WR-2 HYDROLOGY
TECHNICAL MEMORANDUM

KERN RIVER NO. 3 HYDROELECTRIC PROJECT
FERC PROJECT NO. 2290

PREPARED FOR:

SOUTHERN CALIFORNIA EDISON®
Energy for What's Ahead®

KERNVILLE, CALIFORNIA

October 2024

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LIST OF ACRONYMS AND ABBREVIATIONS

CEFF	California Environmental Flows Framework
cfs	cubic feet per second
CNFD	California Natural Flows Database
COMID	COMmon IDentifier
EMG	ecological management goal
FERC	Federal Energy Regulatory Commission
KR3	Kern River No. 3
LOI	location of interest
MIF	minimum instream flow
NFKR	North Fork Kern River
Project	Kern River No. 3 Hydroelectric Project (FERC Project No. 2290)
RM	River Mile
SCE	Southern California Edison
USACE	U.S. Army Corps of Engineers
USGS	U.S. Geological Survey
WY	water year

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1.0 INTRODUCTION

Southern California Edison (SCE) filed the *WR-2 Hydrology Interim Technical Memorandum* as part of the Initial Study Report (SCE, 2023a) filed with the Federal Energy Regulatory Commission (FERC) on October 9, 2023, in support of its Kern River No. 3 (KR3) Hydroelectric Project, FERC Project No. 2290 (Project) relicensing. The October 2023 WR-2 Technical Memorandum included a summary of hydrologic flow data for the Fairview Dam Bypass Reach[1] and water conveyance system, the results of the California Environmental Flows Framework (CEFF) (CEFWG, 2021a) Section A assessment, and a summary of variances to the FERC-approved *WR-2 Hydrology Study Plan* (SCE, 2022).

In FERC's May 30, 2024, *Determination on Requests for Study Modifications and New Studies* (FERC, 2024), FERC specified that SCE must also describe flow travel times within the Fairview Dam Bypass Reach using additional methods and required the inclusion of existing flow information from Salmon and Corral Creeks and the diversions.

This updated WR-2 Technical Memorandum supersedes the October 2023 WR-2 Technical Memorandum and provides complete methods and findings of the WR-2 Study. Consistent with the 2023 WR-2 Technical Memorandum (SCE, 2023a), updated hydrologic flow data in the Fairview Dam Bypass Reach and water conveyance system are discussed in Section 5.1, *Hydrology*, and the results of the CEFF (CEFWG, 2021a) Section A assessment are presented in Section 5.2, *California Environmental Flows Framework Results*.

This updated WR-2 Technical Memorandum also includes new data associated with the four additional study components completed since the October 2023 WR-2 Technical Memorandum:

1. Data collected for flow travel time analysis within the Fairview Dam Bypass Reach (Section 5.3, *Flow Travel Time*);

2. Flow and diversion data from Salmon and Corral Creeks (Section 5.4, *Salmon and Corral Creeks Diversions*);

3. Additional compilation and analysis of the theoretical hydrology excluding extended outages pursuant to the FERC *Determination on Requests for Study Modifications and New Studies* (FERC, 2024) (Section 5.5, *Theoretical Hydrology Excluding Extended Outages*); and

4. Data collected from KR3 spillways (Section 5.6, *Cannell Creek Siphon Spillway and Forebay Spillway*).

[1] The Fairview Dam Bypass Reach is defined as the approximately 16-mile bypass reach of the North Fork Kern River between Fairview Dam and the KR3 Powerhouse tailrace.

2.0 STUDY GOALS AND OBJECTIVES

The objectives of the study, as outlined in *WR-2 Hydrology Study Plan* (SCE, 2022) and as amended by FERC in its Study Plan Determination (FERC, 2022) and *Determination on Requests for Study Modifications and New Studies* (FERC, 2024), include the following:

- Compile and summarize hydrologic gage data for use in other resource assessments.
- Determine, compile, and summarize natural functional flow ranges in wet, moderate, and dry years using existing unimpaired data.
- Calculate flow travel times within the Fairview Dam Bypass Reach for a variety of flows, including minimum bypass reach flows (120 cubic feet per second [cfs]) up to the existing maximum whitewater flow-release target of 1,400 cfs.
- Use available data to describe the Salmon and Corral Creek Diversions.
- Examine the potential extent of effects of the KR3 Project on Fairview Dam Bypass Reach through theoretical hydrology excluding extended outages study.
- Use available data to describe spillway activity from February 2023 to June 2024.

3.0 STUDY AREA AND STUDY SITES

The study area includes Project-affected stream reaches along the North Fork Kern River (NFKR) and Salmon and Corral Creeks for the purposes of characterization and data collection relevant to understanding potential effects of Project operations and maintenance activities on stream hydrology (Figure 3-1).

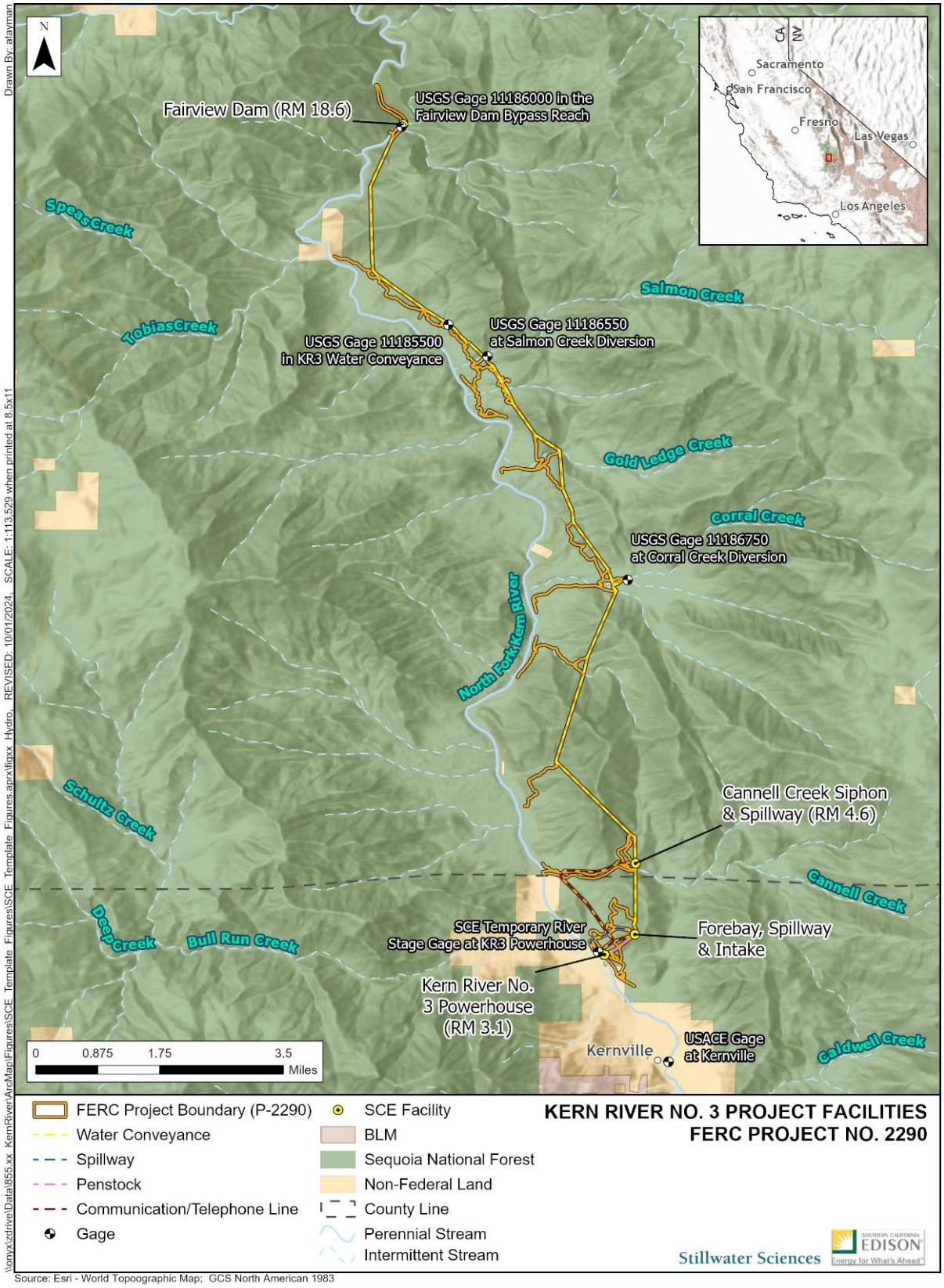


Figure 3-1. Hydrology Study Area.

Five streamflow gages are located within the study area (Table 3-1). SCE maintains two gaging stations that monitor and record water flow for Project compliance, two non-recording gaging stations, and one recently installed temporary river stage gage. The recording gages measure flow in the Fairview Dam Bypass Reach (U.S. Geological Survey [USGS] gage 11186000) and water conveyance system (USGS gage 11185500). The recorded gage data are published as mean daily flow annually on the USGS website (USGS, 2023a). The two non-recording gaging stations are associated with the small diversions in Corral Creek (USGS gage 11186750) and Salmon Creek (USGS gage 11186550). SCE inspects these gages monthly to observe and log flow conditions at a fixed geometry orifice flow-release point (SCE, 2021). The temporary river stage gage was installed in February 2023 immediately upstream of the KR3 Powerhouse tailrace to provide data for the flow travel time study (Section 5.3, *Flow Travel Time*).

Independent from the Project and as part of its water management system, the U.S. Army Corps of Engineers (USACE) has historically maintained one gage on the NFKR at Kernville, approximately 2 river miles downstream of the KR3 Powerhouse. USACE publishes daily flow gage data on its website (USACE, n.d.). Although the Kernville gage is not subject to USGS oversight, the Kernville USACE gage is operated to meet or exceed USGS data standards. USACE conducts monthly calibration inspections and compiles and reviews all streamflow data records prior to publication.

Table 3-1. Gages Within and Adjacent to Study Area

Name/ID	Location	Organization	Recorded Data
Gage 11186000	Fairview Dam Bypass Reach	USGS/SCE	Yes
Gage 11185500	Water conveyance system	USGS/SCE	Yes
Gage 11186550	Salmon Creek Diversion	USGS/SCE	No
Gage 11186750	Corral Creek Diversion	USGS/SCE	No
Temporary stage gage	Upstream of the KR3 Powerhouse tailrace	SCE	Yes
Kernville Gage	Kernville Bridge	USACE	Yes

KR3 = Kern River No. 3; SCE = Southern California Edison; USACE = U.S. Army Corps of Engineers; USGS = U. S. Geological Survey

4.0 METHODS

Study implementation followed the methods described in SCE's Revised Study Plan (SCE, 2022) and as amended by FERC in its Study Plan Determination (FERC, 2022) and *Determination on Requests for Study Modifications and New Studies* (FERC, 2024) with the variance described below.

4.1. STUDY PLAN VARIANCES

The Revised Study Plan specified that the hydrology analyses would be based on water years (WY) 1997 through 2021. The study also incorporated WY 2022 and WY 2023 hydrology data into the analysis as the additional data became available.

