
REC 7 FISH HATCHERY AND STOCKING EVALUATION

1.0 EXECUTIVE SUMMARY

Information on fish populations in study river reaches and reservoirs, and fish stocking practices was identified in the CAWG 7, Characterize Fish Populations (SCE 2003b) report. This report (REC 7 Report) presents related fish stocking information summarized from the CAWG 7 report from a perspective more useful to the Recreation Working Group. This information will be used to assist in the evaluation of recreational aspects of the stocking program in study streams and reservoirs.

Available data and stocking records from Southern California Edison (SCE) and the California Department of Fish and Game (CDFG) were reviewed for study streams and reservoirs. Available stocking information is provided in Appendix A of this report, which is duplicated from Appendix C of the 2003 CAWG 7 report (SCE 2003b). This information includes:

- date of stocking,
- location of the stocking within the study area,
- size classification of the fish,
- number of fish,
- hatchery information,
- review of existing fish survey data, and
- relevant historical data for study area streams and reservoirs.

2.0 STUDY OBJECTIVE

The objective of this study is to characterize fish stocking in study streams and reservoirs (from a recreational perspective)¹.

3.0 STUDY IMPLEMENTATION

3.1 STUDY ELEMENTS COMPLETED

- Characterized fish stocking in study streams and reservoirs.

¹ Parenthetical added for clarification and distinction from objectives of CAWG 7.

3.2 OUTSTANDING STUDY ELEMENTS

There are no outstanding study elements for this study.

4.0 STUDY METHODOLOGY

Review of the CAWG 7, Characterize Fish Populations (SCE 2003b) report was completed to obtain the necessary information for this report. The information obtained from the CAWG 7 report is summarized here to meet the recreationally focused objectives of this study.

5.0 STUDY RESULTS AND ANALYSES

The CAWG 7 Characterize Fish Populations (SCE 2003b) report includes an analysis of the abundance of fish within specific stream reaches throughout the study area. The CAWG 7 report does not make a general assessment, but rather provides detailed information for each reach included. This information includes descriptions of the fish communities present including: species observed, size classes of each species, the observed ages of the population, population densities and biomass.

Available data and stocking records for ALP study streams and reservoirs are summarized in Appendix A. Relevant information within Appendix A, for this study includes date of stocking, location of the stocking within the study area, size classification of the fish, number of fish, and hatchery information as reported by the CDFG. The hatcheries used for stocking practices in the study area are also included in Appendix A. Appendix A also contains a review of existing fish survey data, and other relevant historical data for study area streams and reservoirs.

Fish hatchery and stocking information for Lake Edison was included in the traditional relicensing documents for the Vermilion Valley Hydroelectric Project (FERC Project No. 2086) (SCE 2001). A summary of the past and current stocking practices for the Vermilion Valley Project is included in Appendix B. Additionally, fish hatchery and stocking information for Portal Forebay was included in the traditional relicensing documents for the Portal Hydroelectric Power Project (FERC Project No.2174) (SCE 2003a). A summary of the past and current stocking practices for the Portal Power Project is included in Appendix C.

5.1 STUDY STREAMS

There are a number of streams and reservoirs within the Big Creek Basin that are currently stocked or have been recently stocked with fish (within the last five years). Other streams, reservoirs, and impoundments within the study area have been stocked historically and information on these waters and all other study waters is presented in Appendix A. Most of the recent stocking in the study area is from the San Joaquin Hatchery, although the Big Creek Hatchery has been used recently to plant rainbow

trout in Huntington Lake, Balsam Meadow Forebay, and Shaver Lake, in consultation with the San Joaquin Hatchery.

The South Fork San Joaquin River (SFSJR), Mono Creek (downstream of Vermilion Valley Dam), Rock Creek, Big Creek (upstream of Huntington Lake) and Pitman Creek have all been recently stocked with fish. The historical and current stocking practices for streams and reservoirs in the study area are presented below.

5.1.1 SOUTH FORK SAN JOAQUIN RIVER MAINSTEM

Past Stocking Practices

The CDFG and other entities have stocked or introduced several species of fish to the SFSJR in the past. Based on CDFG fish stocking and fish sampling records, attempts have been made to introduce the following species (at a minimum) to the SFSJR drainage: brown trout (*Salmo trutta*), brook trout (*Salvelinus fontinalis*), rainbow trout/steelhead (*Oncorhynchus mykiss*), cutthroat trout (*Oncorhynchus clarki*), kokanee (*Oncorhynchus nerka*), golden shiner (*Notemigonus crysoleucas*) and golden trout (*Oncorhynchus mykiss aguabonita*). Fish stocking in the SFSJR has been extensive and has occurred over a long period of time. Extensive fish stocking records are available for the SFSJR (CDFG 1939; CDFG 1952a; CDFG 1968a; CDFG 1998; and CDFG 2002). Planting locations were not identified for all entries, therefore the exact locations of some plantings are not known. Additionally, settlers, soldiers, fishermen, and government agencies have historically been important in the introduction of fish to streams and lakes in the Sierra Nevada (State Fish and Game Commission Biennial Reports 1913-14, 1915-16, 1919-20). Available stocking information for the SFSJR is provided in Appendix A of this report in Table CAWG 7 Appendix C-1, which is duplicated from Appendix C of the CAWG 7 report.

The primary species stocked by CDFG has been rainbow trout. Eighty-two percent of the fish stocked by the CDFG into the SFSJR (1931 to present) have been rainbow trout. After 1941, the SFSJR was almost exclusively stocked with rainbow trout (brook trout was planted in 1966 and 1979, and golden trout are known to have been planted, as well). Based on available information, it appears that most of the fish have been planted between Mono Hot Springs and Florence Lake Dam and upstream of Florence Lake. Prior to 1956, all fish were planted as fingerling-sized fish. All of the fish stocked after 1956 have been documented as catchable-sized fish, except for one record of sub-catchable-sized fish in 1966. The average number of catchable-sized rainbow trout planted in the SFSJR is 10,150 fish per year. Fish stocking and historical population information for the SFSJR from available references are presented in Appendix A.

Current Stocking Practices

The SFSJR is stocked annually with catchable-sized rainbow trout. The source of these fish is the San Joaquin River Hatchery operated by CDFG.

5.1.2 TRIBUTARIES OF THE SOUTH FORK SAN JOAQUIN RIVER

Past Stocking Practices

These tributaries, from an upstream to downstream perspective, include: Tombstone Creek, South Slide Creek, North Slide Creek, Hooper Creek, Crater Creek, Crater Creek Diversion Channel, Bear Creek, Chinquapin Creek, Camp 62 Creek, Bolsillo Creek and Mono Creek. Golden trout, rainbow trout, brown trout, brook trout, and golden x rainbow trout hybrids have all been stocked or observed in SFSJR tributaries. Most of the fish were planted by the CDFG, and stocking has occurred over a long period of time. Available fish stocking and historical population information are presented in detail for each stream tributary of the SFSJR, in Appendix A.

The only tributary of the SFSJR that is currently stocked is Mono Creek between Vermilion Valley Dam and Mono Diversion Forebay which has been stocked with catchable-sized rainbow trout annually for at least the last twenty years (Table CAWG 7 Appendix C-33, Appendix A).

Current Stocking Practices

Mono Creek is stocked annually (between Vermilion Valley Dam and Mono Diversion Forebay) with catchable-sized rainbow trout. The source of these fish is the San Joaquin River Hatchery.

5.1.3 SAN JOAQUIN RIVER - MAMMOTH REACH

Past Stocking Practices

No historical fish stocking records for the Mammoth Reach of the San Joaquin River were found. However, during the fish population sampling that took place in support of the CAWG 7 report (SCE 2003b), rainbow trout, brown trout, and Sacramento suckers were found in the Mammoth Reach of the San Joaquin River.

Current Stocking Practices

The Mammoth Reach of the San Joaquin River is not currently stocked.

5.1.4 ROCK CREEK

Past Stocking Practices

Based on CDFG fish stocking and fish sampling records, attempts have been made to introduce the following species (at a minimum) to Rock Creek: rainbow trout/steelhead, brown trout and brook trout (Table CAWG 7 Appendix C-16, Appendix A). The primary species stocked by CDFG has been the rainbow trout. Rainbow trout from the CDFG Madera Hatchery were planted in the early 1950s, and rainbow trout from the CDFG San Joaquin Fish Hatchery were planted every year from 1956 to the present (CDFG 1999a; CDFG 2002). Brown trout from the Madera Hatchery were planted in 1953

(CDFG 1999a). Brook trout raised at the San Joaquin Fish Hatchery were planted in 1966 (CDFG 1999a). Prior to 1956, all fish were planted as fingerling-sized fish. Catchable-sized fish (approximately 200 mm TL) were planted in subsequent years.

Rock Creek has been stocked with catchable-sized rainbow trout annually for over twenty years (Table CAWG 7 Appendix C-16, Appendix A).

Current Stocking Practices

Rock Creek is currently stocked annually with catchable-sized rainbow trout. The source of these fish is the San Joaquin Fish Hatchery.

5.1.5 ROSS CREEK

Past Stocking Practices

Very little historical fish information was found for Ross Creek. Attempts in the past have been made to introduce "trout" in Ross Creek (Appendix A). In one such attempt, Jesse Ross, a local landowner, hired Native Americans to transport rainbow trout from the San Joaquin River to Ross Creek. Progeny of these fish were transplanted to Fish Creek several years later (Strand 2004).

Current Stocking Practices

Ross Creek is not currently stocked.

5.1.6 SAN JOAQUIN RIVER - STEVENSON REACH

Past Stocking Practices

No historical fish stocking records for Stevenson Reach were found in the available stocking records. Fish population surveys of the Stevenson Reach of the San Joaquin River conducted in 1985 and 1986, and in 2001 collected Sacramento pikeminnow (*Ptychocheilus grandis*), hardhead (*Mylopharodon conocephalus*), Sacramento sucker, rainbow trout, brown trout, and sculpin (*Cottus* spp.) (Table CAWG 7 Appendix C-18, Appendix A) (SCE 2003b; BioSystems 1987a).

Current Stocking Practices

The Stevenson Reach of the San Joaquin River is not currently stocked.

5.1.7 BIG CREEK

Past Stocking Practices

Historical fish information and stocking records were collected for Big Creek. CDFG and other entities have stocked or moved several species of fish in Big Creek. Based on fish stocking records, rainbow trout, brook trout, and brown trout have been planted in Big Creek. However, determining exactly where fish were planted along Big Creek

between Dam 1 (Huntington Lake) and Big Creek Powerhouse No. 8 (confluence with SJR) from the available historical fish stocking information was problematic. As noted in Dill (1944), "plants made in 'Big Creek, Fresno County' may have been made in three entirely different localities". Therefore, stocking information was not divided into separate reaches; it was compiled for all of Big Creek between Dam 1 and Big Creek Powerhouse No. 8. The available stocking information was incorporated into Table CAWG 7 Appendix C-19, Appendix A; (ESA 1985; Dill 1944; and CDFG 2002).

Rainbow trout, brown trout, brook trout, and riffle sculpin have all been reported to be present in Big Creek. Available stocking information for Big Creek is provided in Appendix A.

Current Stocking Practices

Big Creek (between Dam 1 to Powerhouse No. 8) is not currently stocked.

5.1.8 TRIBUTARIES OF BIG CREEK

Past Stocking Practices

Historical fish information and stocking records were collected for tributaries of Big Creek and are discussed below. These tributaries include Pitman, Balsam, and Ely creeks.

Rainbow trout, brook trout, cutthroat trout and brown trout have been stocked or observed in Big Creek tributaries. Most of the fish were planted by the CDFG, and most of the stocking records were for Pitman Creek, which is by far the largest of the tributaries to Big Creek. Stocking has occurred over a long period of time. Fish stocking and population information are discussed in detail for each study tributary of Big Creek (Appendix A).

Pitman Creek has been stocked annually with catchable-sized rainbow trout for the past fifteen years (Table CAWG 7 Appendix C-23, Appendix A).

Current Stocking Practices

Pitman Creek is the only tributary of Big Creek that is stocked annually with catchable-sized rainbow trout. The source of these fish is the San Joaquin Fish Hatchery.

5.1.9 STEVENSON CREEK

Past Stocking Practices

Rainbow trout was the main fish species historically introduced and subsequently the only fish species present in Stevenson Creek below Shaver Lake, according to numerous sources (BioSystems 1987a; BioSystems 1988; CDFG 1970a; ESA 1985 (Tables CAWG 7 Appendix C-27 and CAWG 7 Appendix C-28, Appendix A). There were five annual plantings of rainbow trout during the 1950's (CDFG 2002) (Table

CAWG 7 Appendix C-28, Appendix A). Additional records were found that indicated rainbow trout and brown trout were both stocked in 1906 (Shebley 1911) and cutthroat trout may have been stocked in 1884 (Ellis 1884-1909).

Current Stocking Practices

Stevenson Creek is not currently stocked.

5.1.10 NORTH FORK STEVENSON CREEK

Past Stocking Practices

Historical fish information was collected for North Fork Stevenson Creek, which is a tributary to Stevenson Creek. In the past, North Fork Stevenson Creek was used as a flow conveyance to move water from Huntington Lake and Pitman Creek to Shaver Lake. Fish were likely introduced to Shaver Lake from those sources with the water.

Historical fish population surveys of North Fork Stevenson Creek below the Tunnel No. 7 outlet have found rainbow trout, brown trout, brook trout, golden trout x rainbow trout hybrids, Sacramento sucker, prickly sculpin (*Cottus asper*), and riffle sculpin (BioSystems 1993; ESA 1985) (Tables CAWG 7 Appendix C-25 and CAWG 7 Appendix C-26, Appendix A).

The most recent results of fish monitoring found brown trout, rainbow trout, Sacramento sucker, and riffle sculpin to inhabit the stream. Overall, rainbow trout made up the greatest proportion of collected fish, followed by brown trout (Table CAWG 7 Appendix C-26, Appendix A).

Current Stocking Practices

North Fork Stevenson Creek is not currently stocked.

5.2 STUDY RESERVOIRS

Florence Lake, Bear Diversion Pool, Mono Diversion Pool, Mammoth Pool Reservoir, Huntington Lake, Balsam Forebay, and Shaver Lake have all been recently stocked with fish. The historical and current stocking practices for the Study reservoirs and impoundments are presented here.

5.2.1 FLORENCE LAKE

Past Stocking Practices

Based on fish stocking records (CDFG 1952b; CDFG 1998), CDFG lake/stream surveys (CDFG 1934; CDFG 1941), gill net sampling/fish data (BioSystems 1987b; CDFG 1964; CDFG 1965; CDFG 1967; CDFG 1968b; CDFG 1969; CDFG 1970b; CDFG 1971; CDFG 1973; CDFG 1975), and field correspondence (CDFG 1952c), brown trout, rainbow trout/steelhead, brook trout, kokanee, and golden shiner were all historically

introduced to Florence Lake. Fish (rainbow trout) were last stocked in Florence Lake in 1998.

Rainbow trout was the primary fish that was planted in Florence Lake (Table CAWG 7 Appendix C-29, Appendix A). Other fish that have been stocked in Florence Lake include brown trout, brook trout, kokanee and steelhead (the anadromous form of rainbow trout) (Table CAWG 7 Appendix C-29, Appendix A). Many different varieties of rainbow trout have been introduced in Florence Lake including the Whitney, Kamloops, Eagle Lake, and Coleman strains. Brown trout are the most abundant species in this lake.

Florence Lake has been stocked with fingerling rainbow trout on a nearly annual basis for the last twenty years (Table CAWG 7 Appendix C-29, Appendix A). Most of the rainbow trout recently planted in Florence Lake were Whitney x Kamloops strain, but Eagle Lake rainbows have also been recently planted.

Current Stocking Practices

Florence Lake is currently stocked on a nearly annual basis with fingerling rainbow trout. The source of these fish is the San Joaquin Fish Hatchery.

5.2.2 BEAR DIVERSION POOL

Past Stocking Practices

Bear Diversion Pool is located approximately 1.57 miles upstream of the confluence of Bear Creek with the SFSJR. Brown trout, rainbow trout, brook trout, golden trout, and golden x rainbow trout hybrids were all historically introduced and subsequently found in the Bear Diversion Pool.

The only written CDFG fish stocking record found was for 1948, when 4,050 rainbow trout were stocked in the Bear Diversion Pool (CDFG 1948) (Table CAWG 7 Appendix C-31, Appendix A). The specific variety of rainbow trout planted in Bear Diversion Pool is unknown.

Current Stocking Practices

Bear Diversion Dam Pool is not currently stocked.

5.2.3 MONO DIVERSION POOL

Past Stocking Practices

Mono Diversion Pool is located on Mono Creek approximately 5.8 miles upstream of the confluence with the SFSJR. Brown and rainbow trout were historically introduced and are subsequently present in the impoundment, and both species found in Mono Creek below Vermilion Valley Dam. Stocking records state that the Mono Diversion Pool is not

directly stocked, however, it receives fish stocked upstream of the forebay and is dominated by brown trout.

Current Stocking Practices

Mono Diversion Pool is not currently stocked, however, hatchery fish (from the San Joaquin Fish Hatchery) are planted near the upstream end of the forebay and are able to migrate downstream into the forebay.

5.2.4 MAMMOTH POOL RESERVOIR

Past Stocking Practices

Brown trout, rainbow trout, brook trout, coho salmon, Sacramento sucker, and golden shiner were all historically introduced and subsequently found in Mammoth Pool Reservoir, based on a number of historical fish records (BioSystems 1987b; CDFG 1999b; CDFG 2002).

Comprehensive historical fish stocking records exist for Mammoth Pool Reservoir since 1960 (Table CAWG 7 Appendix C-35, Appendix A). Rainbow trout was the primary fish species stocked in the reservoir. Coho salmon and brook trout have been occasionally stocked in the past. Brown trout, although not recorded as stocked in Mammoth Pool Reservoir, were found in the reservoir during the fisheries sampling that took place in support of the CAWG 7 report (SCE 2003b). Many different varieties of rainbow trout have been introduced in Mammoth Pool Reservoir including the Whitney, Kamloops, and Eagle Lake strains. Brown trout appear to be the dominant species in the lake.

Mammoth Pool Reservoir has been stocked with catchable-sized rainbow trout over the last twenty years (Table CAWG 7 Appendix C-35, Appendix A). Frequent stocking of fingerling and sub-catchable rainbow trout has also occurred over the last twenty years.

Current Stocking Practices

Mammoth Pool Reservoir is currently stocked annually with catchable rainbow trout. The source of these fish is the San Joaquin Fish Hatchery.

5.2.5 DAM 6 FOREBAY – SAN JOAQUIN RIVER

Past Stocking Practices

Dam 6 Forebay is located in the San Joaquin River at the confluence with Big Creek. Limited historical fisheries information was available for the Dam 6 Forebay. Seventeen hundred (1,700) rainbow trout from the SCE fish hatchery were released into Dam 6 Forebay in 1979 (Table CAWG 7 Appendix C-37, Appendix A). Subsequent plantings have been made for which records are not available (BioSystems 1987b).

Brown trout, rainbow trout, and Sacramento sucker are all known to be present in the forebay, and brook trout is thought to be present (Table CAWG 7 Appendix C-38,

Appendix A) (BioSystems 1987b). Brown trout, rainbow trout, and Sacramento sucker were found in the Dam 6 Forebay during the fisheries sampling that took place in support of the CAWG 7 report (SCE 2003b).

Current Stocking Practices

Dam 6 Forebay is not currently stocked.

5.2.6 HUNTINGTON LAKE

Past Stocking Practices

Brown trout, rainbow trout, brook trout, Sacramento sucker, and kokanee were all found in Huntington Lake in the past. Rainbow trout was the primary fish that was planted in Huntington Lake, and was first stocked in 1940 (Table CAWG 7 Appendix C-39, Appendix A). Brown trout, brook trout, and kokanee were also stocked in Huntington Lake (Table CAWG 7 Appendix C-39, Appendix A). The only recorded planting of brown trout occurred in 1984. Brook trout was stocked intermittently from 1950 through 1997. Additionally, various strains of kokanee salmon fingerlings were stocked from 1959 through 2002. Many different varieties of rainbow trout have been introduced in Huntington Lake including the Whitney, and Shasta strains.

Catchable-sized rainbow trout have been stocked annually in Huntington Lake over the last twenty years (Table CAWG 7 Appendix C-39, Appendix A). Fingerling kokanee, fingerling brook trout, and fingerling rainbow trout have also been recently stocked in Huntington Lake.

Current Stocking Practices

Huntington Lake is currently annually stocked with rainbow trout. Fingerling kokanee salmon are stocked in Huntington Lake on a nearly annual basis. The source of most of the rainbow trout and all of the kokanee is the San Joaquin River Hatchery. Occasionally, rainbow trout from SCE's Big Creek Hatchery are planted, as well. Additionally, Big Creek upstream of Huntington Lake is occasionally stocked with catchable-sized rainbow trout.

5.2.7 DAM 4 FOREBAY - BIG CREEK

Past Stocking Practices

Dam 4 Forebay is located near the town of Big Creek and was formed by the construction of Dam 4 on Big Creek. The tailrace of Big Creek Powerhouse No. 1, Pitman and Big Creeks flow into this forebay and fish originating in the creeks may enter it. Big Creek Powerhouse No.1 also provides water flow to this forebay. The SCE hatchery is directly above this Forebay, as well. These fish are obtained from the San Joaquin Hatchery. Occasionally, fish may escape the hatchery into the Forebay.

No records of historical fish stocking in Dam 4 Forebay were found.

Current Stocking Practices

Dam 4 Forebay is not currently stocked.

5.2.8 DAM 5 FOREBAY - BIG CREEK

Past Stocking Practices

Dam 5 Forebay was formed by the construction of Dam 5 on Big Creek and receives water from upper Big Creek and Big Creek Powerhouse Nos. 2 and 2A.

The sole source of historical fisheries information came from BioSystems (1987b). Rainbow trout were planted into the forebay in 1979 (Table CAWG 7 Appendix C-42, Appendix A) (BioSystems 1987b). No other records of historical fish stocking in the Dam 5 Forebay were discovered.

Current Stocking Practices

Dam 5 Forebay is not currently stocked.

5.2.9 BALSAM FOREBAY

Past Stocking Practices

Balsam Forebay is located on Balsam Creek, approximately 2.7 miles upstream of the confluence with Big Creek. Water moves into Balsam Meadow forebay from Huntington Lake via Tunnel No. 7, and from the Pitman Diversion, and water is also pumped back from Shaver Lake to Balsam Forebay for pump-storage operation.

Historical records indicate that fish were not actually stocked in the Balsam Forebay before the late 1990's. In 1982, fish plantings were not recommended to discourage angler use in order to protect wildlife (FERC 1982a). In 1999, following a recommendation by the CDFG, 170 pounds of rainbow trout from the SCE Hatchery in Big Creek were stocked into Balsam Forebay (CDFG 2002) (Table CAWG 7 Appendix C-44, Appendix A). No other fish has been documented as having been deliberately stocked in Balsam Forebay, although, many warm and cold water fish species have recently been collected in the forebay which may have been transferred with water movements from Pitman Creek, Huntington and Shaver lakes (SCE 2003b).

The primary source of fish population information for Balsam Forebay is from sampling conducted in the early 1990's. Species reported included: brown trout, rainbow trout, brook trout, prickly sculpin, kokanee, smallmouth bass, green sunfish, black crappie, carp, golden shiner, brown bullhead, and an unidentifiable catfish species (ENTRIX 1991a; ENTRIX 1991b; ENTRIX 1991c; ENTRIX 1991d; ENTRIX 1991e; ENTRIX 1992a; ENTRIX 1992b; ENTRIX 1992c). The most abundant fish species captured during sampling were smallmouth bass, prickly sculpin, and green sunfish (Table CAWG 7 Appendix C-45, Appendix A).

Current Stocking Practices

Balsam Forebay is not currently stocked.

5.2.10 SHAVER LAKE

Past Stocking Practices

Brown trout, rainbow trout, brook trout, Sacramento sucker, prickly sculpin, kokanee, largemouth bass, smallmouth bass, carp, bluegill, black and brown bullhead, black crappie, goldfish, threadfin shad, green sunfish have all been collected in Shaver Lake (BioSystems 1987c; CDFG 1999a; CDFG 2002; ENTRIX 1992c; ESA 1985).

Historical fish stocking records for Shaver Lake date back to 1908, before the current dam was built, and are complete from 1950 forward. Species historically stocked include brown trout, rainbow trout, brook trout, kokanee, threadfin shad, smallmouth bass, and largemouth bass (Table CAWG 7 Appendix C-46, Appendix A). A number of other species also have been introduced to the lake and persist. Rainbow trout was the primary species that was stocked, since current stocking records first recorded the stocking of this species in 1950. Many different varieties of rainbow trout have been introduced in Shaver Lake including the Eagle Lake, Coleman, and Shasta strains. Fingerling and brood stock rainbow trout, and fingerling, sub-catchable and catchable brook trout have also been stocked in Shaver Lake over the past fifteen years.

Current Stocking Practices

Shaver Lake is currently stocked on a nearly annual basis with catchable-sized rainbow trout and fingerling kokanee salmon. The source of most of these fish is the San Joaquin River hatchery, although occasionally rainbow trout from the SCE's Big Creek Hatchery are planted, as well.

