

Central Valley Salmon and Steelhead Marking/Coded-wire Tagging Program

**Fall-run Chinook Salmon
Spring-run Chinook Salmon
Steelhead
2025 Marking Season**



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Abstract

The Central Valley Constant Fractional Marking/Tagging Program (CFM) was initiated in the spring of 2007 following the purchase of four automated fish tagging trailers (AutoFish Systems). Planning studies indicated that the optimal marking/tagging rate for the Central Valley CFM program was 25% of the fall-run Chinook salmon production releases. For each production release (fish released at the same time and location), the program therefore targeted marking with an adipose fin-clip and coded-wire tagging a representative 25% of each release of fall-run Chinook salmon from the Central Valley hatcheries in 2007 through 2025. The program was conducted at Coleman National Fish Hatchery, Feather River Fish Hatchery, Nimbus Fish Hatchery, and Mokelumne River Fish Hatchery in these years. We assisted with AutoFish Trailer operations at Warm Springs Hatchery as well as the manual tagging operations at Merced River Fish Hatchery during the 2025 tagging season.

The AutoFish Trailers were also used in the 2011 through 2025 seasons to adipose fin-clip and coded-wire tag spring-run Chinook salmon reared at both Feather River Fish Hatchery and San Joaquin Fish Hatchery in the 2025 season. Due to the increase in spring run production the 2025 season began marking and tagging spring run at a 50% rate as opposed to a 100% rate in the past. We also adipose fin-clipped 100% of the steelhead reared at, Feather River Fish Hatchery, Mokelumne River Fish Hatchery, Nimbus Fish Hatchery, and Warm Springs Fish Hatchery.

This report includes the marking/tagging activities conducted with the AutoFish Systems and manual marking trailers at the six Central Valley hatcheries in 2025 (Brood Year 2024 fall-run Chinook salmon, spring-run Chinook salmon, and steelhead) and Warm Springs Fish Hatchery. The program successfully processed 100% of the production releases of fall-run Chinook salmon through the automated and manual marking trailers, 33,700,015 fish. Of the fall-run Chinook salmon total, approximately 27.66% were coded-wire tagged and adipose fin-clipped (9,320,711 fish). In addition, the program marked and coded-wire tagged 50% of the spring-run Chinook salmon produced at the Feather River Fish Hatchery, and San Joaquin Fish Hatchery, a total of 3,114,040 fish of which 52.44% were marked and tagged (1,633,129). The program also adipose fin-clipped 100% of the steelhead produced at Feather River Fish Hatchery, Mokelumne River Fish Hatchery, Nimbus Fish Hatchery, and Warm Springs Fish Hatchery, a total of 2,361,857 fish. The Coleman National Fish Hatchery late-fall-run and winter-run Chinook salmon and steelhead marking/tagging numbers are included in a separate report.

Introduction

In most years, approximately 30 million fall-run Chinook salmon are produced at five hatcheries in California's Central Valley, including Coleman National Fish Hatchery, Feather River Fish Hatchery, Nimbus Fish Hatchery, Merced River Fish Hatchery, and Mokelumne River Fish Hatchery (Figure 1). Production from these hatcheries contributes to major sport and commercial fisheries in the ocean and river systems. Until 2007, only experimental releases of fall-run Chinook were externally marked and coded-wire tagged on a regular basis.

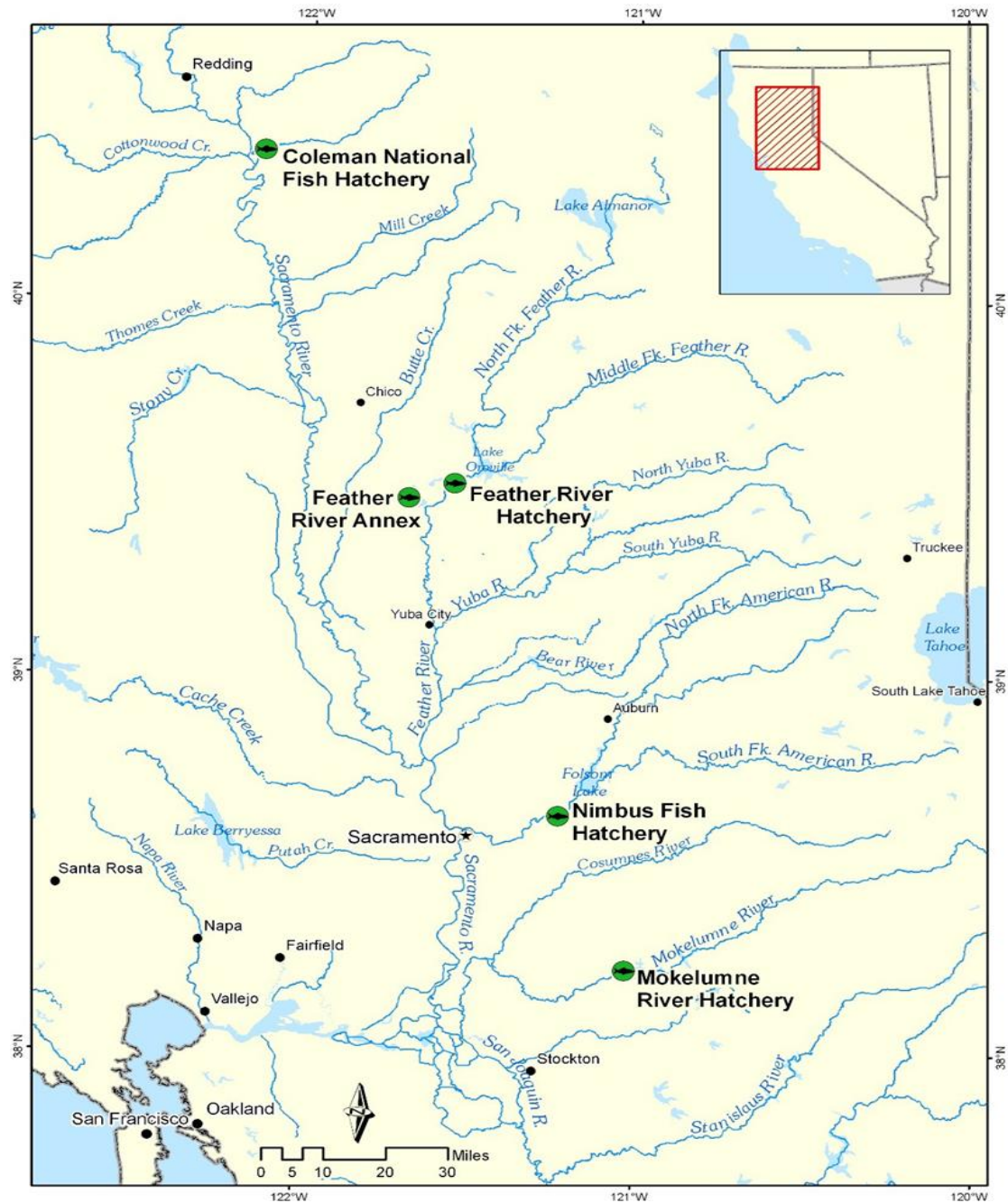


Figure 1. Hatchery Locations: Central Valley Constant Fractional Marking Program (2025).

In 2004, the CALFED Ecosystem Restoration Program (ERP) funded a study to design a constant fractional marking/coded-wire tagging program for production releases of fall-run Chinook salmon from Central Valley hatcheries, with the goal of estimating in a statistically valid manner the relative contribution of hatchery production. The study recommended the implementation of a system-wide marking/tagging program for production releases.

In 2006, the ERP Program provided the initial funding to begin implementation of the Central Valley Constant Fractional Marking (CFM) program. The initial contract provided funding to Pacific States Marine Fisheries Commission for the purchase of four automated tagging systems (AutoFish Systems) and the first two years of operating costs for marking/tagging production releases of fall-run Chinook salmon at the five major Central Valley hatcheries (in 2007 and 2008).

This program is a cooperative effort of the California Department of Fish and Wildlife, California Department of Water Resources, U.S. Fish and Wildlife Service, Pacific States Marine Fisheries Commission, U.S. Bureau of Reclamation, and East Bay Municipal Utility District. In 2009 through 2025, funding to conduct tagging operations was provided by the following entities: California Department of Water Resources and California Department of Fish and Wildlife; East Bay Municipal Utility District; and U.S. Bureau of Reclamation.

From 2002 to 2010, 100% of the spring-run Chinook salmon production at Feather River Hatchery was marked and coded-wire tagged using manual techniques. In 2011 through 2025, an AutoFish Trailer was used for the spring-run Chinook salmon marking/tagging. Funding was provided by the California Department of Water Resources.

The overall objectives of the fall and spring-run Chinook salmon tagging programs are:

1. To evaluate the contribution rates of hatchery fish to Central Valley Chinook salmon populations,
2. To evaluate the Central Valley propagation program's genetic and ecological effects on natural Chinook populations.
3. To estimate exploitation rates of hatchery and natural Central Valley Chinook salmon in ocean and inland fisheries,
4. To evaluate the success of restoration actions designed to increase natural production of Central Valley Chinook salmon,
5. To evaluate the relative impacts of water project operations on hatchery and naturally-produced Chinook salmon,
6. To evaluate the recovery of listed stocks of Chinook salmon.

All of the steelhead reared at Central Valley hatcheries were also marked using the AutoFish Trailers in 2025. Marking allows selective harvest of hatchery-reared steelhead in sport fisheries.

This report covers the nineteenth year of the CFM program's marking/tagging activities at six Central Valley hatcheries in the spring/summer of 2025 (Brood Year 2024 fall-run Chinook salmon). Also included in this report are the manual tagging operations conducted at Merced River Fish Hatchery fall-run Chinook salmon. The report also includes the marking/tagging of Brood Year 2024 spring-run Chinook salmon reared at Feather River Fish Hatchery as well as San Joaquin Fish Hatchery, and marking of steelhead reared at Feather River Fish Hatchery, Mokelumne River Fish Hatchery, Nimbus Fish Hatchery, and Warm Springs Fish Hatchery. Coleman National Fish Hatchery steelhead, late-fall run, and winter-run Chinook salmon are included in a separate report.

Methods

The coded-wire tag/adipose fin clip is the method agreed to by the Pacific Salmon Treaty (1999) to monitor Chinook salmon in ocean fisheries along the Pacific Coast. It is a cost-effective method to apply a long-term mark that gives data on hatchery origin and release group and provides for external identification of tagged fish. The coded-wire tag/adipose fin-clip marking method has been used throughout the West Coast of North America since the 1970's. Currently, over 50 million Chinook and coho salmon are coded-wire tagged each year. This Central Valley program is an integral part of this Coast-wide tagging program; tagged fish are recovered in ocean fisheries throughout the West Coast.