4.2. HYDROLOGY

Flow data are available to assess watershed hydrology from the USGS gages at the Fairview Dam Bypass Reach, water conveyance system, and USACE gage in Kernville over the current license period (i.e., WY 1997, beginning October 1, 1996, through WY 2023, ending September 30, 2023).[2] Although flow data were recorded at USGS gages 11185500 and 11186000 from October 1, 1996, to September 30, 2004, technological data storage limitations in the early portion of the current license period resulted in only daily mean flow data being available for this period. Hourly gage data at both USGS recording gages were compiled for the remainder of the current license period (i.e., WY 2005, beginning October 1, 2004, through WY 2023, ending September 30, 2023). The datasets from USGS gages 11185500 and 11186000 were provided to Relicensing Participants via e-mail on June 30, 2023, with a link to the public website (SCE, 2023b) and comprised WYs 1997 through 2021. The data from WYs 2022 and 2023 were provided to Relicensing Participants on March 29, 2024, and June 14, 2024, respectively.

A preliminary quality assurance / quality control review of the recorded data was performed to identify anomalies (e.g., data gaps, outliers, or gage limitations).

For the purposes of this statistical analysis, hourly flow data were aggregated to daily data using an arithmetic mean calculation. To characterize the hydrology in the NFKR, the daily data were summarized monthly and annually using statistical parameters such as maximum, minimum, mean, and median flows, and are displayed graphically using hydrographs and box-and-whisker plots in this WR-2 Technical Memorandum. Annual and monthly flow duration curves were developed to display the flow characteristics of the NFKR without regard to the sequence of occurrence.

4.3. CALIFORNIA ENVIRONMENTAL FLOWS FRAMEWORK

The WR-2 Study Plan also includes the NFKR application of Section A of the CEFF, as detailed in the 2021 CEFF Technical Report (CEFWG, 2021a). CEFF is a framework that provides technical guidance to aid in the development of scientifically defensible environmental flow recommendations that balance human and ecosystem water needs. CEFF is a 12-step process divided into Sections A, B, and C. The outcome of Section A is a set of ecological flow criteria derived from natural functional flow metrics that characterize the natural variability in flow that supports essential ecosystem functions in the absence of human modification (CEFWG, 2021a). The four steps of CEFF Section A were applied to the NFKR, as described in the following sections.

[2] The USACE gage data are publicly available and are not summarized this WR-2 Technical Memorandum.

4.3.1. STEP 1A: LOCATION OF INTEREST

The study area includes the section of NFKR between Fairview Diversion Dam and the KR3 Powerhouse. The locations of interest (LOI) were selected based on the location of infrastructure features within the study area.

4.3.2. STEP 1B: ECOLOGICAL MANAGEMENT GOALS

For each LOI, ecological management goals (EMG) associated with flow in the NFKR and applicable to the LOI were defined by conducting a literature review of federal, state, and local policies, programs, and plans.

4.3.3. STEP 1C: ECOSYSTEM FUNCTIONS TO ACHIEVE ECOLOGICAL MANAGEMENT GOALS

The potential ecosystem functions listed in Table 1.2 of the CEFF Technical Report (CEFWG, 2021a) associated with each of the five functional flow components were reviewed (see Section 5.2.2, *Step 1b: Ecological Management Goals,* below, for a list of functional flow components). Next, the corresponding ecosystem functions that must be supported by the ecological flow criteria to achieve the EMGs identified in Step 1b were identified.

4.3.4. STEP 2: OBTAIN NATURAL RANGES OF FUNCTIONAL FLOW METRICS

The CEFF analysis quantifies “natural flows” in streams using the natural functional flow metrics available from the California Natural Flows Database (CNFD) (CEFWG, 2021b), where natural flows are defined as the expected streamflow in the absence of human modification. The CNFD contains the natural functional flow metrics predicted for all stream reaches in California based on data from 1950 to approximately 2014. In the CNFD, predicted natural functional flow metrics were calculated using the functional flow metrics at USGS reference gages on California streams with minimal disturbance to natural hydrology and land cover (Falcone et al., 2010) using algorithms, which were described by Patterson et al. (2020) and based on the natural streamflow classification for California (Lane et al., 2018). Separate statistical models were then developed to predict the natural functional flow metrics at other stream reaches throughout California. Using machine-learning methods, functional flow metric values were related to watersheds and climactic characteristics following the approach described by Zimmerman et al. (2018). Natural functional flow metrics are used as ecological flow criteria in the CEFF based on the assumption that the range of natural functional flows would maintain the physical, chemical, and biological functions needed by native freshwater species (Escobar-Arias and Pasternack, 2010; Yarnell et al. 2015), and these functions would be broadly protective of ecosystem needs and achieve EMGs (Grantham et al., 2022).

CNFD flow metric predictions are provided by stream reaches defined in the National Hydrography Dataset Plus, Version 2, dataset (USGS, 2019); each stream reach is uniquely identified with a COMmon IDentifier (COMID). A single stream reach (COMID) within the LOI was selected as representative of conditions in the LOI. The natural

functional flows in the LOI were characterized using predicted metrics downloaded from the CNFD for the selected COMID (CEFWG, 2021b).

4.3.5. STEP 3: EVALUATE WHETHER THE NATURAL RANGES OF FUNCTIONAL FLOW METRICS SUPPORT ECOSYSTEM FUNCTIONS NEEDED TO ACHIEVE ECOLOGICAL MANAGEMENT GOALS

Step 3 entailed the identification of potential non-flow limiting factors on the NFKR (i.e., physical channel, biogeochemical/water quality, and biological alterations) that would likely limit whether the natural ranges of the functional flow metrics would support the ecosystem functions and the EMGs identified in Step 1b. The non-flow limiting factors were assessed through an evaluation of high-resolution aerial photographs, Google Earth satellite imagery, and field-based visual inspection of the stream channel. Per the CEFF guidelines (CEFWG, 2021a), this identification of potential non-flow limiting factors is a high-level qualitative appraisal of conditions rather than a rigorous quantification of the physical, biogeochemical, and biological alterations to the streams.

4.3.6. STEP 4: SELECT ECOLOGICAL FLOW CRITERIA

Step 4 is predicated on the results from Step 3; if no non-flow limiting factors were identified for a functional flow component in Step 3, the CNFD-predicted natural functional flow metrics compiled in Step 2 were selected as ecological flow criteria for those functional flow components. If potential non-flow limiting factors were identified for a functional flow component, no ecological flow criteria were selected from the CNFD-predicted natural functional flow metrics and additional analyses were recommended to determine appropriate ecological flow criteria. CNFD-predicted natural functional flow metrics selected as ecological flow criteria values are expected to support the EMGs identified in Step 1b.

4.4. FLOW TRAVEL TIME

For the purposes of informing the instream flow travel time study, SCE installed a temporary river stage gage along the NFKR upstream of the KR3 Powerhouse tailrace in early February 2023. This temporary gage collected river stage data in 15-minute increments (measured in feet) from February 7, 2023, to August 5, 2024. Because river stage is a function of both channel geometry and flow, a direct comparison between stage heights at Fairview Dam and the KR3 Powerhouse may not be indicative of flows. Therefore, this study develops a flow travel time relationship between flow upstream and stage downstream. Flow travel time between Fairview Dam and the KR3 Powerhouse is estimated by comparing flow data at USGS gage 11186000 with the data from the recently installed temporary river stage data at the KR3 Powerhouse, approximately 16 miles downstream. Although the measurement units differ between the two gages (flow in cfs versus stage in feet), distinct flow inflection points in USGS gage 11186000 can be identified and compared with river stage flow inflection points downstream at the KR3 Powerhouse. The time interval between the flow fluctuation and the stage fluctuation approximates travel time at that flow rate.

Though natural river flow variability may produce noise in the dataset, a distinction between flow fluctuations due to diversions and natural flow variability can be confirmed by comparing flow changes between the two USGS gages (gage 11186000 in the NFKR and gage 11185500 in the water conveyance system). Only diversions would produce commensurate flow changes in the two USGS gages (i.e., an increase at gage 11186000 would produce an identical decrease at gage 11185500). For the purposes of understanding flow travel times, SCE temporarily recorded KR3 penstock flow during the study period.

Comparisons of both flow fluctuations at the USGS gage 11186000 and the temporary river stage gage and flow fluctuations at the USGS gage 11185500 and the penstock flow are used to approximate instream flow travel time between Fairview Dam and the KR3 Powerhouse. Travel time calculations targeted a range of flows between 120 and 1,440 cfs over the 18 months of data available for analysis.

4.5. SALMON AND CORRAL CREEKS DIVERSIONS

For the purposes of informing the baseline conditions and evaluating the flow in Salmon and Corral Creeks, SCE recorded the diversion flow data at the historically non-recording USGS gages 11186550 and 11186750. Flow diversion data were collected at 15-minute increments from October 1, 2022, through July 9, 2024 (i.e., WY 2023) through a portion (77 percent) of WY 2024. Each USGS gage is located in the diversion pipeline to the water conveyance system, downstream of the minimum instream flow (MIF) release valve.

In accordance with the license requirement, the diversions are structured so that each creek's flow first passes through a fixed geometry orifice, where the required MIF is released into the creek and any surplus flow is diverted to the water conveyance system. To preserve natural flow functions within the channel downstream of the diversion, the MIF is specified seasonally as shown in Table 4.5-1. The fixed geometry orifices are sized for each MIF and physically switched seasonally. SCE conducts routine inspections at these diversions to document compliance.

Table 4.5-1. Minimum Instream Flow for Salmon Creek and Corral Creek

Minimum Instream Flows[a]		
Date	**Salmon Creek (cfs)**	**Corral Creek (cfs)**
February 1 through June 30	4	1
July 1 through January 30	1	0.5

cfs = cubic feet per second
Note:
[a] Forest Service 4(e) Condition No. 4

Flow data collected at the diversion structure gages can be used directly to quantify flow diverted to the water conveyance system and indirectly to understand flow in Salmon and

Corral Creeks. When flows at the diversion structure gages are greater than zero, the creeks' MIF requirements have necessarily been met, thereby allowing flow to be diverted to the water conveyance system. Flow data from the diversion structure gages represent the quantity (in cfs) of that diversion. Although the diverted flow to the water conveyance system is quantified directly, the creek flow is only known to be MIF when the diversion flow is above zero (i.e., when the MIF requirement is met). For example, when diverted flow is zero, creek flow would be at an unspecified level less than MIF (i.e., natural flow into the diversion structure is less than MIF requirements) and when diverted flow is greater than zero, creek flow must equal MIF or greater (i.e., the inflow exceeds the MIF and the diversion structure is spilling).

The diversion data are summarized by frequency of diversion and annual mean diverted flow, where the mean diverted flow calculation includes only the data when diversions occur (i.e., diversions are non-zero). Supplementing the recorded data, routine weekly reports provide measured stage data downstream of the diversion and visual inspections confirm that the diversions are functioning as expected; however, the routine visual inspections do not provide consistent instream flow measurements. The routine inspection data and annual diversion flow reports are submitted to the California State Water Resources Control Board. Appendix A provides all available routine inspection reports from WYs 2005 through 2022, the annual flow reports submitted to the California State Water Resources Control Board from WYs 2009 to 2022, and the recently recorded flow data from WY 2023 and WY 2024.