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APPENDIX A
Fish Historical Data and Stocking Records

Available data and stocking records from SCE and CDFG were reviewed for study streams and reservoirs for the CAWG 7 Characterize Fish Populations Report (SCE 2003b). The information is presented in Tables CAWG 7 Appendix C-1 through CAWG 7 Appendix C-47 (in Appendix A for the purposes of this report which is duplicated from Appendix C of the CAWG 7 2003 report (SCE 2003b)).

APPENDIX C HISTORICAL INFORMATION

An extensive search of historical fish information and stocking records was conducted for all Project-affected streams and river segments. Fish stocking and population information was reported where available. In some cases, no information was found, and is indicated as such. The results of the review are presented by river basin within the Project area, including:

- Mainstem of the South Fork San Joaquin River (SFSJR) and Project-affected tributaries to the SFSJR,
- Mammoth Reach of the San Joaquin River and Project-affected tributaries,
- Stevenson Reach of the San Joaquin River,
- Big Creek and Project-affected tributaries, and
- Stevenson Creek / North Fork Stevenson Creek.

South Fork San Joaquin River BasinSouth Fork San Joaquin River Mainstem

Five segments of the mainstem South Fork San Joaquin River (SFSJR) were sampled for the ALP sampling effort. Therefore, historical fish information and stocking records were gathered for each of the five SFSJR segments. These five river segments include:

- SFSJR upstream of Florence Lake,
- Downstream of Florence Lake Dam (SFSJR RM 27.85) to Bear Creek confluence (SFSJR RM 22.3),
- Bear Creek (SFSJR RM 22.3) to Mono Creek crossing (SFSJR RM 17.93),
- Mono Creek crossing (SFSJR RM 17.93) to Rattlesnake Creek crossing (SFSJR RM 14.5), and
- Rattlesnake Creek crossing (SFSJR RM 14.5) to the confluence with San Joaquin River (SFSJR RM 0.0).

The California Department of Fish and Game (CDFG) and other entities have stocked or introduced several species of fish to the SFSJR in the past. Based on CDFG fish stocking and fish sampling records, attempts have been made to introduce the following species (at a minimum) to the SFSJR drainage: brown trout (*Salmo trutta*), brook trout (*Salvelinus fontinalis*), rainbow trout/steelhead

(*Oncorhynchus mykiss*), cutthroat trout (*Oncorhynchus clarki*) and golden trout (*Oncorhynchus mykiss aguabonita*). In the case of many of these species, numerous varieties of diverse origins were introduced to these waters.

Fish stocking in the SFSJR has been extensive and has occurred over a long period of time. Several salmonid species have been stocked including brown trout, rainbow trout, brook trout, and cutthroat trout. Extensive fish stocking records are available for the SFSJR (CDFG 1939; CDFG 1952a; CDFG 1968a; CDFG 1998; CDFG 2002). Planting locations were not identified for all entries, therefore the exact locations for some plantings are not known. Additionally, settlers, soldiers, fishermen, and government agencies have historically been important in the introduction of fish to streams and lakes in the Sierra Nevada (State Fish and Game Commission Biennial Reports 1913-14, 1915-16, 1919-20).

Available stocking information for the SFSJR is provided in Table CAWG 7-Appendix C-1.

The primary species stocked by CDFG has been the rainbow trout. Eighty-two percent of the fish stocked by the CDFG into the SFSJR (1931 to present) have been rainbow trout. After 1941, the SFSJR was almost exclusively stocked with rainbow trout (brook trout was planted in 1966 and 1979). Based on available information, it appears that most of the fish have been planted between Mono Hot Springs and Florence Lake Dam and upstream of Florence Lake. All of the fish stocked after 1956 have been documented as catchable-sized fish, except for one record of sub-catchable sized fish in 1966. The average number of catchable rainbow trout planted in the SFSJR is 10,150 fish per year. Catchable-sized fish measured approximately 200 mm TL. Prior to 1956, all fish were planted as fingerling-sized fish.

Fish stocking and population information from available references are discussed for each of the five sampled reaches of the SFSJR.

SFSJR – Upstream of Florence Lake

CDFG fish stocking records (CDFG 1939; CDFG 1952a), CDFG stream surveys (CDFG 1934a; CDFG 1945a; CDFG 1945b), and fish sampling (Bartholomew and Loudermilk 1986) indicate that brown trout, brook trout, golden trout and rainbow trout have been introduced and subsequently found upstream of Florence Lake. Rainbow trout was the primary fish planted (Table CAWG 7-Appendix C-1). Although brown trout, golden trout and rainbow trout were caught and observed, population estimates were not available for earlier sampling efforts (Table CAWG 7-Appendix C-2). The locations of earlier sampling were not indicated in the information available.

SFSJR – Bear Creek to Florence Lake

Based on fish stocking records (CDFG 1952a; CDFG 1968a; CDFG 1998), routine CDFG stream surveys (CDFG 1945a), and other fish sampling (Bartholomew and Loudermilk 1986), brown and rainbow trout were the only fish species found in the SFSJR between Bear Creek and Florence Lake. Rainbow trout was the primary species planted in the Bear Creek to Florence Lake segment of the SFSJR (Table CAWG 7-Appendix C-1). Although brown trout and rainbow trout observations have been made since 1945, population estimates were only available for rainbow trout in 1968, and rainbow and brown trout in 1985 (Table CAWG 7-Appendix C-3).

SFSJR – Mono Crossing to Bear Creek

Based on fish stocking records (CDFG 1939; CDFG 1952a; CDFG 1998), routine CDFG stream surveys (CDFG 1934a; CDFG 1945a), and other fish sampling (Strickland 1963; Bartholomew and Loudermilk 1986), brown trout and rainbow trout were the only fish species found in the Mono Crossing to Bear Creek segment of the SFSJR. Rainbow trout was the primary fish planted in the SFSJR from Mono Crossing to Bear Creek (Table CAWG 7-Appendix C-1). Although brown trout and rainbow trout observations have been made since 1945, population estimates were only available for rainbow trout in 1968, and rainbow and brown trout in 1985 (Table CAWG 7-Appendix C-4).

SFSJR – Rattlesnake Crossing to Mono Crossing

CDFG fish stocking records (CDFG 1939), CDFG stream surveys (CDFG 1945b), and fish sampling (Bartholomew and Loudermilk 1986), have indicated that brown trout and rainbow trout were historically introduced and subsequently present in the SFSJR between Rattlesnake Crossing and Mono Crossing. Brown trout was the primary species planted between Rattlesnake Crossing and Mono Crossing (Table CAWG 7-Appendix C-1). Although brown trout and rainbow trout were caught and observed, population estimates were not provided as part of the earlier surveys (Table CAWG 7-Appendix C-5).

SFSJR – Rattlesnake Crossing to San Joaquin River Confluence

Based on available fish sampling information (Bartholomew and Loudermilk 1986), brown trout and rainbow trout have historically resided (post-introduction) in the SFSJR from Rattlesnake Crossing to the San Joaquin River confluence. Although brown trout and rainbow trout were caught and observed, population estimates were not provided in earlier reports (Table CAWG 7-Appendix C-6).

Project-affected Tributaries of the South Fork San Joaquin River

Historical fish records were collected for Project-affected tributaries of the SFSJR. These tributaries, from an upstream to downstream perspective, include: Tombstone, South Slide, North Slide, Hooper, and Crater Creeks, Crater Creek Diversion Channel, and Bear, Chinquapin, Camp 62, Bolsillo and Mono Creeks. Fish stocking and population information are discussed for each Project-affected tributary of the SFSJR, including all sampled reaches of each tributary.

Tombstone Creek

After conducting an extensive search of historical fish records, only one record was found indicating any presence of fish in either reach of Tombstone Creek. Golden trout was the only species reported above the diversion (CDFG 1970a). No historical fish records were found for the reach below the diversion. Additionally, no fish stocking records were found for Tombstone Creek.

North and South Slide Creeks

No fish species were reported historically in North Slide Creek for either reach. In the past, North Slide Creek was not recognized as an important fishing stream (Dill 1945a), and fish water releases were not recommended (CDFG 1970a).

Based on a fish stocking record and field observations, rainbow trout was the only species reported, and only in the reach below the diversion in South Slide Creek.

In the past, South Slide Creek was not recognized as an important fishing stream (Dill 1945a). In 1950, however, CDFG Madera Hatchery planted 500 fingerling rainbow trout in South Slide Creek (CDFG 1950). The site of the planting was not specified in the fish stocking record. Additionally, rainbow trout were observed in 1954 below the diversion, but habitat quality was assessed as poor (CDFG 1954). A population estimate was not provided. More recently, CDFG recommended that fish water releases were not necessary for the bypass reach (CDFG 1970a). No historical records were found for the reach above the diversion.

Hooper Creek

Historical fish information was found for both reaches of Hooper Creek. For the most part, fish were stocked above the diversion in Hooper Creek. The majority of fish stocking records were from 1949, when "wild" golden trout (introduced from other drainages) were caught in the Bear Creek drainage and transplanted to locations in Hooper Creek (Table CAWG 7-Appendix C-7; CDFG 1949). Planting locations are provided where information was available (Table CAWG 7-

Appendix C-7).

Hooper Creek: Above the Diversion Reach

Based on fish stocking records (CDFG 1949; CDFG 1951a; CDFG 1951b; Dunham 1952; SCE 1963), CDFG stream surveys (CDFG 1952b), and reports by anglers (Hoss 1964), brown trout, golden trout, and rainbow trout were all historically introduced and subsequently above the Hooper Creek diversion (Table CAWG 7-Appendix C-8). Golden trout were observed in 1950, 1951, 1952, and 1964 on CDFG stream and fish surveys (CDFG 1951a; CDFG 1952b), as well as on fishing trips (Hoss 1964) in various sections of the creek and lakes. However, population estimates were not provided.

Hooper Creek: Below the Diversion Reach

Rainbow trout was reported in 1945 below the diversion, near the mouth of Hooper Creek (CDFG 1952b). However, a population estimate was not provided in the CDFG stream survey.

Crater Creek

Based on one historical record for Crater Creek, brook trout was the only fish species reported for both above and below the diversion (CDFG 1970a). No other fish presence or stocking records was found for any of the other reaches of Crater Creek.

Bear Creek

Brook trout, brown trout, golden trout, rainbow trout, and golden x rainbow trout hybrids were all historically introduced and subsequently found in Bear Creek. Bear Creek was initially planted with wild golden trout. These fish were later used to stock other tributaries of the SFSJR.

Above the Diversion Reach

Brook trout, brown trout, golden trout, rainbow trout, and golden x rainbow trout hybrids were all historically introduced and subsequently found above the Bear Creek diversion. Several fish species were stocked by CDFG or other sources.

A vast amount of information is available regarding historical fish stocking records in the Bear Creek drainage (CDFG 1934b; CDFG 1934c; Dill 1943a; CDFG 1948a; CDFG 1948b; CDFG 1951c). Wild golden trout were first planted in upper Bear Creek in 1914 (Dill 1943a). Less than 200 fish were taken from Golden Trout Creek at Little Whitney and main Whitney meadows in Tulare County and planted in Marie Lake and the headwaters of Bear Creek (Dill 1943a). From these wild fish, fish were planted in Hilgard Reach, East Fork Bear

Creek Reach, South Fork Bear Creek Reach, and the Rose and Marie Lakes Drainage in 1928 (Dill 1943a). Another transplant of wild golden trout from the Bear Creek drainage occurred in 1942 and were planted in various locations throughout the Bear Creek drainage (Table CAWG 7-Appendix C-9) (CDFG 1948b). Bear Creek was first stocked with rainbow trout in 1934 (CDFG 1934b; CDFG 1934c). Historical stocking information is summarized in Table CAWG 7-Appendix C-9.

In addition to stocking information, a number of sightings have historically been documented, primarily from CDFG in the form of stream surveys or fishing trips (CDFG 1934c; CDFG 1948a; Douglas 1950; Vestal 1958; CDFG 1959; CDFG 1960; Lewis 1962; SCE 1971; CDFG 1978). Golden trout was most often documented above the diversion in Bear Creek (Table CAWG 7-Appendix C-10).

Below the Diversion Reach

Based on the information available, Bear Creek was not stocked with fish below its diversion. Brook trout, brown trout, and rainbow trout have been reported in the literature below the Bear diversion dam (CDFG 1941a; CDFG 1941b; USFS 1979; Bartholomew and Loudermilk 1986). These fish most likely originated from stocked fish above the diversion. Bartholomew and Loudermilk (1986) was the only source that provided population estimates (Table CAWG 7-Appendix C-11).

Chinquapin Creek

Both brook trout and rainbow trout were historically introduced and subsequently found in Chinquapin Creek. Limited information was available for both reaches of Chinquapin Creek.

Above the Diversion Reach

Based on fish studies (ESA 1985), brook trout was found above the Chinquapin Creek diversion in the past. Fish stocking information was not available, although brook trout were introduced, as this fish is not native to California. The only reported occurrence of any fish was through ESA (1985). Brook trout was reported as the dominant species at the headwaters. Other fish species were probably present, but were not named nor reported. No population estimate or density was provided.

Below the Diversion Reach

Based on streamflow studies (CDFG 1970a), rainbow trout was historically introduced and subsequently found below the Chinquapin Creek diversion. Fish stocking information was not available. The only reported occurrence of any fish was through the CDFG (1970a). They observed rainbow trout (length range: 102-254 mm) in "good numbers" at the lower 0.5 miles of Chinquapin Creek.

Camp 62 Creek

After an extensive historical fish records search, no fish stocking or fish observations were discovered for any of the reaches in Camp 62 Creek.

Bolsillo Creek

Brook trout and rainbow trout were historically reported in Bolsillo Creek. Although no historical records were found for above the diversion reach, a few records were found for below the diversion reach.

Below the Diversion Reach

Based on fish stocking records (CDFG 1945c), stream surveys (CDFG 1940), and other reports (CDFG 1970a), brook trout and rainbow trout were both found below the diversion in Bolsillo Creek. Although CDFG fish stocking records were only found for rainbow trout (Table CAWG 7-Appendix C-12) (CDFG 1945c), brook trout was also apparently stocked, as indicated by its numerous presence in 1940 and 1970 (Table CAWG 7-Appendix C-13) (CDFG 1940; CDFG 1970a). Rainbow trout was reported as “numerous” in 1970 (Table CAWG 7-Appendix C-13) (CDFG 1970a). However, a population estimate was not provided in either reference for both species.

Mono Creek

Historical information on fisheries for Mono Creek downstream of the Mono Creek Diversion was reviewed for the Big Creek ALP. Based on fish studies and sampling (SCE 1968; SCE 1971; Bartholomew and Loudermilk 1986), brown trout and rainbow trout were historically reported below the Mono Creek Diversion. Stocking records indicated that rainbow trout was only stocked above the diversion in Mono Creek, which is outside the scope of this study. Although no stocking records were found for brown trout, it was likely introduced in the past. Brown trout was observed in 1968, 1971, and 1985 on fish surveys (SCE 1968; SCE 1971; Bartholomew and Loudermilk 1986), while rainbow trout was observed in 1968 and 1971 (SCE 1968; SCE 1971) (Table CAWG 7-Appendix C-14). Population estimates were generally not provided.

San Joaquin River

Historical fish information and stocking records for two segments of the San Joaquin River (SJR) and Project-affected tributaries of the SJR were collected. The Mammoth Reach of the SJR extends from Mammoth Pool Dam (SJR RM 25.55) to Mammoth Pool Powerhouse (SJR RM 18.2). Project-affected tributaries of the SJR Mammoth Reach include Rock and Ross Creeks, which are located downstream of the Mammoth Pool Reservoir. The Stevenson Reach

of the SJR extends from Dam 6 (SJR RM 17.0) to Powerhouse 3 (SJR RM 11.2) at Redinger Lake. Historical fish information for each reach and Project-affected tributary of the SJR is discussed.

Mammoth Reach of the San Joaquin River Basin

San Joaquin River Mainstem

The first known fish population surveys of the Mammoth Reach of the SJR were conducted in 1969 and collected only rainbow trout and brown trout (Table CAWG 7-Appendix C-15) (Bartholomew and Loudermilk 1986). Subsequent surveys conducted during the mid-1980s collected and observed both rainbow and brown trout, as well as a large number of Sacramento sucker (*Catostomus occidentalis*) by means of electrofishing, gill netting, and faceplate observations (Table CAWG 7-Appendix C-15) (Bartholomew and Loudermilk 1986). Abundance, density, and biomass estimates were generally available and are reported where available (Table CAWG 7-Appendix C-15).

No historical fish stocking records for the Mammoth Reach were found.

Study Stream Tributaries of the San Joaquin River Basin

Project-affected tributaries of the Mammoth Reach of the San Joaquin River include Rock (San Joaquin RM 22.56) and Ross (San Joaquin RM 18.7) Creeks.

Rock Creek

Based on CDFG fish stocking and fish sampling records, attempts have been made to introduce the following species (at a minimum) to Rock Creek: rainbow trout/steelhead, brown trout and brook trout (Table CAWG 7-Appendix C-16). The primary species stocked by CDFG has been the rainbow trout. Rainbow trout from the CDFG Madera Hatchery were planted in the early 1950s, and rainbow trout from the CDFG San Joaquin Fish Hatchery were planted every year from 1956 to the present (CDFG 1999a; CDFG 2002). Brown trout from the Madera Hatchery were planted in 1953 (CDFG 1999a). Brook trout raised at the San Joaquin Fish Hatchery were planted in 1966 (CDFG 1999a). Prior to 1956, all fish were planted as fingerling-sized fish. Catchable-sized fish (approximately 200 mm TL) were planted in subsequent years.

Fish population surveys in Rock Creek conducted in 1976 collected brown trout, while surveys in 1984 collected both rainbow trout and brown trout (Table CAWG 7-Appendix C-17) (ESA 1985). Density estimates were 105.6 fish/mile in August of 1976 and 316.8 fish/mile in the March of 1984. A notation was made regarding environmental changes from past hydro operation activities that "aquatic habitat was reduced to warm, stagnant, algae-matted plunge

pools...lacked good capability for fish production” (ESA 1985).

Ross Creek

Very little historical fish information was found for Ross Creek. “Trout” were first stocked in Ross Creek as early as 1870 (Ellis 1915).

Stevenson Reach of the San Joaquin River Basin

No historical fish stocking records for Stevenson Reach were found.

Fish population surveys of the Stevenson Reach of the San Joaquin River conducted in 1985 and 1986 collected Sacramento pikeminnow (*Ptychocheilus grandis*), hardhead (*Mylopharodon conocephalus*), Sacramento sucker, rainbow trout, brown trout, and sculpin (*Cottus* spp.) by means of electrofishing (Table CAWG 7-Appendix C-18) (BSAI 1987a). Sacramento pikeminnow and hardhead were the most abundant species in this reach of the San Joaquin River, suggesting that a native transition zone fish community dominated portions of this reach. Rainbow trout were found throughout the reach, but brown trout were rarely found (ESA 1985; SCE 2000a). Hardhead were collected upstream of Redinger Lake (SCE 2000a).

Big Creek Drainage Basin

Big Creek

Historical fish information and stocking records were collected for the mainstem of Big Creek. Big Creek extends from Big Creek Dam 1 at Huntington Lake (Big Creek RM 9.9) to Big Creek Powerhouse 8 (Big Creek RM 0.0). Historical fish information is discussed for three segments of Big Creek.

CDFG and other entities have stocked or moved several species of fish in Big Creek during the past. Based on fish stocking records, rainbow trout, brook trout, and brown trout have been planted in Big Creek. However, determining exactly where fish were planted along Big Creek between Dam 1 and Big Creek Powerhouse 8 from the available historical fish stocking information was problematic. As noted in Dill (1944), “plants made in ‘Big Creek, Fresno County’ may have been made in three entirely different localities”. Therefore, stocking information was not divided into separate reaches; it was compiled for all of Big Creek between Dam 1 and Big Creek Powerhouse 8. The available stocking information was incorporated into Table CAWG 7-Appendix C-19 (ESA 1985; Dill 1944; and CDFG 2002).

Big Creek (Dam 1 to Big Creek PH 1)

In 1944 rainbow trout, brown trout, and brook trout were all reported to be present in the reach of Big Creek between Dam 1 and Big Creek Powerhouse 1 (Dill 1944). Rainbow and brown trout have been noted subsequently, as well as a fourth species, riffle sculpin (*Cottus gulosus*) (Table CAWG 7-Appendix C-20) (SCE 2000b).

Big Creek (Dam 4 to Big Creek PH 2)

The species that have been found in the past in Big Creek between Dam 4 and Big Creek Powerhouse 2 are rainbow trout, brown trout, and an unspecified sculpin species (Table CAWG 7-Appendix C-21) (ESA 1985; SCE 2000b).

Big Creek (Dam 5 to Big Creek PH 8)

The sole fish population survey conducted on Big Creek between Dam 5 and Big Creek Powerhouse 8 found rainbow trout, brown trout, and an unspecified sculpin species (Table CAWG 7-Appendix C-22) (BSAI 1987a).

Project-affected Tributaries of Big Creek

Historical fish information and stocking records were collected for the Project-affected tributaries of Big Creek and are discussed below. Project-affected tributaries of Big Creek include Pitman (Big Creek RM 6.3), Balsam (Big Creek RM 4.8), and Ely (Big Creek RM 3.3) Creeks.

Pitman Creek

Based on CDFG fish stocking records (CDFG 1983; CDFG 2002), other fish stocking documents (Ellis 1915; Shebley 1911) and available fisheries reports (ESA 1985), rainbow trout, brook trout, cutthroat trout and brown trout have been found in Pitman Creek in the past. Stocking of rainbow trout dates back to 1956, with "trout" stocked as early as 1897 (Ellis 1915) (Table CAWG 7-Appendix C-23). Brook trout was stocked only in 1966 and 1979 (CDFG 2002). Cutthroat trout and brown trout were stocked in 1910 (Shebley 1911). Rainbow trout was reported by ESA (1985) as having a large hatchery population, which extended from the Hwy 168 crossing to downstream of the diversion dam. Information from previous studies regarding population estimates and densities were not found.

Balsam Creek

There was very little information located for Balsam Creek. There was, though,

one survey that noted that anglers had reported rainbow trout both above and below the Balsam Creek diversion, which indicates that the species had been introduced in the past (Table CAWG 7-Appendix C-24) (Dill1945b).

Ely Creek

There was no historical fish information located for Ely Creek.

North Fork Stevenson Creek

Historical fish information was collected for North Fork Stevenson Creek, which is tributary to Stevenson Creek. Natural flow in North Fork Stevenson Creek is augmented by releases made from Tunnel 7. Water is conveyed through the tunnel from Huntington Lake to Shaver Lake via North Fork Stevenson Creek.

Historically, no fish were thought to be present in North Fork Stevenson Creek above the Tunnel 7 outlet (ESA 1985). There were also no records of fish stocking into North Fork Stevenson Creek either above the Tunnel 7 outlet or below it.

Historical fish population surveys of North Fork Stevenson Creek below the Tunnel 7 outlet have found rainbow trout, brown trout, brook trout, Sacramento sucker, prickly sculpin (*Cottus asper*), and riffle sculpin (BSAI 1993; ESA 1985) (Table CAWG 7-Appendix C-25).

The most recent results previous to the sampling conducted as part of the Big Creek ALP are from a monitoring study begun in October 2000. The study was designed to monitor the fish populations of North Fork Stevenson Creek downstream of the Tunnel 7 outlet after a high flow event resulted in streamflows occurring outside the currently active creek channel (ENTRIX 2001; ENTRIX 2002). The results of these sampling efforts have found brown trout, rainbow trout, Sacramento sucker, and riffle sculpin to inhabit the stream. Overall, rainbow trout made up the greatest proportion of collected fish, followed by brown trout (Table CAWG 7-Appendix C-26).

Stevenson Creek

Historical fish information and stocking records were collected for Stevenson Creek, which is a Project-affected tributary of the SJR (SJR RM 13.6).

Rainbow trout was the only fish species historically introduced and subsequently present in Stevenson Creek below Shaver Lake, according to numerous sources (BSAI 1987a; BSAI 1988; CDFG 1970a; ESA 1985) (Table CAWG 7-Appendix C-27). Limited stocking information was available for Stevenson Creek, consisting of five annual plantings of rainbow trout during the 1950's (CDFG

2002) (Table CAWG 7-Appendix C-28). Additional records were found that indicated rainbow trout and brown trout were both stocked in 1906 (Shebley 1911) and cutthroat trout may have been stocked in 1884 (Ellis 1910).

Reservoirs

This section presents historical fish information and stocking records in Project reservoirs and medium-sized impoundments. Reservoirs and impoundments are classified based on storage capacity. Large Project reservoirs include Florence Lake, Mammoth Pool Reservoir, Huntington Lake, and Shaver Lake. Medium-sized Project impoundments include Bear Creek Diversion Dam Forebay, Mono Creek Diversion Dam Forebay, Big Creek Powerhouse 3 Forebay (Dam 6), Big Creek Powerhouse 2 Forebay (Dam 4), Big Creek Powerhouse 8 Forebay (Dam 5), and Balsam Meadow Forebay. The discussion starts with Florence Lake and proceeds to discuss impoundments from upstream to downstream.