Four state-of-the-art automated tagging trailers were purchased for the Central Valley program in late 2006 and early 2007 from Northwest Marine Technology. The trailers incorporated the latest advanced technology for marking and coded-wire tagging fish. The AutoFish System™ has the capacity to mark and implant coded-wire tags very rapidly without any use of anesthetic or human contact. These systems have been in use for many years in the Pacific Northwest, but the Central Valley trailers were the first to be purchased for use in California.

Planning studies indicated that the optimal marking/tagging rate for the Central Valley CFM program was 25% of the fall-run Chinook production releases. For each production release (fish released at the same time and location), the program therefore targeted marking/tagging a representative 25% from 2007 through 2025. Coded-wire tags for the 2025 season were ordered from Northwest Marine Technology in November 2024. Tags used in the program were all 1.1 mm standard length tags.

The program was operated at Coleman National Fish Hatchery, Feather River Fish Hatchery, Nimbus Fish Hatchery, Mokelumne River Fish Hatchery, and San Joaquin Fish Hatchery (Figure 1). A manual tagging trailer was used for the fall-run Chinook salmon at Merced River Fish Hatchery.

The automated marking trailers have the ability to process fish that are a minimum length of 57 mm and a maximum length of 142 mm. With this in mind, timing of AutoFish Trailer operations at each facility is crucial to maximize efficiency and productivity while meeting hatchery release deadlines. Double shifts were typically used to maximize efficiency and output of the AutoFish Trailers. Trailers were moved as needed when fish at each hatchery reached the appropriate marking size. The fall-run Chinook salmon marking/tagging season began on March 3rd at Coleman National Fish Hatchery and ended at Feather River Fish Hatchery on May 27th. Marking/tagging of hatchery-produced fall-run Chinook salmon in 2025 therefore spanned a 13-week period. The spring-run Chinook salmon marking/tagging season began on February 18th, at San Joaquin Fish Hatchery and Feather River Hatchery and was completed at Feather River Hatchery and on March 28th for a total of seven weeks. The Central Valley steelhead marking was conducted intermittently based on the number of fish that met the appropriate size protocols to process through the AutoFish Trailers, from May 23rd through August 21st, totaling thirteen weeks.

Throughout the season, fin-clipping rate and tag retention studies were conducted for fall and spring-run Chinook salmon to determine actual marking/tagging rates for each coded-wire tag code. Except as otherwise noted below, approximately 800-900 marked/tagged fish per tag code were retained and held separately for a period of approximately 21 days following the completion of each tag code. Due to warm water temperatures some stocks had tag retention checks earlier than the agreed upon 21 day standard at the fault of early releases. At Coleman National Fish Hatchery and Mokelumne River Fish Hatchery, approximately 400 fish were held for retention purposes for each tag code. A lower number of fish were set aside at these facilities due to the larger number of tag codes. Study fish were sampled from throughout the tagging period for each tag code. Fish were electronically tested for tag retentions and visually inspected for fin-clip quality at the end of the study period.

During these quality checks, for a fish to be counted as successfully retaining a tag, 60% or more of the adipose fin must be removed and a coded-wire tag must be present. A partial clip resulted in 10-40% of the adipose fin still present but was not counted against the successful clipping rate. If more than 40% of the adipose fin was still intact, it was classified as unclipped and therefore counts against the successful tagging rate (i.e. it likely would not be checked for a CWT since the adipose fin is intact or mostly intact). In some instances, fish were held for less than the standard 21-day time period due to specific hatchery release strategies. For some smaller tag codes, tag retention studies were not feasible; for these tag groups, retention rates were extrapolated from larger groups tagged at the same hatchery during similar time periods.

Following the tagging season, coded-wire tag data was summarized for submission to [the Regional Mark Processing Center \(RMPC\)](http://www.rmmpc.org), operated by the Pacific States Marine Fisheries Commission (<http://www.rmmpc.org>). The RMPC provides regional coordination of salmon tagging and fin marking programs, and maintenance of coastwide databases for coded-wire tag releases, recoveries, and associated catch/sample information, in the Regional Mark Information System (RMIS).

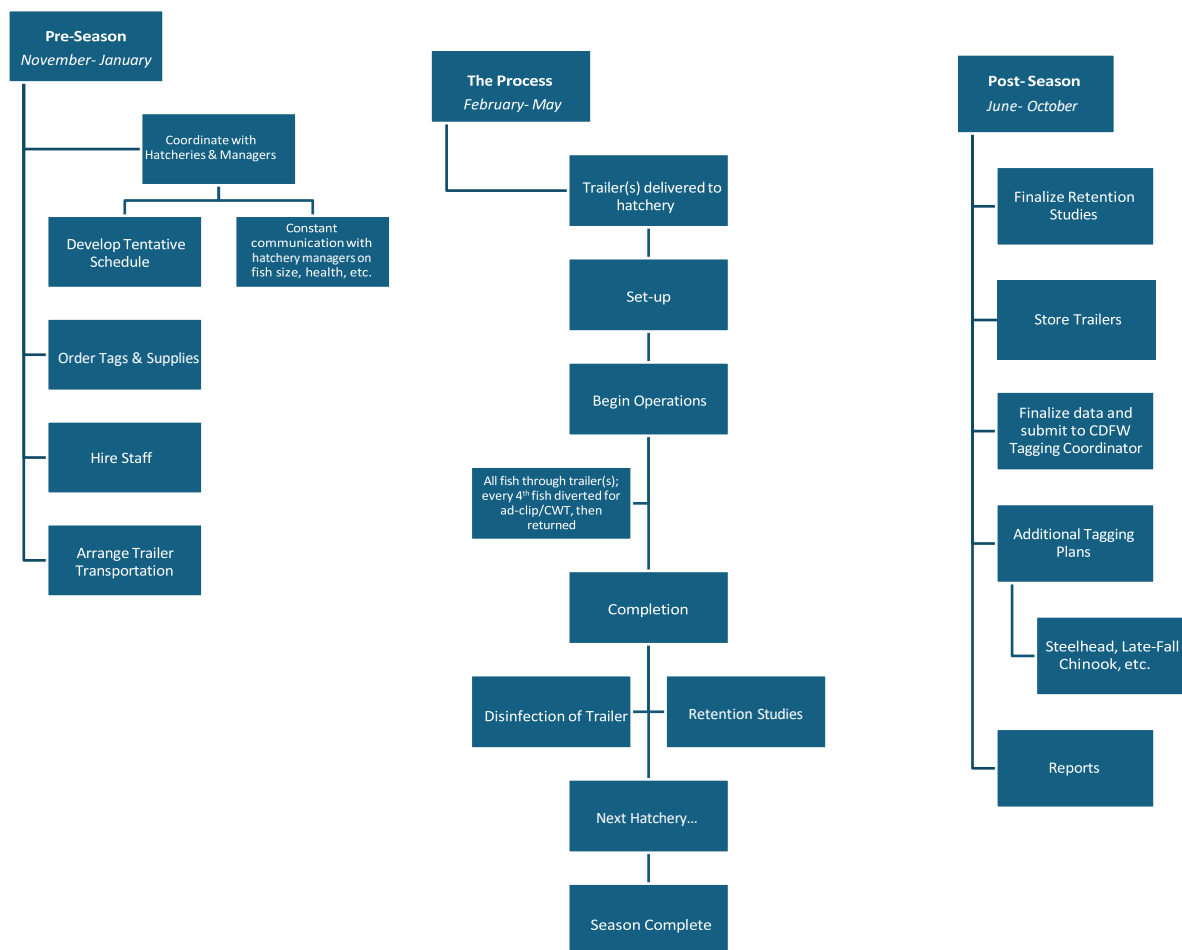


Figure 2. Summarizes the annual project workflow.

Results

Daily tagging rates, tag codes, and results of retention studies for the 2025 tagging season are shown in Appendix Tables 1 – 7 for each of the hatcheries. The technology allowed an accurate count of all production fish, and the marking/tagging of an exact percentage of those fish.

The program successfully processed 100% of the 2025 production releases of fall-run Chinook salmon from the Central Valley hatcheries (totaling 33,700,015 fish). The 25% target rate for marking/tagging was achieved for Brood Year 2024 (approximately 27.66% were CWT/ad-clipped, 9,320,711 fish). The AutoFish Trailers also processed 2,938,265 fish and marked and tagged 49.60% or 1,457,354 Brood Year 2024 spring-run Chinook salmon reared at the Feather River Fish Hatchery. In addition to, 175,775 or 100% of the Brood Year 2024 spring-run Chinook reared at San Joaquin Fish Hatchery.

The AutoFish Trailers marked 100% of the 2,361,857 steelhead reared at Coleman National Fish Hatchery, Feather River Fish Hatchery, Mokelumne River Fish Hatchery, Nimbus Fish Hatchery, and Warm Springs Fish Hatchery.

Tag retention studies for the fall-run Chinook salmon indicated very high rates of tag/mark retention. Retention rates ranged as follows:

- Coleman National Fish Hatchery: 92.53% - 100% with an average of 98.44%
- Feather River Fish Hatchery: 97.90% - 97.90% with an average of 97.90%
- Mokelumne River Fish Hatchery: 98.25% - 100% with an average of 99.38%
- Nimbus Fish Hatchery: 97.25% - 100% with an average of 99.21%
- Merced River Fish Hatchery: 81.14%-96.37% with an average of 88.15%

Tag retention studies for the spring-run Chinook salmon also indicated high rates of tag/mark retention. Retention rates ranged as follows:

- Feather River Hatchery: 95.60% - 98.40% with an average of 97.00%
- San Joaquin Fish Hatchery: 99.00%-99.50% with an average of 99.25%

The steelhead from each facility are generally released during the winter months and clip quality will be checked just prior to release. The numbers of fish included in this report were those processed and returned to the raceways during the tagging process. The actual numbers of fish released may differ. Please refer to the RMIS website, <http://www.rmipc.org>, for the number of fish that were successfully clipped, tagged, and then released.

Discussion

Similar to past tagging seasons, finding and retaining qualified technical personnel for program operations was extremely challenging for 2025 tagging season. After many months of having the job recruitments open and contacting every applicant that applied, we were able to hire just enough crew members to make it through the 2025 season. At the northern four hatcheries, the program had four Trailer Operators, and eight Trailer Assistants employed at the start of the 2025 season. At Merced River Hatchery, three Trailer Assistants were employed for the duration of the project. Due to the high learning curve associated with running an Autofish trailer success of this project is predicated on the turnover rate of employees year over year. This year, only one trailer operator had more than a year of experience running a trailer.

This report includes all of the anadromous marking/tagging activities in the Central Valley with the exception of the Coleman National Fish Hatchery late-fall-run Chinook salmon and steelhead, and winter-run Chinook salmon at Coleman National Fish Hatchery, Livingston Stone National Fish Hatchery, and Mount Lassen Trout Farm Hatchery. These groups of fish are included in separate annual reports.