4.6. THEORETICAL HYDROLOGY EXCLUDING EXTENDED OUTAGES

For the purpose of understanding the potential extent of operational effects of the Project on flows in NFKR, a theoretical hydrology dataset was developed to represent a scenario in which the Project operated without extended outages during the study period of WYs 2005 to 2023. During the study period, the records of Project operations were examined to identify periods of extended outages, defined as facility upgrades and planned maintenance periods when one or both units were offline (Table 4.6-1). Those extended outages resulted in less-than-authorized flows diverted to the water conveyance system and concurrently greater-than-MIFs flows remaining in NFKR.

Based on the hourly hydrology data (provided to Relicensing Participants and described in Section 4.1, *Study Plan Variances*, above), the theoretical hydrology dataset was created by reassigning flows in both the water conveyance system and the bypass reach during extended outages so that the water conveyance system flow is increased to the maximum authorized flows and the river flow is decreased commensurately. The maximum authorized flows to the water conveyance system are calculated by assuming that after the monthly MIF in NFKR (Table 4.6-2) are met (per License Article 406), remaining flow is diverted into the water conveyance system up to capacity at 600 cfs. The methodology used to develop the theoretical hydrology dataset assumes that the

monthly MIF conditions are met without the inclusion of the hatchery flow requirements.[3] In dry water years, this may result in higher theoretical flows, up to MIF levels. Additionally, seasonal whitewater boating flows (License Article 422) were not incorporated as part of the theoretical hydrology dataset. The original measured gage data were used during typical plant operations including unplanned immediate maintenance, forced outages (i.e., unit unexpectedly trips offline), or unit closures due to low flow.

The analysis compares the mean monthly statistics of the theoretical hydrology dataset with actual measured river hydrology to understand the Project effects without extended outages. To examine monthly variations within relatively wet, moderate, and dry years, the mean annual flow upstream of Fairview Dam in the hydrology dataset from Section 4.1, *Study Plan Variances* (WYs 1997 to 2023), was classified into tertiles (for dry, moderate and wet water year types[4]), and the theoretical dataset was tabulated within those classifications.

Table 4.6-1. Extended Outages at Kern River No. 3 Powerhouse from 2005-2013

Start Date	End Date	Duration (weeks)
March 5, 2005	March 10, 2005	0.7
May 16, 2005	May 24, 2005	1.2
October 14, 2005	November 28, 2005	6.4
September 1, 2006	April 12, 2007	31.9
8/24/2007 7:00	February 13, 2009	77.0
July 26, 2009	May 19, 2011	94.6
August 18, 2012	December 26, 2012	18.6
August 19, 2013	December 24, 2014	70.3
September 4, 2016	October 13, 2016	5.6
August 15, 2022	November 18, 2022	13.6

[3]SCE provides 35 cfs year-round to the California Department of Fish and Wildlife's (CDFW's) Kern River Planting Base Hatchery via the Project water conveyance system and the KR3 Powerhouse tailrace. If the natural flow is not available to meet both the hatchery needs and the MIFs, the hatchery flows take precedence over the instream flow releases at Fairview Dam (License Article 406 and Forest Service 4(e) Condition 4; 77 FERC ¶ 62,313).

[4] There is no existing criterion for determining water year types for the North Fork Kern River, or Kern River Watershed; the state also has no criterion for the Kern and Tule River basins for classifying wet/normal/dry years (A. Burdock, California Department of Water Resources, personal communication, April 24, 2024).

Table 4.6-2. Minimum Instream Flow in North Fork Kern River

Month	NFKR (cfs)
October	80
November	40
December	40
January	40
February	40
March	70
April	100
May	100
June	100
July	130
August	130
September	100

4.7. CANNELL CREEK SIPHON SPILLWAY AND FOREBAY SPILLWAY

For the purpose of understanding the flow that spills from the water conveyance system into the Fairview Dam Bypass Reach, spill events were documented at the Cannell Creek Siphon Spillway and Forebay Spillway between January 2023 and June 2024. The Cannell Creek Siphon Spillway comprises a 45-foot-long concrete spillway and approximately 470-foot-long rock spillway channel down to Cannell Creek. The confluence of Cannell Creek and the NFKR is approximately 1 mile downstream from the spillway. The Forebay Spillway, located at the intake to the penstocks, is designed to release flow through an energy-dissipating concrete structure that reduces the velocity of the flow before spilling down the bedrock-lined spillway channel. If the water surface elevation in the forebay exceeds the spillway crest (3,505.65 amsl), water is directed into the approximately 2,700-foot-long, bedrock-lined spillway channel. The spillway channel runs west, adjacent to the two penstocks along the hill slope until it rejoins with the NFKR approximately 700 feet upstream from the KR3 Powerhouse. The Cannell Creek Siphon Spillway is designed to accommodate the initial surplus flow following a penstock shutoff, and the Forebay Spillway is designed for the remaining overflow.

The data collected on spill events identified the spill date, start/end times, and the reason for the spill; flow data were not collected within the spill channels. Because the water conveyance system is a gravity system, it is assumed that the event durations and magnitudes were similar for both the spillways. Though flow measurements were not recorded at either spillway, it is possible to estimate the maximum potential discharge of the spills using the conveyance flow and the penstock flow collected for the flow travel

time study. This estimation was limited by the availability of penstock flow data, which began in February 2023 (to support data collection as part of the travel time study). To estimate the maximum potential spill flow during each spill duration, flow data was examined during each spill event. The highest flow measured in the water conveyance system at USGS gage 11185500 and the lowest penstock discharge measurement were used in the equation below to produce a rough estimate of the maximum potential spill flow during each spill event.

Estimated maximum potential spill flow during each spill event:

$$\frac{(\text{highest flow at spill event}_{\text{USGS gage 11185500}}) - (\text{lowest conveyance discharge}_{\text{penstock}})}{\text{number of spillways}}$$

5.0 DATA SUMMARY

5.1. HYDROLOGY

The available gage datasets for both USGS gages 11185500 and 11186000 were determined as complete with no data gaps. Within the current license period through September 30, 2023, 1,307 zero-flow days in the water conveyance system were recorded by USGS gage 11185500. The zero-flow days resulted from outages for maintenance and repairs to the water conveyance system, which led to extended periods where full flows were released at Fairview Dam into the Fairview Dam Bypass Reach in WYs 2007, 2008, 2010, 2011, and 2014.

5.1.1. MONTHLY FLOW IN NORTH FORK KERN RIVER

The NFKR hydrograph (seasonal streamflow pattern) for the Fairview Dam Bypass Reach and the water conveyance system depicts that the wetter period occurs primarily during spring (April through June) when streamflow typically peaks as snow that accumulated during winter melts. NFKR streamflows begin to decrease in July, and then the NFKR usually enters a drier period for the remainder of the summer through the end of fall in December. Monthly mean, minimum, and maximum daily flows for the Fairview Dam Bypass Reach and water conveyance system are presented in Table 5.1-1 and Table 5.1-2, respectively. Figure 5.1-1 is a box-and-whisker plot summarizing the distribution and variability of the monthly data for the Fairview Dam Bypass Reach. The lower and upper whiskers are annual minimum and maximum flows, respectively, and shaded boxes represent the middle 50 percent of the data (between lower quartile and upper quartile) with the annual median at the center bar in the shaded box. Although flows on the Fairview Dam Bypass Reach are typically relatively low during winter, winter storms can cause temporary and infrequent very high peaks. Flows are most consistently high during spring (May through June), and the maximum annual flow most often occurs during the spring runoff (see Figure 5.1-2). Figure 5.1-3 is a box-and-whisker plot that shows the variability in water conveyance system flows, where higher flows are diverted during spring (May through June). Figure 5.1-4 presents the comparison between the monthly mean flow for both the Fairview Dam Bypass Reach and water conveyance system for the current license period.

Table 5.1-1. Monthly Flow in the Fairview Dam Bypass Reach, Water Years 1997–2023 (USGS Gage 11186000)

Month	Monthly Mean Daily Flow (cfs)	Monthly Minimum Daily Flow (cfs)	Monthly Maximum Daily Flow (cfs)
October	132	28	1,752
November	131	40	6,030
December	136	40	6,245
January	287	41	25,100[a]
February	211	42	5,997
March	472	72	15,641
April	784	102	7,123
May	1,616	101	8,317
June	1,593	88	8,162
July	752	71	6,896
August	231	29	6,234
September	131	26	635

Source: SCE, 2023c; USGS, 2023a

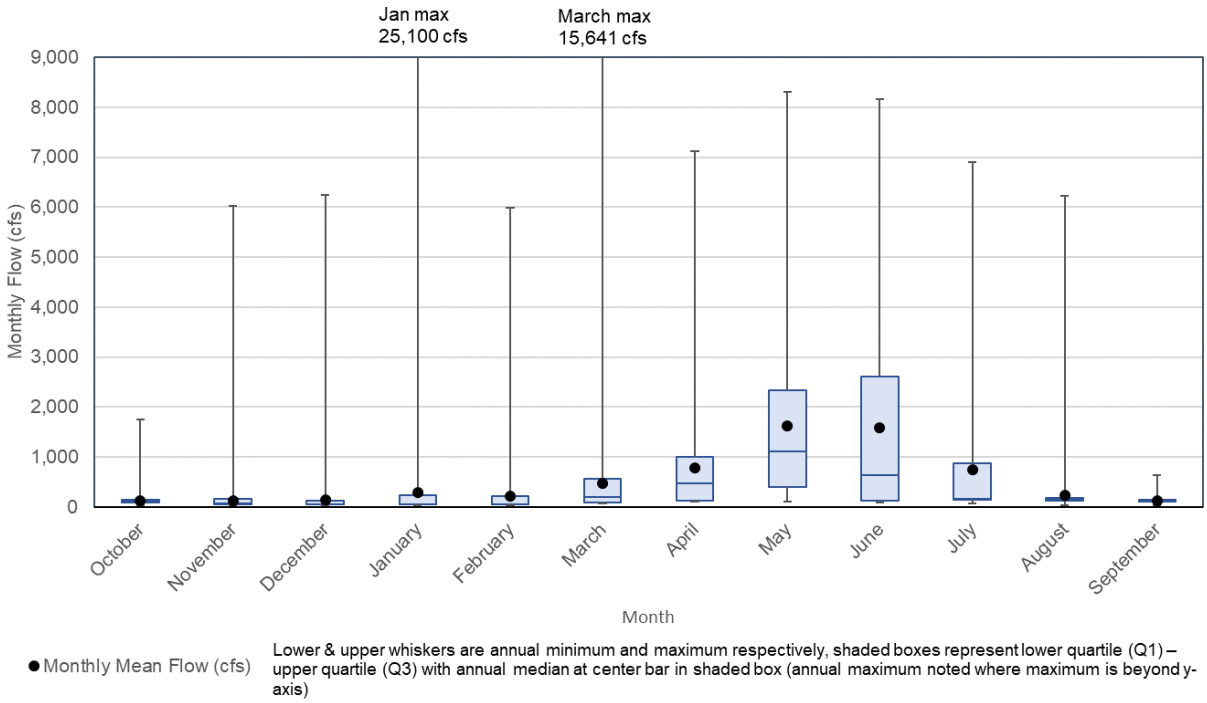
cfs = cubic feet per second
Notes:
[a] Maximum daily flow recorded on January 3, 1997.

