmon in the Sacramento River. Anglers harvested an estimated 45,063 salmon for their efforts. Striped bass was the second most targeted species. Striped bass and steelhead were also encountered during this time. In 2001, an estimated total of 105,860 hours was spent targeting striped bass with an estimated total of 2,836 striped bass harvested during the sample period. Hours spent fishing for steelhead was estimated at 3,369. Most anglers practice catch and release, thus many steelhead are not counted in the harvest estimates. An estimated total of 89 steelhead were retained with 681 estimated released.

Angler surveys for the American River were conducted during January 2001 and from March 1 through June 30, 2001. During the sampling period steelhead was the primary target of most anglers followed by striped bass and then Chinook salmon. A total of 38,128 hours, 20,648 hours, and 5,667 hours were expended in pursuit of steelhead, striped bass and Chinook salmon, respectively. Anglers harvested an estimated 479 steelhead (3,120 released), 432 striped bass (1,369 released), and 304 Chinook salmon (247 released) during the sampling period.

The Feather River was surveyed in January 2001 and then again from March 1, through June 30, 2001. Water levels on the Feather River were very low throughout the year resulting in decreased angler effort and harvest. The greatest angling effort was for striped bass with significantly less effort for Chinook salmon and steelhead, during the sampling period. An estimated total of 60,206 angler hours was spent fishing for striped bass with 18,965 and 12,087 angler hours spent fishing for Chinook salmon and steelhead, respectively. Harvest estimates for striped bass, Chinook salmon and steelhead was 1,993 (1,865 released), 700 (114 released), and 70 (2,296 released) fish, respectively.

The Yuba, San Joaquin, Stanislaus and Mokelumne rivers were not sampled for most of the 2001 season due to inadequate funding. The project only surveyed in January for the rivers mentioned above.

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APPENDIX A

Description of the River Sections Surveyed

| River Miles | Section Number | Description | Distance (Miles) |
|--------------------------------|----------------|--|------------------|
| Sacramento River/Delta | | | |
| -22 to 12 | 1.0 | Carquinez Bridge to Rio Vista Bridge | 35 |
| 13 to 59 | 2.0 | Rio Vista Bridge to mouth of American River | 48 |
| 60 to 89 | 3.0 | American River to Knights Landing (Hwy. 113 Bridge) | 29 |
| 90 to 143 | 4.0 | Knights Landing to Colusa (River Rd. Bridge) | 54 |
| 144 to 199 | 5.0 | Colusa to Hamilton City (Hwy. 32 Bridge) | 56 |
| 200 to 242 | 6.0 | Hamilton City to Red Bluff Diversion Dam | 43 |
| 243 to 280 | 7.0 | Red Bluff Diversion Dam to Deschutes Road Bridge | 38 |
| 281 to 298 | 8.0 | Deschutes Road Bridge to ACID Dam at Redding | 18 |
| American River | | | |
| 500 to 504 | 9.0 | Discovery Park to Interstate 80 Bridge | 4 |
| 505 to 522 | 10.0 | Interstate 80 Bridge to Hazel Avenue Bridge | 18 |
| 523 | 10.1 | Hazel Avenue Bridge to Nimbus Dam | 1 |
| Feather River | | | |
| 400 to 438 | 11.0 | Verona to Sunset Pumps | 39 |
| 439 to 458 460 to 467 | 12.0 | Sunset Pumps to Feather River Fish Hatchery (excluding Thermalito River outlet) | 28 |
| 459 | 12.1 | Thermalito River Outlet (only) | 1 |
| Yuba River | | | |
| 600 to 612 | 13.0 | Marysville to Daguerre Point Dam | 13 |
| 613 to 622 | 14.0 | Daguerre Point to 1 mile upstream Hwy. 20 Bridge | 8 |
| San Joaquin River/Delta | | | |
| 700 to 757 | 15.0 | Mossdale Crossing to the confluence with the Sacramento River | 58 |
| Mokelumne River | | | |
| 800 to 822 | 16.0 | South Fork - from mouth to Interstate 5 Bridge Crossing | 23 |
| 900 to 910 | 17.0 | North Fork - from mouth to confluence with South Fork at New Hope Landing | 11 |
| Stanislaus River | | | |
| 1029 to 1058 | 18.0 | Stanislaus River from McHenry Avenue to Goodwin Dam | 29 |