Acknowledgements

The Constant Fractional Marking Program would not have existed or successfully completed its nineteenth year of tagging without significant contributions from a number of people and agencies. I would like to thank the following individuals for their support, dedication, and cooperation in this program:

Management, administration, problem solving, and the existence of this program would not have been possible without Keri Miles and Jason Julienne, California Department of Fish and Wildlife (CDFW); Stan Allen, Amy Roberts, Darin Olson, and Alana Imrie Pacific States Marine Fisheries Commission (PSMFC), Michelle Workman East Bay Municipal Utility District (EBMUD); Kevin Niemela, U.S. Fish and Wildlife Service (USFWS) and Sabrina Bell, Eric See, and Jason Kindopp California Department of Water Resources (CDWR).

In particular, I want to thank the managers and staff working at the hatcheries where we conduct the marking/tagging program. Without your help, cooperation and support, this program would not be possible. Your willingness to work with us in adjusting the agendas and scheduling is critical in meeting the goals of all of the facilities. Bob Null (USFWS - Coleman National Fish Hatchery), Marc Provencher (USFWS - Coleman National Fish Hatchery), Joe Kasalko (USFWS - Coleman National Fish Hatchery), Mary Noel (CDFW - Feather River Fish Hatchery), Jason Crosby (CDFW - Feather River Fish Hatchery), Greg Ferguson (CDFW - Nimbus Fish Hatchery), Gary Novak (CDFW - Nimbus Fish Hatchery), Drew Gaan (CDFW - Nimbus Fish Hatchery), Darrick Baker (CDFW- Mokelumne River Hatchery), William Smith (CDFW - Mokelumne River Fish Hatchery), Matt Bigelow (CDFW- San Joaquin Fish Hatchery), Bryan Freele (CDFW- Warm Springs Fish

Hatchery), Alan Pariani (CDFW- Warm Springs Fish Hatchery), and their very professional hatchery staff did a significant amount of work to accommodate the trailers at their hatcheries and made us feel welcome while we were on-site. I look forward to continuing to work with you all.

I also want to thank Lorence Nash and Mario Corrales (PSMFC) for their help both compiling data and conducting maintenance on the AutoFish Trailers to ensure that everything was operational. I also want to thank the rest of the professional and hardworking CFM crew that made this nineteenth season a great success. They each spent many long days away from home to accomplish the goals of this very demanding program. Trailer Operators included Chris Townsend (PSMFC), Lorence Nash (PSMFC), Mario Corrales (PSMFC), Vaughn Compass (PSMFC), Bryce Barnard (PSMFC), Marisol Rosas (PSMFC), Kaylee Pebelier (PSMFC), and Oceanna Warnock (PSMFC). Tagging Trailer Assistants included a single full time employee and a majority of seasonal PSMFC staff members April Northern (Full-time) (PSMFC), Derek Solso (PSMFC), Sage Goetz (PSMFC), Emillie Alderson (PSMFC), Glanni Dentoni (PSMFC), Mackenzie Enbody, Kate Eulberg (PSMFC), and Kaitlyn Reardon (PSMFC).

Schedule of Mark Events

- December 18th – January 24th Clipping/Tagging winter-run Chinook salmon at Livingston Stone National Fish Hatchery
- February 18th – February 25th Clipping/Tagging spring-run Chinook salmon at San Joaquin Fish Hatchery
- February 18th – March 28th Clipping/Tagging spring-run Chinook salmon at Feather River Fish Hatchery
- March 3rd – April 14th Clipping/Tagging winter-run Chinook salmon at Mount Lassen Trout Farm
- March 3rd – May 21st Clipping/Tagging fall-run Chinook salmon at Coleman National Fish Hatchery
- March 10th – May 5th Clipping/Tagging fall-run Chinook salmon at Mokelumne River Fish Hatchery
- March 10th – April 23rd Clipping/Tagging fall-run Chinook salmon at Merced Fish Hatchery
- March 28th – May 27th Clipping/Tagging fall-run Chinook salmon at Feather River Fish Hatchery
- April 8th – May 21st Clipping/Tagging fall-run Chinook salmon at Nimbus Fish Hatchery
- May 23rd – June 18th Clipping steelhead at Coleman National Fish Hatchery
- May 27th - June 30th Clipping steelhead at Nimbus Fish Hatchery
- June 3rd – July 11th Clipping/Tagging late-fall-run Chinook salmon at Coleman National Fish Hatchery
- June 16th – July 10th Clipping steelhead at Feather River Fish Hatchery
- June 30th – July 23rd Clipping steelhead at Mokelumne River Fish Hatchery
- June 30th – August 22nd Clipping Steelhead at Warm Springs Fish Hatchery

Appendix

Coleman National Fish Hatchery



Table 1a. Daily Tagging Rates at Coleman National Fish Hatchery

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/64/00			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/3/2025	2	1	25,042	-	75,303	-	100,345
3/4/2025	2	1	27,794	52,836	83,634	158,937	211,773
3/5/2025	2	1	27,162	79,998	81,645	240,582	320,580
3/6/2025	2	1	33,738	113,736	101,598	342,180	455,916
Tag Code Totals			-	113,736	-	342,180	455,916

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/65/00			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/7/2025	3	2	9,270	-	27,773	-	37,043
3/10/2025	3	2	19,304	28,574	57,860	85,633	114,207
3/11/2025	3	2	28,112	56,686	84,397	170,030	226,716
3/12/2025	3	2	32,684	89,370	98,101	268,131	357,501
3/13/2025	3	2	12,187	101,557	36,629	304,760	406,317
Tag Code Totals			-	101,557	-	304,760	406,317

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/66			Size: 220K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/14/2025	5	11	45,545	-	0	0	45,545
3/17/2025	5	11	49,353	94,898	0	0	94,898
3/17/2025	5	11	45,144	140,042	0	0	140,042
3/18/2025	5	11	46,527	186,569	0	0	186,569
3/18/2025	5	11	34,519	221,088	0	0	221,088
3/19/2025	5	11	17,461	238,549	0	0	238,549
Tag Code Totals				238,549			238,549

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/67			Size: 220K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/19/2025	5	12	16,793	-	0	-	16,793
3/19/2025	5	12	41,308	58,101	0	0	58,101
3/20/2025	5	12	52,779	110,880	0	0	110,880
3/20/2025	5	12	48,447	159,327	0	0	159,327
3/21/2025	5	12	54,030	213,357	0	0	213,357
3/22/2025	5	12	26,960	240,317	0	0	240,317
Tag Code Totals			-	240,317	-	0	298,569

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/68/04			Size: 80K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/21/2025	5	12	21,906	-	0	-	21,906
3/24/2025	5	12	36,346	58,252	0	0	58,252
Tag Code Totals			-	58,252	-	0	298,569

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/66/00			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/25/2025	4	3	24,690	-	74,103	-	98,793
3/26/2025	4	3	29,353	54,043	88,113	162,216	216,259
3/27/2025	4	3	36,172	90,215	108,541	270,757	360,972
3/28/2025	4	3	5,128	95,343	15,432	286,189	381,532
Tag Code Totals			-	95,343	-	286,189	381,532

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/00			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/31/2025	6	4	29,768	-	89,335	-	119,103
3/31/2025	6	4	29,118	58,886	87,409	176,744	235,630
4/1/2025	6	4	32,511	91,397	97,557	274,301	365,698
4/1/2025	6	4	11,829	103,226	35,532	309,833	413,059
Tag Code Totals			-	103,226	-	309,833	413,059

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/68			Size: 220K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/2/2025	7	5	42,089	-	42,100	-	84,189
4/2/2025	7	5	38,355	80,444	38,619	80,719	161,163
4/3/2025	7	5	29,236	109,680	29,250	109,969	219,649
Tag Code Totals			-	109,680	-	109,969	219,649

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/45			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/3/2025	7	6	13,120	-	14,690	-	27,810
4/3/2025	7	6	56,488	69,608	56,536	71,226	140,834
4/4/2025	7	6	16,555	86,163	17,765	88,991	175,154
Tag Code Totals			-	86,163	-	88,991	175,154

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/46			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/4/2025	8	7	6,385	-	19,154	-	25,539
4/4/2025	8	7	32,864	39,249	98,631	117,785	157,034
4/7/2025	8	7	29,927	69,176	89,799	207,584	276,760
4/7/2025	8	7	29,494	98,670	88,521	296,105	394,775
4/8/2025	8	7	11,484	110,154	34,479	330,584	440,738
Tag Code Totals			-	110,154	-	330,584	440,738

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/47			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/8/2025	9	8	14,664	-	43,989	-	58,653
4/8/2025	9	8	36,494	51,158	109,618	153,607	204,765
4/9/2025	9	8	46,518	97,676	139,673	293,280	390,956
4/10/2025	9	8	20,223	117,899	60,693	353,973	471,872
Tag Code Totals			-	117,899	-	353,973	471,872

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/48			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/10/2025	9	9	19,846	-	59,562	-	79,408
4/10/2025	10	9	19,430	39,276	58,348	117,910	157,186
4/11/2025	10	9	25,625	64,901	76,938	194,848	259,749
4/14/2025	10	9	35,656	100,557	107,002	301,850	402,407
4/14/2025	10	9	21,795	122,352	65,406	367,256	489,608
4/15/2025	10	9	11,302	133,654	34,224	401,480	535,134
Tag Code Totals			-	133,654	-	401,480	558,811

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/68/00			Size: 10K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/14/2025	10	9	5,913	-	17,764	-	23,677
Tag Code Totals			-	5,913	-	17,764	558,811

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/49			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/16/2025	13	12	15,827	-	47,513	-	63,340
4/16/2025	13	12	25,407	41,234	76,307	123,820	165,054
4/17/2025	13	12	26,777	68,011	80,362	204,182	272,193
Tag Code Totals			-	68,011	-	204,182	272,193

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/50			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/17/2025	14	13	21,488	-	64,513	-	86,001
4/18/2025	14	13	31,123	52,611	93,400	157,913	210,524
4/18/2025	14	13	34,655	87,266	104,030	261,943	349,209
4/21/2025	14	13	23,496	110,762	70,525	332,468	443,230
Tag Code Totals			-	110,762	-	332,468	443,230

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/51			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/21/2025	15	14	24,693	-	74,083	-	98,776
4/22/2025	15	14	29,101	53,794	87,334	161,417	215,211
4/22/2025	15	14	29,558	83,352	88,747	250,164	333,516
4/23/2025	15	14	7,810	91,162	23,475	273,639	364,801
Tag Code Totals			-	91,162	-	273,639	364,801

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/52			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/23/2025	16	15	15,426	-	46,310	-	61,736
4/23/2025	16	15	33,548	48,974	100,681	146,991	195,965
4/24/2025	16	15	37,693	86,667	113,115	260,106	346,773
4/24/2025	16	15	11,693	98,360	35,123	295,229	393,589
Tag Code Totals			-	98,360	-	295,229	393,589