Florence Lake

Florence Lake is impounded by Florence Dam at SFSJR RM 28. Historical stocking records and fish population information were gathered for Florence Lake. Based on fish stocking records (CDFG 1952c; CDFG 1998), CDFG lake/stream surveys (CDFG 1934d; CDFG 1941c), gill net sampling/fish data (BSAI 1987b; CDFG 1964; CDFG 1965; CDFG 1967; CDFG 1968b; CDFG 1969; CDFG 1970b; CDFG 1971; CDFG 1973; CDFG 1975), and field correspondence (CDFG 1952d), brown trout, rainbow trout/steelhead, brook trout, kokanee, and golden shiner were all historically introduced to Florence Lake. Fish (rainbow trout) were last stocked in Florence Lake in 1998.

Rainbow trout was the primary fish that was planted in Florence Lake (Table CAWG 7-Appendix C-29). Several strains of rainbow trout were planted, including the Coleman, Whitney, and Whitney x Kamloops strains (Table CAWG 7-Appendix C-29). Additionally, rainbow trout from Eagle Lake (both hatchery and wild) were planted in 1985 and 1989 (CDFG 1998). The Whitney x Kamloops strain has been most recently planted (Table CAWG 7-Appendix C-29).

Other fish that have been stocked in Florence Lake include brown trout, brook trout, kokanee and steelhead (the anadromous form of rainbow trout) (Table CAWG 7-Appendix C-29). Records for brown trout indicate that the species was stocked from 1933 through 1969. Apparently, brook trout was only stocked in 1980. Kokanee was stocked in 1959 and steelhead was planted in 1931.

Although brown trout, brook trout, rainbow trout, and golden shiner were caught and observed, population estimates were not provided (Table CAWG 7-Appendix C-30). Gill netting was the primary method used to catch fish in the past, as

indicated by numerous memorandums from the CDFG (CDFG 1964; CDFG 1965; CDFG 1967; CDFG 1968b; CDFG 1969; CDFG 1970b; CDFG 1971; CDFG 1973; CDFG 1975). Rainbow trout was observed in Florence Lake as early as 1934, although it was not as numerous as brown trout, which was the dominant species present in 1937 (CDFG 1934d; CDFG 1937a).

Bear Creek Diversion Dam Forebay

Bear Creek Diversion creates a medium-sized Project impoundment located approximately 1.57 miles upstream of the confluence of Bear Creek with the SFSJR. Brown trout, rainbow trout, brook trout, golden trout, and golden x rainbow trout hybrids were all historically introduced and subsequently found in the Bear Creek Diversion Dam Forebay. These fish species were documented through stream and lake surveys (CDFG 1934c; CDFG 1948a), fish studies (SCE 1971) and stocking records (CDFG 1948b).

The only fish stocking record found was in 1948, when 4,050 rainbow trout were stocked in the Bear Creek Diversion Dam Forebay (CDFG 1948b) (Table CAWG 7-Appendix C-31).

The presence of several fish species within the Bear Creek Diversion Dam Forebay was reported in 1934 and 1971 (Table CAWG 7-Appendix C-32). Brook trout and brown trout were documented as “doing real well” at the Bear Creek Diversion Dam in 1934 (CDFG 1934c). Golden x rainbow trout hybrids were present in sizeable numbers in the forebay during 1971 (SCE 1971). Additionally, an excellent population of brown trout existed in the lower reaches of the forebay in 1971 (SCE 1971). Rainbow trout were present in “good numbers” in the middle area of the forebay in 1971 (SCE 1971). Golden trout were documented in the upper reaches of the forebay in 1971 (SCE 1971).

Mono Creek Diversion Dam Forebay

Mono Creek Diversion is located on Mono Creek approximately 5.8 miles upstream of the confluence with the SFSJR. Brown and rainbow trout were historically introduced and subsequently present in the impoundment, and both species were found upstream in Mono Creek below Vermilion Valley Dam.

Very few historical records were found for the Mono Creek Diversion Dam Forebay. In fact, only one record was found that reported the presence of any fish species within the forebay. However, comprehensive stocking records were available since 1950 for the area between Vermilion Valley Dam and the Mono Creek Diversion Dam (Table CAWG 7-Appendix C-33). Rainbow, brown, and brook trout, as well as several strains of rainbow trout hybrids, have historically been stocked in Lake Edison by CDFG. Rainbow trout and brook trout also have been stocked in Mono Creek downstream of Vermilion Valley Dam. Rainbow

trout have been regularly stocked in Mono Creek above the diversion dam for many years. Catchable-sized rainbow trout is the only species currently stocked in Mono Creek upstream of the diversion.

Based on a fish study (SCE 1971), brown trout and rainbow trout were found in the Mono Creek Diversion Dam Forebay (Table CAWG 7-Appendix C-34). Both species were commonly found in the forebay, as of 1971 (SCE 1971). No biological information was taken from these species, nor were population estimates provided.

Mammoth Pool Reservoir

Mammoth Pool Dam, located on the SJR (SJR RM 26), impounds water in Mammoth Pool Reservoir. Brown trout, rainbow trout, brook trout, coho salmon, Sacramento sucker, and golden shiner were all historically introduced and subsequently found in Mammoth Pool Reservoir, based on a number of historical fish records (BSAI 1987b; CDFG 1999b; CDFG 2002).

Comprehensive historical fish stocking records exist for Mammoth Pool Reservoir since 1960 (Table CAWG 7-Appendix C-35). Rainbow trout was the primary fish species that was stocked. Various strains of rainbow trout were stocked, including the Coleman, Kamloops, Whitney, Shasta, Hot Creek x Virginia, and Whitney x Kamloops strains. Additionally, rainbow trout from Eagle Lake have also been stocked. Coho salmon and brook trout have been occasionally stocked in the past. Rainbow trout is the only species currently stocked in Mammoth Pool Reservoir.

The majority of historical fish population information for Mammoth Pool Reservoir comes from several creel censuses and gill netting surveys conducted in the 1970s (Table CAWG 7-Appendix C-36). Rainbow trout, brown trout, brook trout, coho salmon, golden shiner, and Sacramento sucker were all collected in those surveys (BSAI 1987b). The presence of coho salmon has not been documented since 1977, the last year they were stocked. More recent sampling reported the presence of rainbow trout, brown trout, brook trout, golden shiner, and Sacramento sucker (SCE 2000b). Golden shiner presence was documented as recently as 1998 and may represent escaped baitfish.

Other available data concerning fish populations in Mammoth Pool Reservoir are from the 1940's and pre-dates the construction of Mammoth Pool Dam, which was completed in 1960 (Table CAWG 7-Appendix C-36). Rainbow trout and brown trout were both collected before the construction of Mammoth Pool Dam (CDFG 1943; CDFG 1946a; CDFG 1946b; Fresno Bee 1945).

San Joaquin River Big Creek Powerhouse 3 Forebay (Dam 6)

The Big Creek Powerhouse 3 forebay (Dam 6 Forebay) is located behind Dam 6

at San Joaquin RM 17.0 (upstream of the confluence with Big Creek). This medium-sized Project impoundment is approximately one mile long and less than 91 meters wide.

Limited historical fisheries information was available for the Dam 6 Forebay. Seventeen hundred (1700) rainbow trout from the SCE fish hatchery were released into Dam 6 Forebay in 1979 (Table CAWG 7-Appendix C-37). Subsequent plantings have been made for which records are not available (BSAI 1987b).

No historical fish population surveys were found for the Dam 6 Forebay. However, brown trout, rainbow trout, and Sacramento sucker are all known to be present in the forebay, and brook trout is thought to be present (Table CAWG 7-Appendix C-38) (BSAI 1987b). Sacramento suckers spawn above the forebay in the SJR (Table CAWG 7-Appendix C-38).

Huntington Lake

Dam 1 on Big Creek impounds Huntington Lake at Big Creek RM 9.9. Brown trout, rainbow trout, brook trout, Sacramento sucker, and kokanee were all found in Huntington Lake in the past.

Rainbow trout was the primary fish that was planted in Huntington Lake, and was first stocked in 1940 (Table CAWG 7-Appendix C-39). Various strains of rainbow trout were stocked, including Shasta and Whitney strains.

Brown trout, brook trout, and kokanee were also stocked in Huntington Lake (Table CAWG 7-Appendix C-39). The only recorded planting of brown trout occurred in 1984. Brook trout was stocked intermittently from 1950 through 1997. Additionally, various strains of kokanee salmon were stocked from 1959 through 2002. Rainbow trout and kokanee are the only species that are currently stocked in Huntington Lake.

Although brown trout, brook trout, rainbow trout, Sacramento sucker and kokanee were caught and observed, population estimates were not provided (Table CAWG 7-Appendix C-40). The majority of historical information came from gill net surveys and creel census data or angler records (CDFG 1937b; Dill 1943b; Fresno Bee 1949; CDFG 1957-1978; CDFG 1957-1982; CDFG 1964-1978; CDFG 1969 & 1974). Brown trout, rainbow trout, and brook trout were first observed and reported in 1934 from a lake survey (CDFG 1934e). Rainbow trout was the most abundant species observed (average of 267 fish per observation), followed by brook trout (average of 54 fish per observation) and Sacramento sucker (average of 40 fish per observation) (Table CAWG 7-Appendix C-40). Kokanee was not reported until 1964, when a "large number" of kokanee were captured in a gill net sample (CDFG 1964-1978).

Big Creek Powerhouse 2 Forebay (Dam 4)

Dam 4, located at Big Creek RM 6.0, creates a medium-size pool (60 acre-feet) in Big Creek, which is the Powerhouse 2 Forebay.

Only one “historical” document was found for the Powerhouse 2 Forebay, and is in fact a fairly recent document, from 1987. Powerhouse 2 Forebay is home to large rainbow trout that occasionally escape from the nearby SCE fish hatchery (Table CAWG 7-Appendix C-41) (BSAI 1987b). Brown trout and brook trout may also be present, but have not been collected in the forebay (Table CAWG 7-Appendix C-41).

No records of historical fish stocking in Powerhouse 2 Forebay were found.

Big Creek Powerhouse 8 (Dam 5)

Big Creek Powerhouse 8 Forebay is impounded by Dam 5 at Big Creek RM 1.65. It is a medium-sized Project impoundment.

The sole source of historical fisheries information came from BSAI (1987b). In 1979, rainbow trout (1,600) were planted into the forebay (Table CAWG 7-Appendix C-42) (BSAI 1987b). No other records of historical fish stocking in the Powerhouse 8 Forebay were discovered.

No historical fish population surveys were found for the forebay. However, brown trout and brook trout likely inhabited the forebay (Table CAWG 7-Appendix C-43) (BSAI 1987b).

Balsam Meadow Forebay

Balsam Meadow Forebay is located on Balsam Creek, approximately 2.7 miles upstream of the confluence with Big Creek. Water moves from Huntington Lake to Balsam Meadow Forebay, and water also is pumped from Shaver Lake to Balsam Meadow Forebay for pump-storage operation. Fish may be moved between the Balsam Meadow Forebay and Shaver Lake in either direction by operation of the Eastwood Powerhouse and pumpback.

Historical records indicate that fish were not actually stocked in the Balsam Meadow Forebay before the late 1990's. In 1982, fish plantings were not recommended to discourage angler use in order to protect wildlife (FERC 1982a). In 1999, 170 pounds of rainbow trout from the SCE Hatchery in Big Creek were stocked into Balsam Meadow Forebay (CDFG 2002) (Table CAWG 7-Appendix C-44). No additional historical fish stocking information was available.

The primary source of fish population information for Balsam Meadow Forebay is

from entrainment sampling of the pumpback from Shaver Lake conducted in the early 1990's. Entrainment sampling in Balsam Meadow Forebay reported brown trout, rainbow trout, brook trout, prickly sculpin, kokanee, smallmouth bass, green sunfish, black crappie, carp, golden shiner, brown bullhead, and an unidentifiable catfish species (ENTRIX 1991a; ENTRIX 1991b; ENTRIX 1991c; ENTRIX 1991d; ENTRIX 1991e; ENTRIX 1992a; ENTRIX 1992b; ENTRIX 1992c). Most of these species were entrained from Shaver Lake and did not originally occur in the forebay.

The dominant fish captured during the entrainment sampling appeared to be smallmouth bass, prickly sculpin, and green sunfish (Table CAWG 7-Appendix C-45). Entrainment sampling data was the only information found for any indication of historical fish presence.

Shaver Lake

Shaver Lake is impounded by Shaver Lake Dam on Stevenson Creek at RM 4.25. Brown trout, rainbow trout, brook trout, Sacramento sucker, prickly sculpin, kokanee, largemouth bass, smallmouth bass, carp, bluegill, black and brown bullhead, black crappie, goldfish, threadfin shad, green sunfish have all been collected in Shaver Lake (BSAI 1987c; CDFG 1999a; CDFG 2002; ENTRIX 1992c; ESA 1985).

Historical fish stocking records for Shaver Lake date back to 1908, before the dam was built, and are complete from 1950 forward. Species historically stocked include brown trout, rainbow trout, brook trout, kokanee, threadfin shad, smallmouth bass, and largemouth bass (Table CAWG 7-Appendix C-46). Rainbow trout was the primary species that was stocked, since stocking first began for this species in 1950. The Coleman x Shasta strain of rainbow trout was stocked once in 1970. In addition, rainbow trout from Eagle Lake were once planted in Shaver Lake. Brown trout was planted from 1908 through 1911, then again in 1975 and 1983. Brook trout was stocked from 1970 through 1996, while kokanee was stocked from 1982 through 2002. The Taylor strain of kokanee was stocked once in 1995. Threadfin shad and smallmouth bass were only stocked once, in 1963 and 1912, respectively.

Historical sampling methods utilized for Shaver Lake included electrofishing, gill netting, visual surveying, and creel census of anglers. Relatively few historical records were found for each species present in Shaver Lake (Table CAWG 7-Appendix C-47). No population estimates were provided, nor were biological measurements generally taken. In 1969, rainbow trout was the most abundant species captured (Table CAWG 7-Appendix C-47). However, in 1976, Sacramento sucker was the most abundant species captured (Table CAWG 7-Appendix C-47). Various records were found for 1986, when a creel survey was conducted (Table CAWG 7-Appendix C-47). However, creel survey data are not necessarily representative of the fish assemblage in Shaver Lake, as some fish

species are more difficult to catch than others (BSAI 1987c).

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Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	2002	C ¹		5560	San Joaquin River		CDFG.2002
Rainbow Trout	Fresno	2001	C ¹	2900	5695	San Joaquin River		CDFG.2002
Rainbow Trout	Fresno	2000	C ¹	2900	5810	San Joaquin River		CDFG.2002
Rainbow Trout	Fresno	1999	C ¹		4,300	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1998	C ¹		2,625	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1997	C ¹		4,376	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1996	C ¹		4,525	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1995	C ¹		1,030	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1994	C ¹		7,015	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1993	C ¹		4,430	San Joaquin River		CDFG.1998

**Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches)
(Continued).**

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1992	C ¹		8,635	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1991	C ¹		10,135	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1990	C ¹		18,935	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1989	C ¹		18,250	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1988	C ¹		16,250	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1987	C ¹		17,010	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1986	C ¹		9,772	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1985	C ¹		12,855	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1984	C ¹		12,225	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1983	C ¹		12,020	San Joaquin River		CDFG.1998

**Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches)
(Continued).**

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1982	C ¹		11,520	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1981	C ¹		11,350	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1980	C ¹		12,450	San Joaquin River		CDFG.1998
Brook Trout	Fresno	1979	C ¹		510	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1979	C ¹		11,693	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1978	C ¹		11,600	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1977	C ¹		12,055	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1976	C ¹		14,545	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1975	C ¹		16,395	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1974	C ¹		22,733	San Joaquin River		CDFG.1998

**Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches)
(Continued).**

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1973	C ¹		17,800	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1972	C ¹		24,525	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1971	C ¹		17,622	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1971	C ¹		1,600	Big Creek		CDFG.1998
Rainbow Trout	Fresno	1970	C ¹		13,188	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1969	C ¹		5,562	San Joaquin River	Dorsal	CDFG.1998
Rainbow Trout	Fresno	1968	C ¹		13,208	San Joaquin River	Tags	CDFG.1998
Rainbow Trout	Fresno	1968	5 per lb.	200	999	San Joaquin River	Planted in Jackass Mdw.	CDFG.-Fish Planting Receipt
Rainbow Trout	Fresno	1967	C ¹		6,758	San Joaquin River	Ad & Lv	CDFG.1998
Rainbow Trout	Fresno	1966	S		200	Big Creek		CDFG.1998

**Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches)
(Continued).**

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
RT&BK	Fresno	1966	C ¹		14,113	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1965	C ¹		11,434	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1964	C ¹		11,187	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1963	C ¹		9,809	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1963	C ¹		1,000	Big Creek		CDFG.1998
Rainbow Trout	Fresno	1962	C ¹		12,545	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1962	C ¹		1,600	Big Creek		CDFG.1998
Rainbow Trout	Fresno	1961	C ¹		14,960	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1960	C ¹		4,000	Fern Creek		CDFG.1998
Rainbow Trout	Fresno	1960	C ¹		12,460	San Joaquin River		CDFG.1998

**Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches)
(Continued).**

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1959	C ¹		9,720	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1958	C ¹		8,543	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1957	C ¹		9,660	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1956	C ¹		4,499	San Joaquin River		CDFG.1998
Rainbow Trout	Fresno	1954	F ²		10,175	Kings River		CDFG.1998
Rainbow Trout	Fresno	1953	F ²		9,800	Kings River		CDFG.1998
Rainbow Trout	Fresno	1952	F ²		10,080	Kings River	Planted 3,240 at Mono Hot Spr & 6,840 at Jackass Mdw.	CDFG.1998 CDFG.1952
Rainbow Trout	Fresno	1952	F ²		15,050	Kings River	Planted 2.5 mi. below FL to 1.5 mi. above Dude Ranch	CDFG.1952
Rainbow Trout	Fresno	1951	F ²		35,120	Kings River	Planted at Jackass Mdw. And Mono Hot Spr.6/14-15/51	CDFG.1998 CDFG.1952
Rainbow Trout	Fresno	1950	F ²	30.6	10,800	Huntington Lake	Planted at Jackass Mdw.; total wt.= 490 oz.; 7/17/1950	CDFG.1998 CDFG.1952

Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches) (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1950	F ²		14,295	Kings River	Planted at Mono Hot Spr.; 6/21-7/20/50	CDFG.1998
Rainbow Trout	Fresno	1950	15 per oz.	61	14,700	Huntington Lake	Planted below Dude Ranch; 8/18-19/50; total wt.= 980 oz.	CDFG.1952
Rainbow Trout	Fresno-Madera	1949	20 per oz.	7.8	25,000	Kings River	Planted 20,000 at Jackass Mdw. & 5,000 at gauging sta. Near Hooper Cr.; total wt.= 125 oz.; 6/4/49	CDFG.1952
Rainbow Trout	Fresno-Madera	1949	20.5 per oz.	30.6	10,045	Kings River	Planted at Mono Hot Spr.; total wt.= 490 oz.; 6/6/49	CDFG.1952
Rainbow Trout	Fresno-Madera	1948	18-22 per oz.	115	34,950	Kings River	Planted at Mono Hot Spr. & Jackass Mdw.; total wt. = 1845 oz.; 6/9-11/48	CDFG.1952
Rainbow Trout	Fresno	1947	9.5-8 per oz.	92	12,885	Huntington Lake	Planted Blaney Mdw. & 3 mi. above FL; 7/30/47 & 8/12/47; total wt.= 1,470 oz.	CDFG.1952
Rainbow Trout	Fresno-Madera	1947	38 per oz.	26	15,960	Kings River	Planted at gauging sta. below Hooper Cr.; total wt. = 420 oz.; 5/13/47	CDFG.1952
Rainbow Trout	Fresno-Madera	1947	38 per oz.	33	19,950	Kings River	Planted at Mono Hot Spr.; total wt. = 525 oz.; 5/13/47	CDFG.1952
Rainbow Trout	Fresno-Madera	1946	32-33 per oz.	68	25,120	Kings River	Planted at Mono Hot Spr.; total wt. = 1,080 oz.; 5/30/46 & 6/5/46	CDFG.1952
Rainbow Trout	Fresno-Madera	1946	8 per oz.	33	4,160	Huntington Lake	Planted at Jackass Mdw.; total wt. = 520 oz.; 8/8/46	CDFG.1952

**Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches)
(Continued).**

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1945	11 per oz.	50	8,800	Huntington Lake	Planted Blaney Mdw. & 2 mi. above FL; 7/26/45; total wt.= 800 oz.	CDFG.1952
Rainbow Trout	Fresno-Madera	1945	19-18 per oz.	126	37,280	Kings River	Planted at Mono Hot Spr.; total wt. = 2,010 oz.; 6/21-22/45	CDFG.1952
Rainbow Trout	Fresno-Madera	1944	24 & 25 per oz.	83	32,520	Kings River	Planted at Mono Hot Spr.; total wt. = 1,320 oz.; 6/5, 7, 10/44	CDFG.1952
Rainbow Trout	Fresno-Madera	1943	22 per oz.	60	21,120	Kings River	Planted at Mono Hot Spr.; total wt. = 960 oz.; 6/17/43	CDFG.1952
Rainbow Trout	Fresno	1942	21.5 & 22 per oz.	61	21,315	Huntington Lake	Planted Blaney Mdw. & 2 mi. above; 7/22-23/42; total wt.= 980 oz.	CDFG.1952
Rainbow Trout	Fresno-Madera	1942	27 per oz.	13	5,400	Kings River	Planted at Jackass Mdw.; total wt. = 200 oz.; 6/27/42	CDFG.1952
Rainbow Trout	Fresno-Madera	1942	27 per oz.	30	12,960	Kings River	Planted at Mono Hot Spr.; total wt. = 480 oz.; 6/29/42	CDFG.1952
Rainbow Trout	Fresno-Madera	1942	17 per oz.	28	7,465	Huntington Lake	Planted at Mono Hot Spr.; total wt. = 445 oz.; 8/13/42	CDFG.1952
Brown Trout	Fresno-Madera	1941	21 per oz.	26	8,820	Kings River	Planted at Jackass Mdw.; total wt. = 420 oz.; 6/25/41	CDFG.1952
Brown Trout	Fresno-Madera	1941	21 per oz.	47	15,750	Kings River	Planted at Mono Hot Spr.; total wt. = 750 oz.; 6/26/41	CDFG.1952

Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches) (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1941	18 per oz.	39	11,340	Huntington Lake	Planted 1 mi. above falls at Blaney Mdws.; 8/21/41; total wt.= 630 oz.	CDFG.1952
Rainbow Trout	Fresno-Madera	1941	15.5 per oz.	30	7,440	Huntington Lake	Planted at Jackass Mdw.; total wt. = 480 oz.; 8/29/41	CDFG.1952
Rainbow Trout	Fresno-Madera	1941	17.5 & 15.5 per oz.	69	18,465	Huntington Lake	Planted at Mono Hot Spr. & Mono Xing; total wt. = 1,110 oz.; 8/23&29/41	CDFG.1952
Brown Trout	Fresno-Madera	1940	29 per oz.	44	20,300	Kings River	Planted at Mono Hot Springs, 5/23/40; total wt. = 700 oz.	CDFG.1952
Rainbow Trout	Fresno	1940	28 per oz.	38	16,800	Huntington Lake	Planted 2 mi. above Blaney Mdws.; 7/14/40; total wt.= 600 oz.	CDFG.1952
Rainbow Trout	Fresno-Madera	1940	20 per oz.	83	26,600	Huntington Lake	Planted at Mono Xing; total wt. = 1,330 oz.	CDFG.1952
Brown Trout	Fresno	1939	53 per oz.		40,068	Kings River	Planted at Mono Hot Springs, 5/30/39	CDFG.1939
Rainbow Trout	Fresno	1939	80 per oz.		40,000	Huntington Lake	08/17/1939	CDFG.1939
Brook Trout	Fresno	1937	14 per oz.		11,200	Huntington Lake	8/2/37 - planted above Florence (Pack).	CDFG.1939
Brown Trout	Fresno	1937	47 per oz.		50,000	Fern Creek	Planted b/n Mono Cr. And Florence Lake, 7/23/37.	CDFG.1939

Table CAWG 7-Appendix C-1. Historical Fish Stocking Information for South Fork San Joaquin River (All Reaches) (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Brook Trout	Fresno	1936	18 per oz.		16,416	Huntington Lake	8/3/36 - planted above Florence Lake	CDFG.1939
Brown Trout	Fresno	1936	46 per oz.		19,320	Huntington Lake	Planted b/n Mono Cr. And Florence Lake, 7/13/36.	CDFG.1939
Brown Trout	Fresno	1936	46 per oz.		6,210	Huntington Lake	Planted b/n Mono Cr. And Florence Lake, 7/15/36.	CDFG.1939
Cutthroat Trout	Fresno	1936	55 per oz.		20,000	Fern Creek	8/12/36 - planted in SF San Joaquin River, Madera Co.	CDFG.1939
Brook Trout	Fresno	1935			7,864	Huntington Lake	06/22/1935	CDFG.1939
Brook Trout	Fresno	1935	19.6 per oz.		9,408	Huntington Lake	07/11/1935	CDFG.1939
Rainbow Trout	Fresno	1934	75 per oz.		600	Huntington Lake	07/31/1934	CDFG.1939
Rainbow Trout	Fresno	1934	29 per oz.		14,268	Huntington Lake	07/31/1934	CDFG.1939
Rainbow Trout	Fresno	1931			7,400	Madera Hatchery	7/23/1931 - planted in SF San Joaquin River, Madera Co.	CDFG.1939

¹ Catchable

² Fingerling

Table CAWG 7-Appendix C-2. Historical Fisheries Information for Upstream of Florence Lake.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	1934	Present						From Blaney Meadows to Florence Lake.	CDFG.1934a
Brown Trout	08/27/1945	Present						Predominant fish spp. 1 mi. above Florence Lake.	CDFG.1945a
Brown Trout	08/27/1945	Present				11	152-279	Caught from Florence Lake upstream about 2 mi.; fished for 5.5 hours.	CDFG.1945b
Brown Trout	09/25/1968	Present				21	155-357	See detail	Bartholomew and Loudermilk.1986
Golden Trout	08/29/1945	Present						Abundant and predominant just below Piute Creek (elevation 7900 ft. at mouth of Piute Creek).	CDFG.1945a
Golden Trout	08/29/1945	Present				13	178	Caught just below mouth of Piute Creek; avg. length given; fished for 1/3 hours.	CDFG.1945b
Rainbow Trout	1934	Present						From Blaney Meadows to Florence Lake.	CDFG.1934a
Rainbow Trout	08/27/1945	Present				1	229	Caught from Florence Lake upstream about 2 mi.; fished for 5.5 hours.	CDFG.1945b
Rainbow Trout	8/27-29/45	Present						Present at 1 mi. above Florence Lake, Blaney Meadows and just below Piute Creek.	CDFG.1945a

Table CAWG 7-Appendix-C-3. Historical Fisheries Information from Florence Lake to Bear Creek.