APPENDIX B

Estimated Angler-Hours and Number of Days Sampled

TOTAL NUMBER OF ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | | San Joaquin | Mokelumne | Stanislaus | | |
|--------------|------------|---------|---------|---------|---------|---------|---------|--------|----------|--------|--------|---------|--------|--------|-------|-------|-------------|-----------|------------|-------|-----------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 46,255 | 11,815 | 4,587 | 4,510 | 3,892 | 4,112 | 4,788 | 4,715 | 874 | 22,432 | 6,240 | 1,135 | 5,693 | 204 | 681 | 3,242 | 11,845 | 2,316 | 853 | 3,239 | 143,427 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 4,063 | 12,022 | 1,231 | 47,273 | 3,898 | 405 | | | | | | | 68,892 |
| April | | | | | | | | | 10,228 | 8,033 | 504 | 11,884 | 3,413 | 453 | | | | | | | 34,513 |
| May | | | | | | | | | 8,369 | 12,186 | 604 | 12,928 | 3,751 | 3,089 | | | | | | | 40,925 |
| June | | | | | | | | | 2,985 | 14,014 | 7,134 | 4,891 | 6,280 | 10,686 | 1,940 | 2,154 | | | | | 50,064 |
| July | | 41,719 | 23,301 | 15,260 | 26,872 | 80,228 | 5,546 | 5,779 | | | | | | | | | | | | | 198,705 |
| August | | 53,029 | 31,698 | 43,122 | 34,484 | 44,475 | 9,732 | 7,992 | | | | | | | | | | | | | 224,533 |
| September | | 151,486 | 52,801 | 33,005 | 32,038 | 41,277 | 35,439 | 5,937 | | | | | | | | | | | | | 351,983 |
| October | | 179,902 | 61,038 | 11,709 | 18,723 | 22,476 | 27,779 | 19,536 | | | | | | | | | | | | | 341,164 |
| November | | 35,691 | 16,401 | 7,973 | 10,220 | 9,745 | 14,048 | 9,838 | | | | | | | | | | | | | 103,915 |
| December | | 21,817 | 1,768 | 3,483 | 2,637 | 5,607 | 3,803 | 7,309 | | | | | | | | | | | | | 46,424 |
| TOTAL: | 46,255 | 495,459 | 191,595 | 119,062 | 128,868 | 207,921 | 101,134 | 61,105 | 26,518 | 68,688 | 15,713 | 78,109 | 23,015 | 14,838 | 2,621 | 5,396 | 11,845 | 2,316 | 853 | 3,239 | 1,604,546 |

TOTAL NUMBER OF SAMPLE-DAYS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | | San Joaquin | Mokelumne | Stanislaus | | |
|--------------|------------|----|----|----|----|----|----|----|----------|----|------|---------|----|------|------|----|-------------|-----------|------------|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 5 | 7 | 8 | 7 | 6 | 6 | 8 | 8 | 8 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | 5 | 8 | 8 | 6 | 138 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 7 | 7 | 7 | 6 | 6 | 6 | | | | | | | 39 |
| April | | | | | | | | | 6 | 6 | 6 | 6 | 6 | 6 | | | | | | | 42 |
| May | | | | | | | | | 8 | 8 | 8 | 8 | 7 | 7 | | | | | | | 46 |
| June | | | | | | | | | 8 | 8 | 8 | 8 | 6 | 6 | 6 | 6 | | | | | 56 |
| July | | 8 | 8 | 6 | 7 | 8 | 8 | 8 | | | | | | | | | | | | | 53 |
| August | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | | | | | | | | | | | | | 56 |
| September | | 6 | 6 | 7 | 7 | 8 | 8 | 7 | | | | | | | | | | | | | 49 |
| October | | 8 | 8 | 7 | 6 | 7 | 5 | 8 | | | | | | | | | | | | | 49 |
| November | | 7 | 8 | 7 | 8 | 5 | 8 | 8 | | | | | | | | | | | | | 51 |
| December | | 8 | 8 | 8 | 6 | 8 | 7 | 8 | | | | | | | | | | | | | 53 |
| TOTAL: | 5 | 52 | 54 | 50 | 48 | 50 | 52 | 55 | 37 | 37 | 37 | 38 | 33 | 33 | 12 | 12 | 5 | 8 | 8 | 6 | 632 |