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/53			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/24/2025	17	16	6,301	-	18,929	-	25,230
4/25/2025	17	16	37,012	43,313	111,059	129,988	173,301
4/25/2025	17	16	33,728	77,041	101,258	231,246	308,287
Tag Code Totals			-	77,041	-	231,246	308,287

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/54			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/28/2025	17	18	23,148	-	69,504	-	92,652
4/28/2025	17	18	33,140	56,288	99,497	169,001	225,289
4/29/2025	17	18	47,064	103,352	141,263	310,264	413,616
4/30/2025	17	18	22,469	125,821	86,075	396,339	522,160
Tag Code Totals			-	125,821	-	396,339	528,355

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/68/01			Size: 10K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/30/2025	17	18	5,394	5,394	-		528,355
Tag Code Totals			-	5,394	-	-	528,355

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/68/02			Size: 10K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/30/2025	17	18	801		-	-	528,355
Tag Code Totals			-	801	-	-	528,355

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/55			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/1/2025	21	20	25,336	-	76,106	-	101,442
5/2/2025	21	20	25,462	50,798	76,430	152,536	203,334
5/2/2025	21	20	27,063	77,861	81,277	233,813	311,674
5/5/2025	21	20	43,465	121,326	130,482	364,295	485,621
Tag Code Totals			-	121,326	-	364,295	485,621

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/56			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/6/2025	21	22	36,667	-	110,101	-	146,768
5/6/2025	22	22	6,718	43,385	20,154	130,255	153,486
5/7/2025	22	22	70,286	113,671	210,858	341,113	454,784
5/8/2025	22	22	10,395	124,066	31,185	372,298	496,364
Tag Code Totals			-	124,066	-	372,298	496,364

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/54/51			Size: 10K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/8/2025	22	22	9,377	-	28,131	-	-
Tag Code Totals			-	9,377	-	28,131	496,364

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/54/52			Size: 10K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/8/2025	22	22	3,944	-	11,832	-	-
Tag Code Totals			-	3,944	-	11,832	496,364

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/57			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/8/2025	23	21	23,602	-	70,875	-	94,477
5/9/2025	23	21	38,711	62,313	116,222	187,097	249,410
5/12/2025	23	21	30,977	93,290	92,975	280,072	373,362
Tag Code Totals			-	93,290	-	280,072	373,362

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/58			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/12/2025	24	24	35,520	-	106,560	-	
5/13/2025	24	24	51,699	87,219	155,097	261,657	
5/13/2025	24	24	31,964	119,183	95,892	357,549	
Tag Code Totals			-	119,183	-	357,070	476,253

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/59			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/14/2025	25	23	31,592	-	94,797	-	126,389
5/14/2025	25	23	27,819	59,411	83,478	178,275	237,686
5/15/2025	25	23	35,013	94,424	105,082	283,357	377,781
Tag Code Totals			-	94,424	-	283,357	377,781

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/60			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/15/2025	26	26	26,905	-	80,715	-	-
5/16/2025	26	26	51,938	78,843	155,814	236,529	
5/16/2025	26	26	26,943	105,786	80,829	317,358	
Tag Code Totals			-	105,786	-	317,358	423,144

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/61			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/19/2025	27	25	30,311	-	90,973	-	121,284
5/20/2025	27	25	19,369	49,680	58,235	149,208	198,888
Tag Code Totals			-	49,680	-	149,208	198,888

Coleman National Fish Hatchery - Fall Run Chinook							
Tag Code: 05/67/62			Size: 110K			Trailer # CA2	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/21/2025	28	28	54,779	54,779	-	-	219,083
Tag Code Totals			-	54,779	-	164,304	219,083

Hatchery Totals	Tagged	Untagged	Total
	2,867,650	6,566,788	9,434,438
Retention Range: 92.53%-100%	Retention Average: 98.44%		

Table 1b. Summary of Hatchery Tag Codes and Tag Retention Study

Coleman National Fish Hatchery - Fall Run Chinook										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
05/64/00	110K	1	113,736	342,180	455,916	21		95.50%	108,618	347,298
05/65/00	110K	2	101,557	304,760	406,317	21		97.89%	99,414	306,903
05/67/66	220K	11	238,549	0	238,549	21		99.58%	237,547	1,002
05/67/67	220K	12	240,317	0	240,317	21		99.64%	239,452	865
05/68/04	80k	12	58,252	0	58,252	21		98.44%	57,343	909
05/66/00	110K	3	95,343	286,189	381,532	21		98.74%	94,142	287,390
05/67/00	110K	4	103,226	309,833	417,019	21		99.74%	102,958	310,101
05/67/68	220K	5	109,680	109,969	219,649	21		100.00%	109,680	109,969
05/67/45	110K	6	86,163	88,991	175,154	21		92.53%	79,727	95,427
05/67/46	110K	7	110,154	330,584	440,738	21		97.49%	107,389	333,349
05/67/47	110K	8	117,899	353,973	471,872	21		96.24%	113,466	358,406
05/67/48	110K	9	133,654	401,480	535,134	21		97.47%	130,273	404,861
05/68/00	10k	9	5,913	17,764	23,677	21		98.44%	5,821	17,856
05/67/49	110K	12	68,011	204,182	272,193	21		99.61%	67,746	204,447
05//67/50	110K	13	110,762	332,468	443,230	21		98.21%	108,779	334,451
05/67/51	110K	14	91,162	273,639	364,801	21		100.00%	91,162	273,639
05/67/52	110K	15	98,360	295,229	393,589	21		99.74%	98,104	295,485
05/67/53	110K	16	77,041	231,246	308,287	21		97.97%	75,477	232,810
05/67/54	110K	18	132,016	396,339	528,355	21		98.95%	130,630	397,725
05/67/55	110K	20	121,326	364,295	485,621	21		99.72%	120,986	364,635
05/67/56	110K	22	124,066	110,101	234,167	21		99.68%	123,669	110,498
05/54/51	10k	22	9,377	28,131	37,508	21		98.44%	9,231	28,277
05/54/52	10k	22	3,944	11,832	15,776	21		98.44%	3,882	11,894
05/67/57	110K	21	93,290	280,072	373,362	21		100.00%	93,290	280,072
05/67/58	110K	24	119,183	357,070	476,253	21		98.44%	117,324	358,929
05/67/59	110K	23	94,424	283,357	377,781	21		98.44%	92,951	284,830
05/67/60	110K	26	105,786	317,358	423,144	21		98.44%	104,136	319,008
05/67/61	110K	25	49,680	149,208	198,888	21		98.44%	48,905	149,983
05/67/62	110K	28	54,779	164,304	219,083	21		98.44%	53,924	165,159
Hatchery Totals			2,867,650	6,344,554	9,212,204	Retention Average		98.44%	2,826,025	6,386,179

Feather River Fish Hatchery



Table 2a. Daily Spring-Run Tagging Rates at Feather River Hatchery

Feather River Fish Hatchery - Spring Run Chinook - 50% Mark/Tag							
Tag Code: 06/32/33			Size: 500K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
2/18/2025	H2	H1	9,074	-	9,179	-	18,253
2/18/2025	H2	H1	21,135	30,209	21,144	30,323	60,532
2/19/2025	H2	H1	29,115	59,324	29,321	59,644	118,968
2/19/2025	H2	H1	38,913	98,237	39,056	98,700	196,937
2/20/2025	H2	H1	34,549	132,786	34,853	133,553	266,339
2/20/2025	H2	H1	23,590	156,376	23,821	157,374	313,750
2/21/2025	H4	H3	37,666	194,042	37,822	195,196	75,488
2/24/2025	H4	H3	40,315	234,357	40,992	236,188	156,795
2/24/2025	H4	H3	40,031	274,388	40,293	276,481	237,119
2/25/2025	H4	H3	25,994	300,382	26,491	302,972	289,604
2/25/2025	H4	H3	22,762	323,144	23,018	325,990	335,384
2/26/2025	H5	H6	38,659	361,803	39,066	365,056	77,725
2/26/2025	H5	H6	40,791	402,594	41,721	406,777	160,237
2/27/2025	H5	H6	49,952	452,546	50,967	457,744	261,156
2/27/2025	H5	H6	24,195	476,741	26,926	484,670	312,277
Tag Code Total			-	476,741	-	484,670	961,411

Feather River Fish Hatchery - Spring Run Chinook - 50% Mark/Tag							
Tag Code: 06/32/30			Size: 500K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/10/2025	G2	G1	33,571	-	33,635	-	67,206
3/11/2025	G2	G1	47,766	81,337	49,194	82,829	164,166
3/11/2025	G2	G1	37,999	119,336	39,128	121,957	241,293
3/12/2025	G2	G1	47,962	167,298	49,846	171,803	339,101
3/12/2025	G2	G1	8,494	175,792	8,526	180,329	356,121
3/13/2025	G5	G6	35,609	211,401	36,563	216,892	72,172
3/13/2025	G5	G6	37,336	248,737	37,948	254,840	147,456
3/14/2025	G5	G6	31,213	279,950	32,486	287,326	211,155
3/17/2025	G4	G3	33,203	313,153	33,848	321,174	67,051
3/17/2025	G4	G3	35,644	348,797	35,781	356,955	138,476
3/18/2025	G4	G3	53,181	401,978	54,220	411,175	245,877
3/18/2025	G4	G3	37,459	439,437	38,330	449,505	321,666
3/19/2025	G4	G3	36,394	475,831	37,405	486,910	395,465
Tag Code Total			-	475,831	-	486,910	962,741

Feather River Fish Hatchery - Spring Run Chinook - 50% Mark/Tag							
Tag Code: 06/28/84			Size: 125K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/20/2025	F5	H2	36,590	-	38,103	-	74,693
3/20/2025	F5	H2	35,794	72,384	35,955	74,058	146,442
3/21/2025	F5	H2	42,428	114,812	42,981	117,039	231,851
3/21/2025	F5	H2	13,638	128,450	13,657	130,696	259,146
Tag Code Total			-	128,450	-	130,696	259,146

Feather River Fish Hatchery - Spring Run Chinook - 50% Mark/Tag							
Tag Code: 06/20/12			Size: 170K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/24/2025	F4	H3	42,711	-	44,425	-	87,136
3/24/2025	F4	H3	44,751	87,462	44,973	89,398	176,860
3/25/2025	F4	H3	50,793	138,255	50,903	140,301	278,556
3/25/2025	F4	H3	33,663	171,918	33,723	174,024	345,942
Tag Code Total			-	171,918	-	174,024	345,942

Feather River Fish Hatchery - Spring Run Chinook - 50% Mark/Tag							
Tag Code: 06/15/37			Size: 200K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/26/2025	F2	H5	49,330	-	49,432	-	98,762
3/26/2025	F2	H5	45,031	94,361	45,072	94,504	188,865
3/27/2025	F2	H5	51,042	145,403	51,054	145,558	290,961
3/27/2025	F2	H5	52,134	197,537	52,161	197,719	395,256
3/28/2025	F2	H5	6,877	204,414	6,892	204,611	409,025
Tag Code Total			-	204,414	-	204,611	409,025