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Length (mm)	Comments	References		
				kg/ha	lb/ac					Fish/km	Fish/Mile
Brown Trout	7/29/85	101 (+8)	3.64	31.4	28	1227	1975	95	50-324	Sampled immediately DS from Hooper gauging station, T7S R28E S19 sw1/4.	Bartholomew & Loudermilk. 1986
Rainbow Trout	7/29/85	113 (+8)	1.7	14.6	13	1373	2210	107	75-174	Sampled immediately DS from Hooper gauging station, T7S R28E S19 sw1/4.	Bartholomew & Loudermilk. 1986
Brown Trout	9/17/68							11	86-271	Below Hooper Gauge	Bartholomew & Loudermilk. 1986
Brown Trout	9/17/68							27	82-248	Poison Meadow	Bartholomew & Loudermilk. 1986
Rainbow Trout	9/17/68			35.93	32.15	1455	2341	12	74-193	Below Hooper Gauge	Bartholomew & Loudermilk. 1986
Rainbow Trout	9/17/68			87.41	78.21	2088.8	3360.9	23	118-190	Poison Meadow	Bartholomew & Loudermilk. 1986
Brown Trout	8/31/45							14	152-241	Caught from Poison Mdw. to Hooper Cr., fished for 3.5 hours.	CDFG. 1945a
Rainbow Trout	8/31/45							12	152-203	Caught from Poison Mdw. to Hooper Cr., fished for 3.5 hours.	CDFG. 1945a

Table CAWG 7-Appendix-C-3. Historical Fisheries Information from Florence Lake to Bear Creek (Continued).

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	8/30/45					4	203-279	Caught at Jackass Mdw., fished 1.5 hours.	CDFG. 1945a
Rainbow Trout	8/30/45					1	229	Caught at Jackass Mdw., fished 1.5 hours.	CDFG. 1945a

*Based on total amount of fish (not each age class)

Table CAWG 7-Appendix C-4. Historical Fisheries Information from Bear Creek to Mono Crossing.

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Length (mm)	Comments	References		
				kg/ha	lb/ac					Fish/km	Fish/Mile
Brown Trout	07/31/1985	90 (+4)	3.15	34.1	30.4	1176	1893	88	50-274	Approx. 250 yds upstream from bridge crossing, S of Mono Hot Spring turnout	Bartholomew & Loudermilk. 1986
Rainbow Trout	07/31/1985	40 (+3)	1.6	17.4	15.5	523	841	39	75-249	Approx. 250 yds US from bridge crossing, S of Mono Hot Springs turnout	Bartholomew & Loudermilk. 1986
Brown Trout	07/30/1985	147 (+7)	3.68	33.2	29.6	1608	2587	141	50-274	Near Mono Spring campground; T7S R27E S10 se1/4 of se1/4	Bartholomew & Loudermilk. 1986
Rainbow Trout	07/30/1985	44 (+5)	2.55	23.1	20.6	481	774	42	75-274	Near Mono Spring campground; T7S R27E S10 se1/4 of se1/4	Bartholomew & Loudermilk. 1986
Brown Trout	09/27/1968							6	135-219	1.5 mi. below Mono Hot Spring	Bartholomew & Loudermilk. 1986
Rainbow Trout	09/27/1968							3	115-188	1.5 mi. below Mono Hot Spring	Bartholomew & Loudermilk. 1986
Brown Trout	09/18/1968							25	123-206	Mono Hot Spring	Bartholomew & Loudermilk. 1986
Rainbow Trout	09/18/1968			26.49	23.7	863.95	1390.1	6	123-194	Mono Hot Spring	Bartholomew & Loudermilk. 1986

Table CAWG 7-Appendix C- 4. Historical Fisheries Information from Bear Creek to Mono Crossing (Continued).

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	09/17/1968					8	130-233	Below Bear Creek	Bartholomew & Loudermilk. 1986
Rainbow Trout	09/17/1968					4	130-182	Below Bear Creek	Bartholomew & Loudermilk. 1986
Rainbow Trout	09/12/63							Catchables observed	CDFG. 1934a
Rainbow Trout	1963					2	203	Two female spawners caught	Strickland. 1963
Brown Trout	09/01/1945							Present at Mono Hot Spring	CDFG. 1945a
Rainbow Trout	09/01/1945							Present at Mono Hot Spring	CDFG. 1945a

*Based on total amount of fish (not each age class)

Table CAWG 7-Appendix C-5. Historical Fisheries Information for South Fork San Joaquin River Mono Crossing to Rattlesnake Crossing.

Species	Date	Density				Number collected	Length (mm)	Comments	References
		kg/ha	lb/ac	Fish/km	Fish/Mile				
Brown Trout	09/24/1968					4	91-111	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Brown Trout	09/24/1968					2	138-150	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Brown Trout	09/24/1968					5	140-209	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Brown Trout	09/24/1968					1	240	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Brown Trout	09/24/1968					1	458	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Rainbow Trout	09/24/1968	59.51	53.25	918.63	1478.08	8	124-149	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Rainbow Trout	09/24/1968	59.51	53.25	918.63	1478.08	11	149-199	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Rainbow Trout	09/24/1968	59.51	53.25	918.63	1478.08	1	182	Below confluence of Mono Creek	Bartholomew & Loudermilk.1986
Brown Trout	9/21/1945					5	152-279	Caught between Mono Xing and mouth of Mono Cr.; fished for 2 hrs.	CDFG. 1945b
Rainbow Trout	9/21/1945					8	127-229	Caught between Mono Xing and mouth of Mono Cr.; fished for 2 hrs.	CDFG. 1945b

Table CAWG 7-Appendix C-6. Historical Fisheries Information of the South Fork San Joaquin River San Joaquin River Confluence to Rattlesnake Crossing.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	Comments	References	
				kg/ha	lb/ac					Fish/km
Brown Trout	09/25/1968	Present				5	92-117	Hoffman gage	Bartholomew & Loudermilk.1986	
Brown Trout	09/25/1968	Present				5	170-220	Hoffman gage	Bartholomew & Loudermilk.1986	
Brown Trout	09/25/1968	Present				4	222-250	Hoffman gage	Bartholomew & Loudermilk.1986	
Brown Trout	09/25/1968	Present				2	273-178	Hoffman gage	Bartholomew & Loudermilk.1986	
Rainbow Trout	09/25/1968	Present	44.11	39.47	1651.35	2657	2	77-80	Hoffman gage	Bartholomew & Loudermilk.1986
Rainbow Trout	09/25/1968	Present	44.11	39.47	1651.35	2657	3	130-135	Hoffman gage	Bartholomew & Loudermilk.1986
Rainbow Trout	09/25/1968	Present	44.11	39.47	1651.35	2657	5	160-184	Hoffman gage	Bartholomew & Loudermilk.1986
Rainbow Trout	09/25/1968	Present	44.11	39.47	1651.35	2657	3	211-232	Hoffman gage	Bartholomew & Loudermilk.1986

Table-CAWG 7-Appendix C-7. Historical Fish Stocking for Hooper Creek (All Reaches).

Species	County	Year	Size (Length [mm])	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1963			300	Big Creek		CDFG. 2002, SCE. 1963
Brown Trout	Fresno	1949			Few	Florence Lake	Rescued fish and planted in reservoir behind Hooper Creek diversion dam	CDFG.1951b
Golden Trout	Fresno	1949	127-152		64	Bear Creek	Planted in Hooper Creek*	Dunham.1952 & CDFG.1949
Golden Trout	Fresno	1949	127-152		67	Bear Creek	Planted in Chamberlain Lake*	Dunham.1952 & CDFG.1949
Golden Trout	Fresno	1949	127-152		67	Bear Creek	Planted in Gordon Lake*	Dunham.1952 & CDFG.1949
Golden Trout	Fresno	1949	127-152		47	Bear Creek	Planted in Harvey Lake*	Dunham.1952 & CDFG.1949
Golden Trout	Fresno	1949	127-152		80	Bear Creek	Planted in Hooper Lake*	Dunham.1952 & CDFG.1949
Golden Trout	Fresno	1949	127-152		55	Bear Creek	Planted in Neil Lake*	Dunham.1952 & CDFG.1949
Rainbow Trout	Fresno	1949	Fingerling		Several hundred	Florence Lake	Rescued fish and planted in reservoir behind Hooper Creek diversion dam	CDFG.1951b

*Original planting

Table CAWG 7-Appendix C-8. Historical Fisheries Information for Hopper Creek.

Species	Date	Population Estimate	Biomass (kg)		Density		Number collected	Length (mm)	Comments	References
			kg/ha	lb/ac	Fish/km	Fish/Mile				
Golden Trout	10/10-11/64	Present					21	254-457	Fishing trip at Chamberlain Lake, a number of smaller trout caught - no quantity or lengths given.	Hoss.1964
Golden Trout	10/23-24/64	Present						Big	Fishing trip at Gorden Lake, qualitative - big GT observed, but not caught	Hoss.1964
Golden Trout	10/23-24/64	Present					2	406-508	Fishing trip at Harvey Lake, did not observe any smaller fish.	Hoss.1964
Golden Trout	8/7/52	Present						305-356	Four GT observed from shore, 1 found dead.	CDFG.1952b
Golden Trout	8/6/52	Present					Not specified	89-305	GT various sizes abundant in Hooper Cr. At lower meadow (1 mile below Hooper Lake) and upper meadow (located above lower meadow).	CDFG.1952b
Golden Trout	07/51	Present					8	343	Average length, fish in excellent condition, caught in Hooper Lake by anglers.	CDFG.1952b
Golden Trout	10/50	Present						305	Observed in Chamberlain, Harvey and Gordon Lakes by G. Bartholomew.	CDFG.1952b
Golden Trout	10/50	Present						< 25	A few small fingerlings observed.	CDFG.1951a

Table CAWG 7-Appendix C-9. Historical Information for Bear Creek Above the Diversion.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	8/7/78	Present					127	Located East Fork Bear Creek (T11S, R27E, Sec. 7, 6, 5)	CDFG.1978
Brown Trout	6/1/71	Present						"Excellent population...in lower reaches", in Bear Creek Diversion Dam Lake	SCE. 1971
Golden Trout	6/1/71	Present						Population of Golden Trout in upper reaches, in Bear Creek Diversion Dam Lake	SCE. 1971
Golden Trout/Rainbow Trout Hybrids	6/1/71	Present						"Present in good numbers...in middle area", in Bear Creek Diversion Dam Lake	SCE. 1971
Rainbow Trout	6/1/71	Present						"Present in good numbers...in middle area", in Bear Creek Diversion Dam Lake	SCE. 1971
Golden Trout	7/8-21/62	Present				4	229, Max. 381	Medley Lakes (South Fork Bear Cr.) - Fishing trip by Sierra Club, average size given	Lewis.1962
Golden Trout	7/8-21/62	Present				18	229, Max. 330	Sandpiper Lake (South Fork Bear Cr.) - Fishing trip by Sierra Club, average size given	Lewis.1962
Rainbow Trout	7/8-21/62	Present				5	203	Fishing trip by Sierra Club, average size given	Lewis.1962
Rainbow Trout	7/8-21/62	Present				1	216	Rose Lake (West Fork Bear Creek.) - Fishing trip by Sierra Club, average size given	Lewis.1962

Table CAWG 7-Appendix C-9. Historical Information for Bear Creek Above the Diversion (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	7/8-21/62	Present				3	229	Medley Lakes (South Fork Bear Creek.) - Fishing trip by Sierra Club, average size given	Lewis.1962
Golden Trout	8/8/60	Present					Max. 381	Seven Gables Lake Nos. 1-4 - GT Numerous	CDFG.1960
Golden Trout	8/9/60	Present					152-356	Claw Lake - GT present in "fair" numbers, in excellent condition, maintained by aerial plants	CDFG.1960
Golden Trout	8/9/60	Present					203-254	Den Lake - numerous as result of 1958 initial plant.	CDFG.1960
Golden Trout	8/9/60	Present						Vee Lake - GT present in limited numbers, some fish over 406 mm present, pop. dwindling	CDFG.1960
Golden Trout	8/10/60	Present					small	East Fork Bear Cr. - no quantification given, small, abundant - mouth to upper lakes	CDFG.1960
Golden Trout	8/10/60	Present						Big Bear Lake - GT pop. Low	CDFG.1960
Golden Trout	8/10/60	Present					small	Bearpaw Lake - tributary to Ursa Lake, very small pop. of small GT	CDFG.1960
Golden Trout	8/10/60	Present						Black Bear Lake - GT from plant in 1958 are present in low numbers.	CDFG.1960
Golden Trout	8/10/60	Present						Little Bear Lake - present in limited numbers	CDFG.1960
Golden Trout	8/10/60	Present						Ursa Lake - 1952 GT plant unsuccessful, fingerlings of 1960 plant observed	CDFG.1960
Golden Trout	8/11/60	Present						Coronet Lake - initial plant in 1958 taking hold , w/ fish averaging 8", in good condition	CDFG.1960

Table CAWG 7-Appendix C-9. Historical Information for Bear Creek Above the Diversion (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	Comments	References
				kg/ha	lb/ac				
Brook Trout	1958	Present				15	330-356	Lake Marie (West Fork Bear Cr) - fish in excellent condition	CDFG.1959
Golden Trout	1958	Present				2	small	Rose Lake (West Fork Bear Cr.)	CDFG.1959
Golden Trout	8/15/58	Present					small	Good fishing conditions, "lots" present, no quantification given	Vestal. 1958
Golden Trout/Rainbow Trout Hybrids	9/30/52	Present						Present in Rose Lake and Cirque Creek sub-basin	Lewis.1962
Rainbow Trout	9/19/50	Present					76-305	Abundant - approx. 2.5 miles above Diversion Dam	Douglas.1950
Golden Trout	8/16/48	Present				55	Max. 178	Fished just above Jct. w/ Hilgard Cr. for 1 hr. and caught 55 Golden Trout, fish were not fat	CDFG.1948c
Brown Trout	8/31/47	Present				12	203-375	Brown Trout are "abundant" w/ all size classes present, maximum size reported as 406 mm	CDFG.1948a
Rainbow Trout	7/30/34	12,000						Hatchery release	CDFG.1934c
Golden Trout	8/21/34	Present					102-305	Several fingerlings seen, Golden Trout abundant, source of data: U.S. Sierra Survey 8/21/34, recommended stocking only in lakes at headwaters	CDFG.1934c

Table CAWG 7-Appendix C-9. Historical Information for Bear Creek Above the Diversion (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	Comments	References
				kg/ha	lb/ac				
Brook Trout	1934	Present						Brook Trout "did real well" at the dam, no quantification given	CDFG.1934c
Golden Trout	1934	Present					small	No quantification given	CDFG.1934c
Brown Trout	1934	Present						Brown Trout "did real well" at the dam, no quantification given for all spp. (RT, BT, GT)	CDFG.1934c

Table CAWG 7-Appendix C-10. Historical Fish Stocking Information for Bear Creek (All Reaches).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1962			600	Big Creek		CDFG. 2002
Rainbow Trout, Whitney strain	Fresno	1951		15	3,120	Madera	Planted 0.5 to 2 miles above dam	CDFG.1951c
Rainbow Trout	Fresno	1948		28	4,050	Huntington Lake	8/9/1948 - Stocked in Bear Creek Reservoir (Bear Dam)	CDFG.1948a
Rainbow Trout	Fresno	1948		39	5,040	Huntington Lake	Planted 0.5 to 2 miles above dam on 8/23/48 [7S 27E Sec. 15]	CDFG.1948b
Golden Trout	Fresno	1942			19	Bear Creek Drainage	Planted in Seven Gables Lake 6, fish from East Fork Bear Creek	CDFG.1948c
Golden Trout	Fresno	1942			48	Bear Creek	Planted in Seven Gables Lake 7, fish from East Fork Bear Creek	CDFG.1948c
Golden Trout	Fresno	1942			184	Bear Creek	Planted in Vee Lake, fish from East Fork Bear Creek	CDFG.1948c
Golden Trout	Fresno	1942			20	Bear Creek	Planted in Northeast Branch Lake 2, fish from East Fork Bear Creek	CDFG.1948c
Golden Trout	Fresno	1942			86	Bear Creek	Planted in Northeast Branch Lake 3, fish from East Fork Bear Creek	CDFG.1948c
Golden Trout	Fresno	1942			20	Bear Creek	Planted in Northeast Branch Lake 4, fish from East Fork Bear Cr.	CDFG.1948c

Table CAWG 7-Appendix C-10. Historical Fish Stocking Information for Bear Creek (All Reaches) (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Golden Trout	Fresno	1942			45	Bear Creek	Planted in Northeast Branch Lake 5, fish from East Fork Bear Cr.	CDFG.1948c
Golden Trout	Fresno	1936	6*		15,470	Mount Whitney	*per pound; planted in unspecified "lakes at head of Bear Creek	CDFG.1948b
Rainbow Trout	Fresno	1934	9*		15,000	Kings River	*per pound	CDFG.1934b
Rainbow Trout	Fresno	1934			30,000	Huntington Lake	30-Jul-34	CDFG.1934c
Golden Trout	Fresno	1928			432	Bear Creek	Planted in Hilgard Reach	Dill.1943a
Golden Trout	Fresno	1928			504	Bear Creek	Planted in East Fork Bear Creek Reach	Dill.1943a
Golden Trout	Fresno	1928			395	Bear Creek	Planted in South Fork Bear Cr. Reach	Dill.1943a
Golden Trout	Fresno	1928			532	Bear Creek	Planted in Rose and Marie Lakes Drainage	Dill.1943a
Golden Trout	Fresno	1914			< 200	Golden Trout Creek	Wild Golden Trout planted in Marie Lake and headwaters of Bear Creek	Dill.1943a

Table CAWG 7-Appendix C-11. Historical Information for Bear Creek Below the Diversion.

Species	Date	Population Estimate	Biomass* (kg)	Density				Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac	Fish/km	Fish/Mile				
Brook Trout	8/1/85	6 (+1)	0.15	3	2.7	66	106	6	50-199		Bartholomew & Loudermilk.1986
Brown Trout	8/1/85	53 (+3)	4.24	86	76.7	580	933	52	25-299		Bartholomew & Loudermilk.1986
Brown Trout	6/1/71	Present								Population estimated as low	SCE.1971
Brown Trout	9/18/68			60	54	264	422	11	123-255	Two transects: 1) Located 0.25 miles below dam and 2) located below (denoted as lower transect), no pop. est., biomass or density provided, original density = 24 fish/300 ft. - density is conservative - not 100% of fish were collected in sample section	Bartholomew & Loudermilk.1986
Brown Trout	7/4/68							3	166-226	No pop. est., biomass or density provided	Bartholomew & Loudermilk.1986
Rainbow Trout	8/30/41	Present							Max. 152	No pop. est., biomass or density provided	CDFG.1941a
Brook Trout	6/26-27/79	Few				1.65	2.64		178	Original density 0.5 fish/100 feet, average fork length only, reproduction poor - few small fish observed	USFS. 1979
Rainbow Trout	6/26-27/79					1.65	2.64		152	Original density 0.5 fish/100 feet, average fork length only, reproduction poor - few small fish observed	USFS. 1979
Rainbow Trout	1941									Spawning observed, no quantification given	CDFG.1941b

*Based on total amount of fish (not each age category)

Table CAWG 7-Appendix C-12. Historical Fish Stocking Information for Bolsillo Creek (Below the Diversion Reach).

Species	County	Year	Size (Length [mm])	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1945	18 per oz.	8	2,160	Kings River	Planted at High Sierra Ranger Station?	CDFG.1945c
Rainbow Trout	Fresno	1944	25 per oz.	8	3,000	Kings River	Planted at High Sierra Ranger Station?	CDFG.1945c
Rainbow Trout	Fresno	1941	15.5 per oz.	15	3,720	Huntington Lake	Planted at High Sierra Ranger Station?	CDFG.1945c
Rainbow Trout	Fresno	1940	68 per oz.	3.75	4,080	Huntington Lake	Planted at High Sierra Ranger Station?	CDFG.1945c

Table CAWG 7-Appendix C-13. Historical Information for Bolsillo Creek Below the Diversion.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	as of 1970	Present					102-152	Numerous RT - no quantitative measurement given	CDFG.1970a
Brook Trout	as of 1970	Present					51-203	Numerous BT - no quantitative measurement given	CDFG.1970a
Brook Trout	8/13/40	Present					127	Elevation 7200 ft., BT seen to 5" (T7S 27E Sec. 8)	CDFG.1940

Table-CAWG 7-Appendix C-14. Historical Information for Mono Creek Below the Diversion.

Species	Date	Population Estimate	Biomass* (kg)	Density				Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac	Fish/km	Fish/Mile				
Brown Trout	7/26/85	30 (+2)	1.95	40.6	36.2	469	754	30	50-349	T7S R27E S3 ne 1/4, approx. 600 yds. DS of diversion dam near Mono Creek campground.	Bartholomew & Loudermilk.1986
Brown Trout	7/25/85	73 (+4)	4.82	90	80.3	798	1284	71	50-299	T7S R27E S3 ne 1/4, approx. 200 yds. DS of diversion dam near Mono Creek campground.	Bartholomew & Loudermilk.1986
Brown Trout	as of 1971	Present								"Present in good numbers from Mono Meadow on DS."	SCE.1971
Rainbow Trout	as of 1971	Present								"Present in good numbers from Mono Meadow on DS."	SCE.1971
Brown Trout	9/19/68	Present						45	70-236	0.5 miles below diversion and "lower" transect	Bartholomew & Loudermilk.1986
Rainbow Trout	9/19/68	Present						11	56-184	"Lower" transect	Bartholomew & Loudermilk.1986
Brown Trout	9/18/68	Present						11	69-224	Mono Meadow	Bartholomew & Loudermilk.1986
Rainbow Trout	9/18/68	Present						1	49	Mono Meadow	Bartholomew & Loudermilk.1986
Brown Trout	09/68	Present				1139	1832			No weight given or lengths.	SCE.1968
Rainbow Trout	09/68	Present				249	401			No weight given or lengths.	SCE.1968
Rainbow Trout and Brown Trout	09/68	Present		65	57.91	1575	2534			Density grouped together for entire stream with both fish species. Conservative densities, as not 100% of fish w/n sample section collected.	Bartholomew & Loudermilk.1986
Brown Trout	07/68	Present				535	861		36-254	No weight given.	SCE.1968
Rainbow Trout	07/68	Present				105	169		104-226	No weight given.	SCE.1968

*Based on total amount of fish (not sample size).

Table CAWG 7-Appendix C-15. Historical Information in the Mainstem of San Joaquin River (Mammoth Reach).