APPENDIX C

Estimated Harvest, Released and Angler-Hours by Target Species

CHINOOK SALMON

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | American | | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|--------|-------|-------|-------|-------|-------|----------|---|----|------|---------|-----|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 18 | 101 | 56 | 273 | 63 | 104 | 0 | 0 | 0 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 670 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 32 | 39 | | | | | | | 71 |
| June | | | | | | | | | 0 | 0 | 247 | 0 | 125 | 505 | 0 | 0 | | | | | 877 |
| July | | 129 | 87 | 293 | 835 | 2,829 | 18 | 0 | | | | | | | | | | | | | 4,191 |
| August | | 292 | 180 | 1,600 | 1,104 | 2,554 | 402 | 0 | | | | | | | | | | | | | 6,222 |
| September | | 5,797 | 1,407 | 1,466 | 2,858 | 2,223 | 2,540 | 0 | | | | | | | | | | | | | 18,292 |
| October | | 7,531 | 2,497 | 264 | 779 | 1,238 | 1,602 | 0 | | | | | | | | | | | | | 13,911 |
| November | | 564 | 409 | 297 | 737 | 576 | 518 | 0 | | | | | | | | | | | | | 3,102 |
| December | | 0 | 0 | 0 | 95 | 369 | 299 | 0 | | | | | | | | | | | | | 733 |
| TOTAL: | 0 | 14,329 | 4,663 | 4,066 | 8,679 | 9,852 | 5,454 | 0 | 0 | 0 | 304 | 0 | 156 | 544 | 0 | 0 | 0 | 0 | 0 | 0 | 48,068 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | | |
|--------------|------------|-----|-----|----|-----|-----|-----|----------|---|----|---------|----|----|------|-------------|-----------|------------|-------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| February | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 78 | | | | | | | 78 |
| June | | | | | | | | | 0 | 0 | 247 | 0 | 0 | 36 | 0 | 0 | | | | | 283 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| August | | 0 | 0 | 15 | 24 | 0 | 11 | 0 | | | | | | | | | | | | | 50 |
| September | | 0 | 45 | 82 | 75 | 82 | 412 | 0 | | | | | | | | | | | | | 696 |
| October | | 872 | 329 | 0 | 118 | 74 | 147 | 0 | | | | | | | | | | | | | 1,541 |
| November | | 18 | 54 | 0 | 174 | 0 | 27 | 0 | | | | | | | | | | | | | 273 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 890 | 428 | 98 | 391 | 172 | 598 | 0 | 0 | 0 | 247 | 0 | 0 | 114 | 0 | 0 | 0 | 0 | 0 | 0 | 2,938 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | | |
|--------------|------------|---------|---------|--------|---------|---------|--------|----------|----|-----|---------|-----|-------|--------|-------------|-----------|------------|----|----|----|-----------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 562 | 1,234 | 647 | 3,000 | 3,159 | 1,677 | 0 | 0 | 27 | 636 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,942 |
| February | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 0 | 27 | 0 | 0 | 0 | 0 | | | | | | | 27 |
| May | | | | | | | | | 0 | 46 | 0 | 0 | 1,091 | 3,050 | | | | | | | 4,187 |
| June | | | | | | | | | 51 | 488 | 4,392 | 322 | 4,267 | 10,235 | 0 | 0 | | | | | 19,755 |
| July | | 12,878 | 16,734 | 10,074 | 21,625 | 74,898 | 555 | 0 | | | | | | | | | | | | | 136,784 |
| August | | 25,366 | 26,090 | 40,610 | 31,808 | 43,340 | 8,010 | 0 | | | | | | | | | | | | | 175,213 |
| September | | 131,963 | 49,388 | 31,250 | 30,135 | 39,636 | 30,242 | 0 | | | | | | | | | | | | | 312,614 |
| October | | 164,622 | 58,667 | 9,557 | 16,721 | 20,877 | 22,071 | 0 | | | | | | | | | | | | | 292,516 |
| November | | 18,293 | 13,081 | 5,655 | 9,456 | 8,332 | 10,903 | 0 | | | | | | | | | | | | | 65,721 |
| December | | 0 | 0 | 0 | 2,174 | 5,314 | 3,223 | 0 | | | | | | | | | | | | | 10,711 |
| TOTAL: | 0 | 353,704 | 165,165 | 97,793 | 114,920 | 195,556 | 78,680 | 0 | 51 | 588 | 5,028 | 322 | 5,358 | 13,285 | 0 | 0 | 0 | 0 | 0 | 0 | 1,028,450 |

STEELHEAD

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|---|---|----|---|----|----|----|----------|-----|------|---------|----|------|------|-------------|-----------|------------|-------|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 177 | 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 243 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 190 | 0 | 0 | 70 | 0 | | | | | | | 260 |
| April | | | | | | | | | 0 | 54 | 0 | 0 | 0 | 0 | | | | | | | 54 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 55 | 0 | | | | | | | | | | | | | 55 |
| November | | 0 | 0 | 12 | 0 | 13 | 0 | 0 | | | | | | | | | | | | | 25 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 12 | 0 | 13 | 55 | 0 | 0 | 422 | 57 | 0 | 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 639 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|----|---|---|----|-----|-----|----|----------|-------|------|---------|-------|------|------|-------------|-----------|------------|-------|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 16 | 0 | 0 | 0 | 0 | 122 | 0 | 0 | 1,554 | 198 | 0 | 962 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 2,918 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 886 | 155 | 0 | 562 | 0 | | | | | | | 1,603 |
| April | | | | | | | | | 0 | 327 | 0 | 0 | 581 | 0 | | | | | | | 908 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 191 | 0 | | | | | | | 191 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 30 | 0 | 0 | | | | | | | | | | | | | 30 |
| September | | 0 | 0 | 0 | 0 | 0 | 41 | 0 | | | | | | | | | | | | | 41 |
| October | | 0 | 0 | 0 | 0 | 29 | 331 | 0 | | | | | | | | | | | | | 361 |
| November | | 0 | 0 | 0 | 27 | 0 | 41 | 0 | | | | | | | | | | | | | 68 |
| December | | 0 | 0 | 0 | 0 | 43 | 0 | 0 | | | | | | | | | | | | | 43 |
| TOTAL: | 0 | 16 | 0 | 0 | 27 | 103 | 535 | 0 | 0 | 2,767 | 353 | 0 | 2,296 | 0 | 0 | 67 | 0 | 0 | 0 | 0 | 6,183 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|-----|-----|----|-----|-------|-------|----|----------|--------|-------|---------|--------|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 208 | 111 | 0 | 74 | 289 | 330 | 0 | 134 | 21,879 | 5,378 | 87 | 5,540 | 204 | 155 | 214 | 0 | 0 | 0 | 0 | 34,580 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 8,020 | 1,085 | 0 | 3,116 | 329 | | | | | | | 12,551 |
| April | | | | | | | | | 0 | 1,593 | 0 | 19 | 1,220 | 113 | | | | | | | 2,945 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 669 | 0 | | | | | | | 669 |
| June | | | | | | | | | 0 | 38 | 0 | 0 | 789 | 0 | 0 | 0 | | | | | 827 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 299 | 0 | 0 | | | | | | | | | | | | | 299 |
| September | | 0 | 0 | 0 | 0 | 0 | 27 | 0 | | | | | | | | | | | | | 27 |
| October | | 0 | 0 | 0 | 0 | 265 | 787 | 22 | | | | | | | | | | | | | 1,074 |
| November | | 0 | 0 | 43 | 157 | 228 | 170 | 0 | | | | | | | | | | | | | 599 |
| December | | 0 | 0 | 0 | 76 | 293 | 10 | 0 | | | | | | | | | | | | | 379 |
| TOTAL: | 0 | 208 | 111 | 43 | 307 | 1,354 | 1,328 | 22 | 134 | 31,531 | 6,463 | 106 | 11,334 | 647 | 155 | 214 | 0 | 0 | 0 | 0 | 53,951 |