Hatchery Totals	Tagged	Untagged	Total
	1,457,354	1,480,911	2,938,265
Retention Range: 95.60%-98.40%		Retention Average: 97.00%	

Table 2b. Summary of Hatchery Spring-Run Tag Codes and Tag Retention Study

Feather River Fish Hatchery - Spring Run Chinook										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
06/32/33	500k	H1, H3,H6	476,741	484,670	961,411	900	21	98.20%	468,160	493,251
06/32/30	500K	G1,G6,G3	475,831	486,910	962,741	900	21	98.40%	471,073	491,668
06/28/25	125K	H2	128,450	130,696	259,146	900	21	95.60%	127,307	131,839
06/20/12	170K	H3	171,918	174,024	345,942	910	17	97.00%	166,760	179,182
06/15/37	200K	H5	204,414	204,611	409,025	900	21	97.00%	200,775	208,250
Hatchery Totals			1,457,354	1,480,911	2,938,265	Retention Average		97.00%	1,434,075	1,504,190

Table 2c. Daily Tagging Rates at Feather River Hatchery

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/92			Size: 225K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/28/2025	E2	CH4	12,496	-	37,533	-	50,029
3/31/2025	E2	CH4	25,110	37,606	75,369	112,902	150,508
3/31/2025	E2	CH4	29,678	67,284	89,088	201,990	269,274
4/1/2025	E2	CH4	31,987	99,271	96,005	297,995	397,266
4/1/2025	E2	CH4	40,497	139,768	121,551	419,546	559,314
4/2/2025	E2	CH4	21,570	161,338	64,743	484,289	645,627
4/2/2025	E2	CH4	663	162,001	2,519	486,808	648,809
4/2/2025	E4	CH4	5,835	167,836	17,532	504,340	672,176
4/3/2025	E4	CH4	23,338	191,174	70,039	574,379	765,553
4/3/2025	E4	CH4	31,678	222,852	95,032	669,411	892,263
4/4/2025	E4	CH4	28,299	251,151	84,927	754,338	1,005,489
Tag Code Totals			-	251,151	-	754,338	1,005,489

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/93			Size: 225K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/4/2025	E4	CH3	26,343	-	79,044	-	105,387
4/7/2025	E4	CH3	19,473	45,816	58,471	137,515	183,331
4/7/2025	E4	CH3	25,013	70,829	75,075	212,590	283,419
4/8/2025	E4	CH3	20,458	91,287	61,426	274,016	365,303
4/8/2025	E5	CH3	9,581	100,868	28,795	302,811	403,679
4/9/2025	E5	CH3	18,281	119,149	54,872	357,683	476,832
4/9/2025	E5	CH3	20,458	139,607	61,394	419,077	558,684
4/10/2025	E5	CH3	27,952	167,559	83,900	502,977	670,536
4/10/2025	E5	CH3	31,746	199,305	95,268	598,245	797,550
4/11/2025	E5	CH3	20,520	219,825	61,591	659,836	879,661
4/11/2025	D2	CH3	27,834	247,659	83,559	743,395	991,054
4/14/2025	D2	CH3	2,354	250,013	7,089	750,484	1,000,497
Tag Code Totals			-	250,013	-	750,484	1,000,497

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/65			Size: 114K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/14/2025	D2	H2	29,539	-	88,638	-	118,177
4/14/2025	D2	H2	38,980	68,519	116,980	205,618	274,137
4/15/2025	D2	H2	11,345	79,864	34,073	239,691	319,555
4/15/2025	D2	H3	21,513	101,377	64,565	304,256	86,078
4/15/2025	D2	H3	17,407	118,784	52,290	356,546	155,775
4/16/2025	D2	H3	6,248	125,032	18,774	375,320	180,797
Tag Code Totals			-	125,032	-	375,320	500,352

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/95			Size: 225K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/16/2025	D2	CH1	10,311	-	30,954	-	41,265
4/16/2025	D2	CH1	15,201	25,512	45,628	76,582	102,094
4/16/2025	D4	CH1	4,990	30,502	14,994	91,576	122,078
4/17/2025	D4	CH1	31,094	61,596	93,313	184,889	246,485
4/17/2025	D4	CH1	29,272	90,868	87,844	272,733	363,601
4/18/2025	D4	CH1	30,609	121,477	91,847	364,580	486,057
4/18/2025	D4	CH1	37,045	158,522	111,157	475,737	634,259
4/21/2025	D4	CH1	20,910	179,432	62,802	538,539	717,971
4/21/2025	D5	CH1	24,715	204,147	74,183	612,722	816,869
4/22/2025	D5	CH1	35,766	239,913	107,324	720,046	959,959
4/22/2025	D5	CH1	11,177	251,090	33,567	753,613	1,004,703
Tag Code Totals			-	251,090	-	753,613	1,004,703

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/57			Size: 76K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/22/2025	D5	G2	13,239	-	39,760	-	52,999
4/23/2025	D5	G2	37,373	50,612	112,149	151,909	202,521
4/23/2025	D5	G2	35,394	86,006	106,216	258,125	344,131
Tag Code Totals			-	86,006	-	258,125	344,131

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/94			Size: 225K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/24/2025	D5	CH1	6,895	-	20,736	-	27,631
4/24/2025	C4	CH1	274	7,169	995	21,731	28,900
4/25/2025	C2	CH1	36,173	43,342	108,552	130,283	173,625
4/25/2025	C2	CH1	53,982	97,324	161,977	292,260	389,584
4/28/2025	C2	CH1	31,639	128,963	94,951	387,211	516,174
4/28/2025	C2	CH1	41,124	170,087	123,395	510,606	680,693
4/29/2025	C2	CH1	28,937	199,024	86,845	597,451	796,475
4/29/2025	C3	CH1	31,613	230,637	94,863	692,314	922,951
4/30/2025	C3	CH1	19,621	250,258	58,929	751,243	1,001,501
Tag Code Totals			-	250,258	-	751,243	1,001,501

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/58			Size: 76K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/30/2025	C3	G3	20,801	-	63,581	-	84,382
5/1/2025	C3	G3	29,433	50,234	88,338	151,919	202,153
5/1/2025	C3	G3	21,654	71,888	64,984	216,903	288,791
5/2/2025	C3	G3	11,444	83,332	34,401	251,304	334,636
Tag Code Totals			-	83,332	-	251,304	334,636

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/30/38			Size:225K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/2/2025	C3	CH1	16,047	-	48,167	-	64,214
5/3/2025	C3	CH1	37,082	53,129	111,410	159,577	212,706
5/3/2025	C3	CH1	22,137	75,266	66,483	226,060	301,326
5/4/2025	C3	CH1	31,984	107,250	95,993	322,053	429,303
5/4/2025	C3	CH1	28,550	135,800	85,712	407,765	543,565
5/5/2025	C4	CH1	24,131	159,931	72,420	480,185	640,116
5/5/2025	C4	CH1	29,222	189,153	87,692	567,877	757,030
5/6/2025	C4	CH1	3,592	192,745	10,800	578,677	771,422
5/6/2025	D4	CH1	12,892	205,637	38,700	617,377	823,014
5/7/2025	D4	CH1	33,331	238,968	100,022	717,399	956,367
5/7/2025	D4	CH1	12,305	251,273	36,977	754,376	1,005,649
Tag Code Totals			-	251,273	-	754,376	1,005,649

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/66			Size: 114K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/7/2025	D4	H2	6,419	-	19,279	-	25,698
5/8/2025	D4	H2	27,739	34,158	83,281	102,560	136,718
5/8/2025	D2	H2	41,596	75,754	124,817	227,377	303,131
5/9/2025	D2	H2	8,780	84,534	26,372	253,749	338,283
5/9/2025	D2	H4	31,167	115,701	93,521	347,270	330,759
Tag Code Totals			-	115,701	-	347,270	462,971

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/60			Size: 76K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/9/2025	D2	H4	15,292	-	45,903	-	61,195
5/10/2025	D4	H4	26,625	41,917	79,917	125,820	167,737
5/10/2025	D4	H4	9,577	51,494	28,757	154,577	330,759
Tag Code Totals			-	51,494	-	154,577	206,071

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/67			Size: 150K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/10/2025	D4	G2	4,875	-	14,671	-	19,546
5/11/2025	D4	G2	36,081	40,956	108,282	122,953	163,909
5/11/2025	D4	G2	7,911	48,867	23,782	146,735	195,602
5/11/2025	C2	G2	10,108	58,975	30,405	177,140	236,115
5/12/2025	C2	G2	3,462	62,437	10,436	187,576	250,013
5/12/2025	C2	G4	62,514	124,951	187,562	375,138	250,076
Tag Code Totals			-	124,951	-	375,138	500,089

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/68			Size: 150K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/13/2025	C2	D2	27,717	-	83,185	-	110,902
5/13/2025	B4	D2	26,055	53,772	78,194	161,379	215,151
5/14/2025	B4	D2	9,402	63,174	28,249	189,628	252,802
5/14/2025	B4	D4	47,760	110,934	143,319	332,947	191,079
5/15/2025	B4	D4	14,977	125,911	44,969	377,916	251,025
Tag Code Totals			-	125,911	-	377,916	503,827

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/69			Size: 150K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/15/2025	B4	H2	29,350	-	88,077	-	117,427
5/16/2025	B2	H2	24,693	54,043	74,115	162,192	216,235
5/16/2025	B2	H2	9,025	63,068	27,095	189,287	252,355
5/16/2025	B2	H4	8,543	71,611	25,650	214,937	34,193
5/17/2025	B2	H4	33,747	105,358	101,277	316,214	169,217
5/17/2025	B2	H4	2,851	108,209	8,593	324,807	180,661
5/17/2025	C4	H4	8,430	116,639	25,526	350,333	214,617
5/18/2025	C4	H4	7,943	124,582	23,856	374,189	246,416
Tag Code Totals			-	124,582	-	374,189	498,771

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/20/13			Size: 170K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/18/2025	C4	C2	9,002	-	27,085	-	36,087
5/18/2025	C4	C2	26,257	35,259	78,846	105,931	141,190
5/19/2025	C4	C2	26,649	61,908	79,968	185,899	247,807
5/20/2025	A4	C2	14,725	76,633	44,201	230,100	306,733
5/20/2025	A4	C2	6,843	83,476	20,672	250,772	334,248
5/20/2025	A4	C4	15,530	99,006	46,709	297,481	62,239
5/21/2025	A4	C4	29,712	128,718	89,166	386,647	181,117
5/21/2025	A4	C4	17,850	146,568	53,582	440,229	252,549
5/22/2025	A4	C4	20,095	166,663	60,342	500,571	332,986
Tag Code Totals			-	166,663	-	500,571	667,234