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Fork Length (mm)	Comments	References		
				kg/ha	lb/ac					Fish/km	Fish/Mile
Brown Trout	08/14/1986	5+2	0.23	1.3	1.2	72	115	5	125-199	Approximately 0.5 mi upstream Mammoth Pool Powerhouse	Bartholomew & Loudermilk.1986
Rainbow Trout	08/14/1986	45+9	1.58	9.2	8.2	645	1038	40	50-249	Approximately 0.5 mi upstream Mammoth Pool Powerhouse	Bartholomew & Loudermilk.1986
Sacramento Sucker	08/14/1986	26+2	1.82	10.6	9.5	373	599	26	25-374	Approximately 0.5 mi upstream Mammoth Pool Powerhouse	Bartholomew & Loudermilk.1986
Brown Trout	09/05/1985	38+19	1.48	8.6	7.7	544	876	29	75-349	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	09/05/1985	58+5	2.09	12.2	10.9	831	1337	56	50-224	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986
Sacramento Sucker	09/05/1985	162+18				2321	3735	142	25-374	Immediately downstream Ross Creek confluence	Bartholomew and Loudermilk.1986
Brown Trout	09/04/1985	36+39	0.25	2.5	2.2	486	782	22	50-124	Approximately 0.5 mi upstream Mammoth Pool Powerhouse	Bartholomew & Loudermilk.1986
Rainbow Trout	09/04/1985	17+2	0.07	0.7	0.6	230	369	17	50-99	Approximately 0.5 mi upstream Mammoth Pool Powerhouse	Bartholomew & Loudermilk.1986

Table CAWG 7-Appendix C-15. Historical Information in the Mainstem of San Joaquin River (Mammoth Reach) (Continued).

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Fork Length (mm)	Comments	References		
				kg/ha	lb/ac					Fish/km	Fish/Mile
Sacramento Sucker	09/04/1985	24+4	4.39	42.6	38	324	521	23	50-374	Approximately 0.5 mi upstream Mammoth Pool Powerhouse	Bartholomew & Loudermilk.1986
Brown Trout	1985	present								"Brown trout occur in San Joaquin River above and below Mammoth Pool Dam."	ESA.1985
Sacramento Sucker	1985	present								"Suckers remain common in the San Joaquin River below Mammoth Pool Dam."	ESA.1985
Brown Trout	08/02/1984	41+46	1.23	5.3	4.7	448	722	24	75-299	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	08/02/1984	91+193	1.46	6.3	5.6	995	1601	34	25-249	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986
Sacramento Sucker	08/02/1984	79+18	77	37.4	33.4	864	1390	66	25-349	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	7/84-8/84	26		0.52	0.58	309	507	18		Immediately downstream Shakeflat Creek confluence	Bartholomew & Loudermilk.1986
Brown Trout	7/84-8/84	90		0.61	0.69	209	343	23		Immediately downstream Shakeflat Creek confluence	Bartholomew & Loudermilk.1986

Table CAWG 7-Appendix C-15. Historical Information in the Mainstem of San Joaquin River (Mammoth Reach) (Continued).

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Fork Length (mm)	Comments	References	
				kg/ha	lb/ac					Fish/km
Sacramento Sucker	7/84-8/84	32	7.03	7.9	73	119	8	Immediately downstream Shakeflat Creek confluence	Bartholomew and Loudermilk.1986	
Brown Trout	7/84-8/84	11+0	0.23	1.16	1.3	161	264	11	Immediately downstream Horsethief Creek confluence	Bartholomew & Loudermilk.1986
Sacramento Sucker	7/84-8/84	52+54	7.59	48.79	54.8	981	1608	30	Immediately downstream Horsethief Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	08/01/1984	33+5	12.29	13.8	354	581	31	Immediately downstream Fish Creek confluence	Bartholomew and Loudermilk.1986	
Brown Trout	08/01/1984	7+0	9.88	11.1	75	123	7	Immediately downstream Fish Creek confluence	Bartholomew & Loudermilk.1986	
Sacramento Sucker	08/01/1984	51+5	34.63	38.9	548	898	49	Immediately downstream Fish Creek confluence	Bartholomew & Loudermilk.1986	
Rainbow Trout	7/84-8/84	91	4.89	5.5	977	1604	34	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986	
Brown Trout	7/84-8/84	41	4.17	4.69	440	723	24	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986	
Sacramento Sucker	7/84-8/84	79	30.52	34.3	886	1426	66	Immediately downstream Ross Creek confluence	Bartholomew & Loudermilk.1986	

Table CAWG 7-Appendix C-15. Historical Information in the Mainstem of San Joaquin River (Mammoth Reach) (Continued).

Species	Date	Population Estimate	Biomass* (kg)	Density				Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac	Fish/km	Fish/Mile				
Rainbow Trout	08/01/1984	33+5	1.93	15.5	13.8	361	581	31	50-299	Immediately downstream Fish Creek confluence	BSAI.1987a
Brown Trout	08/01/1984	7+0	1.55	12.4	11.1	76	123	7	75->400	Immediately downstream Fish Creek confluence	BSAI.1987a
Sacramento Sucker	08/01/1984	51+4	5.42	43.6	38.9	558	898	49	25-324	Immediately downstream Fish Creek confluence	BSAI.1987a
Brown Trout	07/31/1984	11+0	0.23	1.5	1.3	164	264	11	50-199	Immediately downstream Horsethief Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	07/31/1984	23+1	0.25	1.6	1.4	343	552	23	50-224	Immediately downstream Horsethief Creek confluence	Bartholomew & Loudermilk.1986
Sacramento Sucker	07/31/1984	52+54	7.59	47.5	42.4	776	1248	30	75-299	Immediately downstream Horsethief Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	07/31/1984	23+1	0.25	1.34	1.5	337	552	23		Immediately downstream Horsethief Creek confluence	Bartholomew & Loudermilk.1986
Rainbow Trout	07/30/1984	18+0	0.04	0.2	0.2		268	18	25-74	Immediately downstream Shakeflat Creek confluence	BSAI.1987a

Table CAWG 7-Appendix C-15. Historical Information in the Mainstem of San Joaquin River (Mammoth Reach) (Continued).

Species	Date	Population Estimate	Biomass* (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	07/30/1984					18		Immediately downstream Shakeflat Creek confluence	BSAI.1987a
Sacramento Sucker	07/30/1984	8+0	1.28	8.9	7.9	8	50-324	Immediately downstream Shakeflat Creek confluence	BSAI.1987a

*Based on total amount of fish (not sample size).

Table CAWG 7-Appendix C-16. Historical Fish Stocking for Rock Creek.

Species	County	Year	Size (Length [mm])	Pounds	No. of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	2002	C*		2,708	San Joaquin Fish Hatchery		CDFG.2002
Rainbow Trout	Madera	2001	C*		2,830	San Joaquin Fish Hatchery		CDFG.2002
Rainbow Trout	Madera	2000	C*		2,900	San Joaquin Fish Hatchery		CDFG.2002
Rainbow Trout	Madera	1999	C*		2,370	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1998	C*		2,630	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1997	C*		2,735	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1996	C*		3,040	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1995	C*		3,040	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1994	C*		3,415	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1993	C*		3,550	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1992	C*		4,365	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1991	C*		3,160	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1990	C*		4,285	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1989	C*		4,965	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1988	C*		4,805	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1987	C*		950	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1986	C*		6,070	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1985	C*		5,910	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1984	C*		5,180	San Joaquin Fish Hatchery		CDFG.1999a

Table CAWG 7-Appendix C-16. Historical Fish Stocking for Rock Creek (Continued).

Species	County	Year	Size (Length Pounds [mm])	No. of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	1983	C*	5,800	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1982	C*	5,625	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1981	C*	5,100	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1980	C*	6,020	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1979	C*	5,691	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1978	C*	4,544	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1977	C*	4,235	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1976	C*	4,680	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1975	C*	4,583	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1974	C*	5,240	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1973	C*	6,905	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1972	C*	7,797	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1971	C*	6,089	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1970	C*	5,518	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1969	C*	11,036	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1968	C*	4,989	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1967	C*	8,339	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout and Brook Trout	Madera	1966	C*	5,130	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1965	C*	5,360	San Joaquin Fish Hatchery		CDFG.1999a

Table CAWG 7-Appendix C-16. Historical Fish Stocking for Rock Creek (Continued).

Species	County	Year	Size (Length Pounds [mm])	No. of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	1964	C*	5,468	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1963	C*	4,730	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1962	C*	3,880	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1961	C*	3,595	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1960	C*	3440	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1959	C*	2,415	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1958	C*	3,555	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1957	C*	4546	San Joaquin Fish Hatchery		CDFG.1999a
Rainbow Trout	Madera	1956	C*	3,889	San Joaquin Fish Hatchery		CDFG.1999a
Brown Trout	Madera	1953	F**	6,360	Madera		CDFG.1999a
Rainbow Trout	Madera	1952	F**	12,060	Madera		CDFG.1999a
Rainbow Trout	Madera	1951	F**	14,840	Madera		CDFG.1999a
Rainbow Trout	Madera	1950	F**	14984	Madera		CDFG.1999a

*Catchables

**Fingerlings

Table CAWG 7-Appendix C-17. Historical Information for Rock Creek.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	Aug-76	Present				105.6	152.4-203.2	Table 7-3	ESA 1985
Rainbow Trout & Brown Trout	Mar-84	Present				316.8	86.4-259.1	Table 7-3	ESA 1985

Table CAWG 7-Appendix C-18. Historical Estimates for the Stevenson Reach of the San Joaquin River.

Species	Date	Population Estimate	Density		Comments	References
			lb/ac	Fish/Mile		
Rainbow Trout	1986	21	76.08	1458.95	Collected at the stairway, run habitat.	BSAI.1987
Rainbow Trout	1986	2	24.57	1173.33	Collected at the stairway, riffle habitat.	BSAI.1987
Rainbow Trout	1986	38	26.26	1866.42	Collected at the stairway, boulder strewn type II habitat.	BSAI.1987
Rainbow Trout	1986	17	11.68	839.66	Collected at the stairway, boulder strewn type I habitat.	BSAI.1987
Rainbow Trout	1986	8	12.46	545.74	Collected at the stairway, A2 pool habitat.	BSAI.1987
Sacramento Sucker	1986	17	1.55	1181.05	Collected at the stairway, run habitat.	BSAI.1987
Sacramento Sucker	1986	34	39.85	1669.95	Collected at the stairway, boulder strewn type II habitat.	BSAI.1987
Sacramento Sucker	1986	9	1.76	444.53	Collected at the stairway, boulder strewn type I habitat.	BSAI.1987
Sacramento Sucker	1986	5	7.8	668.35	Collected at the stairway, A1 pool habitat.	BSAI.1987
Sacramento Sucker	1986	100	22.48	6821.71	Collected at the stairway, A2 pool habitat.	BSAI.1987
Brown Trout	1986	2	0.49	98.23	Collected at the stairway, boulder strewn type II habitat.	BSAI.1987
Rainbow Trout	1986	2	28.6	222.78	Collected between the stairway and Stevenson Ck, boulder strewn type II habitat.	BSAI.1987
Rainbow Trout	1986	6	51.72	623.62	Collected between the stairway and Stevenson Ck, boulder strewn type I habitat.	BSAI.1987
Rainbow Trout	1986	2	0.45	168.96	Collected between the stairway and Stevenson Ck, A1 pool habitat.	BSAI.1987

Table CAWG 7-Appendix C-18. Historical Estimates for the Stevenson Reach of the San Joaquin River (Continued).

Species	Date	Population Estimate	Density		Comments	References
			lb/ac	Fish/Mile		
Sacramento Sucker	1986	13	218.5	1448.1	Collected between the stairway and Stevenson Ck, boulder strewn type II habitat.	BSAI.1987
Sacramento Sucker	1986	6	35.85	623.62	Collected between the stairway and Stevenson Ck, boulder strewn type I habitat.	BSAI.1987
Sacramento Sucker	1986	42	39.56	3548.16	Collected between the stairway and Stevenson Ck, A1 pool habitat.	BSAI.1987
Prickly Sculpin	1986	1	1.36	111.39	Collected between the stairway and Stevenson Ck, boulder strewn type II habitat.	BSAI.1987
Rainbow Trout	1986	2	22.63	302.58	Collected below Stevenson Ck, run habitat.	BSAI.1987
Rainbow Trout	1986	1	42.53	262.69	Collected below Stevenson Ck, riffle habitat.	BSAI.1987
Rainbow Trout	1986	7	14.45	1188.42	Collected below Stevenson Ck, boulder strewn type I habitat.	BSAI.1987
Rainbow Trout	1986	41			Collected below Stevenson Ck, A2 pool habitat.	BSAI.1987
Sacramento Pikeminnow	1986	2	0.08	302.58	Collected below Stevenson Ck, run habitat.	BSAI.1987
Sacramento Pikeminnow	1986	21	0.58	3565.27	Collected below Stevenson Ck, boulder strewn type I habitat.	BSAI.1987
Sacramento Pikeminnow	1986	98	2.38	12682.35	Collected below Stevenson Ck, A1 pool habitat.	BSAI.1987
Sacramento Pikeminnow	1986	11	0.39	1187.73	Collected below Stevenson Ck, A2 pool habitat.	BSAI.1987
Sacramento Sucker	1986	2	0.14	302.58	Collected below Stevenson Ck, run habitat.	BSAI.1987

Table CAWG 7-Appendix C-18. Historical Estimates for the Stevenson Reach of the San Joaquin River (Continued).

Species	Date	Population Estimate	Density		Comments	References
			lb/ac	Fish/Mile		
Sacramento Sucker	1986	3	0.14	509.32	Collected below Stevenson Ck, boulder strewn type I habitat.	BSAI.1987
Sacramento Sucker	1986	55	2.24	7117.65	Collected below Stevenson Ck, A1 pool habitat.	BSAI.1987
Sacramento Sucker	1986	7	0.42	755.83	Collected below Stevenson Ck, A2 pool habitat.	BSAI.1987
Brown Trout	1986	1	1.66	151.29	Collected below Stevenson Ck, run habitat.	BSAI.1987
Hardhead	1986	1148	5.71	66463.16	Collected below Redinger Lk, A1 pool habitat.	BSAI.1987
Hardhead	1986	205	0.66	8673.08	Collected below Redinger Lk, A2 pool habitat.	BSAI.1987
Hardhead	1986	62	1.57	10628.57	Collected below Redinger Lk, run habitat.	BSAI.1987
Hardhead	1986	8	0.39	1973.83	Collected below Redinger Lk, riffle habitat.	BSAI.1987
Hardhead	1986	1	2.08	83.41	Collected below Redinger Lk, boulder strewn type 1 habitat.	BSAI.1987
Rainbow Trout	1986	2	1.21	342.86	Collected below Redinger Lk, run habitat.	BSAI.1987
Rainbow Trout	1986	4	1.98	986.92	Collected below Redinger Lk, riffle habitat.	BSAI.1987
Rainbow Trout	1986	12	6.5	1000.95	Collected below Redinger Lk, boulder strewn type 1 habitat.	BSAI.1987
Prickly Sculpin	1986	18	0.73	1042.11	Collected below Redinger Lk, A1 pool habitat.	BSAI.1987
Prickly Sculpin	1986	20	0.71	846.15	Collected below Redinger Lk, A2 pool habitat.	BSAI.1987
Prickly Sculpin	1986	8	2.26	1371.43	Collected below Redinger Lk, run habitat.	BSAI.1987

Table CAWG 7-Appendix C-18. Historical Estimates for the Stevenson Reach of the San Joaquin River (Continued).

Species	Date	Population Estimate	Density		Comments	References
			lb/ac	Fish/Mile		
Prickly Sculpin	1986	38	10.47	9375.7	Collected below Redinger Lk, riffle habitat.	BSAI.1987
Prickly Sculpin	1986	4	4.14	333.65	Collected below Redinger Lk, boulder strewn type 1 habitat.	BSAI.1987
Sacramento Sucker	1986	73	2.34	4226.32	Collected below Redinger Lk, A1 pool habitat.	BSAI.1987
Sacramento Sucker	1986	43	0.86	1819.23	Collected below Redinger Lk, A2 pool habitat.	BSAI.1987
Sacramento Sucker	1986	6	1.23	1028.57	Collected below Redinger Lk, run habitat.	BSAI.1987
Sacramento Sucker	1986	7	0.59	583.89	Collected below Redinger Lk, boulder strewn type 1 habitat.	BSAI.1987
Sacramento Pikeminnow	1986	842	6.03	48747.37	Collected below Redinger Lk, A1 pool habitat.	BSAI.1987
Sacramento Pikeminnow	1986	902	2.78	38161.54	Collected below Redinger Lk, A2 pool habitat.	BSAI.1987
Sacramento Pikeminnow	1986	192	6.71	32914.29	Collected below Redinger Lk, run habitat.	BSAI.1987
Sacramento Pikeminnow	1986	34	2.38	8388.79	Collected below Redinger Lk, riffle habitat.	BSAI.1987
Sacramento Pikeminnow	1986	376	14.05	31363.03	Collected below Redinger Lk, boulder strewn type 1 habitat.	BSAI.1987

Table CAWG 7-Appendix C-19. Historical Fish Stocking Information for Big Creek (All Reaches).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comments	References
Rainbow Trout	Fresno	1979			1600	Big Creek	planted behind Dam 5	ESA.1985 & CDFG.2002
Rainbow Trout	Fresno	1979			1,700	Big Creek		CDFG.2002
Rainbow Trout	Fresno	1957			1,586	Big Creek		CDFG.2002
Brown Trout	Fresno	1937		63/oz	50,000		Big Creek Below Huntington Lake	Dill.1944
Brown Trout	Fresno	1936		80/oz	50,000		Big Creek Below Huntington Lake	Dill.1944
Brown Trout	Fresno	1935			10,000		Big Creek Below Huntington Lake	Dill.1944
Brook Trout	Fresno	1934		10/oz	5,000		Powerhouse 2	Dill.1944
Brook Trout	Fresno	1934		10/oz	5,000		Powerhouse 2	Dill.1944
Brook Trout	Fresno	1933			15,000		Powerhouse 2	Dill.1944
Brook Trout	Fresno	1933			15,000		Powerhouse 2	Dill.1944

Table CAWG 7-Appendix C-19. Historical Fish Stocking Information for Big Creek (All Reaches) (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comments	References
Brook Trout	Fresno	1932			2,000		Powerhouse 2	Dill.1944
Brook Trout	Fresno	1932			6,000		Powerhouse 2	Dill.1944
Brook Trout	Fresno	1931			2,000		Powerhouse 2	Dill.1944
Steelhead Trout	Fresno	1931			2,000		Powerhouse 2	Dill.1944
Rainbow Trout	Fresno	1963			1,800	Big Creek		CDFG.2002
Rainbow Trout	Fresno	1962			1,600	Big Creek		CDFG.2002

Table CAWG 7-Appendix C-20. Historical Information for Big Creek - Dam 1 to Powerhouse 1.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	February-2000	Present							SCE.2000b
Riffle sculpin	February-2000	Present							SCE.2000b
Brown Trout	1985	Present						"this portion of Big Creek contains wild brown trout densities as high as any other stream surveyed."	ESA. 1985
Brown Trout	December 1985	Present						Brown trout occupy much of mainstem Big Creek above and below Huntington Lake	ESA. 1985
Rainbow Trout	12/08/1944	Present						Rainbow have been reported. Warden Paul Kehrer tells me that one can catch some nice medium-sized Rainbow in "Scott Lake"	Dill.1944
Brown Trout	12/08/1944	Present						Loch Leven have been reported	Dill.1944
Brook Trout	12/08/1944	Present						Eastern brook, have been reported	Dill.1944

Table CAWG 7-Appendix C-21. Historical Information for Big Creek from Dam 4 to Powerhouse 2.

Species	Date	Population Estimate	Biomass (kg)	Density		Number. collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	1987	Present							BSAI.1987a
Rainbow Trout	1987	Present							BSAI.1987a
Sculpin	1987	Present							BSAI.1987a
Rainbow Trout	Jul-68	Present				21.1	177.8	Table 7-3 elev 4800	ESA.1985
Brown Trout	Jul-68	Present				316.8	63.5-330.2	Table 7-3 elev 4800	ESA.1985
Rainbow Trout	Jul-68	Present				31.7	203.2	Table 7-3 elev 4000	ESA.1985
Brown Trout	Jul-68	Present				596.6	63.5-264.2	Table 7-3 elev 4000	ESA.1985
Rainbow Trout	Jul-68	Present				913.44	35.6-228.6	Table 7-3 elev 3000	ESA.1985
Brown Trout	Jul-68	Present				374.9	55.9-165.1	Table 7-3 elev 3000	ESA.1985

Table CAWG 7-Appendix C-22. Historical Information for Big Creek - Dam 5 to Powerhouse 8.

Species	Date	Total Number in Reach*	Biomass (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	1986		2.14			33	60-309	Electrofishing results	BSAI.1987a
Brown Trout	1986	69	3.89		11.51			Riffle habitat.	BSAI.1987a
Brown Trout	1986	921	42.2		17.98			Run habitat.	BSAI.1987a
Brown Trout	1986	85	4.00		11.34			Boulder strewn habitat.	BSAI.1987a
Brown Trout	1986	73	6.63		3.71			A1 pool habitat.	BSAI.1987a
Brown Trout	1986	181	8.76		4.76			A2 pool habitat.	BSAI.1987a
Brown Trout	1986	113	22.76		5.05			A3 pool habitat.	BSAI.1987a
Rainbow Trout	1986	42	1.40		3.89			Plunge pool habitat.	BSAI.1987a
Rainbow Trout	1986	438	4.30		73.1			Riffle habitat.	BSAI.1987a

Table CAWG 7-Appendix C-22. Historical Information for Big Creek - Dam 5 to Powerhouse 8 (Continued).

Species	Date	Total Number in Reach*	Biomass (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	1986	4839	49.65		94.48			Run habitat.	BSAI.1987a
Rainbow Trout	1986	458	4.67		61.20			Boulder strewn habitat.	BSAI.1987a
Rainbow Trout	1986	359	6.82		18.14			A1 pool habitat.	BSAI.1987a
Rainbow Trout	1986	271	13.55		7.14			A2 pool habitat.	BSAI.1987a
Rainbow Trout	1986	453	63.82		20.21			A3 pool habitat.	BSAI.1987a
Rainbow Trout	1986		2.79			148	50-219	Electrofishing results	BSAI.1987a
Prickly Sculpin	1986		0.05			1		Electrofishing results	BSAI.1987a

*Total fish calculated to reside in reach

Table CAWG 7-Appendix C-23. Historical Fish Stocking Information for Pitman Creek.

Species	County	Year	Size (Length [mm])	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	2001	C*	850	1,630	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	2000	C*	800	1,675	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1999	C*		2,020	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1998	C*		1,398	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1997	C*		1,455	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1996	C*		2,183	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1995	C*		1,400	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1994	C*		1,700	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1993	C*		3,095	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1992	C*		4,395	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1991	C*		3,085	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1990	C*		2,440	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1989	C*		3,150	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1988	C*		4,245	San Joaquin Fish Hatchery		CDFG. 2002.

Table CAWG 7-Appendix C-23. Historical Fish Stocking Information for Pitman Creek (Continued).

Species	County	Year	Size (Length [mm])	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1987	C*		2,390	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1986	C*		4,403	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1985	C*		3,675	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1984	C*		4,730	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1983	C*		5,030	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1982	C*		3,635	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1981	C*		3,121	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1980	C*		3,660	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1979	C*		3,236	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1979	C*		340	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1978	C*		4,100	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1977	C*		3,335	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1976	C*		3,680	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1975	C*		3,623	San Joaquin Fish Hatchery		CDFG. 2002.

Table CAWG 7-Appendix C-23. Historical Fish Stocking Information for Pitman Creek (Continued).

Species	County	Year	Size (Length [mm])	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1974	C*		2,960	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1973	C*		3,530	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1972	C*		3,989	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1971	C*		4,896	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1970	C*		3,870	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1969	C*		4,281	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1968	C*		2,363	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1967	C*		3,890	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout & Brook Trout	Fresno	1966	C*		6,066	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1965	C*		7,890	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1964	C*		1,960	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1963	C*		4,184	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1962	C*		2,950	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1961	C*		3,320	San Joaquin Fish Hatchery		CDFG. 2002.

Table CAWG 7-Appendix C-23. Historical Fish Stocking Information for Pitman Creek (Continued).

Species	County	Year	Size (Length [mm])	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1960	C*		3,100	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1959	C*		1,100	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1958	C*		1,995	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1957	C*		2,100	San Joaquin Fish Hatchery		CDFG. 2002.
Rainbow Trout	Fresno	1956	C*		1,496	San Joaquin Fish Hatchery		CDFG. 2002.
Cutthroat Trout and Brown Trout	Fresno	1910						Shebley. 1911.
Trout	Fresno	1897						Ellis. 1915.

* Catchables

Table CAWG 7-Appendix C-24. Historical Information for Balsam Creek.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
--	1982	--						"Balsam Creek does not now sustain a permanent fishery."	FERC.1982a
--	1982	--						"Fish plantings are not recommended for Balsam Meadow forebay."	FERC.1982a
--	Sep-82	--						"No fish were collected in Balsam Creek near the forebay site."	ESA.1985
Rainbow Trout	09/20/1945	None given						"Residents say that stream is OK for fish and report them below the Highway No. 168 road crossing. Also say they exist above the dam. Fish not seen by me. They are probably Rainbow and probably small."	Dill.1945b

Table CAWG 7-Appendix C-25. Historical Information for North Fork Stevenson Creek Downstream of Tunnel 7 Outlet.