RAINBOW TROUT

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|---|---|---|----|----|-----|----|----------|-----|------|---------|----|------|------|-------------|-----------|------------|-------|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 285 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 285 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | | | | | 28 |
| July | | 0 | 0 | 0 | 0 | 0 | 73 | 0 | | | | | | | 0 | | | | | | 73 |
| August | | 0 | 0 | 0 | 0 | 0 | 45 | 0 | | | | | | | | | | | | | 45 |
| September | | 0 | 0 | 0 | 0 | 0 | 110 | 0 | | | | | | | | | | | | | 110 |
| October | | 0 | 0 | 0 | 0 | 29 | 0 | 43 | | | | | | | | | | | | | 73 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 0 | 11 | 29 | 227 | 43 | 0 | 285 | 0 | 0 | 0 | 0 | 0 | 28 | 0 | 0 | 0 | 0 | 623 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | | San Joaquin | Mokelumne | | Stanislaus | TOTAL |
|--------------|------------|---|---|---|-----|-------|--------|--------|----------|-----|------|---------|-----|------|------|-------|-------------|-----------|----|------------|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 55 | 18 | 1,633 | 1,563 | 0 | 0 | 0 | 0 | 0 | 0 | 31 | 710 | 0 | 0 | 0 | 2,313 | 6,321 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 253 | 0 | 0 | 0 | 0 | | | | | | | 253 |
| April | | | | | | | | | 0 | 54 | 0 | 0 | 523 | 0 | | | | | | | 577 |
| May | | | | | | | | | 0 | 31 | 0 | 0 | 32 | 0 | | | | | | | 63 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 42 | 0 | 431 | 2,126 | | | | | 2,599 |
| July | | 0 | 0 | 0 | 0 | 103 | 1,909 | 4,712 | | | | | | | | | | | | | 6,725 |
| August | | 0 | 0 | 0 | 0 | 45 | 436 | 4,507 | | | | | | | | | | | | | 4,987 |
| September | | 0 | 0 | 0 | 0 | 82 | 3,982 | 2,277 | | | | | | | | | | | | | 6,321 |
| October | | 0 | 0 | 0 | 118 | 368 | 5,948 | 9,018 | | | | | | | | | | | | | 15,453 |
| November | | 0 | 0 | 0 | 0 | 442 | 1,199 | 2,608 | | | | | | | | | | | | | 4,250 |
| December | | 0 | 0 | 0 | 0 | 0 | 185 | 5,046 | | | | | | | | | | | | | 5,233 |
| TOTAL: | 0 | 0 | 0 | 0 | 173 | 1,037 | 15,294 | 29,732 | 0 | 338 | 0 | 0 | 598 | 0 | 462 | 2,836 | 0 | 0 | 0 | 2,313 | 52,780 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | | San Joaquin | Mokelumne | Stanislaus | | |
|--------------|------------|---|---|---|-------|-------|--------|--------|----------|-------|------|---------|-------|------|-------|-------|-------------|-----------|------------|-------|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 374 | 99 | 2,371 | 4,707 | 0 | 27 | 0 | 0 | 154 | 0 | 498 | 3,021 | 0 | 0 | 0 | 1,069 | 12,918 |
| February | | | | | | | | | | | | 0 | 140 | 0 | | | | | | | 0 |
| March | | | | | | | | | 12 | 1,297 | 0 | 0 | 140 | 0 | | | | | | | 1,450 |
| April | | | | | | | | | 0 | 422 | 0 | 0 | 1,017 | 0 | | | | | | | 1,439 |
| May | | | | | | | | | 0 | 330 | 0 | 0 | 167 | 0 | | | | | | | 497 |
| June | | | | | | | | | 103 | 210 | 0 | 0 | 249 | 0 | 910 | 2,154 | | | | | 3,626 |
| July | 0 | 0 | 0 | 0 | 0 | 224 | 4,778 | 5,765 | | | | | | | | | | | | | 10,767 |
| August | 0 | 0 | 0 | 0 | 0 | 22 | 1,471 | 7,913 | | | | | | | | | | | | | 9,407 |
| September | 0 | 0 | 0 | 0 | 0 | 638 | 4,957 | 5,889 | | | | | | | | | | | | | 11,481 |
| October | 0 | 0 | 0 | 0 | 366 | 960 | 4,875 | 19,407 | | | | | | | | | | | | | 25,629 |
| November | 0 | 0 | 0 | 0 | 375 | 1,146 | 2,838 | 9,716 | | | | | | | | | | | | | 14,075 |
| December | | | | 0 | 0 | 0 | 569 | 7,304 | | | | | | | | | | | | | 7,873 |
| TOTAL: | 0 | 0 | 0 | 0 | 1,115 | 3,109 | 21,881 | 60,699 | 115 | 2,286 | 0 | 0 | 1,727 | 0 | 1,406 | 5,175 | 0 | 0 | 0 | 1,069 | 99,161 |