Table 5.1-2. Monthly Flow in the Project Water Conveyance System, Water Years 1997–2023 (USGS Gage 11185500)

Month	Monthly Mean Daily Flow (cfs)	Monthly Minimum Daily Flow (cfs)	Monthly Maximum Daily Flow (cfs)
October	78	00	525
November	117	00	574
December	157	00	591
January	198	00	594
February	264	00	589
March	291	00	593
April	425	00	591
May	447	00	590
June	399	00	588
July	285	00	588
August	179	00	584
September	110	00	586

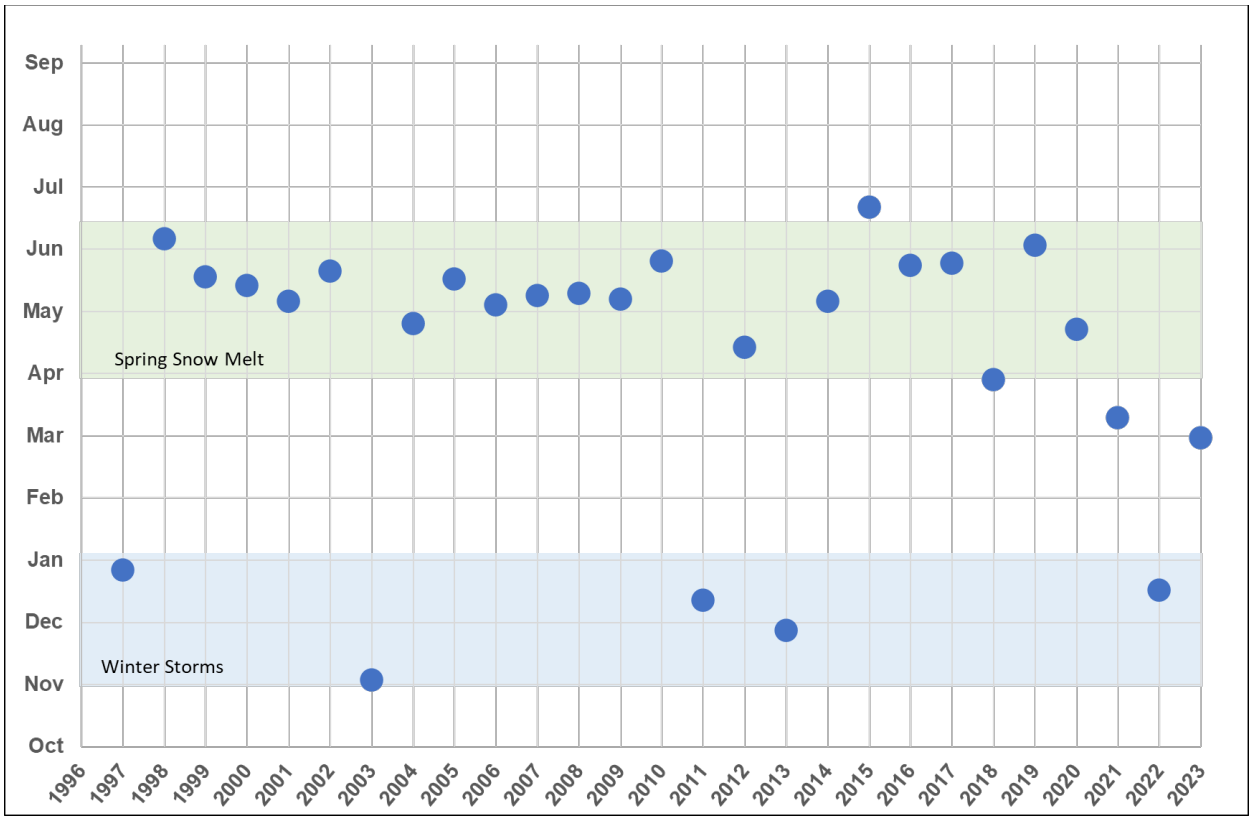
Source: SCE, 2023c; USGS, 2023b

cfs = cubic feet per second



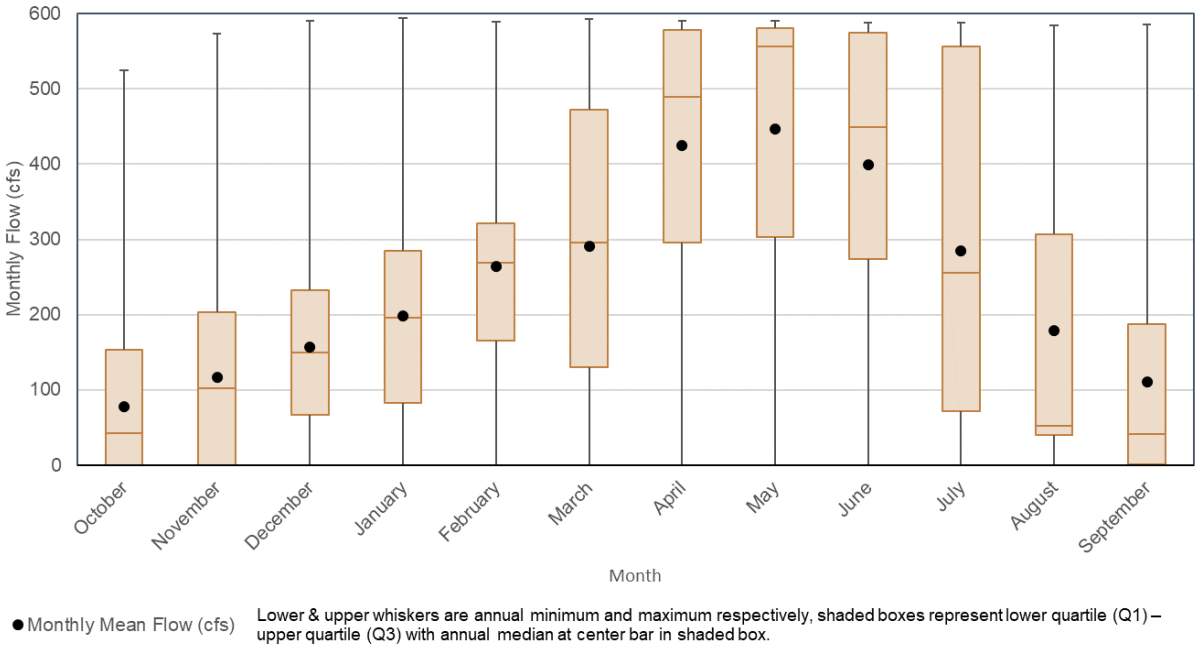
Source: SCE, 2023c; USGS, 2023a

Figure 5.1-1. Monthly Flow in the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



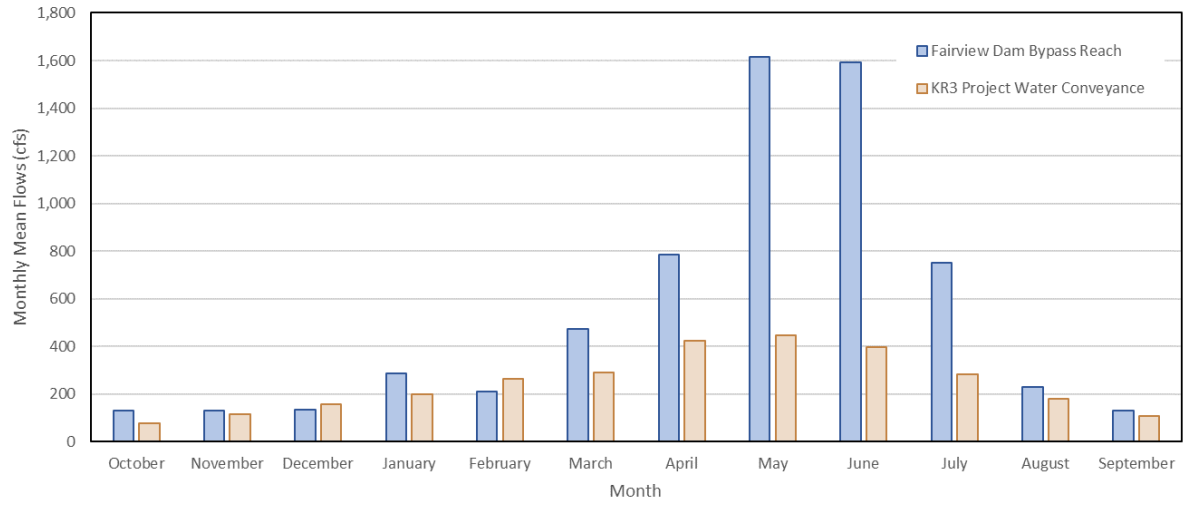
Source: SCE, 2023c; USGS, 2023a

Figure 5.1-2. Date of Maximum Flow in the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



Source: SCE, 2023c; USGS, 2023b

Figure 5.1-3. Monthly Flow in the Project Water Conveyance System, Water Years 1997–2023.



Source: SCE, 2023c; USGS, 2023a,b

Figure 5.1-4. Monthly Mean Flow in the North Fork Kern River Fairview Dam Bypass Reach and the Project Water Conveyance System, Water Years 1997–2023.

5.1.2. Annual Flow in North Fork Kern River

Annual mean, minimum, and maximum daily flows for the Fairview Dam Bypass Reach and water conveyance system are presented in Tables 5.1-3 and 5.1-4, respectively. Figures 5.1-5 and 5.1-6 are box-and-whisker plots summarizing the distribution of the annual data for the Fairview Dam Bypass Reach and water conveyance system, respectively. The lower and upper whiskers in these figures show annual minimum and maximum, respectively, and shaded boxes represent lower quartile through upper quartile, with the annual median at the center bar in the shaded box. Figure 5.1-7 shows the hydrograph of daily flows over the current license period (1997 to 2023). The maximum mean daily flow of 25,100 cfs occurred on January 3, 1997, and the second highest maximum mean daily flow of 15,641 cfs was recorded on March 10, 2023. WY 2023 was the wettest year on record, with a mean annual flow of 2,116 cfs.