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	References
				kg/ha	lb/ac			
Brown Trout	1992					208	61-249	BSAI.1993
Rainbow Trout	1992					147	46-243	BSAI.1993
Brown Trout	1991					282	62-415	BSAI.1993
Rainbow Trout	1991					135	46-294	BSAI.1993
Brown Trout	1990					263	63-409	BSAI.1993
Rainbow Trout	1990					124	53-275	BSAI.1993
Brown Trout	1989					213	67-568	BSAI.1993
Rainbow Trout	1989					157	45-242	BSAI.1993
Brown Trout	1988					227	50-395	BSAI.1993
Rainbow Trout	1988					154	41-293	BSAI.1993
Rainbow Trout	1981							892 ESA.1985
Brown Trout	1981							106 ESA.1985

Table CAWG 7-Appendix C-25. Historical Information for North Fork Stevenson Creek Downstream of Tunnel 7 Outlet (Continued)

Species	Date	Population Estimate	Biomass (kg)	Density		Number collected	Length (mm)	References
				kg/ha	lb/ac			
Brook Trout	1981					16		ESA.1985
Rainbow Trout	1980					528	51-229	ESA.1985
Brown Trout	1980					53	229-543	ESA.1985

Table CAWG 7-Appendix C-26. Comparison of Collected Fish by Rosgen Levels of 2000 and 2001 in North Fork Stevenson Creek.

Site	Total Collected (2000)	Population Estimate (2000)	Estimated Abundance (#/km)	Total Collected (2001)	Population Estimate (2001)	Estimated Abundance (#/km)
Rosgen Level I Aa+ Channel Type Site (Upper Cascade)¹						
Rainbow Trout	-	-	-	39	39	427
Riffle Sculpin	-	-	-	8	8	87
Rosgen Level I G Channel Type Site (Upper Plateau Site 2)						
Brown Trout	18	18	189	19	20	210
Rainbow Trout	25	36	379	65	100	1052
Sacramento Sucker	-	-	-	6	6	63
Rosgen Level I G Channel Type Site (Upper Plateau Site 1)²						
Brown Trout	31	40	505	53	57	719
Rainbow Trout	33	34	429	34	45	568
Sacramento Sucker	4	4	50	-	-	-
Riffle Sculpin	1	1	13	-	-	-
Rosgen Level I C Channel Type Site (Lower Plateau)¹						
Brown Trout	-	-	-	40	44	722
Rainbow Trout	-	-	-	62	70	1148
Sacramento Sucker	-	-	-	1	1	16

¹ Site not sampled in 2000

² Site not sampled in 2001

Table CAWG 7-Appendix C-27. Historical Information for Stevenson Creek Downstream of Shaver Lake.

Species	Date	Population Estimate	Density		Biomass (lbs/acre)	Fork Length (mm)	Comments	References
			kg/ha	lb/ac				
Rainbow Trout	Jul-68					25.4-165.1		ESA 1985
Rainbow Trout	Feb-70						From Stevenson Creek I.G.	CDFG 1970a
Rainbow Trout	1986	24				20-199	Site 1A	BSAI 1988
Rainbow Trout	1988	8				59-179	Site 1A	BSAI 1988
Rainbow Trout	1986	15				20-199	Site 1B	BSAI 1988
Rainbow Trout	1986	22				20-199	Site 2A	BSAI 1988
Rainbow Trout	1988	11				59-179	Site 2A	BSAI 1988
Rainbow Trout	1986	12				20-199	Site 2B	BSAI 1988
Rainbow Trout	1988	11				59-179	Site 2B	BSAI 1988
Rainbow Trout	1986	68				20-199	Site 3A	BSAI 1988
Rainbow Trout	1988	39				59-179	Site 3A	BSAI 1988

Table CAWG 7-Appendix C-28. Historical Stocking for Stevenson Creek.

Species	County	Year	Size (Length [mm])	Pounds	No. of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1954			11,970	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1953			12,045	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1952			9,990	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1951			12,240	CDFG San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1950			11,500	San Joaquin		CDFG. 2002
Rainbow Trout and Brown Trout	Fresno	1906						Shebley. 1911
Cutthroat Trout	Fresno	1884					Possibly stocked.	Ellis. 1910

Table CAWG 7-Appendix C-29. Historical Fish Stocking Information for Florence Lake.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1998	F ¹		60,880	San Joaquin		CDFG. 1998
Rainbow trout, Whitney X Kamloops strain	Fresno	1997	F ¹		25,200	San Joaquin		CDFG. 1998
Rainbow trout, Whitney X Kamloops strain	Fresno	1996	F ¹		20,246	San Joaquin		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1995	F ¹		18,000	San Joaquin		CDFG. 1998
Rainbow trout, Whitney X Kamloops strain	Fresno	1994	F ¹		18,000	San Joaquin		CDFG. 1998
Rainbow trout. Whitney X Kamloops strain	Fresno	1993	F ¹		21,000	San Joaquin		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1992	F ¹		19,950	San Joaquin		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1991	F ¹		18,000	San Joaquin		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1990	F ¹		19,500	San Joaquin		CDFG. 1998
Eagle Lake-wild trout	Fresno	1989	F ¹		19,000	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1988	F ¹		20,000	San Joaquin		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1987	F ¹		10,000	San Joaquin		CDFG. 1998
Rainbow trout- Kamloops junction	Fresno	1986	F ¹		4,500	San Joaquin		CDFG. 1998

Table CAWG 7-Appendix C-29. Historical Fish Stocking Information for Florence Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow trout, Whitney strain	Fresno	1986	F ¹		18,150	San Joaquin		CDFG. 1998
Eagle Lake trout	Fresno	1985	F ¹		96,900	Moccasin Fish		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1983	F ¹		52,500	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1982	F ¹		20,000	San Joaquin		CDFG. 1998
Rainbow trout, Whitney strain	Fresno	1981	F ¹		50,400	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1981	C ²		500	San Joaquin		CDFG. 1998
Brook trout	Fresno	1980	F ¹		50,410	San Joaquin		CDFG. 1998
Rainbow Trout-coleman strain	Fresno	1980	F ¹		35,280	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1979	F ¹		53,200	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1972	C ²		29,760	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1971	C ²		23,276	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1970	C ²		12,962	DJ Marshall		CDFG. 1998
Brown trout	Fresno	1969	F ¹		44,200	DJ Marshall		CDFG. 1998
Rainbow Trout	Fresno	1969	C ²		14,712	DJ Marshall		CDFG. 1998
Kokanee slamon	Fresno	1959	F ¹		75,000	San Joaquin		CDFG. 1998
Rainbow Trout	Fresno	1954	F ¹		25,300	Kings River		CDFG. 1998
Rainbow Trout	Fresno	1953	F ¹		24,960	Kings River		CDFG. 1998
Rainbow Trout	Fresno	1952	F ¹	49	25,110	Kings River	Total wt.= 785 oz.	CDFG. 1998, CDFG. 1952c

Table CAWG 7-Appendix C-29. Historical Fish Stocking Information for Florence Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1951	F ¹	63	30,000	Kings River	Total wt.= 1000 oz.	CDFG. 1998, CDFG. 1952c
Rainbow Trout	Fresno	1950	F ¹	148	21,375	Huntington Lake	Total wt.= 2375 oz.	CDFG. 1998, CDFG. 1952c
Rainbow Trout	Fresno	1949	20 per oz.	84	27,000	Kings River	6/5/49; total wt.= 1350 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1948	19 per oz.	84.4	25,650	Kings River	6/8/48; total wt.= 1350 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1948	7 per oz.	83	9,240	Kings River	8/24-27/48; total wt.= 1320 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1947	40 per oz.	53	33,600	Kings River	5/14/47; total wt.= 840 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1946	30 per oz.	63	30,000	Kings River	6/1/46; total wt.= 1000 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1945	18 per oz.	163	46,800	Kings River	6/19/45; total wt.= 2600 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1944	32 per oz.	87	44,480	Kings River	5/27&31/44; total wt.= 1390 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1944	25 per oz.	30	12,000	Kings River	6/7/44; total wt.= 480 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1943	25 per oz.	105	42,000	Kings River	6/15-16/43; total wt.= 1680 oz.	CDFG. 1952c
Rainbow Trout	Fresno	1942	27 per oz.	93	40,365	Kings River	6/27/42; total wt.=1495 oz.	CDFG. 1952c
Brown trout	Fresno	1941	21 per oz.	83	28,035	Kings River	6/25/41; total wt.= 1335 oz.	CDFG. 1952c
Brown trout	Fresno	1940	29 per oz.	54	25,056	Kings River	5/22/1940; total wt.= 864 oz.	CDFG. 1952c
Brown trout	Fresno	1937	47 per oz.		60,000	Kings River	06/22/1937	CDFG. 1952c

Table CAWG 7-Appendix C-29. Historical Fish Stocking Information for Florence Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Brown trout	Fresno	1936	46 per oz.		41,400	Huntington Lake	07/11/1936	CDFG. 1952c
Brown trout	Fresno	1936	46 per oz.		10,940	Huntington Lake	07/14/1936	CDFG. 1952c
Brown trout	Fresno	1935	26 per oz.		33,280	Huntington Lake	07/09/1935	CDFG. 1952c
Brown trout	Fresno	1934	17 per oz.		26,010	Huntington Lake	07/25/1934	CDFG. 1952c
Brown trout	Fresno	1934	see comment		16,734	Huntington Lake	17 per oz. for 9,894 & 22 per oz. for 6,840; 7/26/34	CDFG. 1952c
Brown trout	Fresno	1934	16 per oz.		28,060	Kings River	07/14/1934	CDFG. 1952c
Brown trout	Fresno	1934	see comment		19,205	Kings River	21 per oz. For 8,525 & 15 per oz. For 10,680; 7/18/34	CDFG. 1952c
Brown trout	Fresno	1933			50,000	Huntington Lake	08/24/1933	CDFG. 1952c
Brown trout	Fresno	1933			90,000	Huntington Lake	9/2-3/33	CDFG. 1952c
Rainbow Trout	Fresno	1933			20,000	Huntington Lake	08/25/1933	CDFG. 1952c
Rainbow Trout	Fresno	1932			30,000	Huntington Lake	08/14/1932	CDFG. 1952c
Steelhead trout	Fresno	1931			30,000	Kings River	07/05/1931	CDFG. 1952c

1 Fingerling

2 Catchable

Table CAWG 7-Appendix C-30. Historical Fish Population Information for Florence Lake.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	6/6/74	Present				33	178-429	Caught in Florence Lake by 4 gillnets.	CDFG. 1975
Rainbow Trout	6/6/74	Present				2	282-310	Caught in Florence Lake by 4 gillnets.	CDFG. 1970b
Brown Trout	7/25/73	Present				9	203-279	Caught in Florence Lake by 2 gillnets; trout in good condition.	CDFG. 1973
Brown Trout	6/2/71	Present				14	241-330	Caught in Florence Lake by 3 gillnets; trout in poor condition.	CDFG. 1971
Rainbow Trout	6/2/71	Present				2	259-267	Caught in Florence Lake by 3 gillnets; trout in poor condition.	CDFG. 1971
Brown Trout	6/24/70	Present				4	292-333	Caught in Florence Lake by 1 gillnet.	CDFG. 1970b
Rainbow Trout	6/24/70	Present				2	175-234	Caught in Florence Lake by 1 gillnet.	CDFG. 1970b
Brown Trout	5/12/70	Present				12	286-400	Caught in Florence Lake by anglers; slightly thin in appearance.	CDFG. 1970b
Rainbow Trout	5/12/70	Present				10	232-260	Caught in Florence Lake by anglers; fish in good condition.	CDFG. 1970b

Table CAWG 7-Appendix C-30. Historical Fish Population Information for Florence Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brook Trout	7/12/69	Present				2	140-175	Caught in Florence Lake; 3 sampling gillnets set overnight.	CDFG. 1969
Brown Trout	7/12/69	Present				9	180-328	Caught in Florence Lake; 3 sampling gillnets set overnight.	CDFG. 1967
Brook Trout	5/7/68	Present				1	188	Caught in Florence Lake by 3 gillnets.	CDFG. 1968b
Brown Trout	5/7/68	Present				21	165-610	Caught in Florence Lake by 3 gillnets; trout in fair to poor condition.	CDFG. 1986b
Brown Trout	7/20/67	Present				52	155-356	Caught in Florence Lake by 3 gillnets.	CDFG. 1967
Brown Trout	8/2/65	Present				20	292	Caught in Florence Lake by 3 gillnets; only average length given.	CDFG. 1965
Brook Trout	9/3/64	Present				1	170	Caught in Florence Lake by 3 gillnets.	CDFG. 1974
Brown Trout	9/3/64	Present				26	158-351	Caught in Florence Lake by 3 gillnets.	CDFG. 1964
Brook Trout	7/23/64	Present				1	183	Caught in Florence Lake by 3 gillnets.	CDFG. 1964
Brown Trout	7/23/64	Present				17	180-325	Caught in Florence Lake by 3 gillnets.	CDFG. 1964

Table CAWG 7-Appendix C-30. Historical Fish Population Information for Florence Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout and Rainbow Trout	6/22/52	Present				75	305-381 of 25 fish	Caught in Florence Lake; 50:50 BWT: RT; 25 fish had lengths and weighed a lb. or more.	CDFG. 1952c
Brook Trout	9/17/37	Present						Rare in Florence Lake	CDFG. 1937a
Brown Trout	9/17/37	Present						Dominate fish in Florence Lake; fish look thin.	CDFG. 1937a
Rainbow Trout	9/17/37	Present						Rare in Florence Lake	CSFG. 1937a
Brown Trout	9/2/34	Present						BWT abundant in Florence Lake; many small 2 in. BWT seen near shore.	CDFG. 1937a
Brown Trout	7/26/34	Present						BWT have saturated Florence Lake - fish taken to 3 lbs.	CDFG. 1937a
Rainbow Trout	7/26/34	Present						Present in Florence Lake	CDFG. 1934d
Golden Shiner	as of 1987	Present						Present in Florence Lake	BSAI. 1987b

Table CAWG 7-Appendix C-31. Historical Fish Stocking Information for Bear Diversion Forebay.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1948		28	4,050	Huntington Lake	8/9/1948 - Stocked in Bear Creek Reservoir (Bear Dam)	CDFG. 1948a

Table CAWG 7-Appendix C-32. Historical Fish Population Information for Bear Diversion Forebay.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brook Trout	1934	Present						Brook Trout "did real well" at the dam, no quantification given	CDFG. 1934c
Brown Trout	1934	Present						Brown Trout "did real well" at the dam, no quantification given for all spp. (RT, BT, GT)	CDFG. 1934c
Brown Trout	6/1/71	Present						"Excellent population...in lower reaches", in Bear Creek Diversion Dam Lake	SCE. 1971
Golden Trout	6/1/71	Present						Population of Golden Trout in upper reaches, in Bear Creek Diversion Dam Lake	SCE. 1971
Golden Trout/Rainbow Trout Hybrids	6/1/71	Present						"Present in good numbers...in middle area", in Bear Creek Diversion Dam Lake	SCE. 1971
Rainbow Trout	6/1/71	Present						"Present in good numbers...in middle area", in Bear Creek Diversion Dam Lake	SCE. 1971

Table CAWG 7-Appendix C-33. Historical Fish Stocking by CDFG (or SCE) in Mono Creek between Vermilion Dam and Mono Diversion Forebay (1950-2000).

Date	Species	Size	Number	Hatchery
1950	RT	F	19,980	Huntington Lake
1950	RT	F	19,320	Kings River
1952	RT	F	15,120	Kings River
1956	RT	C	4,176	San Joaquin
1957	RT	C	4,685	San Joaquin
1958	RT	C	4,052	San Joaquin
1959	RT	C	4,380	San Joaquin
1960	RT	C	8,000	San Joaquin
1961	RT	C	6,725	San Joaquin
1962	RT	C	8,850	San Joaquin
1962	RT	C	1,000	SCE
1963	RT	C	8,866	San Joaquin
1963	RT	C	1,200	SCE
1964	RT	C	5,880	San Joaquin
1965	RT	C	5,712	San Joaquin
1966	RT and BK	C	14,114	San Joaquin
1966	RT	S	1,500	SCE
1967	RT	C	4,953	San Joaquin
1968	RT	C	11,612	San Joaquin
1969	RT	C	5,558	San Joaquin
1969	RT	C	800	SCE
1970	RT	C	6,500	San Joaquin
1971	RT	C	6,410	San Joaquin
1972	RT	C	10,220	San Joaquin
1973	RT	C	9,890	San Joaquin
1974	RT	C	5,550	San Joaquin
1975	RT	C	4,045	San Joaquin
1976	RT	C	9,680	San Joaquin
1977	RT	C	3,910	San Joaquin
1978	RT	C	4,020	San Joaquin
1979	RT	C	3,985	San Joaquin
1980	RT	C	5,330	San Joaquin
1981	RT	C	5,045	San Joaquin
1982	RT	C	4,530	San Joaquin
1983	RT	C	4,690	San Joaquin
1984	RT	C	5,040	San Joaquin
1985	RT	C	4,900	San Joaquin

Table CAWG-7-Appendix C-33. Historical Fish Stocking by CDFG (or SCE) in Mono Creek between Vermilion Dam and Mono Diversion Forebay (1950-2000) (Continued).

Date	Species	Size	Number	Hatchery
1986	RT	C	3,171	San Joaquin
1987	RT	C	5,440	San Joaquin
1988	RT	C	6,260	San Joaquin
1989	RT	C	6,285	San Joaquin
1990	RT	C	5,445	San Joaquin
1991	RT	C	4,725	San Joaquin
1992	RT	C	4,880	San Joaquin
1993	RT	C	3,460	San Joaquin
1994	RT	C	3,380	San Joaquin
1995	RT	C	2,755	San Joaquin
1996	RT	C	3,200	San Joaquin
1997	RT	C	3,510	San Joaquin
1998	RT	C	1,540	San Joaquin
1999	RT	C	4,100	San Joaquin
2000	RT	C	3,455	San Joaquin

Legend:

Species Codes

RT: rainbow trout

RT-C: rainbow trout, Coleman strain

RT-H: rainbow trout, Hot Creek strain

RT-K: rainbow trout, Kootney strain

RT-KJ: rainbow trout, Kamloops Junction strain

RT-S: rainbow trout, Shasta strain

RT-W: rainbow trout, Mt. Whitney strain

RT-KJxCT-L: rainbow trout, Kamloops Junction strain x Lahontan cutthroat trout hybrid

RT-KJxRT-S: rainbow trout, Kamloops Junction strain x rainbow trout, Shasta strain hybrid

RT-SxRT-C: rainbow trout, Shasta strain x rainbow trout, Coleman strain hybrid

RT-VxRT-H: hybrid

RT-WxRT-KJ: rainbow trout, Mt. Whitney strain rainbow trout x Kamloops Junction strain hybrid

BN: brown trout

BK: brook trout

Size: B: Broodstock, F: Fingerling, S: Sub-catchable, C: Catchable

Table CAWG 7-Appendix C-34. Historical Fish Population Information for Mono Diversion Forebay.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	as of 1971	Present						Commonly found in Mono Creek Diversion Dam Lake.	SCE. 1971
Rainbow Trout	as of 1971	Present						Commonly found in Mono Creek Diversion Dam Lake.	SCE. 1971

Table CAWG 7-Appendix C-35. Historical Fish Stocking Information for Mammoth Pool.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	2002	C ¹		3,800	San Joaquin		CDFG. 2002
Eagle Lake Trout	Madera	2002	F ²		20085	San Joaquin		CDFG. 2002
Rainbow Trout	Madera	2001	C ¹	2000	3,800	San Joaquin		CDFG. 2002
Rainbow Trout	Madera	2001	S ³	2175	20,010	San Joaquin		CDFG. 2002
Rainbow Trout	Madera	2000	C ¹	5650	24,275	San Joaquin		CDFG. 2002
Rainbow Trout	Madera	1999	C ¹	2000	4200	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout	Madera	1999	S ³	2600	20,166	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout	Madera	1998	C ¹	2000	3,800	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout	Madera	1998	S ³	3000	20,100	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout	Madera	1997	C ¹	2000	3,600	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout-Coleman Strain	Madera	1997	S ³	2120	20,146	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout	Madera	1996	C ¹		4,000	San Joaquin		CDFG. 1999b
Rainbow Trout, Whitney X Kamloops Strain	Madera	1996	F ²	482	38,078	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout-Coleman Strain	Madera	1996	S ³	3700	27,480	San Joaquin		CDFG. 1999b & CDFG. 2002
Rainbow Trout	Madera	1995	C ¹		3,400	San Joaquin		CDFG. 1999b

Table CAWG 7-Appendix C-35. Historical Fish Stocking Information for Mammoth Pool (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	1995	S ³		22,680	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1994	C ¹		4,400	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1994	F ²		23,140	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1994	S ³		20,250	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1993	C ¹		10,200	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1993	S ³		42,800	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1992	C ¹		11,900	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1991	C ¹		5,680	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1990	C ¹		23,800	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1990	S ³		10,000	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1989	C ¹		21,940	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1988	C ¹		10,275	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1988	S ³		10,004	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1987	C ¹		5,400	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1987	C ¹		2,925	Moccasin		CDFG. 1999b
Rainbow Trout	Madera	1987	S ³		10,000	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1987	S ³		10,000	Moccasin		CDFG. 1999b
Rainbow Trout	Madera	1986	C ¹		9,300	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1985	C ¹		12,600	San Joaquin		CDFG. 1999b

Table CAWG 7-Appendix C-35. Historical Fish Stocking Information for Mammoth Pool (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	1984	C ¹		13,480	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1983	C ¹		13,060	San Joaquin		CDFG. 1999b
Brook Trout	Madera	1983	F ²		30,778	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1983	F ²		9,500	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1982	C ¹		12,800	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1981	C ¹		12,000	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1980	C ¹		12,031	San Joaquin		CDFG. 1999b
Brook Trout	Madera	1980	F ²		108,724	San Joaquin		CDFG. 1999b
Brook Trout	Madera	1979	C ¹		33,900	San Joaquin		CDFG. 1999b
Brook Trout	Madera	1979	F ²		55,575	San Joaquin		CDFG. 1999b
Brook Trout	Madera	1977	C ¹		27,200	San Joaquin		CDFG. 1999b
Coho Salmon	Madera	1977	F ²		50,250	San Joaquin		CDFG. 1999b
Brook Trout	Madera	1977	S ³		42,000	Moccasin		CDFG. 1999b
Eagle Lake Trout	Madera	1976	C ¹		37000	Moccasin		CDFG. 1999b
Rainbow Trout	Madera	1976	C ¹		47575	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1976	F ²		146952	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1975	C ¹		52910	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1974	C ¹		33030	San Joaquin		CDFG. 1999b
Coho Salmon	Madera	1974	F ²		35000	Moccasin		CDFG. 1999b

Table CAWG 7-Appendix C-35. Historical Fish Stocking Information for Mammoth Pool (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	1974	F ²		100000	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1973	C ¹		39455	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1972	C ¹		51456	San Joaquin		CDFG. 1999b
Coho Salmon	Madera	1972	F ²		40250	Moccasin		CDFG. 1999b
Rainbow Trout	Madera	1971	C ¹		42254	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1970	C ¹		35622	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1970	F ²		39000	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1969	C ¹		50640	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1969	F ²		140560	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1969	S ³		2525	San Joaquin		CDFG. 1999b
Rainbow Trout-Shasta Strain	Madera	1968	F ²		79992	San Joaquin		CDFG. 1999b
Rainbow Trout Hot Creek x Virginia Strain	Madera	1968			769	San Joaquin		CDFG. 1999b
Rainbow Trout-Shasta Strain	Madera	1965	C ¹		19956	San Joaquin		CDFG. 1999b
Rainbow Trout-Kamloops Strain	Madera	1965	F ²		12482	Moccasin		CDFG. 1999b
Rainbow Trout-Whitney Strain	Madera	1965	F ²		9980	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1963	F ²		23727	Moccasin		CDFG. 1999b
Rainbow Trout	Madera	1963	F ²		24483	San Joaquin		CDFG. 1999b

Table CAWG 7-Appendix C-35. Historical Fish Stocking Information for Mammoth Pool (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Madera	1962	F ²		50000	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1961	F ²		93600	San Joaquin		CDFG. 1999b
Rainbow Trout	Madera	1960	F ²		562500	San Joaquin		CDFG. 1999b

- 1 Fingerling
- 2 Catchable
- 3 Subcatchable
- 4 Brood Stock

Table CAWG 7-Appendix C-36. Historical Fish Population Information for Mammoth Pool Reservoir.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	1998	present						p. 2-147	SCE. 2000b
Rainbow Trout	1998	present						p. 2-147	SCE. 2000b
Brook trout	1998	present						p. 2-147	SCE. 2000b
Golden Shiner	1998	present						p. 2-147	SCE. 2000b
Sacramento sucker	1998	probably present						p. 2-147	SCE. 2000b
Rainbow Trout	1972-1977	present				615		p. 2-29, 92% of fish caught in several creel censuses	BASI. 1987b
Brown Trout	1972-1977	present				29		p. 2-29, 4% of fish caught in several creel censuses	BASI. 1987b
Brook Trout	1972-1977	present				2		p. 2-29, >1% of fish caught in several creel censuses	BASI. 1987b
Silver salmon (coho)	1972-1977	present				22		p. 2-29, 3% of fish caught in several creel censuses	BASI. 1987b
Brown Trout	1968-1969	present						p. 2-29, 62% of fish caught in gill nets	BASI. 1987b