AMERICAN SHAD

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|---|---|---|-----|-----|---|----|----------|-------|------|---------|----|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 117 | 0 | 0 | 0 | 0 | 0 | | | | | | | 117 |
| May | | | | | | | | | 229 | 0 | 0 | 6,880 | 0 | 0 | | | | | | | 7,109 |
| June | | | | | | | | | 77 | 2,562 | 0 | 114 | 0 | 0 | 0 | 0 | | | | | 2,752 |
| July | | 0 | 0 | 0 | 104 | 483 | 0 | 0 | | | | | | | | | | | | | 587 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 0 | 104 | 483 | 0 | 0 | 423 | 2,562 | 0 | 6,994 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10,586 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|---|---|---|-----|-------|---|----|----------|--------|------|---------|-----|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 176 | 163 | 0 | 0 | 0 | 0 | | | | | | | 339 |
| May | | | | | | | | | 2,783 | 0 | 0 | 6,777 | 414 | 0 | | | | | | | 9,975 |
| June | | | | | | | | | 51 | 10,859 | 0 | 757 | 208 | 144 | 0 | 0 | | | | | 12,019 |
| July | | 0 | 0 | 0 | 191 | 2,104 | 0 | 0 | | | | | | | | | | | | | 2,295 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 0 | 191 | 2,104 | 0 | 0 | 3,011 | 11,023 | 0 | 7,534 | 622 | 144 | 0 | 0 | 0 | 0 | 0 | 0 | 24,629 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|---|---|---|-----|-------|---|----|----------|--------|-------|---------|-------|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 1,203 | 313 | 0 | 0 | 0 | 0 | | | | | | | 1,516 |
| May | | | | | | | | | 3,422 | 8,331 | 0 | 9,011 | 1,656 | 0 | | | | | | | 22,420 |
| June | | | | | | | | | 327 | 10,361 | 1,237 | 1,362 | 332 | 90 | 0 | 0 | | | | | 13,731 |
| July | | 0 | 0 | 0 | 317 | 1,889 | 0 | 0 | | | | | | | | | | | | | 2,206 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 0 | 317 | 1,889 | 0 | 0 | 4,953 | 19,025 | 1,237 | 10,373 | 1,989 | 90 | 0 | 0 | 0 | 0 | 0 | 0 | 39,673 |