Table 5.1-3. Annual Flow for the Fairview Dam Bypass Reach, Water Years 1997–2023

Water Year	Mean Annual Flow (cfs)	Minimum Mean Daily Flow (cfs)	Maximum Mean Daily Flow (cfs)
1997	930	45	25,100
1998	1,105	47	7,120
1999	188	42	1,300
2000	294	45	2,490
2001	210	43	1,960
2002	179	41	1,230
2003	377	41	6,030
2004	385	44	2,000
2005	945	49	6,041
2006	863	51	5,063
2007	185	47	701
2008	498	108	3,418
2009	305	51	2,403
2010	784	46	6,354
2011	1,236	110	6,245
2012	168	47	1,248
2013	134	49	499
2014	239	89	903
2015	91	26	277
2016	210	27	1,560
2017	1,607	44	6,352
2018	202	44	4,552
2019	1,002	41	5,909
2020	152	46	1,163
2021	96	39	298
2022	108	42	901
2023	2,116	46	15,641

Source: SCE; 2023b; USGS, 2023a

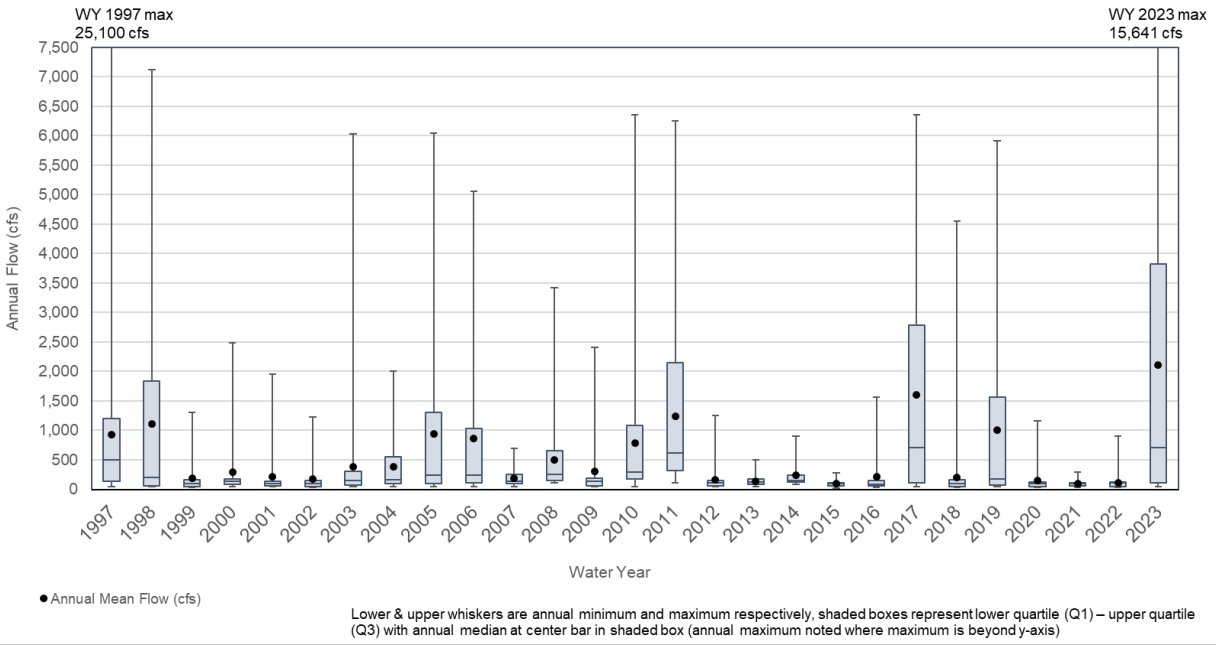
cfs = cubic feet per second

Table 5.1-4. Annual Flow for the Project Water Conveyance System, Water Years 1997–2023

Water Year	Mean Annual Flow (cfs)	Minimum Mean Daily Flow (cfs)	Maximum Mean Daily Flow (cfs)
1997	457	3	594
1998	464	3	591
1999	314	0	587
2000	251	0	589
2001	228	35	590
2002	256	1	588
2003	270	2	590
2004	125	0	553
2005	259	2	590
2006	359	2	593
2007	150	0	585
2008	115	0	313
2009	265	0	590
2010	183	0	324
2011	270	0	587
2012	283	0	591
2013	153	0	584
2014	0	0	0
2015	75	0	280
2016	246	0	587
2017	379	0	586
2018	282	20	580
2019	380	0	583
2020	265	42	582
2021	113	0	570
2022	166	0	561
2023	320	0	583

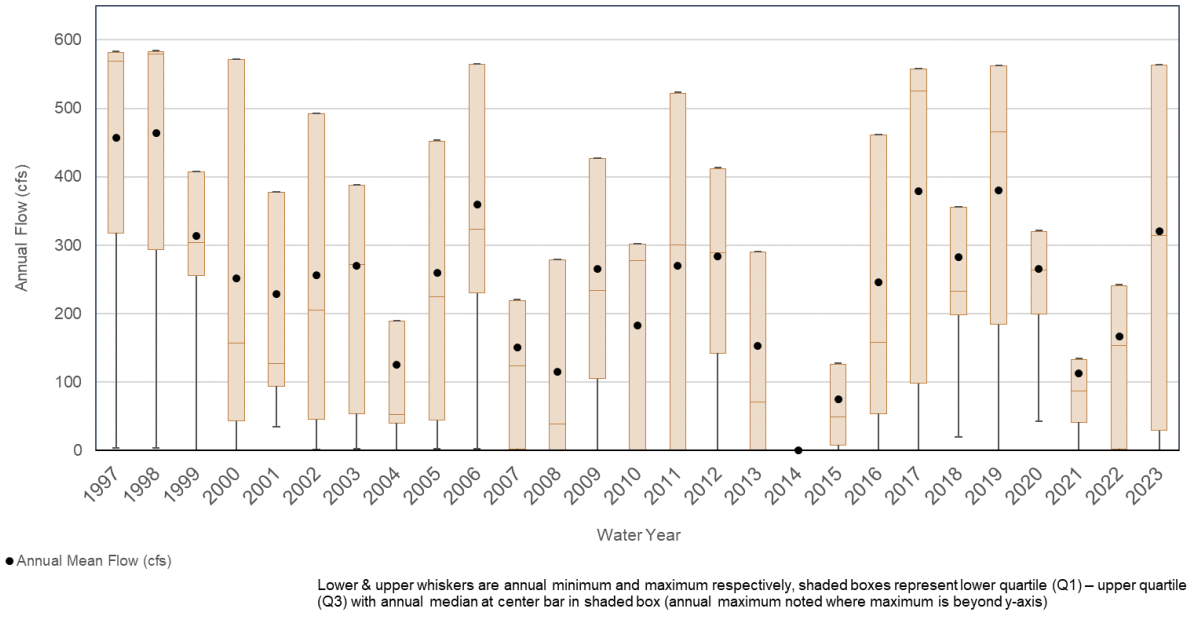
Source: SCE, 2023c; USGS, 2023b

cfs = cubic feet per second



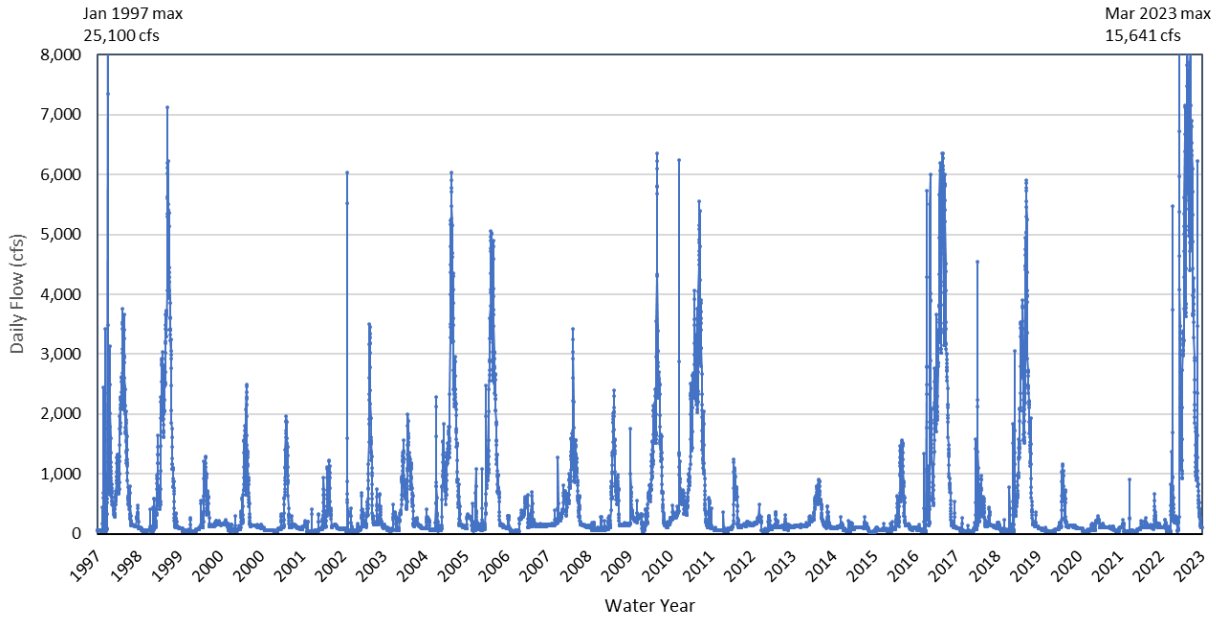
Source: SCE, 2023c; USGS, 2023a

Figure 5.1-5. Annual Flow for the Fairview Dam Bypass Reach, Water Years 1997–2023.



Source: SCE, 2023c; USGS, 2023b

Figure 5.1-6. Annual Flow for the Project Water Conveyance System, Water Years 1997–2023.



Source: SCE, 2023c; USGS, 2023a

Figure 5.1-7. Daily Flow for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.

5.1.3. Flow Duration Curves

Monthly flow duration curves for the Fairview Dam Bypass Reach (USGS gage 11186000) are given in Appendix B, Figures B-1 through B-12. Annual flow duration curves for the Fairview Dam Bypass Reach (USGS gage 11186000) and water conveyance system (USGS gage 11185500) are given in Appendix B, Figures B-13 and B-14.

5.2. California Environmental Flows Framework Results

5.2.1. Step 1a: Location of Interest

Given the intent of the analysis to inform discussions related to instream flow releases downstream of Fairview Dam, a single LOI (NFKR LOI 1) spanning the Fairview Dam Bypass Reach, from immediately downstream of Fairview Dam (River Mile [RM] 18.6) to the KR3 Powerhouse (RM 3.1), was selected for CEFF Section A evaluation (Table 5.2-1 and Figure 5.2-1).

Table 5.2-1. Summary of North Fork Kern River Location of Interest for California Environmental Flows Framework Section A Analysis

Location of Interest	From	To	Description
NFKR LOI 1	RM 3.1	RM 18.6	NFKR immediately downstream of Fairview Dam