Table CAWG 7-Appendix C-36. Historical Fish Population Information for Mammoth Pool Reservoir (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	1968-1969	present						p. 2-29, 24% of fish caught in gill nets	BASI. 1987b
Brook Trout	1968-1969	Present						p. 2-29, 8% of fish caught in gill nets	BASI. 1987b
Golden Shiner	1968-1969	Present						p. 2-29, 6% of fish caught in gill nets	BASI. 1987b
Rainbow Trout	4/68	Present				692		p. 2-29, 80% of fish caught in creel census	BASI. 1987b
Brown Trout	4/68	Present				121		p. 2-29, 14% of fish caught in creel census	BASI. 1987b
Brook Trout	4/68	Present				51		p. 2-29, 6% of fish caught in creel census	BASI. 1987b
Rainbow Trout	08/24/1946	Present				5	177.8-279.4	Catch of CK Fisher Jr. in Mammoth Pool	CDFG. 1946a
Rainbow Trout	09/01/1946	Present				15	177.8-292.1	Catch of one man on SJR from SFSJR confl to 0.5 mi upstream	CDFG. 1946b
Rainbow Trout	8/45	Present	2.7			2	508-635	Caught on SJR below the Mammoth Pool	Fresno Bee. 1945

Table CAWG 7-Appendix C-36. Historical Fish Population Information for Mammoth Pool Reservoir (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	5/45	Present	1.8			1		Mr. Harris caught in Mammoth Pool	Fresno Bee. 1945
Rainbow Trout	08/21/1943	Present				15	127-304.8	Catch of one man at China Bar	CDFG. 1943
Brown Trout	08/21/1943	Present				7	152.4-304.8	Catch of one man at China Bar	CDFG. 1943

Table CAWG 7-Appendix C-37. Historical Fish Stocking Information for San Joaquin River Dam 6 Forebay.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1979			1,700	SCE		BSAI. 1987b
Rainbow Trout	Fresno	post-1979					"Additional fish (rainbows) have been planted in subsequent years but records are not available."	BSAI. 1987b

Table CAWG 7-Appendix C-38. Historical Fish Population Information for San Joaquin River Dam 6 Forebay.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	1987	Present							BASI. 1987b
Brown Trout	1987	Present							BASI. 1987b
Sacramento Sucker	1987	Present						spawn in the San Joaquin River above the lake	BASI. 1987b
Brook Trout	1987	Possibly present							BASI. 1987b

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Kokanee Salmon	Fresno	2002	F ¹		10,428	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	2002	C ²		34,600	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	2001	F ¹	77	10,087	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	2001	C ²	19,400	37,080	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	2000	C ²	14,850	26,470	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1999	C ²	16,000	27,800	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1999	F	1031	92,034	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1999	C ²	720	450	Big Creek		CDFG. 2002
Rainbow Trout	Fresno	1998	C ²		25,200	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1997	F ¹		37,140	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1997	C ²		26,850	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1997	F ¹		59,343	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1996	F ¹		49,761	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1996	C ²		38,830	San Joaquin		CDFG. 2002
KOK-BL	Fresno	1995	F ¹		38,115	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1995	C ²		39,300	San Joaquin		CDFG. 2002
KOK-BL	Fresno	1994	F ¹		7,600	San Joaquin		CDFG. 2002
KOK-RJC	Fresno	1994	F ¹		36,302	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1994	C ²		39,940	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1994	F ¹		73,140	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1993	C ²		40,700	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1993	B ³		462	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1992	C ²		23,400	San Joaquin		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Kokanee Salmon	Fresno	1992	F ¹		33,635	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1992	C ²		30950	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1992	B ³		20	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1992	C ²		30,950	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1992	F ¹		211,246	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1991	C ²		50350	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1991	F ¹		18795	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1991	B		950	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1991	C ²		50,350	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1991	F ¹		18,795	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1990	S ⁴		4840	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1990	S ⁴		480	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1990	F ¹		60,000	Silverado FB		CDFG. 2002
Rainbow Trout	Fresno	1990	C ²		94460	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1990	F ¹		107164	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1990	C ²		94,460	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1990	F ¹		104,164	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1990	6-8 in	741	2,594	SCE	near dam 1-10/11	SCE. 1990
Rainbow Trout	Fresno	1990	6-8 in	647	2,960	SCE	near the Marina-10/11	SCE. 1990
Rainbow Trout	Fresno	1990	6-8 in	354	1,416	SCE	near the Marina-10/12	SCE. 1990
Brook Trout	Fresno	1989	B ³		1,050	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1989	F ¹		72,450	Silverado FB		CDFG. 2002
Rainbow Trout	Fresno	1989	F ¹		111,600	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1989	C ²		100,400	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1989	F ¹		111,600	San Joaquin		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout, Whitney Strain	Fresno	1989	C ²		100,400	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1988	C ²		76,180	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1988	C ²		76,180	San Joaquin		CDFG. 2002
Rainbow Trout, Whitney Strain	Fresno	1988	F ¹		284,760	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	F ¹		244,160	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	B ³		1,363	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	C ²		66,300	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	C ²		8,100	SCE		CDFG. 2002
Rainbow Trout	Fresno	1987	F ¹		244,160	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	B ³		1,363	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	C ²		66,300	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1987	C ²		8,100	SCE		CDFG. 2002
Kokanee Salmon	Fresno	1986	F ¹		162,000	Silverado FB		CDFG. 2002
Rainbow Trout	Fresno	1986	C ²		77,935	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1986	F ¹		123,200	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1986	C ²		77,935	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1986	F ¹		123,200	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1985	C ²		15,930	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1985	F ¹		149,000	Silverado FB		CDFG. 2002
Rainbow Trout	Fresno	1985	C ²		42,460	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1985	F ¹		40,192	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1985	C ²		4,000	SCE		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1985	C ²		42,460	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1985	F ¹		40,192	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1985	C ²		4,000	SCE		CDFG. 2002
Brown Trout	Fresno	1984	S ⁴		500	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1984	F ¹		1,536,000	SFB		CDFG. 2002
Rainbow Trout	Fresno	1984	B ³		300	SCE		CDFG. 2002
Rainbow Trout	Fresno	1984	C ²		74,200	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1984	C ²		74,200	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1983	F ¹		150,720	SFB		CDFG. 2002
Rainbow Trout	Fresno	1983	C ²		90,250	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1983	F ¹		50,400	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1983	F ¹		20,400	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1982	F ¹		960	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1982	F ¹		100,035	SFB		CDFG. 2002
Rainbow Trout	Fresno	1982	C ²		62,450	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1982	F ¹		2,100	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1981	F ¹		50,007	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1981	F ¹		72,000	Moccasin		CDFG. 2002
Rainbow Trout	Fresno	1981	C ²		84,150	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1980	F ¹		100,705	Moccasin		CDFG. 2002
Rainbow Trout	Fresno	1980	C ²		85,170	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1979	C ²		6,800	San Joaquin		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Kokanee Salmon	Fresno	1979	F ¹		50,400	Moccasin		CDFG. 2002
Rainbow Trout	Fresno	1979	C ²		83,785	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1978	C ²		82,200	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1977	C ²		69,050	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1977	F ¹		19,730	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1977	F ¹		76,800	Moccasin		CDFG. 2002
Rainbow Trout	Fresno	1977	C ²		64,100	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1976	C ²		89,780	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1976	F ¹		101,500	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1976	F ¹		60,000	Moccasin		CDFG. 2002
Brook Trout	Fresno	1975	C ²		103,500	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1975	F ¹		97,280	Moccasin		CDFG. 2002
Kokanee Salmon	Fresno	1974	F ¹		67,200	Moccasin		CDFG. 2002
Rainbow Trout	Fresno	1974	C ²		98,740	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1973	C ²		83,368	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1972	C ²		119,400	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1972	F ¹		21,706	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1972	F ¹		120,000	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1971	C ²		87,832	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1971	S ⁴		11,475	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1970	C ²		69,768	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1969	C ²		66,199	San Joaquin		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1969	S ⁴		7,200	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1969	C ²	ad clip	7,210	SCE		CDFG. 2002
Rainbow Trout	Fresno	1968	C ²		110,037	San Joaquin		CDFG. 2002
Rainbow Trout, Shasta Strain	Fresno	1968	S		20,019	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1967	F ¹		308,000	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1967	S ⁴		19,892	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1967	C ²		68,021	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1966	S ⁴		19,992	San Joaquin		CDFG. 2002
Rainbow and Brook Trout	Fresno	1966	C ²		127,154	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1965	F ¹		83,200	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1965	C ²		45,845	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1965	S ⁴		20,704	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1964	F ¹		77,000	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1964	C ²		72,066	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1964	S ⁴		10,069	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1963	F ¹		75,020	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1963	C ²		66,726	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1963	S ⁴		15,810	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1963	C ²		1,500	SCE		CDFG. 2002
Kokanee Salmon	Fresno	1962	F ¹		75,000	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1962	S ⁴		15,008	San Joaquin		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1962	C ²		64,912	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1962	F ¹		32,000	San Joaquin		CDFG. 2002
Kokanee Salmon	Fresno	1961	F ¹		75,000	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1961	C ²		79,605	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1961	S ⁴		16,525	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1960	C ²		70,760	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1960	S ⁴		14,930	Sequoia		CDFG. 2002
Kokanee Salmon	Fresno	1959	F ¹		109,550	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1959	C ²		65,100	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1959	S ⁴		15,004	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1958	C ²		69,890	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1958	S ⁴		15,912	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1957	C ²		82,205	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1957	S ⁴		12,800	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1956	C ²		61,606	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1956	S ⁴		29,655	Sequoia/ San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1955	C ²		34,544	Sequoia/ San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1954	C ²		1,250	Buckeye Pond		CDFG. 2002
Rainbow Trout	Fresno	1954	C ² (F ¹)		32,234	Sequoia		CDFG. 2002
Rainbow Trout, Shasta Strain	Fresno	1954	C ² (S ¹)		24,544	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1953	C ²		3,850	Buckeye Pond		CDFG. 2002
RT-F	Fresno	1953	C ²		31,882	Sequoia		CDFG. 2002

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout, Shasta Strain	Fresno	1953	C ²		20,410	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1952	C ²		19,820	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1952	F ¹	19798	40,001	Sequoia	9/22-9/26 - 1/4 mile E. Home Creek N. side of Lake	Fresno County. 1940-1969
Rainbow Trout	Fresno	1952	C ²	3100	19,820	Sequoia	6/4-8/8 - Near Home Camp abut 1/2 mi. NE	Fresno County. 1940-1969
Rainbow Trout, Whitney Strain	Fresno	1952	F ¹		40,004	Sequoia		CDFG. 2002
Brook Trout	Fresno	1951	F ¹		19,890	Kings River		CDFG. 2002
Brook Trout	Fresno	1951	F ¹		9,240	Madera		CDFG. 2002
Brook Trout	Fresno	1951	26 /oz.	48	19,890	Kings River	7/2-7/3 - 1/4 mi. below HL Guard Sta.	Fresno County. 1940-1953
Brook Trout	Fresno	1951	15 /oz	48	9,240	Madera	8/31 -North Shore	Fresno County. 1940-1954
Rainbow Trout	Fresno	1951	C ²		52,187	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1951	8.5 /lb	6280	52,187	Sequoia	5/19-9/27 - Will O'The Wisp Lakeshore Resort	Fresno County. 1940-1969
Brook Trout	Fresno	1950	F ¹		23,625	Kaweah		CDFG. 2002
Brook Trout	Fresno	1950	15 /oz	98.5	23,625	Kaweah	08-Jul	Fresno County. 1940-1952
Rainbow Trout	Fresno	1950	C ²		20,990	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1950	F ¹		31,728	Sequoia		CDFG. 2002
Rainbow Trout	Fresno	1950	5-8.3 /lb	3350	20,990	Sequoia	5/19-8/3 - 9 plants	Fresno County. 1940-1969
Rainbow Trout	Fresno	1950	2 /oz	1020	31,728	Sequoia	9/10-9/12 - 4 plants	Fresno County. 1940-1969
Rainbow Trout	Fresno	1949	6-7.8 /lb	187.5	20,380	Sequoia	5/24-7/20 -9 plants	Fresno County. 1940-1968
Rainbow Trout	Fresno	1949	1.8/oz	1900	54,720	Sequoia	9/25-9/27- 8 plants	Fresno County. 1940-1969

Table CAWG 7-Appendix C-39. Historical Fish Stocking Information for Huntington Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1948	1.4-1.8 /oz	1300	33,060	Sequoia	10/1-10/7 - 10 plants	Fresno County. 1940-1967
Rainbow Trout	Fresno	1947	1.5-2.0/oz	1470	40,400	Sequoia	9/16-10/16 - 6 plants	Fresno County. 1940-1966
Rainbow Trout	Fresno	1946	1-1.5 /oz	885	19,720	Sequoia	5/22-5/26 - 6 plants	Fresno County. 1940-1964
Rainbow Trout	Fresno	1946	2.4-3.5/oz	862.5	37,100	Sequoia	9/17-9/20 - 4 plants	Fresno County. 1940-1965
Rainbow Trout	Fresno	1945	1.1-1.3/oz	2405	39,606	Sequoia	5/9-5/22 -22 plants	Fresno County. 1940-1963
Rainbow Trout	Fresno	1944	1.4-2/oz	1327.5	40,000	Sequoia	6/12-6/19 -14 plants	Fresno County. 1940-1962
Rainbow Trout	Fresno	1943	0.06-1/oz	2636	31,989	Sequoia	4/19-5/7- 37 plants	Fresno County. 1940-1960
Rainbow Trout	Fresno	1943	13.5/oz	38	8,235	Kings River	14-Jul	Fresno County. 1940-1961
Rainbow Trout	Fresno	1942	30-40/oz	241	151,200	Kings River	5/28-6/15 - 8 plants	Fresno County. 1940-1957
Rainbow Trout	Fresno	1942	14/oz	111.25	24,920	Huntington Lake	17-Aug	Fresno County. 1940-1958
Rainbow Trout	Fresno	1942	3.7/oz	130	7,696	Sequoia	02-Oct	Fresno County. 1940-1959
Rainbow Trout	Fresno	1941	33-39/oz	203	111,195	Kings River	5/23-6/12 -5 plants	Fresno County. 1940-1955
Rainbow Trout	Fresno	1941	1.05-1.5/oz	772.5	15,492	Sequoia	10/21-11/6 - 8 plants	Fresno County. 1940-1956
Rainbow Trout	Fresno	1940	22-34/oz	20	111,735	Kings River	6/7-7/1/1940-10 plants	Fresno County. 1940-1952
Rainbow Trout	Fresno	1940	10.5/oz	211	35,385	Huntington Lake	8/19 -1 plant	Fresno County. 1940-1953
Rainbow Trout	Fresno	1940	2.25/oz	170	6,110	Sequoia	11/29-1 plant	Fresno County. 1940-1954

- 1 Fingerling
- 2 Catchable
- 3 Brood Stock
- 4 Subcatchable

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	7/3/81	Present				3	310-396	Gill net sampling.	CDFG. 1957-1982
Kokanee	7/3/81	Present				1	173	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	7/3/81	Present				22	163-300	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	7/3/81	Present				20	168-351	Gill net sampling.	CDFG. 1957-1982
Brown Trout	11/21/80	Present				7	325-340	Gill net sampling.	CDFG. 1957-1982
Kokanee	11/21/80	Present				11	198-300	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	11/21/80	Present				8	178-274	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	11/21/80	Present				58	168-366	Gill net sampling.	CDFG. 1957-1982
Brown Trout	10/24/80	Present				3	269-660	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	10/24/80	Present				4	173-259	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	10/24/80	Present				64	168-483	Gill net sampling.	CDFG. 1957-1982
Brown Trout	8/7/80	Present				1	234	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	8/7/80	Present				2	239-285	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	8/7/80	Present				29	158-340	Gill net sampling.	CDFG. 1957-1982
Brown Trout	11/30-12/1/78	Present				8	200-410	Gill net sampling.	CDFG. 1964-1978
Kokanee	11/30-12/1/78	Present				22	190-390	Gill net sampling.	CDFG. 1964-1978

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Sacramento Sucker	11/30-12/1/78	Present				33	220-420	Gill net sampling.	CDFG. 1964-1978
Brown Trout	08/78	Present				1		Caught by anglers (creel census).	CDFG. 1957-1978
Kokanee	08/78	Present				11		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	08/78	Present				198		Caught by anglers (creel census).	CDFG. 1957-1978
Brook Trout	6/24/78	Present				1		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	6/24/78	Present				1		Caught by anglers (creel census).	CDFG. 1957-1978
Kokanee	6/24/78	Present				12		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	6/24/78	Present				23		Caught by anglers (creel census).	CDFG. 1957-1978
Brook Trout	7/18/74	Present				1	310	Gill net sampling.	CDFG. 1957-1982
Brown Trout	7/18/74	Present				8	290-368	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	7/18/74	Present				17	150-234	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	7/18/74	Present				108	152-470	Gill net sampling.	CDFG. 1957-1982
Brown Trout	7/17/74	Present				3	292-376	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	7/17/74	Present				5	163-252	Gill net sampling.	CDFG. 1957-1982
Brown Trout	7/16/74	Present				8	290-391	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	7/16/74	Present				1	224	Gill net sampling.	CDFG. 1957-1982

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Sacramento Sucker	7/16/74	Present				21	137-310	Gill net sampling.	CDFG. 1957-1982
Brook Trout	8/25/73	Present				78		Creel census.	CDFG. 1957-1978
Brook Trout	8/25-26/73	Present				33	273*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brown Trout	8/25-26/73	Present				1	343*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Sacramento Sucker	8/25-26/73	Present				18	340*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/24-25/73	Present				10	238*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brown Trout	8/24-25/73	Present				3	393*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Sacramento Sucker	8/24-25/73	Present				7	300*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/23-24/73	Present				7	278*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Sacramento Sucker	8/23-24/73	Present				3	328*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/22-23/73	Present				9	263*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brown Trout	8/22-23/73	Present				2	603*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Kokanee	8/22-23/73	Present				1	313*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Sacramento Sucker	8/22-23/73	Present				10	300*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/21-22/73	Present				11	238*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brown Trout	8/21-22/73	Present				3	270*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Sacramento Sucker	8/21-22/73	Present				3	295*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/20-21/73	Present				22	283*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brown Trout	8/20-21/73	Present				4	395*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Sacramento Sucker	8/20-21/73	Present				13	283*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/19-20/73	Present				8	240*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brown Trout	8/19-20/73	Present				1	275	Gill net sampling.	CDFG. 1969 & 1974
Sacramento Sucker	8/19-20/73	Present				5	250*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Kokanee	8/25/73	Present				1		Creel census.	CDFG. 1969 & 1974
Brook Trout	8/24/73	Present				3	278*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/24/73	Present				3		Creel census, in Rancheria Cove.	CDFG. 1969 & 1974
Kokanee	8/24/73	Present				1		Creel census, in Rancheria Cove.	CDFG. 1969 & 1974
Sacramento Sucker	8/24/73	Present				5	335*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Sacramento Sucker	8/24/73	Present				1		Creel census, in Rancheria Cove.	CDFG. 1969 & 1974
Brook Trout	8/23/73	Present				3	295*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	8/23/73	Present				6		Creel census, near main dam.	CDFG. 1969 & 1974
Brown Trout	8/23/73	Present				1	475*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Sacramento Sucker	8/23/73	Present				1	225*****	Gill net sampling. *****Mean Length.	CDFG. 1969 & 1974
Brook Trout	7/11/73	Present				38	145-300	Gill net sampling.	CDFG. 1964-1978
Brown Trout	7/11/73	Present				3	563-800	Gill net sampling.	CDFG. 1964-1978
Sacramento Sucker	7/11/73	Present				15	163-350	Gill net sampling.	CDFG. 1964-1978
Brook Trout	7/7/73	Present				234		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	7/7/73	Present				5		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	04/72	Present				5		Caught by anglers (creel census).	CDFG. 1957-1978
Brook Trout	5/24-25/72	Present				5	495-559	Gill net sampling.	CDFG. 1957-1982
Brown Trout	5/24-25/72	Present				3	457-699	Gill net sampling.	CDFG. 1957-1982
Kokanee	5/24-25/72	Present				1	546	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	5/24-25/72	Present				1	533	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	5/24-25/72	Present				34	432-1143	Gill net sampling.	CDFG. 1957-1982
Brown Trout	9/14-15/70	Present				4	173-381	Gill net sampling.	CDFG. 1957-1982
Kokanee	9/14-15/70	Present				4	208-338	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	9/14-15/70	Present				60	175-465	Gill net sampling.	CDFG. 1957-1982
Brown Trout	9/23-24/69	Present				1	394	Gill net sampling.	CDFG. 1957-1982
Kokanee	9/23-24/69	Present				2	279-292	Gill net sampling.	CDFG. 1957-1982

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	9/23-24/69	Present				13	130-508	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	9/23-24/69	Present				56	180-401	Gill net sampling.	CDFG. 1957-1982
Brown Trout	6/18-19/69	Present				2	259-305	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	6/18-19/69	Present				2	191-216	Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	6/18-19/69	Present				58	216-361	Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	7/16/69	Present				2	102-150	Electrofishing.	CDFG. 1969 & 1974
Sacramento Sucker	7/16/69	Present				7	79-302	Electrofishing.	CDFG. 1969 & 1974
Brook Trout	06/68	Present				(658)****		Caught by anglers (creel census).****Combined total caught from 6/20/68-6/30/68	CDFG. 1957-1978
Brown Trout	06/68	Present				(73)****		Caught by anglers (creel census).****Combined total caught from 6/20/68-6/30/68	CDFG. 1957-1978
Kokanee	06/68	Present				(180)****		Caught by anglers (creel census).****Combined total caught from 6/20/68-6/30/68	CDFG. 1957-1978
Rainbow Trout	06/68	Present				(7194)****		Caught by anglers (creel census).****Combined total caught from 6/20/68-6/30/68	CDFG. 1957-1978

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	10/65	Present				1		Caught by anglers (creel census).	CDFG. 1957-1978
Kokanee	10/65	Present				1		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	10/65	Present				120		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	09/65	Present				378		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	08/65	Present				4		Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	08/65	Present				45		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	12/64	Present				8	358***	Gill net sampling. ***Mean length.	CDFG. 1957-1982
Kokanee	12/64	Present				46	279***	Gill net sampling. ***Mean length.	CDFG. 1957-1982
Rainbow Trout	12/64	Present				64	254***	Gill net sampling. ***Mean length.	CDFG. 1957-1982
Sacramento Sucker	12/64	Present				61	508***	Gill net sampling. ***Mean length (approximate).	CDFG. 1957-1982
Brook Trout	10/64	Present				1		Gill net sampling.	CDFG. 1957-1982
Brown Trout	10/64	Present				18		Gill net sampling.	CDFG. 1957-1982
Kokanee	10/64	Present				1		Gill net sampling.	CDFG. 1957-1982
Rainbow Trout	10/64	Present				45		Gill net sampling.	CDFG. 1957-1982
Sacramento Sucker	10/64	Present				179		Gill net sampling.	CDFG. 1957-1982
Brown Trout	7/15-16/64	Present				6	229-556	Gill net sampling.	CDFG. 1964-1978

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	7/15-16/64	Present				7	147-307	Gill net sampling.	CDFG. 1964-1978
Sacramento Sucker	7/15-16/64	Present				115	147-333	Gill net sampling.	CDFG. 1964-1978
Rainbow Trout	9/3/64	Present				6		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	09/64	Present				6**		Gill net sampling. **Approximate number caught.	CDFG. 1957-1982
Kokanee	09/64	Present				Large number		Gill net sampling. No quantification provided.	CDFG. 1957-1982
Sacramento Sucker	09/64	Present				168**		Gill net sampling. **Approximate number caught.	CDFG. 1957-1982
Brown Trout	10/17-18/57	Present				14	(292-762)*	Gill net sampling. *Lengths given from both Sept. and Oct. samples.	CDFG. 1957-1982
Rainbow Trout	10/17-18/57	Present				3	(178-279)*	Gill net sampling. *Lengths given from both Sept. and Oct. samples.	CDFG. 1957-1982
Sacramento Sucker	10/17-18/57	Present				37	(152-178)*	Gill net sampling. *Lengths given from both Sept. and Oct. samples.	CDFG. 1957-1982
Rainbow Trout	7/27/57	Present				57		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	6/9/57	Present				5		Caught by anglers (creel census).	CDFG. 1957-1978

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	6/9/57	Present				392		Caught by anglers (creel census).	CDFG. 1957-1978
Sacramento Sucker	6/9/57	Present				3		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	5/29/57	Present				2	152-203	Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	5/29/57	Present				126		Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	4/28/57	Present				5	229-292	Caught by anglers (creel census).	CDFG. 1957-1978
Rainbow Trout	4/28/57	Present				70	51-292	Caught by anglers (creel census).	CDFG. 1957-1978
Brown Trout	5/23/49	Present				1	787	Largest BWT caught - 13 lbs, 31".	Fresno Bee. 1949
Rainbow Trout	6/30/43	Present					178	Reported by anglers - large numbers RT taken.	Dill. 1943b
Brown Trout	9/11/37	Present				1	406		CDFG. 1937b
Rainbow Trout	9/11/37	Present				4	140-406		CDFG. 1937b
Brook Trout	8/28-29/34	Present						Lake survey; recommend stocking RT; seen in Deer Cr.	CDFG. 1934e
Brown Trout	8/28-29/34	Abundant						Lake survey; recommend stocking RT.	CDFG. 1934e
Kokanee	8/28-29/34	Present						Lake survey; recommend stocking RT.	CDFG. 1934e

Table CAWG 7-Appendix C-40. Historical Fish Population Information for Huntington Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	8/28-29/34	Abundant						Lake survey; recommend stocking RT.	CDFG. 1934e
Sacramento Sucker	8/28-29/34	Present						Lake survey; recommend stocking RT.	CDFG. 1934e
Brook Trout	7/3/34	Present						Lake survey; recommend stocking BWT & RT.	CDFG. 1934e
Brown Trout	7/3/34	Present						Lake survey; recommend stocking BWT & RT.	CDFG. 1934e
Rainbow Trout	7/3/34	Present						Lake survey; recommend stocking BWT & RT.	CDFG. 1934e

Table CAWG 7-Appendix C-41. Historical Fish Population Information for Big Creek Dam 4 Forebay.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	1987	Present				see comments		p. 2-41: "large rainbow trout have been known to escape from [the SCE hatchery] and enter the adjacent [Dam 4] forebay."	BSAI. 1987b
Brown Trout	1987	Likely present						p. 2-41: Likely present, but have not been captured.	BSAI. 1987b
Brook Trout	1987	Likely present						p. 2-41: Likely present, but have not been captured.	BSAI. 1987b

Table CAWG 7-Appendix C-42. Historical Fish Stocking Information for Big Creek Dam 5 Forebay.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1979			1,600	SCE	p. 2-41	BSAI. 1987b

Table CAWG 7-Appendix C-43. Historical Fish Population Information for Big Creek Dam 5 Forebay.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brown Trout	1987	Likely present						p. 2-41: Likely present, but have not been captured.	BSAI. 1987b
Brook Trout	1987	Likely present						p. 2-41: Likely present, but have not been captured.	BSAI. 1987b

Table CAWG 7-Appendix C-44. Historical Fish Stocking Information for Balsam Meadow Forebay.