STRIPED BASS

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|-------|----|----|-----|-----|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|-------|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 519 | 111 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 367 | 0 | 0 | 1,141 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 95 | 0 | 0 | 1,218 | 0 | 0 | | | | | | | 1,314 |
| April | | | | | | | | | 176 | 0 | 0 | 497 | 0 | 0 | | | | | | | 673 |
| May | | | | | | | | | 38 | 31 | 0 | 51 | 0 | 0 | | | | | | | 120 |
| June | | | | | | | | | 77 | 0 | 0 | 227 | 0 | 0 | 0 | 0 | | | | | 304 |
| July | | 194 | 25 | 24 | 156 | 207 | 0 | 0 | | | | | | | | | | | | | 607 |
| August | | 351 | 30 | 15 | 119 | 0 | 0 | 0 | | | | | | | | | | | | | 515 |
| September | | 390 | 0 | 0 | 162 | 41 | 0 | 0 | | | | | | | | | | | | | 594 |
| October | | 138 | 0 | 0 | 24 | 29 | 0 | 0 | | | | | | | | | | | | | 191 |
| November | | 285 | 22 | 0 | 13 | 0 | 0 | 0 | | | | | | | | | | | | | 299 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 519 | 1,448 | 77 | 40 | 474 | 278 | 0 | 0 | 401 | 31 | 0 | 1,903 | 0 | 0 | 0 | 0 | 131 | 367 | 0 | 0 | 5,757 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|--------|-------|-------|-------|-----|---|----|----------|-----|------|---------|----|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 1135 | 301 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 392 | 244 | 15 | 66 | 2,164 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 1,218 | 0 | 0 | | | | | | | 1,218 |
| April | | | | | | | | | 235 | 272 | 0 | 382 | 0 | 0 | | | | | | | 889 |
| May | | | | | | | | | 153 | 184 | 0 | 154 | 0 | 0 | | | | | | | 490 |
| June | | | | | | | | | 488 | 38 | 0 | 114 | 0 | 0 | 0 | 0 | | | | | 640 |
| July | | 6,299 | 1,299 | 1,171 | 687 | 69 | 0 | 0 | | | | | | | | | | | | | 9,695 |
| August | | 5,406 | 1,081 | 853 | 202 | 60 | 0 | 0 | | | | | | | | | | | | | 7,601 |
| September | | 1,784 | 290 | 989 | 711 | 0 | 0 | 0 | | | | | | | | | | | | | 3,774 |
| October | | 1,240 | 52 | 310 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,602 |
| November | | 1,711 | 162 | 12 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,885 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 1135 | 16,710 | 2,884 | 3,335 | 1,811 | 129 | 0 | 0 | 875 | 494 | 0 | 1,868 | 0 | 0 | 0 | 0 | 392 | 244 | 15 | 66 | 29,959 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|--------|-------|-------|-------|-------|----|----|----------|-------|------|---------|-----|------|------|-------------|-----------|------------|-----|-------|---------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 13858 | 7,895 | 1,011 | 60 | 155 | 111 | 0 | 0 | 432 | 55 | 0 | 442 | 0 | 0 | 0 | 0 | 8,447 | 2,304 | 808 | 1,570 | 37,145 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 3,263 | 1,005 | 0 | 44,293 | 386 | 0 | | | | | | | 48,947 |
| April | | | | | | | | | 5,355 | 2,628 | 0 | 10,508 | 0 | 0 | | | | | | | 18,491 |
| May | | | | | | | | | 1,506 | 2,682 | 0 | 1,848 | 111 | 39 | | | | | | | 6,187 |
| June | | | | | | | | | 1,438 | 2,285 | 0 | 2,422 | 83 | 72 | 24 | 0 | | | | | 6,324 |
| July | | 13,379 | 3,401 | 1,605 | 4,351 | 2,234 | 0 | 0 | | | | | | | | | | | | | 24,969 |
| August | | 12,419 | 2,357 | 1,123 | 2,424 | 560 | 0 | 0 | | | | | | | | | | | | | 18,884 |
| September | | 9,601 | 335 | 1,042 | 1,507 | 854 | 0 | 0 | | | | | | | | | | | | | 13,339 |
| October | | 9,299 | 616 | 680 | 461 | 59 | 0 | 0 | | | | | | | | | | | | | 11,114 |
| November | | 11,649 | 824 | 223 | 121 | 0 | 27 | 0 | | | | | | | | | | | | | 12,843 |
| December | | 1,302 | 302 | 20 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,624 |
| TOTAL: | 13858 | 65,543 | 8,845 | 4,752 | 9,019 | 3,818 | 27 | 0 | 11,994 | 8,654 | 0 | 59,514 | 581 | 111 | 24 | 0 | 8,447 | 2,304 | 808 | 1,570 | 199,866 |

CATFISH (all species)

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|-------|-------|-----|----|---|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 0 | 149 |
| February | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| March | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| June | | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 |
| July | | 1,379 | 100 | 195 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,674 |
| August | | 1,578 | 270 | 137 | 38 | 0 | 0 | 0 | | | | | | | | | | | | | 2,021 |
| September | | 557 | 179 | 49 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 786 |
| October | | 459 | 17 | 149 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 626 |
| November | | 370 | 775 | 37 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,183 |
| December | | 30 | 31 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 61 |
| TOTAL: | 0 | 4,374 | 1,391 | 568 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 0 | 6,499 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|-------|-------|-----|---|----|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 138 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 0 | 204 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 38 | 0 | 0 | | | | | | | 38 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 388 | 200 | 49 | 0 | 34 | 0 | 0 | | | | | | | | | | | | | 671 |
| August | | 497 | 30 | 30 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 557 |
| September | | 111 | 89 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 201 |
| October | | 0 | 0 | 23 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 23 |
| November | | 229 | 711 | 25 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 965 |
| December | | 0 | 124 | 13 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 137 |
| TOTAL: | 0 | 1,225 | 1,292 | 140 | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | 65 | 0 | 0 | 0 | 2,796 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|--------|-------|-------|-----|-----|---|----|----------|-----|------|---------|----|------|------|-------------|-----------|------------|----|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 47 | 539 | 80 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 394 | 0 | 0 | 0 | 0 | 994 | 12 | 46 | 0 | 2,083 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 113 | 0 | 0 | 0 | 0 | 0 | | | | | | | 113 |
| April | | | | | | | | | 96 | 463 | 0 | 191 | 0 | 0 | | | | | | | 749 |
| May | | | | | | | | | 133 | 0 | 0 | 154 | 0 | 0 | | | | | | | 287 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 8,192 | 1,658 | 513 | 296 | 207 | 0 | 0 | | | | | | | | | | | | | 10,865 |
| August | | 7,933 | 773 | 647 | 131 | 15 | 0 | 0 | | | | | | | | | | | | | 9,499 |
| September | | 4,208 | 1,821 | 251 | 175 | 0 | 0 | 0 | | | | | | | | | | | | | 6,455 |
| October | | 1,401 | 538 | 525 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 2,463 |
| November | | 1,389 | 1,263 | 568 | 54 | 0 | 0 | 0 | | | | | | | | | | | | | 3,272 |
| December | | 385 | 642 | 29 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,054 |
| TOTAL: | 0 | 23,556 | 7,233 | 2,609 | 654 | 222 | 0 | 0 | 342 | 463 | 0 | 739 | 0 | 0 | 0 | 0 | 994 | 12 | 46 | 0 | 36,841 |