LOI = location of interest; NFKR = North Fork Kern River; RM = River Mile

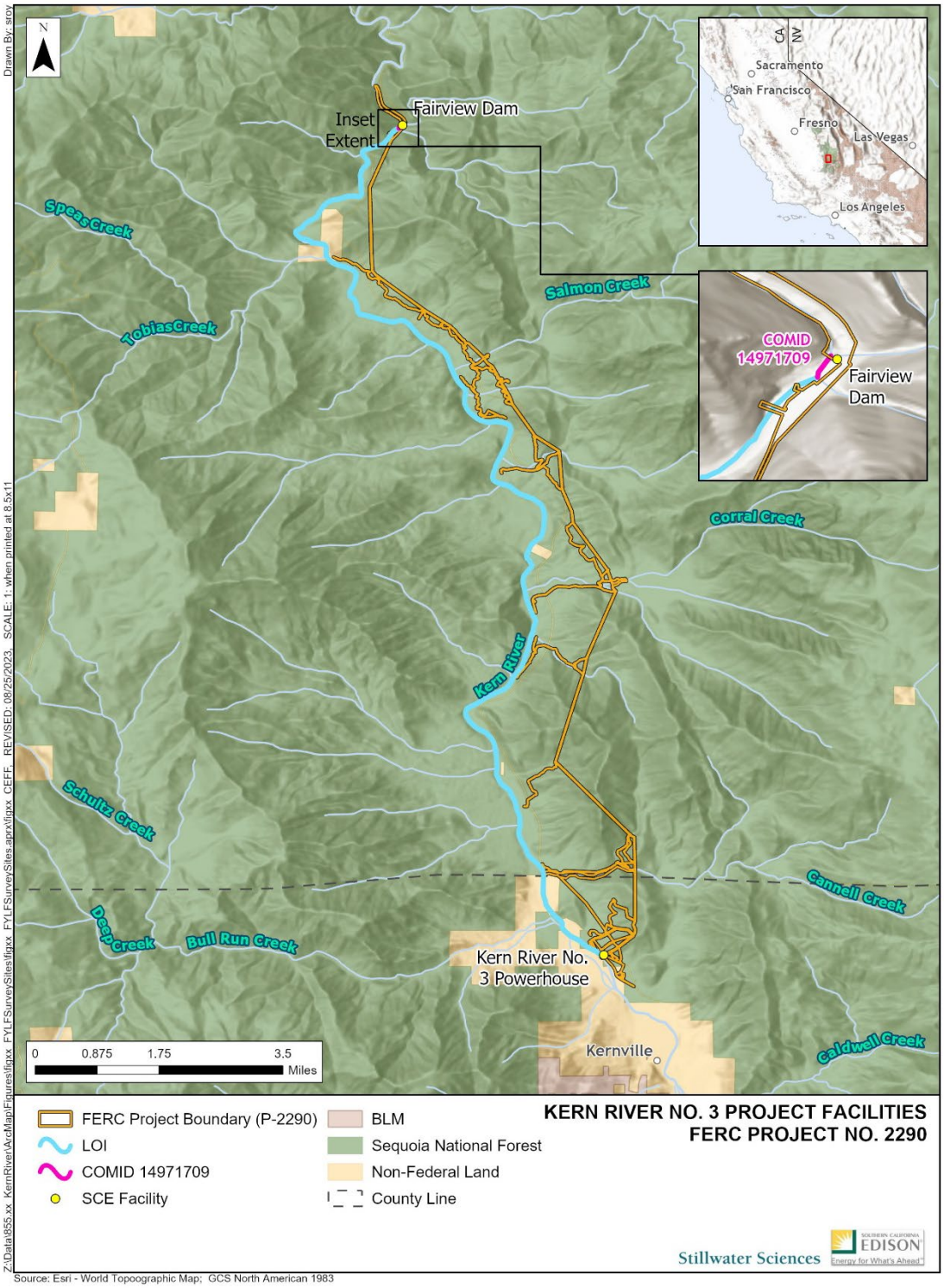


Figure 5.2-1. North Fork Kern River, California Environmental Flows Framework Location of Interest, Fairview Dam Bypass Reach.

5.2.2. STEP 1B: ECOLOGICAL MANAGEMENT GOALS

Six EMGs were identified for the LOI from a literature review of federal, state, and local policies, programs, and plans. The six EMGs range from very broad to species-specific. Table 5.2-2 summarizes these six EMGs, sorted chronologically by planning source.

Table 5.2-2. Ecological Management Goals for the North Fork Kern River California Environmental Flows Framework Section A Analysis

EMG #	Ecological Management Goal	Planning Document Source
EMG 1	Restore the structure and composition of riparian areas	*Land Management Plan for the Sequoia National Forest* (Forest Service, 2023)
EMG 2	Abundance and Richness: Maintain and increase ecosystem and native species distributions in California, while sustaining and enhancing species abundance and richness	*California State Wildlife Action Plan* (CDFW, 2015)[a]
EMG 3	Enhance Ecosystem Conditions: Maintain and improve ecological conditions vital for sustaining ecosystems in California	
EMG 4	Enhance Ecosystem Functions and Processes: Maintain and improve ecosystem functions and processes vital for sustaining ecosystems in California	
EMG 5	Protect and restore cold-water ecosystems	*Strategic Plan for Trout Management: A Plan for 2004 and Beyond* (CDFW, 2003)[a]
EMG 6	Protect and enhance native fish populations and their habitats	*Upper Kern Basin Fishery Management Plan* (CDFG, 1995)

CDFW = California Department of Fish and Wildlife; EMG = ecological management goal
Notes:
[a] State-wide plan

5.2.3. STEP 1C: ECOSYSTEM FUNCTIONS TO ACHIEVE ECOLOGICAL MANAGEMENT GOALS

Ecosystem functions identified as essential for achieving the six EMGs in NFKR LOI 1 are summarized in Table 5.2-3. Ecosystem functions not identified as essential for NFKR EMGs may still be important for the overall NFKR ecosystem health but were less critical to achieving the NFKR EMGs.

Table 5.2-3. Ecosystem Functions for the North Fork Kern River California Location of Interest 1, Environmental Flows Framework, Section A Analysis

Functional Flow Component	Ecosystem Function	EMG 1	EMG 2	EMG 3	EMG 4	EMG 5	EMG 6
Fall pulse flow	Flush fine sediment and organic material from substrate		●	●	●	●	●
	Increase longitudinal connectivity						
	Increase riparian soil moisture	●	●	●	●	●	●
	Flush organic material downstream and increase nutrient cycling	●	●	●	●	●	●
	Modify salinity conditions in the estuary/tidally influenced river						
	Reactivate exchanges/connectivity with hyporheic zone	●	●	●	●	●	●
	Decrease water temperature and increase dissolved oxygen	●	●	●	●	●	●
	Support fish migration to spawning areas						
Wet-season baseflow	Increase longitudinal connectivity	●	●	●	●	●	●
	Increase shallow groundwater (riparian)	●	●	●	●	●	
	Support hyporheic exchange	●	●	●	●	●	●
	Support migration, spawning, and residency of aquatic organisms		●	●	●	●	●
	Support channel margin riparian habitat	●	●	●	●	●	●
Wet-season peak flow	Scour and deposit sediments and large wood in channel and floodplains and overbank areas	●	●	●	●	●	●
	Encompasses maintenance and rejuvenation of physical habitat	●	●	●	●	●	●
	Increase lateral connectivity, recharge groundwater (floodplains)	●	●	●	●	●	●
	Increase nutrient cycling on floodplains	●	●	●	●	●	●
	Increase exchange of nutrients and organic matter between floodplains and channel	●	●	●	●	●	●
	Support fish spawning and rearing in floodplains and overbank areas		●	●	●	●	●

Functional Flow Component	Ecosystem Function	EMG 1	EMG 2	EMG 3	EMG 4	EMG 5	EMG 6
	Support plant biodiversity via disturbance, riparian succession, and extended inundation in floodplains and overbank areas	●	●	●	●	●	●
	Limit vegetation encroachment and non-native aquatic species via disturbance	●	●	●	●	●	●
Spring recession flow	Sorting of sediments via increased sediment transport and size selective deposition	●	●	●	●	●	●
	Recharge groundwater (floodplains)	●	●	●	●	●	●
	Increase lateral and longitudinal connectivity	●	●	●	●	●	●
	Decrease water temperatures and increase turbidity		●	●	●	●	●
	Increase export of nutrients and primary producers from floodplain to channel	●	●	●	●	●	●
	Provide hydrologic cues for fish outmigration and amphibian spawning; support juvenile fish rearing		●	●	●	●	●
	Increase hydraulic habitat diversity and habitat availability resulting in increased algal productivity, macroinvertebrate diversity, arthropod diversity, fish diversity, and general biodiversity	●	●	●	●	●	●
	Provide hydrologic conditions for riparian species recruitment	●	●	●	●	●	●
	Limit riparian vegetation encroachment into channel	●	●	●	●	●	●
Dry-season baseflow	Maintain riparian soil moisture	●	●	●	●	●	
	Limit longitudinal connectivity in ephemeral streams; limit lateral connectivity to disconnect floodplains	●	●	●	●	●	●
	Maintain longitudinal connectivity in perennial streams	●	●	●	●	●	●
	Maintain water temperature and dissolved oxygen	●	●	●	●	●	●
	Maintain habitat availability for native aquatic species (broadly)	●	●	●	●	●	●
	Condense aquatic habitat to limit non-native species and support for native predators	●	●	●	●	●	●
	Support primary and secondary producers	●	●	●	●	●	●

EMG = ecological management goal (see Table 5.2-2)

5.2.4. STEP 2: OBTAIN NATURAL RANGES OF FUNCTIONAL FLOW METRICS

The National Hydrography Dataset Plus COMID 14971709 was selected as representative of NFKR LOI 1 because it is the upstream-most stream section within the LOI (Table 5.2-1 and Figure 5.2-1) and corresponds with the location of USGS gage 11186000, immediately downstream of Fairview Dam (Figure 3-1). In the CEFF context, the range (10th percentile, median, and 90th percentile) of natural functional flows for each metric at COMID 14971709 characterize the predicted (modeled) flow metrics for the study LOI. The natural functional flow metrics for predicted natural flows, observed flows at Fairview Dam and in the Fairview Dam Bypass Reach are compiled in Table 5.2-4.

Table 5.2-4. Functional Flow Metrics from the California Natural Flows Database for the North Fork Kern River Location of Interest 1, California Environmental Flows Framework, Section A Analysis[a]

Functional Flow Component	Flow Metric	Unit	Predicted Natural Range at NFKR LOI 1			Observed Range at Fairview Dam Inflow			Observed Range at NFKR		
			COMID 14971709			Sum of USGS Gage 11186000 and USGS Gage 111865500			USGS Gage 11186000		
			10th percentile	Median	90th percentile	10th percentile	Median	90th percentile	10th percentile	Median	90th percentile
Fall pulse flow	Fall pulse magnitude	Cfs	202	506	1,069	267	489	1,040	89	200	435
	Fall pulse start	day of WY	3 (4-Oct)	42 (12-Nov)	64 (4-Dec)	6 (7-Oct)	45 (15-Nov)	69 (9-Dec)	0 (1-Oct)	17 (18-Oct)	50 (20-Nov)
	Fall pulse duration	Days	2 (to 6-Oct)	3 (to 15-Nov)	7 (to 11-Dec)	2 (to 9-Oct)	3 (to 18-Nov)	6 (to 15-Dec)	2 (to 3-Oct)	4 (to 22-Oct)	9 (to 29-Nov)
Wet-season baseflow	Wet-season baseflow	Cfs	177	335	516	214	395	769	48	91	400
	Wet-season median baseflow	Cfs	636	1,001	1,810	468	924	2,487	107	617	2,097
	Wet-season start	day of WY	120 (29-Jan)	158 (8-Mar)	185 (4-Apr)	109 (18-Jan)	149 (27-Feb)	171 (21-Mar)	112 (21-Jan)	166 (16-Mar)	194 (13-Apr)
	Wet-season duration	Days	60 (to 30-Mar)	92 (to 8-Jun)	143 (to 25-Aug)	75 (to 3-Apr)	102 (to 9-Jun)	141 (to 9-Aug)	56 (to 18-Mar)	87 (to 11-Jun)	164 (to 24-Sep)
Wet-season peak flow	2-year flood magnitude	Cfs	2,150	3,890	8,410	3,070	3,070	3,070	2,435	2,435	2,435
	2-year flood duration	Days	1	13	47	1	15	66	2	33	69
	2-year flood frequency	occurrences	1	2	5	1	2	6	1	3	7
	5-year flood magnitude	Cfs	4,580	7,310	16,800	5,640	5,640	5,640	6,038	6,038	6,038