Species	County	Year	Size (Length [mm])	Pounds	Number. of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1999	C	170		SCE	Balsam Forebay	CDFG. 2002

C = Catchables

Table CAWG 7-Appendix C-45. Historical Fish Population Information for Balsam Meadow Forebay.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Brook Trout	6/11/92	Present				1	280	Entrainment results.	ENTRIX. 1992b
Prickly Sculpin	6/11/92	Present				20	15	Entrainment results.	ENTRIX. 1992b
Brook Trout	6/10/92	Present				2		Entrainment results.	ENTRIX. 1992b
Green Sunfish	6/10/92	Present				1	50	Entrainment results.	ENTRIX. 1992b
Prickly Sculpin	6/10/92	Present				1	20	Entrainment results.	ENTRIX. 1992b
Brook Trout	6/9/92	Present				2	240	Entrainment results.	ENTRIX. 1992b
Brown Bullhead	6/9/92	Present				1	62	Entrainment results.	ENTRIX. 1992b
Brown Trout	6/9/92	Present				2		Entrainment results.	ENTRIX. 1992b
Carp	6/9/92	Present				1		Entrainment results.	ENTRIX. 1992b
Golden Shiner	6/9/92	Present				1	35	Entrainment results.	ENTRIX. 1992b
Green Sunfish	6/9/92	Present				2	46	Entrainment results.	ENTRIX. 1992b
Prickly Sculpin	6/9/92	Present				1	41	Entrainment results. Juvenile lifestage.	ENTRIX. 1992b
Prickly Sculpin	6/9/92	Present				1	19	Entrainment results. Larval lifestage.	ENTRIX. 1992b
Rainbow Trout	6/9/92	Present				3		Entrainment results.	ENTRIX. 1992b
Kokanee	12/20/91	Present				1		Entrainment results.	ENTRIX. 1991e
Kokanee	12/19/91	Present				1		Entrainment results.	ENTRIX. 1991e

Table CAWG 7-Appendix C-45. Historical Fish Population Information for Balsam Meadow Forebay (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Kokanee	12/18/91	Present				1		Entrainment results.	ENTRIX. 1991e
Black Crappie	10/28/91	Present				3	85	Entrainment results.	ENTRIX. 1991d
Brown Trout	10/28/91	Present				1		Entrainment results.	ENTRIX. 1991d
Golden Shiner	10/28/91	Present				1	68	Entrainment results.	ENTRIX. 1991d
Green Sunfish	10/28/91	Present				32	34	Entrainment results.	ENTRIX. 1991d
Kokanee	10/28/91	Present				4		Entrainment results.	ENTRIX. 1991d
Prickly Sculpin	10/28/91	Present				1	91	Entrainment results.	ENTRIX. 1991d
Rainbow Trout	10/28/91	Present				1	280	Entrainment results.	ENTRIX. 1991d
Black Crappie	10/27/91	Present				3	85	Entrainment results.	ENTRIX. 1991d
Green Sunfish	10/27/91	Present				10	30	Entrainment results.	ENTRIX. 1991d
Kokanee	10/27/91	Present				4		Entrainment results.	ENTRIX. 1991d
Prickly Sculpin	10/27/91	Present				2	90	Entrainment results.	ENTRIX. 1991d
Black Crappie	10/26/91	Present				1	74	Entrainment results.	ENTRIX. 1991d
Green Sunfish	10/26/91	Present				5	32	Entrainment results.	ENTRIX. 1991d
Kokanee	10/26/91	Present				6		Entrainment results.	ENTRIX. 1991d
Rainbow Trout	10/26/91	Present				2	252	Entrainment results.	ENTRIX. 1991d
Carp	9/20/91	Present				3		Entrainment results.	ENTRIX. 1991c
Green Sunfish	9/20/91	Present				1	22	Entrainment results.	ENTRIX. 1991c

Table CAWG 7-Appendix C-45. Historical Fish Population Information for Balsam Meadow Forebay (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Kokanee	9/20/91	Present				1		Entrainment results.	ENTRIX. 1991c
Rainbow Trout	9/20/91	Present				1	220	Entrainment results.	ENTRIX. 1991c
Green Sunfish	9/19/91	Present				14	22	Entrainment results.	ENTRIX. 1991c
Rainbow Trout	9/19/91	Present				1		Entrainment results.	ENTRIX. 1991c
Carp	9/17/91	Present				1		Entrainment results.	ENTRIX. 1991c
Green Sunfish	9/17/91	Present				11	26	Entrainment results.	ENTRIX. 1991c
Kokanee	9/17/91	Present				3		Entrainment results.	ENTRIX. 1991c
Carp	8/16/91	Present				2	50	Entrainment results.	ENTRIX. 1991b
Green Sunfish	8/16/91	Present				2	19	Entrainment results.	ENTRIX. 1991b
Prickly Sculpin	8/16/91	Present				1	67	Entrainment results. Juvenile lifestage.	ENTRIX. 1991b
Prickly Sculpin	8/16/91	Present				2	17	Entrainment results. Post-larval lifestage.	ENTRIX. 1991b
Rainbow Trout	8/16/91	Present				4	222	Entrainment results.	ENTRIX. 1991b
Smallmouth Bass	8/16/91	Present				18	47	Entrainment results.	ENTRIX. 1991b
Carp	8/14/91	Present				6	51	Entrainment results.	ENTRIX. 1991b
Green Sunfish	8/14/91	Present				21	13	Entrainment results.	ENTRIX. 1991b
Prickly Sculpin	8/14/91	Present				33	15	Entrainment results.	ENTRIX. 1991b
Smallmouth Bass	8/14/91	Present				27	43	Entrainment results.	ENTRIX. 1991b

Table CAWG 7-Appendix C-45. Historical Fish Population Information for Balsam Meadow Forebay (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Carp	8/13/91	Present				4	47	Entrainment results.	ENTRIX 1991b
Green Sunfish	8/13/91	Present				8	18	Entrainment results.	ENTRIX. 1991b
Prickly Sculpin	8/13/91	Present				2	80	Entrainment results. Adult lifestage.	ENTRIX. 1991b
Prickly Sculpin	8/13/91	Present				33	19	Entrainment results. Post-larval lifestage.	ENTRIX. 1991b
Smallmouth Bass	8/13/91	Present				22	39	Entrainment results.	ENTRIX. 1991b
Carp	8/2/91	Present				2	47	Entrainment results.	ENTRIX. 1991a
Green Sunfish	8/2/91	Present				2	59	Entrainment results.	ENTRIX. 1991a
Prickly Sculpin	8/2/91	Present				68	17	Entrainment results.	ENTRIX. 1991a
Smallmouth Bass	8/2/91	Present				60	33	Entrainment results.	ENTRIX. 1991a
Brown Bullhead	8/1/91	Present				1	140	Entrainment results.	ENTRIX. 1991a
Carp	8/1/91	Present				1	55	Entrainment results.	ENTRIX. 1991a
Catfish spp.	8/1/91	Present				1	33	Entrainment results.	ENTRIX. 1991a
Prickly Sculpin	8/1/91	Present			184	1	83	Entrainment results. Adult lifestage.	ENTRIX. 1991a
Prickly Sculpin	8/1/91	Present				2	48	Entrainment results. Juvenile lifestage.	ENTRIX. 1991a

Table CAWG 7-Appendix C-45. Historical Fish Population Information for Balsam Meadow Forebay (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Average Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Prickly Sculpin	8/1/91	Present				16	17	Entrainment results. Post-larval lifestage.	ENTRIX. 1991a
Rainbow Trout	8/1/91	Present				3	68	Entrainment results. Juvenile lifestage.	ENTRIX. 1991a
Rainbow Trout	8/1/91	Present				3	133	Entrainment results. Adult lifestage.	ENTRIX. 1991a
Smallmouth Bass	8/1/91	Present				60	33	Entrainment results.	ENTRIX. 1991a
Green Sunfish	7/31/91	Present			110	1	63	Entrainment results.	ENTRIX. 1991a
Rainbow Trout	7/31/91	Present			21	3		Entrainment results.	ENTRIX. 1991a
Smallmouth Bass	7/31/91	Present			195	8	37	Entrainment results.	ENTRIX. 1991a
-	Sep-82							"no fish were collected in Balsam Creek near the forebay site."	FERC. 1982b
-	1982							"Fish plantings are not recommended for Balsam Meadow forebay "	FERC. 1982a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake.

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	2002	C ²	34632	34,632	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	2002	F ³	50132	50,132	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	2001	C ²	20450	38,978	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	2001	F ³	397	50,022	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	2000	C ²	18050	33,470	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	2000	F ³	255	49,980	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1999	C ²		36,280	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1999	C ²	770	453	Big Creek		CDFG. 1999a
Kokanee Salmon	Fresno	1999	F ³		50,067	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1999	F ³		130,410	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1998	C ²		33,100	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1998	F ³		50,464	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1997	C ²		31,900	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1997	F ³		52,052	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1996	C ²		40,840	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1996	F ³		40,128	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1996	F ³		49,720	San Joaquin		CDFG. 1999a
Kokanee Salmon-Taylor Strain	Fresno	1995	F ³		49,920	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1995	F ³		42,900	San Joaquin		CDFG. 1999a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1995	F ³		85,385	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1994	C ²		42,800	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1994	F ³		51,240	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1994	F ³		226,050	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1993	B ¹		650	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1993	C ²		49,100	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1992	B ¹		82	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1992	C ²		21,300	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1992	C ²		33,450	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1992	F ³		49,910	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1992	F ³		35,280	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1991	C ²		56,090	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1990	B ¹		1,200	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1990	C ²		96,600	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1990	F ³		60,000			CDFG. 1999a
Rainbow Trout	Fresno	1990	F ³		110,840	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1990	S ⁴		10,000	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1989	C ²		92,450	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1989	F ³		44,550	Silverado FB		CDFG. 1999a
Rainbow Trout	Fresno	1989	F ³		151,660	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1988	C ²		72,700	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1987	B ¹		1,344	San Joaquin		CDFG. 1999a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1987	C ²		29,580	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1986	C ²		66,218	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1970	S ⁴		16,000			CDFG. 1999a
Brook Trout	Fresno	1975	B ¹		933	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1975	C ²		85,298	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1975	F ³		69,120	Moccasin		CDFG. 1999a
Brook Trout	Fresno	1976	B ¹		1,376	San Joaquin		CDFG. 1999a & CDFG. 2002
Brook Trout	Fresno	1976	C ²		74,200	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1976	F ³		99,160	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1977	B ¹		2,243	San Joaquin		CDFG. 2002
Brook Trout	Fresno	1977	C ²		78,185	San Joaquin		BSAI. 1987c
Brook Trout	Fresno	1979	C ²		47,680	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1980	F ³		65,123	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1981	F ³		50,007	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1981	S ⁴		11,400	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1983	F ³		50,400	San Joaquin		CDFG. 1999a
Brook Trout	Fresno	1985	C ²		18,200	San Joaquin		CDFG. 1999a
Brown Trout	Fresno	1908-1911						CDFG. 1999a
Brown Trout	Fresno	1975	F ³		69,120			CDFG. 1999a
Brown Trout	Fresno	1983	C ²		50,400			CDFG. 1999a
Eagle Lake Trout	Fresno	1985	F ³		27,500	San Joaquin		CDFG. 1999a
Kokanee Salmon	Fresno	1982	F ³		52,000	San Joaquin		CDFG. 1999a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Kokanee Salmon	Fresno	1985	F ³		53,280	Silverado FB		CDFG. 1999a
Kokanee Salmon	Fresno	1986	F ³		54,000	Silverado FB		CDFG. 1999a
Largemouth bass	Fresno	1912						ESA. 1985
Rainbow and Brook Trout	Fresno	1966	C ²		108,016	San Joaquin		CDFG. 1999a
Rainbow and Brook Trout	Fresno	1971	C ²		103,244	San Joaquin		CDFG. 1999a
Rainbow and Brook Trout	Fresno	1971	S ⁴		38,675	San Joaquin & Kern River		CDFG. 1999a
Rainbow and Brook Trout	Fresno	1972	C ²		105,170	San Joaquin & Kern River		CDFG. 1999a
Rainbow Trout	Fresno	1950	C ²		18509	Sequoia		ESA. 1985
Rainbow Trout	Fresno	1951	C ²		16,470	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1952	C ²		19,000	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1953	C ²		4,200	Buckeye		CDFG. 1999a
Rainbow Trout	Fresno	1953	C ² (F) ³		31,681	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1953	C ² (S) ⁴		24,530	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1954	C ²		5,240	Buckeye		CDFG. 1999a
Rainbow Trout	Fresno	1954	C ²		12,415	Moorehouse		CDFG. 1999a
Rainbow Trout	Fresno	1954	C ²		16,230	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1954	C ²		64,010	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1955	C ²		70,440	B-Seq-San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1956	C ²		72,300	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1956	C ²		4,200	Sequoia		CDFG. 1999a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1956	S ⁴		35,160	Sequoia & San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1957	C ²		86,600	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1957	S ⁴		26,100	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1958	C ²		75,080	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1958	S ⁴		27,542	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1959	C ²		59,505	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1959	S ⁴		25,130	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1960	C ²		59,500	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1960	S ⁴		27,184	Sequoia		CDFG. 1999a
Rainbow Trout	Fresno	1961	C ²		33,750	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1961	S ⁴		25,004	Moccasin		CDFG. 1999a
Rainbow Trout	Fresno	1962	C ²		76,990	San Joaquin		BSAI. 1987c
Rainbow Trout	Fresno	1962	S ⁴		25,008	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1963	C ²		74,093	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1963	S ⁴		24,950	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1964	C ²		49,964	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1964	C ²		2,000	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1964	F ³		22,600	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1964	S ⁴		19,987	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1964	S ⁴		20,000	Big Creek		CDFG. 2002
Rainbow Trout	Fresno	1965	C ²		55,620	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1965	F ³ & S ⁴		62,500	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1965	S ⁴		30,036	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1966	S ⁴		29,990	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1966	S ⁴	Lv clip	8,888	Big Creek		CDFG. 1999a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1967	C ²		91,316	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1967	S ⁴		16,620	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1967	S ⁴		25,198	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1968	C ²		71,873	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1968	S ⁴		30,112	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1969	C ²		77,866	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1969	C ²		10,000	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1970	C ²		68,072	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1973	C ²		76,640	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1974	C ²		78,440	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1978	C ²		69,200	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1979	1/lb		300	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1979	4/lb		5,200	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1979	C ²		31,950	San Joaquin		CDFG. 2002
Rainbow Trout	Fresno	1980	C ²		92,600	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1981	C ²		72,400	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1982	C ²		62,200	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1983	C ²		82,550	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1984	B ¹	2-3 lb ea	200	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1984	C ²		2,000	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1984	C ²	2/lb	600	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1984	C ²	1/lb	700	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1984	C ²		69,920	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1984	S ⁴		10,000	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1984	S ⁴	16/lb	585	Big Creek		CDFG. 1999a

Table CAWG 7-Appendix C-46. Historical Fish Stocking Information for Shaver Lake (Continued).

Species	County	Year	Size	Pounds	Number of Fish	Hatchery	Comment	Reference
Rainbow Trout	Fresno	1985	C ²		31,937	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1985	C ²		24,000	Big Creek		CDFG. 1999a
Rainbow Trout	Fresno	1985	F ³		40,192	San Joaquin		CDFG. 1999a
Rainbow Trout	Fresno	1986	F ³		145,375	San Joaquin		CDFG. 1999a
Rainbow Trout, Coleman X Shata Strain	Fresno	1970	S ⁴		2,440	San Joaquin		CDFG. 1999a
Smallmouth Bass	Fresno	1979	4.8/lb		230	Central Valley		CDFG. 1999a
Smallmouth Bass	Fresno	1979	Adult		26	Pine Flat Res.		CDFG. 1999a
Threadfin Shad	Fresno	6/12/63	2/oz		700	Central Valley		CDFG. 1999a

¹ Brood Stock

² Catchable

³ Fingerling

⁴ Subcatable

Table CAWG 7-Appendix C-47. Historical Fish Population Information for Shaver Lake.

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Smallmouth Bass	5/88	Present				1		Collected by electrofishing.	BSAI 1989
Smallmouth Bass	5/88	Present				9		Collected by electrofishing.	BSAI 1989
Smallmouth Bass	5/88	Present				1		Collected by electrofishing.	BSAI 1989
Smallmouth Bass	5/88	Present				1		Collected by electrofishing.	BSAI 1989
Smallmouth Bass	5/88	Present				19		Collected by electrofishing.	BSAI 1989
Smallmouth Bass	5/88	Present				20		Collected by electrofishing.	BSAI 1989
Smallmouth Bass	5/88	Present				100	100-290	Collected by electrofishing.	BSAI 1989
Bass (<i>Micropterus</i> sp.)	1986	Present				500		p. 3-15: young of year collected for stocking elsewhere	BSAI 1987c
Rainbow Trout	12/86	Present				59		Creel survey.	BSAI 1987c
Rainbow Trout	11/86	Present				136		Creel survey.	BSAI 1987c
Rainbow Trout	11/86	Present				1		Creel survey.	BSAI 1987c
Rainbow Trout	10/86	Present				1		Creel survey.	BSAI 1987c
Rainbow Trout	10/86	Present				16		Creel survey.	BSAI 1987c

Table CAWG 7-Appendix C-47. Historical Fish Population Information for Shaver Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	10/86	Present				125		Creel survey.	BSAI. 1987c
Largemouth Bass	9/86	Present				4		Creel survey.	BSAI. 1987c
Largemouth Bass	9/86	Present				2		Creel survey.	BSAI. 1987c
Largemouth Bass	9/86	Present				6		Creel survey.	BSAI. 1987c
Largemouth Bass	9/86	Present				3		Creel survey.	BSAI. 1987c
Largemouth Bass	9/86	Present				700		Creel survey.	BSAI. 1987c
Largemouth Bass	9/86	Present				42		Creel survey.	BSAI. 1987c
Carp	8/86	Present				1		Creel survey.	BSAI. 1987c
Carp	8/86	Present				2		Creel survey.	BSAI. 1987c
Kokanee	8/86	Present				37		Creel survey.	BSAI. 1987c
Kokanee	8/86	Present				1		Creel survey.	BSAI. 1987c
Kokanee	8/86	Present				1		Creel survey.	BSAI. 1987c
Kokanee	8/86	Present				307		Creel survey.	BSAI. 1987c
Kokanee	8/86	Present				1		Creel survey.	BSAI. 1987c
Kokanee	8/86	Present				58		Creel survey.	BSAI. 1987c
Brown Trout	7/86	Present				6		Creel survey.	BSAI. 1987c
Bullhead	7/86	Present				1		Creel survey.	BSAI. 1987c
Bullhead	7/86	Present				7		Creel survey.	BSAI. 1987c
Bullhead	7/86	Present				33		Creel survey.	BSAI. 1987c
Bullhead	7/86	Present				2		Creel survey.	BSAI. 1987c
Carp	7/86	Present				521		Creel survey.	BSAI. 1987c

Table CAWG 7-Appendix C-47. Historical Fish Population Information for Shaver Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Carp	7/86	Present				39		Creel survey.	BSAI. 1987c
Bluegill	6/86	Present				1		Creel survey.	BSAI. 1987c
Brook Trout	6/86	Present				2		Creel survey.	BSAI. 1987c
Brook Trout	6/86	Present				3		Creel survey.	BSAI. 1987c
Brook Trout	6/86	Present				1		Creel survey.	BSAI. 1987c
Brook Trout	6/86	Present				13		Creel survey.	BSAI. 1987c
Brown Bullhead	6/86	Present				160		Creel survey.	BSAI. 1987c
Brown Trout	6/86	Present				49		Creel survey.	BSAI. 1987c
Bass (<i>Micropterus</i> sp.)	4/69	Present				1		p. 3-15: electrofishing	BSAI. 1987c
Black Bullhead	4/69	Present				2		p. 3-15: electrofishing	BSAI. 1987c
Black Crappie	4/69	Present				1		p. 3-15: electrofishing	BSAI. 1987c
Bluegill	4/69	Present				96		p. 3-15: electrofishing, 32 had been planted the previous fall	BSAI. 1987c
Rainbow Trout	1969-70, 1976	Present				2		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c
Rainbow Trout	1969-70, 1976	Present				10		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c

Table CAWG 7-Appendix C-47. Historical Fish Population Information for Shaver Lake (Continued).

Species	Date	Population Estimate	Biomass (kg)	Density		Number Collected	Fork Length (mm)	Comments	References
				kg/ha	lb/ac				
Rainbow Trout	1969-70, 1976	Present				18		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c
Rainbow Trout	1969-70, 1976	Present				3		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c
Sacramento Sucker	1969-70, 1976	Present				8		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c
Sacramento Sucker	1969-70, 1976	Present				11		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c
Sacramento Sucker	1969-70, 1976	Present				39		p. 3-15: gill netting surveys 1969, 1970, 1976	BSAI. 1987c

APPENDIX B

Fish Stocking Information for Vermilion Valley Hydroelectric Project
(FERC Project No. 2086)

Available data and stocking records from SCE and CDFG were reviewed for study streams and reservoirs for the CAWG 7 Characterize Fish Populations Report (SCE 2003b). The information is presented in Tables CAWG 7 Appendix C-1 through CAWG 7 Appendix C-47 (in Appendix A for the purposes of this report which is duplicated from Appendix C of the CAWG 7 2003 report (SCE 2003b)).

Lake Thomas A. Edison

Various species of trout have been released to Lake Edison area streams for many years.

Fingerling, brood stock, and catchable rainbow trout, fingerling brown trout, and fingerling brook trout have been stocked in Lake Edison over the past fifty years. Many varieties of rainbow trout have been planted in Lake Edison in the past, including Hot Creek, Kamloops, Shasta, and Mt. Whitney strain rainbow trout (SCE 2001).

Current Stocking Practices

In recent years, the CDFG has managed Lake Edison as a “put and grow” fishery by planting fingerling sized rainbow trout. Most of the rainbow trout fingerlings recently stocked in Lake Edison were Kamloops variety (SCE 2001). The source of these fish is the San Joaquin Fish Hatchery.

APPENDIX C

Fish Stocking Information for Portal Hydroelectric Power Project
(FERC Project No.2174)

Portal Forebay

Rainbow trout and brook trout have been stocked historically in and around Portal Forebay. Rainbow trout have been annually stocked in Portal Forebay for the last ten years (SCE 2003a). The source of these fish is the San Joaquin Fish Hatchery.

During the fish population sampling that took place in support of Portal Exhibit E (SCE 2003a), brown trout, rainbow trout, and brook trout were found in the forebay.

Current Stocking Practices

Catchable-sized rainbow trout, of an unknown variety, is the only species currently stocked in Portal Forebay.