SUNFISH (all species)

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | | |
|--------------|------------|---|---|---|---|---|---|----|----------|----|------|---------|----|------|-------------|-----------|------------|----|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0 | | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|---|---|---|---|---|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | 0 | 0 | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | | |
|--------------|------------|----|---|---|---|---|---|----|----------|----|------|---------|----|------|-------------|-----------|------------|----|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 25 | | | | | | | 25 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 65 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 65 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 65 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 90 |

BLACK BASS (all species)

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|---|-----|---|---|---|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 | 0 | | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | | 67 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 67 |
| October | | | 139 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 139 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 0 | 206 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 206 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|-------|----|---|----|---|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 229 | 0 | 0 | 0 | 229 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | | | | | 72 |
| July | | 0 | 0 | 0 | 52 | 0 | 0 | 0 | | | | | | | | | | | | | 52 |
| August | | 1,549 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 1,549 |
| September | | 334 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 334 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 32 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 32 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 1,883 | 32 | 0 | 52 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 72 | 0 | 0 | 229 | 0 | 0 | 0 | 2,268 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
|--------------|------------|-------|-----|----|-----|-----|----|----|----------|----|------|---------|-----|------|------|-------------|-----------|------------|----|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 125 | 0 | 0 | 0 | 0 | 882 | 0 | 0 | 0 | 1,007 |
| February | | | | | | | | | 0 | 0 | 0 | 174 | 0 | 0 | | | | | | | 174 |
| March | | | | | | | | | 0 | 0 | 0 | 459 | 261 | 0 | | | | | | | 720 |
| April | | | | | | | | | 0 | 0 | 0 | 13 | 0 | 0 | | | | | | | 13 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 54 | 84 | 0 | | | | | 138 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | | | | | | | | 256 |
| July | | 108 | 0 | 0 | 139 | 0 | 9 | 0 | | | | | | | | | | | | | 1,256 |
| August | | 1,090 | 0 | 0 | 9 | 119 | 34 | 0 | | | | | | | | | | | | | 866 |
| September | | 223 | 603 | 33 | 0 | 0 | 7 | 0 | | | | | | | | | | | | | 243 |
| October | | 0 | 225 | 0 | 18 | 0 | 0 | 0 | | | | | | | | | | | | | 75 |
| November | | 0 | 75 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | |
| TOTAL: | 0 | 1,426 | 904 | 33 | 168 | 119 | 49 | 0 | 0 | 0 | 0 | 770 | 261 | 54 | 84 | 0 | 882 | 0 | 0 | 0 | 4,750 |

STURGEON (all species)

TOTAL ESTIMATED HARVEST

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | | San Joaquin | Mokelumne | Stanislaus | TOTAL | |
|--------------|------------|----|---|----|---|----|---|----|----------|----|------|---------|----|------|------|----|-------------|-----------|------------|-------|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 195 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 243 |
| February | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | 0 | | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 11 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 11 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 15 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 15 |
| TOTAL: | 195 | 15 | 0 | 11 | 0 | 16 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 270 |

TOTAL ESTIMATED RELEASED

| River: | | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | |
|--------------|------|------------|---|---|---|---|---|----|---|----------|------|----|---------|------|----|------|-------------|-----------|------------|----|-------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 1038 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 1,078 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | 0 | 0 | | | | 0 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| November | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| December | | 60 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 60 |
| TOTAL: | 1038 | 60 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 1,135 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|--------|-------|-------|-----|-----|---|----|----------|----|------|---------|----|------|------|-------------|-----------|------------|-------|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 32188 | 2,769 | 963 | 3,581 | 109 | 403 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,487 | 0 | 0 | 0 | 41,500 |
| February | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| March | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| April | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| May | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | 0 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | 0 |
| July | | 194 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | 0 | 0 | | | | 194 |
| August | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| September | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| October | | 0 | 0 | 207 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 207 |
| November | | 3,100 | 97 | 919 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 4,116 |
| December | | 19,209 | 648 | 3,282 | 248 | 0 | 0 | 0 | | | | | | | | | | | | | 23,383 |
| TOTAL: | 32188 | 25,271 | 1,705 | 7,989 | 355 | 403 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,487 | 0 | 0 | 0 | 69,399 |

ANY (anglers fishing for any species)