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/64			Size: 114K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/22/2025	A2	D4	9,589	-	28,793	-	38,382
5/22/2025	A2	D4	34,807	44,396	104,449	133,242	177,638
5/23/2025	A2/A4	D4	18,392	62,788	55,206	188,448	251,236
5/23/2025	A4	D2	32,817	95,605	98,485	286,933	131,302
5/24/2025	A4	D2	28,573	124,178	86,447	373,380	246,322
Tag Code Totals			-	124,178	-	373,380	497,558

Feather River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/28/71			Size: 30K			Trailer # CA3	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/24/2025	A4	A2	11,845	-	35,570	-	47,415
5/27/2025	A4	A2	15,878	27,723	47,696	83,266	110,989
Tag Code Totals			-	27,723	-	83,266	110,989

Hatchery Totals	Tagged	Untagged	Total
	2,409,358	7,235,110	9,644,468
Retention Range: 97.90% - 97.90%		Retention Average: 97.90%	

Table 2d. Summary of Hatchery Fall-Run Tag Codes and Retention Study

Feather River Fish Hatchery - Fall Run Chinook										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
06/31/92	225K	CH4	251,151	754,338	1,005,489	900	0	97.90%	245,877	759,612
06/31/93	225K	CH3	250,013	750,484	1,000,497	900	0	97.90%	244,763	755,734
06/32/65	114K	H2, H3	125,032	375,320	500,352	900	0	97.90%	122,406	377,946
06/31/95	225K	CH1	251,090	753,613	1,004,703	900	0	97.90%	245,817	758,886
06/32/57	76K	G2	86,006	258,125	344,131	900	0	97.90%	84,200	259,931
06/31/94	225K	CH1	250,258	751,243	1,001,501	900	0	97.90%	245,003	756,498
06/32/58	76K	G3	83,332	251,304	334,636	900	0	97.90%	81,582	253,054
06/30/38	225K	CH1	251,273	754,376	1,005,649	900	0	97.90%	245,996	759,653
06/32/66	114K	H2	115,701	347,270	462,971	900	0	97.90%	113,271	349,700
06/32/60	76K	H4	51,494	154,577	206,071	900	0	97.90%	50,413	155,658
06/32/67	150K	G2,G4	124,951	375,138	500,089	900	0	97.90%	122,327	377,762
06/32/68	150K	D2,D4	125,911	377,916	503,827	900	0	97.90%	123,267	380,560
06/32/69	150K	H2,H4	124,582	374,189	498,771	900	0	97.90%	121,966	376,805
06/20/13	170K	C2,C4	166,663	500,571	667,234	900	0	97.90%	163,163	504,071
06/32/64	114K	D4,D2	124,178	373,380	497,558	900	0	97.90%	121,570	375,988
06/28/71	30K	A2	27,723	83,266	110,989	900	0	97.90%	27,141	83,848
Hatchery Totals			2,409,358	7,235,110	9,644,468	Retention Average		97.90%	2,358,761	7,285,707

Table 2D. Fall Run Chinook at Feather River Fish Hatchery were released immediately following processing, therefore, retention rates were based on a prior 3-year average retention rate for fall run Chinook at this facility.

Feather River Fish Hatchery - Steelhead - 100% Mark Only					
Trailer # CA3					
Marking Date	Raceway Prior to Marking	Raceway Following Marking	Daily Marked Total	Cumulative Marked Total	Raceway Total
6/16/2025	F4	F2	12,096	-	12,096
6/17/2025	F4	F2	46,351	58,447	58,447
6/18/2025	F4	F2	55,003	113,450	113,450
6/19/2025	F4	F2	52,630	166,080	166,080
6/23/2025	F4	F2	51,169	217,249	217,249
6/24/2025	F4	F2	53,269	270,518	53,269
6/25/2025	F4	F2	36,786	307,304	307,304
6/26/2025	F4	F2	55,445	362,749	362,749
6/27/2025	F4	F2	50,395	413,144	413,144
6/30/2025	E2	E4	22,671	435,815	-
7/1/2025	E2	E4	42,830	478,645	65,501
7/2/2025	E2	E4	35,806	471,621	101,307
7/3/2025	E2	E4	40,454	512,075	141,761
7/7/2025	E2	E4	40,853	512,474	182,614
7/8/2025	E2	E4	45,096	557,570	227,710
7/9/2025	E2	E4	49,132	561,606	276,842
7/10/2025	E2	E4	11,936	573,542	288,778
Hatchery Total			-	701,922	

Merced Hatchery



Table 3a. Daily Tagging Rates at Merced Hatchery

Merced River Fish Hatchery - Fall Run Chinook - 25% Mark/Tag					
Tag Code: 06/00/58		Size: 50K		Trailer # Manual Trailer	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
3/10/2025	L1	L4	386	-	614
3/11/2025	L1	L4	1,897	2,283	2,283
3/12/2025	L1	L4	4,086	6,369	6,369
3/13/2025	L1	L4	4,294	10,663	10,663
3/14/2025	L1	L4	4,814	15,477	15,477
3/17/2025	L1	L4	5,124	20,601	20,601
3/18/2025	L1	L4	6,936	27,537	27,537
3/19/2025	L1	L4	3,700	31,237	31,237
4/1/2025	L1	L6	7,174	38,411	-
4/2/2025	L1	L6	6,150	44,561	13,324
4/3/2025	L1	L6	3,823	48,384	17,147
Tag Code Total			-	48,384	-

Merced River Fish Hatchery - Fall Run Chinook - 25% Mark/Tag					
Tag Code: 06/30/32		Size: 100K		Trailer # Manual	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
3/20/2025	AR4	AR2	2,712	-	-
3/21/2025	AR4	AR2	5,764	8,476	8,476
3/24/2025	AR4	AR2	6,115	14,591	14,591
3/25/2025	AR4	AR2	8,086	22,677	22,677
3/26/2025	AR4	AR2	8,050	30,727	30,727
3/27/2025	AR4	AR2	8,080	38,807	38,807
3/28/2025	AR4	AR2	7,028	45,835	45,835
3/31/2025	AR4	AR2	7,023	52,858	52,858
4/7/2025	AR4	AR2	7,968	60,826	60,826
4/8/2025	AR4	AR2	4,110	64,936	64,936
4/8/2025	AR4	AR3	2,705	67,641	-
4/9/2025	AR4	AR3	7,413	75,054	10,118
4/10/2025	AR4	AR1	8,618	83,672	-
4/11/2025	AR4	AR1	9,023	92,695	17,641
4/14/2025	AR4	AR1	8,300	100,995	25,941
4/15/2025	AR4	AR1	6,426	107,421	32,367
4/16/2025	AR4	AR1	5,006	112,427	37,373
4/17/2025	AR4	AR1	5,227	117,654	42,600
Tag Code Total			-	117,654	

Merced River Fish Hatchery - Fall Run Chinook - 25% Mark/Tag					
Tag Code: 06/05/74		Size: 50K		Trailer # Manual	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
4/17/2025	AR4	AR1	781	-	4,441
4/18/2025	AR4	AR1	5,595	6,376	6,376
4/21/2025	AR4	AR1	5,914	12,290	12,290
4/22/2025	AR4	AR1	5,668	17,958	17,958
4/23/2025	AR4	AR1	5,555	23,513	23,513
Tag Code Total			-	23,513	23,513

Hatchery Totals	Tagged	Untagged	Total
	189,551	568,653	758,204
Retention Range: 81.14% - 96.37%	Retention Average: 88.15%		

Table 3b. Summary of Merced River Fish Hatchery Fall-Run Tag Codes and Retention Study

Merced River Fish Hatchery - Spring Run Chinook										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
06/00/58	50K	L4, L6	48,384	-	113,953	498	21	96.37%	109,817	4,136
06/30/32	100K	A4	117,654	-	39,344	486	21	81.14%	31,924	7,420
06/00/57	50K	B16	23,513	-	55,245	787	21	86.94%	48,030	7,215
Hatchery Totals			189,551	568,653	758,204	Retention Average		88.15%	189,770	18,772

Mokelumne River Hatchery



Table 4a. Daily Tagging Rates at Mokelumne River Hatchery

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/84			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/10/2025	C	A	37,973	-	114,168	-	152,141
3/11/2025	C	A	38,385	76,358	115,179	229,347	305,705
3/11/2025	C	A	26,213	102,571	78,900	308,247	410,818
3/12/2025	C	A	18,969	121,540	56,931	365,178	486,718
Tag Code Totals			-	121,540	-	365,178	486,718

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/77			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/12/2025	C/D	B	13,253	-	39,759	-	53,012
3/12/2025	D	B	30,063	43,316	90,294	130,053	173,369
3/13/2025	D	B	38,568	81,884	115,728	245,781	327,665
3/13/2025	D	B	31,147	113,031	93,630	339,411	452,442
3/14/2025	D	B	14,337	127,368	43,035	382,446	509,814
Tag Code Totals			-	127,368	-	382,446	509,814

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code:06/31/78			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/14/2025	D/E	C	35,702	-	107,220	-	142,922
3/17/2025	E	C	23,661	59,363	70,983	178,203	237,566
3/17/2025	E	C	33,873	93,236	101,706	279,909	373,145
3/18/2025	E	C	36,337	129,573	109,011	388,920	518,493
Tag Code Totals			-	129,573	-	388,920	518,493

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code:06/31/79			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/18/2025	E/F	D	35,990	-	108,054	-	144,044
3/19/2025	F	D	38,563	74,553	115,713	223,767	298,320
3/19/2025	F	D	33,365	107,918	100,143	323,910	431,828
3/20/2025	F	D	13,537	121,455	40,635	364,545	486,000
Tag Code Totals			-	121,455	-	364,545	486,000

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/80			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/20/2025	F/G	E	23,343	-	70,029	-	93,372
3/20/2025	G	E	32,681	56,024	98,121	168,150	224,174
3/21/2025	G	E	30,238	86,262	90,738	258,888	345,150
3/21/2025	G	E	26,715	112,977	80,451	339,339	452,316
3/24/2025	G	E	8,693	121,670	26,127	365,466	487,136
Tag Code Totals			-	121,670	-	365,466	487,136

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/81			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/24/2025	G/H	F	20,866	-	62,691	-	83,557
3/25/2025	H	F	31,693	52,559	95,355	158,046	210,605
3/25/2025	H	F	32,853	85,412	98,817	256,863	342,275
3/26/2025	H	F	30,327	115,739	91,287	348,150	463,889
3/26/2025	H	F	5,967	121,706	17,961	366,111	487,817
Tag Code Totals			-	121,706	-	366,111	487,817