Functional Flow Component	Flow Metric	Unit	Predicted Natural Range at NFKR LOI 1			Observed Range at Fairview Dam Inflow			Observed Range at NFKR		
			COMID 14971709			Sum of USGS Gage 11186000 and USGS Gage 111865500			USGS Gage 11186000		
			10th percentile	Median	90th percentile	10th percentile	Median	90th percentile	10th percentile	Median	90th percentile
	5-year flood duration	Days	1	2	12	1	5	27	1	3	22
	5-year flood frequency	occurrences	1	1	3	1	1	3	1	1	3
	10-year flood magnitude	Cfs	3,530	11,400	30,000	6,870	6,870	6,870	6,756	6,756	6,756
	10-year flood duration	Days	1	1	4	1	2	23	1	3	23
	10-year flood frequency	occurrences	1	1	1	1	1	2	1	1	2
Spring recession flow	Spring recession magnitude	Cfs	1,375	2,679	4,625	967	2,770	4,950	437	1,840	5,855
	Spring start	day of WY	236 (25-May)	255 (13-Jun)	273 (1-Jul)	233 (22-May)	253 (11-Jun)	269 (27-Jun)	230 (19-May)	252 (10-Jun)	282 (10-Jul)
	Spring duration	Days	49 (to 13-Jul)	73 (to 25-Aug)	104 (to 13-Oct)	60 (to 21-Jul)	79 (to 29-Aug)	100 (to 5-Oct)	28 (to 16-Jun)	53 (to 2-Aug)	94 (to 12-Oct)
	Spring rate of change	%	4.3%	6.1%	8.9%	3.2%	3.9%	4.9%	4.3%	8.7%	13.8%
Dry-season baseflow	Dry-season baseflow	Cfs	66	195	366	139	216	357	29	56	135
	Dry-season high baseflow	Cfs	144	398	930	189	353	595	76	111	324
	Dry-season start	day of WY	296 (24-Jul)	326 (23-Aug)	353 (19-Sep)	309 (6-Aug)	334 (31-Aug)	353 (19-Sep)	276 (4-Jul)	309 (6-Aug)	340 (6-Sep)

Functional Flow Component	Flow Metric	Unit	Predicted Natural Range at NFKR LOI 1			Observed Range at Fairview Dam Inflow			Observed Range at NFKR		
			COMID 14971709			Sum of USGS Gage 11186000 and USGS Gage 111865500			USGS Gage 11186000		
			10th percentile	Median	90th percentile	10th percentile	Median	90th percentile	10th percentile	Median	90th percentile
	Dry-season duration	Days	150 (to 21-Dec)	198 (to 9-Mar)	236 (to 13-May)	131 (to 15-Dec)	179 (to 26-Feb)	211 (to 18-Apr)	163 (to 14-Dec)	215 (to 9-Mar)	261 (to 25-May)

% = percent; cfs = cubic feet per second; COMID = COMmon IDentifier; LOI = location of interest; NFKR = North Fork Kern River; WY = water year

Note:

[a] WYs extend from October 1 to September 30, so October 1 is day 0 of the WY. Interpolated dates from flow metrics “start” and “duration” assume non-leap years.

5.2.5. STEP 3: EVALUATE WHETHER THE NATURAL RANGES OF FUNCTIONAL FLOW METRICS SUPPORTS ECOSYSTEM FUNCTIONS NEEDED TO ACHIEVE ECOLOGICAL MANAGEMENT GOALS

There were no modifications identified in the NFKR LOI 1 that would constitute a non-flow limiting factor and influence whether the range of natural functional flows would support the ecosystem functions needed to achieve the established EMGs of the NFKR.

5.2.6. STEP 4: SELECT ECOLOGICAL FLOW CRITERIA

The natural range of functional flow metrics specified in Step 2 (Table 5.2-4) were selected as the ecological flow criteria for NFKR LOI 1 because there were no non-flow limiting factors identified in Step 3 and the range of natural functional flow metrics were expected to support the ecosystem functions required to achieve the six EMGs for NFKR LOI 1 (Table 5.2-2).

5.3. FLOW TRAVEL TIME

Travel time between Fairview Dam and the KR3 Powerhouse was calculated at 52 intervals representing flows from approximately 100 cfs to approximately 26,400 cfs during the study period of February 7, 2023, to August 5, 2024. Figure 5.3-1 shows 48 travel times from approximately 100 cfs to approximately 9,000 cfs in a non-linear, power curve relationship between flows and travel time. This figure represents subset of the total intervals without the four highest flows for the purpose of focusing the graph on the majority of the flows. From the graph, it is evident that the lower flows correlate to longer travel times while the higher flows correspond to shorter travel times between Fairview Dam and KR3 Powerhouse. For example, at approximately 120 cfs, the travel time between Fairview Dam and the KR3 Powerhouse is approximately 8.5 hours, while at approximately 9,000 cfs, the travel time is only 2 hours. Consistent with the FERC study plan determination, the travel times between 120 and 1,440 cfs are shown in Table 5.3-1 and Figure 5.3-2 below.

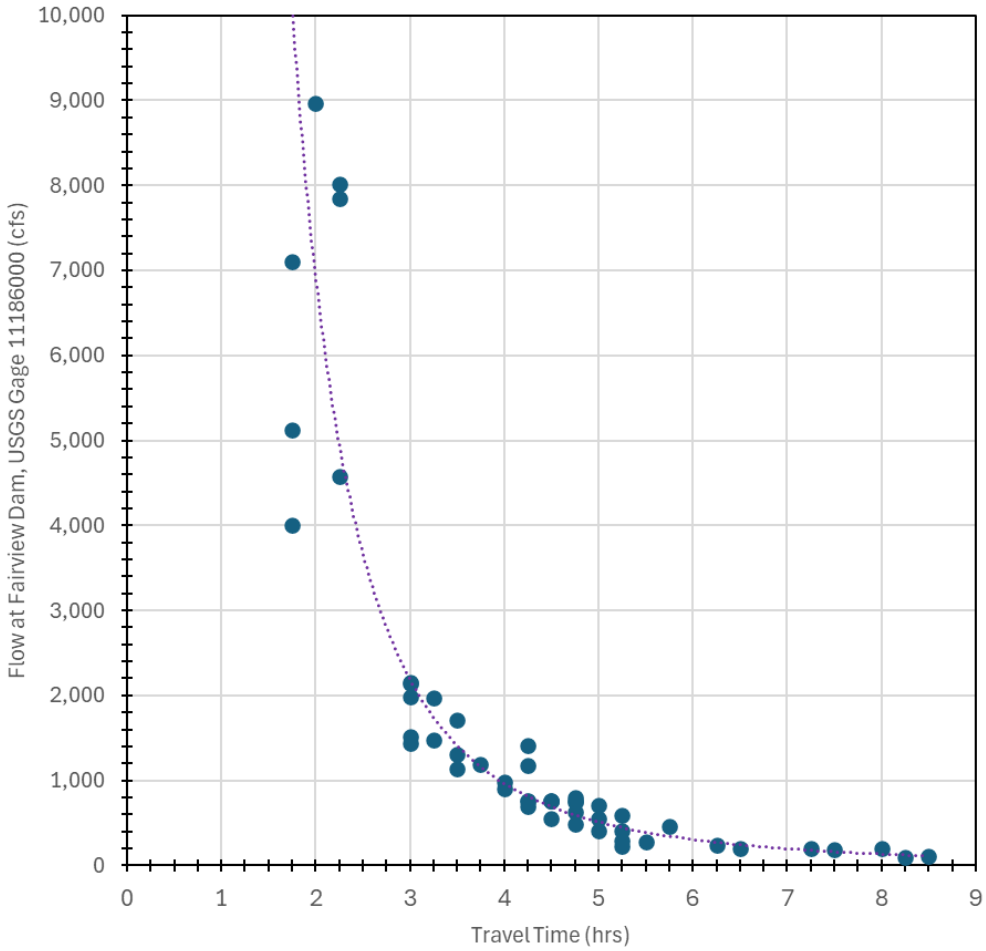


Figure 5.3-1. North Fork Kern River Estimated Travel Time between Fairview Dam and Powerhouse, February 2023–August 2024.

Table 5.3-1. North Fork Kern River Estimated Travel Time between Fairview Dam and Kern River No. 3 Powerhouse

NFKR Flow (cfs)	Time (hours)
120	8.5
200	7.25
290	5.25
410	5.0
550	4.5
640	4.75
750	4.75
900	4.0
990	4.0
1,140	3.5
1,190	3.75
1,310	3.5
1,440	3.0

cfs = cubic feet per second; NFKR = North Fork Kern River

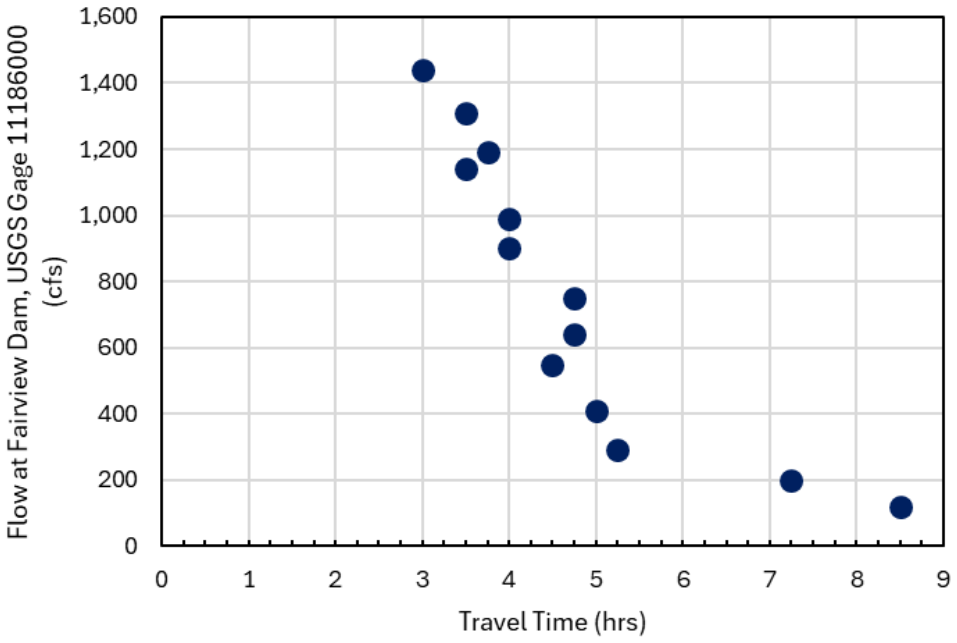


Figure 5.3-2. North Fork Kern River Estimated Travel Time between Fairview Dam and Kern River No. 3 Powerhouse.

Figures 5.3-3 through 5.3-5 show examples of how travel time was estimated from comparing inflection points in flows and river stage. Interval 1 (Figure 5.3-3) occurred while KR3 was not diverting flow from the NFKR, and the water conveyance system and penstock flow are both consistent at 0 cfs. Flow immediately downstream of Fairview Dam (measured at USGS gage 11186000) increased consistently from 6 p.m. on August 20, 2023, until just before noon on August 21, 2023, and a similar increase in stage was measured downstream at the KR3 Powerhouse, with the increase in stage ending just before 2 p.m. on August 21, 2023. Comparing the times of the peaks at both locations (the blue circle and the green circle) provides an estimated time of 2 hours for a flow of 9,000 cfs to travel from Fairview Dam to the KR3 Powerhouse.