TOTAL ESTIMATED HARVEST

| ESTIMATED HARVEST | | | | | | | | | | | | | | | | | | | | | |
|-------------------|------------|-------|-----|-----|----|---|-----|----|----------|-----|------|---------|----|------|------|-------------|-----------|------------|----|----|-------|
| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | | | |
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 348 | 74 | 0 | 0 | 0 | 139 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 0 | 0 | 0 | 691 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 72 | 158 | 0 | 0 | 35 | 0 | | | | | | | 265 |
| April | | | | | | | | | 235 | 54 | 0 | 78 | 0 | 0 | | | | | | | 368 |
| May | | | | | | | | | 78 | 31 | 0 | 0 | 0 | 0 | | | | | | | 107 |
| June | | | | | | | | | 0 | 0 | 0 | 38 | 0 | 0 | 0 | 0 | | | | | 38 |
| July | | 431 | 100 | 24 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 555 |
| August | | 818 | 105 | 61 | 0 | 0 | 45 | 0 | | | | | | | | | | | | | 1,029 |
| September | | 446 | 22 | 33 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 501 |
| October | | 138 | 17 | 0 | 24 | 0 | 0 | 0 | | | | | | | | | | | | | 179 |
| November | | 18 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 18 |
| December | | 224 | 15 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 240 |
| TOTAL: | 0 | 2,423 | 334 | 118 | 24 | 0 | 184 | 0 | 383 | 243 | 0 | 114 | 35 | 0 | 0 | 0 | 131 | 0 | 0 | 0 | 3,988 |

TOTAL ESTIMATED RELEASED

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|-------|-------|-------|-----|-----|-----|----|----------|-------|------|---------|----|------|------|-------------|-----------|------------|-------|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 0 | 0 | 0 | 0 | 33 | 0 | 0 | 0 | 0 | 41 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 74 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 24 | 95 | 0 | 0 | 0 | 0 | | | | | | | 119 |
| April | | | | | | | | | 29 | 0 | 0 | 0 | 0 | 0 | | | | | | | 29 |
| May | | | | | | | | | 0 | 5,886 | 0 | 0 | 32 | 0 | | | | | | | 5,918 |
| June | | | | | | | | | 0 | 0 | 0 | 0 | 0 | 0 | 48 | 0 | | | | | 48 |
| July | | 1,099 | 412 | 268 | 0 | 0 | 55 | 0 | | | | | | | | | | | | | 1,834 |
| August | | 906 | 961 | 594 | 0 | 179 | 0 | 0 | | | | | | | | | | | | | 2,640 |
| September | | 948 | 0 | 115 | 37 | 0 | 55 | 0 | | | | | | | | | | | | | 1,155 |
| October | | 230 | 35 | 129 | 24 | 0 | 0 | 0 | | | | | | | | | | | | | 414 |
| November | | 53 | 75 | 0 | 13 | 0 | 0 | 0 | | | | | | | | | | | | | 142 |
| December | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | | | | 0 |
| TOTAL: | 0 | 3,235 | 1,483 | 1,104 | 107 | 179 | 109 | 0 | 53 | 6,022 | 0 | 0 | 32 | 0 | 48 | 0 | 0 | 0 | 0 | 0 | 12,372 |

ESTIMATED ANGLER-HOURS

| River: | Sacramento | | | | | | | | American | | | Feather | | | Yuba | San Joaquin | Mokelumne | Stanislaus | TOTAL | | |
|--------------|------------|--------|-------|-------|-------|-------|-------|-----|----------|-------|-------|---------|-------|------|------|-------------|-----------|------------|-------|----|--------|
| Section No.: | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8* | 9 | 10 | 10.1 | 11 | 12 | 12.1 | 13 | 14 | 15 | 16 | 17 | 18 | TOTAL |
| January | 211 | 336 | 730 | 142 | 180 | 71 | 408 | 8 | 308 | 443 | 228 | 87 | 0 | 0 | 31 | 7 | 65 | 0 | 0 | 0 | 3,253 |
| February | | | | | | | | | | | | | | | | | | | | | 0 |
| March | | | | | | | | | 674 | 1,701 | 145 | 2,806 | 255 | 51 | | | | | | | 5,632 |
| April | | | | | | | | | 3,572 | 2,587 | 0 | 707 | 915 | 340 | | | | | | | 8,121 |
| May | | | | | | | | | 3,308 | 797 | 604 | 1,900 | 58 | 0 | | | | | | | 6,684 |
| June | | | | | | | | | 1,066 | 612 | 1,505 | 785 | 540 | 234 | 922 | 0 | | | | | 5,684 |
| July | | 6,905 | 1,508 | 3,069 | 143 | 776 | 205 | 14 | | | | | | | | | | | | | 12,620 |
| August | | 6,195 | 2,508 | 742 | 113 | 119 | 218 | 79 | | | | | | | | | | | | | 9,973 |
| September | | 5,490 | 653 | 428 | 221 | 149 | 206 | 51 | | | | | | | | | | | | | 7,200 |
| October | | 4,580 | 993 | 740 | 1,157 | 295 | 46 | 108 | | | | | | | | | | | | | 7,919 |
| November | | 1,261 | 1,061 | 566 | 57 | 40 | 109 | 119 | | | | | | | | | | | | | 3,214 |
| December | | 920 | 178 | 155 | 142 | 0 | 0 | 6 | | | | | | | | | | | | | 1,400 |
| TOTAL: | 211 | 25,688 | 7,631 | 5,843 | 2,014 | 1,451 | 1,192 | 384 | 8,928 | 8,139 | 2,481 | 6,285 | 1,765 | 625 | 953 | 7 | 65 | 0 | 0 | 0 | 71,661 |