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/82			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/26/2025	I	G	22,879	-	68,853	-	91,732
3/27/2025	I	G	27,613	50,492	83,070	151,923	202,415
3/27/2025	I	G	24,020	74,512	72,180	224,103	298,615
3/28/2025	I	G	24,675	99,187	74,079	298,182	397,369
3/28/2025	I	G	30,594	129,781	92,139	390,321	520,102
Tag Code Totals			-	129,781	-	390,321	520,102

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/83			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
3/31/2025	I/J	H	23,063	-	69,213	-	92,276
3/31/2025	J	H	35,132	58,195	105,558	174,771	232,966
4/1/2025	J	H	35,820	94,015	107,478	282,249	376,264
4/1/2025	J	H	36,974	130,989	111,024	393,273	524,262
Tag Code Totals			-	130,989	-	393,273	524,262

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/85			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/2/2025	J/K	I	18,998	-	57,018	-	76,016
4/2/2025	K	I	39,121	58,119	117,453	174,471	232,590
4/3/2025	K	I	38,096	96,215	114,312	288,783	384,998
4/3/2025	K	I	29,980	126,195	89,973	378,756	504,951
4/4/2025	K	I	1,240	127,435	3,720	382,476	509,911
Tag Code Totals			-	127,435	-	382,476	509,911

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/86			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/4/2025	K/L	J	52,627	-	157,932	-	210,559
4/7/2025	L	J	24,485	77,112	73,485	231,417	308,529
4/7/2025	L	J	22,808	99,920	68,433	299,850	399,770
4/8/2025	L	J	22,501	122,421	67,595	367,445	489,866
Tag Code Totals			-	122,421	-	367,445	489,866

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/87			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/8/2025	L/M	K	35,381	-	106,139	-	141,520
4/9/2025	M	K	33,786	69,167	101,383	207,522	276,689
4/9/2025	M	K	36,564	105,731	109,704	317,226	422,957
4/10/2025	M	K	16,118	121,849	48,378	365,604	487,453
Tag Code Totals			-	121,849	-	365,604	487,453

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/12			Size: 185K Split Between L and M			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/10/2025	M	L	16,848	-	50,549	-	67,397
4/10/2025	M/N	L	32,503	49,351	97,651	148,200	197,551
4/11/2025	N	L	24,207	73,558	72,649	220,849	294,407
4/11/2025	N	L	14,203	87,761	42,613	263,462	351,223
4/14/2025	N	L	6,111	93,872	18,354	281,816	375,688
4/11/2025	N	M	11,912	-	35,733	-	47,645
4/14/2025	N	M	18,828	30,740	56,483	92,216	122,956
4/14/2025	N	M	25,659	56,399	76,981	169,197	225,596
4/15/2025	N/P	M	37,876	94,275	113,650	282,847	377,122
Tag Code Totals			-	188,147	-	564,663	752,810

Mokelumne River Fish Hatchery - Fall Run Chinook - 100% Mark/Tag					
Tag Code: 06/31/96		Size:200K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
4/15/2025	P	N1	55,638	-	55,638
4/16/2025	P	N1	60,265	115,903	115,903
4/16/2025	P	N1	65,982	181,885	181,885
4/17/2025	P	N1	18,637	200,522	200,522
Tag Code Total			-	-	200,522

Mokelumne River Fish Hatchery - Fall Run Chinook - 100% Mark/Tag					
Tag Code: 06/32/10		Size:160K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
4/17/2025	P	N2	41,016	-	41,016
4/17/2025	P	N2	70,439	111,455	111,455
4/18/2025	P	N2	48,648	160,103	160,103
Tag Code Total			-	-	160,103

Mokelumne River Fish Hatchery - Fall Run Chinook - 100% Mark/Tag					
Tag Code: 06/32/09		Size:160K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
4/18/2025	P	N2	34,834	-	194,937
4/21/2025	P/Q	N2	44,468	79,302	239,405
4/21/2025	Q	N2	50,021	129,323	289,426
4/22/2025	O	N2	31,029	160,352	320,455
Raceway Total			-	160,352	320,455

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code:06/31/88			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/22/2025	O	P	15,430	-	46,292	-	61,722
4/22/2025	O	P	35,131	50,561	105,394	151,686	202,247
4/23/2025	O	P	41,085	91,646	123,276	274,962	366,608
4/23/2025	O	P	33,498	125,144	100,493	375,455	500,599
Tag Code Totals			-	125,144	-	375,455	500,599

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code:06/31/89			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/24/2025	Q	O	36,925	-	110,800	-	147,725
4/24/2025	Q	O	33,328	70,253	99,984	210,784	281,037
4/25/2025	Q	O	28,197	98,450	84,613	295,397	393,847
4/25/2025	Q/R	O	23,324	121,774	69,969	365,366	487,140
Tag Code Totals			-	121,774	-	365,366	487,140

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/90			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/28/2025	R	Q	27,562	-	82,710	-	110,272
4/28/2025	R	Q	34,312	61,874	103,005	185,715	247,589
4/29/2025	R	Q	38,882	100,756	116,670	302,385	403,141
4/29/2025	R/S	Q	24,447	125,203	74,276	376,661	501,864
Tag Code Totals			-	125,203	-	376,661	501,864

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/31/91			Size: 125K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/29/2025	S	R	4,558	-	14,655	-	19,213
4/30/2025	S	R	37,854	42,412	113,650	128,305	170,717
4/30/2025	S	R	31,670	74,082	95,041	223,346	297,428
5/1/2025	S/T	R	38,718	112,800	116,195	339,541	452,341
5/1/2025	T	R	12,062	124,862	36,242	375,783	500,645
Tag Code Totals			-	124,862	-	375,783	500,645

Mokelumne River Fish Hatchery - Fall Run Chinook							
Tag Code: 06/15/72			Size: 100K			Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/1/2025	T	S	18,823	-	56,501	-	75,324
5/2/2025	T	S	30,525	49,348	91,597	148,098	197,446
5/2/2025	T	S	18,491	67,839	55,511	203,609	271,448
5/5/2025	T	S	14,362	82,201	43,306	246,915	329,116
Tag Code Totals			-	82,201	-	246,915	329,116

Hatchery Totals	Tagged	Untagged	Total
	2,664,095	6,436,628	9,100,723
Retention Range: 98.25% - 100%		Retention Average: 99.38%	

Table 4b. Summary of Hatchery Tag Codes and Tag Retention Studies

Mokelumne River Fish Hatchery - Fall Run Chinook										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
06/31/84	125K	A	121,540	365,178	486,718	400	21	100.00%	121,540	365,178
06/31/77	125K	B	127,368	382,446	509,814	401	21	99.50%	126,731	383,083
06/31/78	125K	C	129,573	388,920	518,493	400	20	100.00%	129,573	388,920
06/31/79	125K	D	121,455	364,545	486,000	400	21	100.00%	121,455	364,545
06/31/80	125K	E	121,670	365,466	487,136	400	21	100.00%	121,670	365,466
06/31/81	125K	F	121,706	366,111	487,817	400	22	99.00%	120,489	367,328
06/31/82	125K	G	129,781	390,321	520,102	401	21	98.25%	127,510	392,592
06/31/83	125K	H	130,989	393,273	524,262	400	15	98.75%	129,352	394,910
06/31/85	125K	I	127,435	382,476	509,911	400	22	99.00%	126,161	383,750
06/31/86	125K	J	122,421	367,445	489,866	400	22	100.00%	122,421	367,445
06/31/87	125K	K	121,849	365,604	487,453	400	21	98.75%	120,326	367,127
06/32/12	185K	L	93,872	281,816	375,688	400	32	98.28%	92,257	283,431
06/32/12	-	M	94,275	282,847	377,122	400	28	99.75%	94,039	283,083
06/31/96	200K	N1	200,522	0	200,522	400	32	98.75%	198,015	2,507
06/32/10	160K	N2	160,103	0	-	400	25	99.75%	159,703	400
06/32/09	160K	N2	160,352	0	320,455	400	25	99.75%	159,951	401
06/31/89	125K	O	121,774	365,366	487,140	386	22	100.00%	121,774	365,366
06/31/88	125K	P	125,144	375,455	500,599	395	23	100.00%	125,144	375,455
06/31/90	125K	Q	125,203	376,661	501,864	411	21	99.27%	124,289	377,575
06/31/91	125K	R	124,862	375,783	500,645	402	23	98.50%	122,989	377,656
06/15/72	100K	S	82,201	246,915	329,116	395	28	99.74%	81,987	247,129
Hatchery Totals			2,664,095	6,436,628	9,100,723	Retention Average		99.38%	2,647,377	6,453,346

Mokelumne River Fish Hatchery - Steelhead - 100% Mark/Tag					
Tag Code: 06/00/77		Size: 80k		Trailer # CAFG-1	
Marking Date	Raceway Prior to Marking	Raceway Following Marking	Daily Marked Total	Cumulative Marked Total	Raceway Total
6/30/2025	MOK	O	19,211	-	14,769
7/1/2025	MOK	O	20,789	40,000	40,000
7/1/2025	MOK	P	17,010	-	17,010
7/2/2025	MOK	P	22,998	40,008	40,008
Tag Code Total			-	80,008	-

Mokelumne River Fish Hatchery - Steelhead - 100% Mark Only					
Trailer # CAFG-1					
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Marked Total	Cumulative Marked Total	Raceway Total
7/2/2025	MOK	Q	9,709	-	9,709
7/3/2025	MOK	Q	31,170	40,879	40,879
7/21/2025	MOK	R	40,703	81,582	40,703
7/22/2025	MOK	S	40,816	122,398	40,816
7/22/2025	MOK	T	4,529	126,927	4,529
7/23/2025	MOK	T	31,133	158,060	35,662
Tag Code Total			-	158,060	-

Hatchery Totals	Tagged	Mark Only	Total
	80,008	158,060	238,068
Retention Range: N/A	Retention Average: N/A		

Nimbus Hatchery



Table 5a. Daily Tagging Rates at Nimbus Hatchery

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/74			Size: 190K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/8/2025	A4	A1	32,397	-	97,215	-	129,612
4/9/2025	A4	A1	35,342	67,739	106,122	203,337	271,076
4/10/2025	A4	A1	31,074	98,813	93,258	296,595	395,408
4/11/2025	A4	A1	31,855	130,668	95,595	392,190	522,858
4/14/2025	A4	A1	21,415	152,083	64,290	456,480	608,563
4/15/2025	A4	A1	27,872	179,955	83,664	540,144	720,099
4/16/2025	A4	A1	20,594	200,549	61,833	601,977	802,526
4/17/2025	A4	A1	14,835	215,384	44,541	646,518	861,902
Tag Code Totals			-	215,384	-	646,518	861,902

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/30/44			Size: 15K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/24/2025	B4	A1	7,747	-	23,293	-	31,040
Tag Code Totals			-	7,747	-	23,293	892,942

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/75			190K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/18/2025	B4	B1	19,399	-	58,230	-	77,629
4/21/2025	B4	B1	18,269	37,668	54,855	113,085	150,753
4/22/2025	B4	B1	28,529	66,197	85,671	198,756	264,953
4/23/2025	B4	B1	31,098	97,295	93,387	292,143	389,438
4/24/2025	B4	B1	20,601	117,896	61,810	353,953	471,849
4/25/2025	B4	B1	31,361	149,257	94,115	448,068	597,325
4/28/2025	B4	B1	21,392	170,649	64,231	512,299	682,948
4/29/2025	C4	B1	33,194	203,843	99,621	611,920	815,763
4/30/2025	C4	B1	10,987	214,830	32,983	644,903	859,733
Tag Code Totals			-	214,830	-	644,903	859,733

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/71			Size: 151K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
4/30/2025	C4	C1	8,479	-	25,446	-	33,925
5/1/2025	C4	C1	32,438	40,917	97,386	122,832	163,749
5/2/2025	C4	C1	26,593	67,510	79,838	202,670	270,180
5/5/2025	C4	C1	34,185	101,695	102,575	305,245	406,940
5/6/2025	C4	C1	33,025	134,720	99,142	404,387	539,107
5/7/2025	C4	C1	20,258	154,978	60,795	465,182	620,160
Tag Code Totals			-	154,978	-	465,182	620,160

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/30/50			Size: 30K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/7/2025	C4	C1	18577	-	55,731	-	74,308
Tag Code Totals			-	18,577	-	55,731	694,468

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/72			Size: 151K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/7/2025	D4	D1	34,001	-	102,027	-	136,028
5/8/2025	D4	D1	41,069	75,070	123,234	225,261	300,331
5/8/2025	D4	D1	39,674	114,744	119,030	344,291	459,035
5/9/2025	D4	D1	38,495	153,239	115,506	459,797	613,036
5/9/2025	D4	D1	12,581	165,820	37,743	497,540	663,360
Tag Code Totals			-	165,820	-	497,540	663,360

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/30/43			Size: 15K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/9/2025	D4	D1	11,727	-	35,181	-	46,908
Tag Code Totals			-	11,727	-	35,181	710,268

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/76			Size: 190K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/12/2025	E4	E1	10,237	-	30,783	-	41,020
5/12/2025	E4	E1	31,076	41,313	93,255	124,038	165,351
5/13/2025	E4	E1	38,666	79,979	116,040	240,078	320,057
5/13/2025	E4	E1	39,200	119,179	117,636	357,714	476,893
5/14/2025	E4	E1	33,419	152,598	100,335	458,049	610,647
5/14/2025	E4	E1	33,567	186,165	100,729	558,778	744,943
5/15/2025	E4	E1	29,882	216,047	89,674	648,452	864,499
5/15/2025	E4	E1	4,252	220,299	12,756	661,208	881,507
Tag Code Totals			-	220,299	-	661,208	881,507

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/30/45			Size: 15K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/9/2025	E4	E1	5,076	-	15,228	-	20,304
Tag Code Totals			-	5,076	-	15,228	901,811

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/32/73			Size: 151K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/15/2025	F4	F1	19,500	-	58,520	-	78,020
5/16/2025	F4	F1	31,020	50,520	93,119	151,639	202,159
5/19/2025	F4	F1	23,607	74,127	70,856	222,495	296,622
5/20/2025	F4	F1	38,206	112,333	114,645	337,140	449,473
5/20/2025	F4	F1	48,874	161,207	146,644	483,784	644,991
5/21/2025	F4	F1	2,446	163,653	7,509	491,293	654,946
Tag Code Totals			-	163,653	-	491,293	654,946

Nimbus Fish Hatchery - Fall Run Chinook							
Tag Code: 06/30/49			Size: 25K			Trailer # CA1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Daily Untagged Total	Cumulative Untagged Total	Raceway Total
5/21/2025	F4	F1	12,019	-	36,057	-	48,076
Tag Code Totals			-	12,019	-	36,057	703,022

Hatchery Totals	Tagged	Untagged	Total
	1,190,110	3,572,134	4,762,244
Retention Range: 97.25% - 100%		Retention Average: 99.21%	

Table 5b. Summary of Fall-Run Tag Codes and Tag Retention Studies

Nimbus Fish Hatchery - Fall Run Chinook										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
06/32/74	190K	A	215,384	646,518	861,902	800	21	99.75%	214,846	647,056
06/32/75	190K	B	214,830	644,903	859,733	800	21	100.00%	214,830	644,903
06/32/71	151K	C	154,978	465,182	620,160	800	2	99.75%	154,591	465,569
06/32/72	151K	D	165,820	497,540	663,360	800	21	99.50%	164,991	498,369
06/32/76	190K	E	220,299	662,158	882,457	800	13	99.00%	218,096	664,361
06/32/73	151K	F	163,653	491,293	654,946	800	12	97.25%	159,153	495,793
Hatchery Totals			1,134,964	3,407,594	4,542,558	Retention Average		99.21%	1,126,506	3,416,052

Nimbus Fish Hatchery - Steelhead - 100% Mark Only					
Trailer # CA1					
Marking Date	Raceway Prior to Marking	Raceway Following Marking	Daily Marked Total	Cumulative Marked Total	Raceway Total
5/27/2025	Lot 1,2	A	36274	-	36274
5/28/2025	Lot 2,3	A	43,726	80,000	80,000
5/28/2025	Lot 3	B	9,437	89,437	9,437
5/29/2025	Lot 3	B	27,563	117,000	37,000
6/9/2025	Lot 4	B	39,346	156,346	76,346
6/10/2025	Lot 4	B	6,654	163,000	83,000
6/10/2025	Lot 4,5	C	39,696	202,696	39,696
6/11/2025	Lot 5	C	41,304	244,000	81,000
6/11/2025	Lot 5	D	1,100	245,100	1,100
6/12/2025	Lot 5,6	D	6,911	252,011	8,011
6/23/2025	Lot 6	D	37,251	289,262	45,262
6/24/2025	Lot 6	D	34,676	323,938	79,938
6/25/2025	Lot 7	E	43,882	367,820	43,882
6/26/2025	Lot 7	E	33,403	401,223	77,285
6/26/2025	Lot 8	F	11,737	412,960	11,737
6/27/2025	Lot 8	F	47,843	460,803	59,580
6/30/2025	Lot 9	F	17,826	478,629	77,406
Hatchery Total			-	-	478,629

San Joaquin Fish Hatchery



Table 6a. Daily Tagging Rates at San Joaquin Fish Hatchery

San Joaquin Fish Hatchery - Spring Run Chinook - 100% Mark/Tag					
Tag Code: 06/04/00		Size: 15K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
2/18/2025	OT6-1	OT6-1	5,392	-	5,392
2/19/2025	OT6-1	OT6-2	8,608	-	14,000
Tag Code Total			-	14,000	14,000

San Joaquin Fish Hatchery - Spring Run Chinook - 100% Mark/Tag					
Tag Code: 06/21/99		Size: 15K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
2/19/2025	OT6-1	OT6-2	15,008	-	15,008
Tag Code Total			-	15,008	15,008

San Joaquin Fish Hatchery - Spring Run Chinook - 100% Mark/Tag					
Tag Code: 06/22/03		Size: 50K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
2/19/2025	OT6-3	OT6-3	14,116	-	14,116
2/20/2025	OT6-3	OT6-3	29,693	-	43,809
Tag Code Total			-	43,809	43,809

San Joaquin Fish Hatchery - Spring Run Chinook - 100% Mark/Tag					
Tag Code: 06/18/66		Size: 120K		Trailer # CAFG-1	
Tagging Date	Raceway Prior to Tagging	Raceway Following Tagging	Daily Tagged Total	Cumulative Tagged Total	Raceway Total
2/20/2025	OT6-4	OT6-4	17,603	-	17,603
2/21/2025	OT6-4	OT6-4	31,009		48,612
2/24/2025	OT6-4	OT6-4	26,282		74,894
2/25/2025	OT6-4	OT6-4	28,064	-	102,958
Tag Code Total			-	102,958	102,958

Hatchery Totals	Tagged	Untagged	Total
	175,775	0	175,775
Retention Range: 99.00% - 99.50%	Retention Average: 99.25%		

Table 6b. Summary of Spring-Run Tag Codes and Tag Retention Studies

San Joaquin Fish Hatchery - Winter Run Chinook - 100% Mark/Tag										
Tag Code Size and Location			Tag Code Totals			Retention Calculations				
Tag Code	Size	Raceway	Total Tagged	Number Untagged	Total Processed	# of Fish Held	Days Held	% Retention	# Retaining Tags	Calculated Untagged
06/04/00	15k	OT6-1, OT6-2	14,000	-	14,000	200	21	99.25%	13,895	105
06/21/99	15k	OT6-2	15,008	-	15,008	200	21	99.00%	14,858	150
06/22/03	50k	OT6-3	43,809	-	43,809	200	21	99.25%	43,480	329
06/18/66	120k	OT6-4	102,958	-	102,958	200	21	99.50%	102,443	515
Hatchery Totals			175,775	0	175,775	Retention Average		99.25%	174,677	1,098

Warm Springs Fish Hatchery



Table 7a. Daily Tagging Rates at Warm Springs Fish Hatchery

Warm Springs Fish Hatchery - Steelhead - 100% Mark Only					
Trailer # CA2					
Marking Date	Raceway Prior to Marking	Raceway Following Marking	Daily Marked Total	Cumulative Marked Total	Raceway Total
6/30/2025	3	4	28,794	-	28,794
6/30/2025	2	3	4,786	33,580	-
7/1/2025	2	3	20,199	53,779	24,985
7/1/2025	1	2	21,415	75,194	21,415
7/1/2025	6	8	5,960	81,154	-
7/2/2025	6	8	17,324	98,478	23,284
7/2/2025	Lot 8, 12	1	29,062	127,540	29,062
7/2/2025	10	9	4,589	132,129	-
7/3/2025	10	9	10,444	142,573	15,033
7/3/2025	11	10	18,484	161,057	18,484
7/21/2025	12	11	20,599	181,656	20,599
7/22/2025	13	12	18,161	199,817	18,161
7/22/2025	14	13	21,359	221,176	21,359
7/23/2025	15	14	19,195	240,371	19,195
7/23/2025	16	15	19,081	259,452	-
7/24/2025	16	15	4,414	263,866	23,495
7/24/2025	17	16	19,708	283,574	19,708
7/25/2025	7	6	20,028	303,602	20,028
7/25/2025	5	7	20,544	324,146	20,544
8/18/2025	18	17	11,931	336,077	
8/19/2025	18	17	15,211	351,288	27,142

8/19/2025	19	18	20,353	371,641	-
8/19/2025	19	18	17,815	389,456	38,168
8/20/2025	20	19	13,299	402,755	-
8/21/2025	20	19	16,884	419,639	30,183
8/21/2025	20	5	22,470	442,109	22,470
Hatchery Totals			-	-	442,109