Interval 2 (Figure 5.3-4) is an example of estimating travel time when the water conveyance system was flowing at capacity at just under 600 cfs and flows increased in the river during the morning on both April 3 and 4, 2024. Comparing the inflection points on April 3, 2024 (the blue and green circles), provides an estimated travel time of 5.25 hours at 290 cfs, and comparing the inflection points on April 4, 2024 (the blue triangle and the green triangle), provides an estimated travel time of 5 hours at 410 cfs from Fairview Dam to the KR3 Powerhouse.

Interval 3 (Figure 5.3-5) is an example of estimating travel time during whitewater release flow changes, when diversions were decreased during recreation hours on June 21 and 22, 2024. NFKR flows downstream of Fairview Dam increased steadily between 6 a.m. and 10 a.m. on June 21, 2024, to approximately 800 cfs, and increased steadily again between 5 a.m. and 10 a.m. on June 22, 2024, to approximately 760 cfs, while the conveyance flows decreased commensurately during each of those periods. Comparing

the inflection points on June 21, 2024 (the blue and green circles), and on June 22, 2024 (the blue and green triangles), provides an estimated travel time of 4.75 hours at 760 to 800 cfs from Fairview Dam to the KR3 Powerhouse.

Figure 5.3-5 also highlights changes in flows downstream of the KR3 Powerhouse that can occur due to differences in travel times between the flow in the river channel and flow in the water conveyance system. This difference corresponds to the shorter flow travel time in the 13-mile-long water conveyance system compared with the longer flow travel time in the 16-mile-long river segment. Comparing the inflection points in Figure 5.3-5, it is evident that the time difference for flow to travel from upstream end of the water conveyance system to the KR3 Powerhouse (between the USGS gage 11165500 [orange line] and the KR3 penstock gage [turquoise line]) is shorter than the time difference for flow to travel in the NFKR from Fairview Dam to the KR3 Powerhouse (between the USGS gage 11165000 [blue line] and the KR3 Powerhouse river stage gage [green line]).

When diversion rates at Fairview Dam are decreased and flow is increased in the NFKR downstream of Fairview Dam, the faster travel time in the water conveyance system can cause an initial, brief decrease in flow downstream of the KR3 Powerhouse (noticeable in the river stage gage [green line] around noon on both June 21 and June 22, 2024, in Figure 5.3-5). Similarly, there is a brief increase in flow in the NFKR downstream of KR3 Powerhouse as releases from Fairview Dam are decreased and diversion rates are increased (noticeable in the river stage gage [green line] around 9 p.m. on both June 21 and June 22, 2024, in Figure 5.3-5). The shape of this curve is attenuated by ramping at Fairview Dam and is not always visible due to other factors affecting streamflow in the bypass reach, such as diurnal flow patterns, tributary flow inputs, and stream roughness.

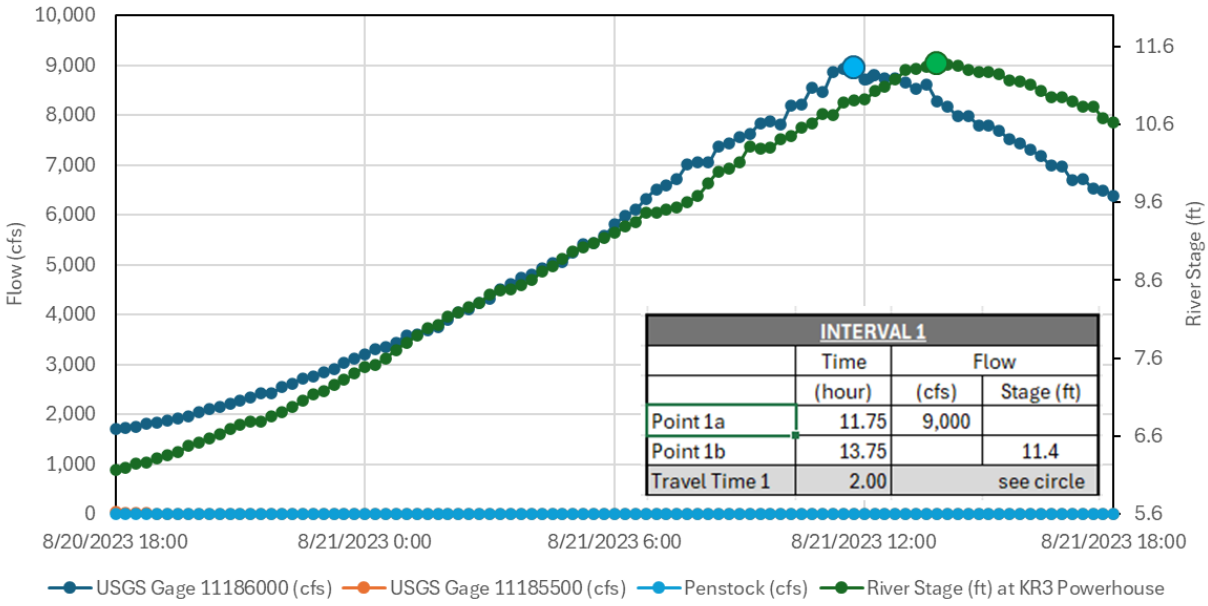


Figure 5.3-3. Flow Travel Time Analysis, Interval 1.

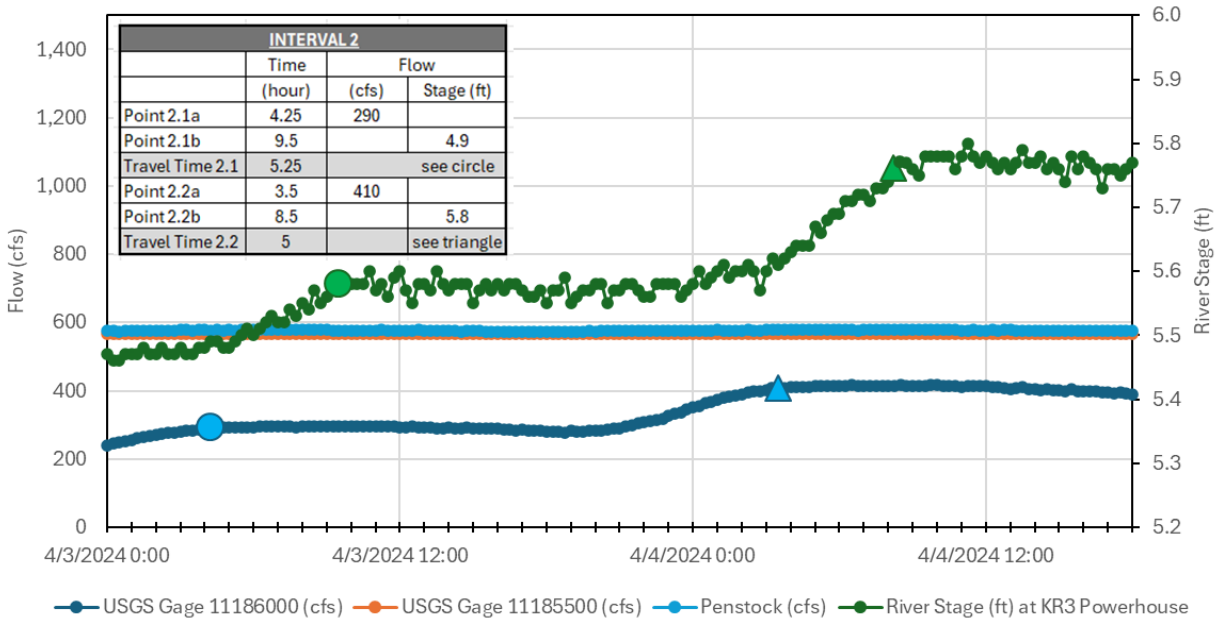


Figure 5.3-4. Flow Travel Time Analysis, Interval 2.

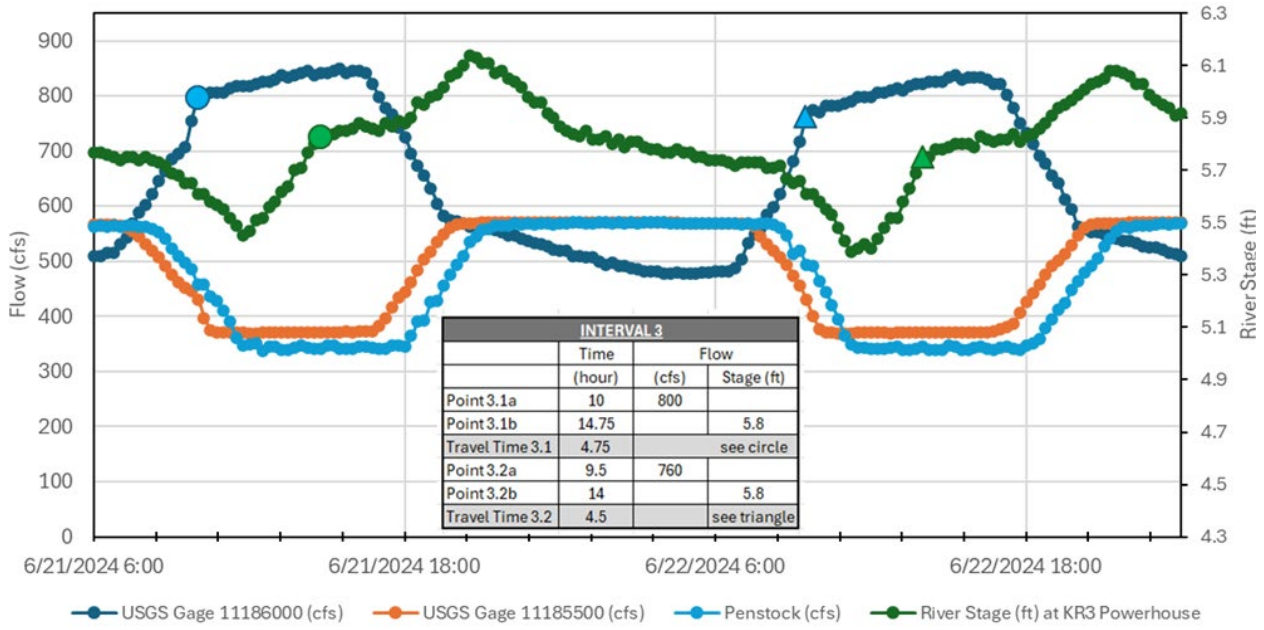


Figure 5.3-5. Flow Travel Time Analysis, Interval 3.

5.4. SALMON AND CORRAL CREEKS DIVERSIONS

Flow diversion data collected within the study period at Salmon and Corral Creeks provide information regarding frequency of diversions and a sense of the natural variability of flow in the creeks, as shown in Table 5.4-1 and Figures 5.4-1 and 5.4-2. In the 21 months that the dataset encompasses, MIF in Salmon and Corral Creeks was met naturally 17 percent and 23 percent of the time, respectively, and the surplus was diverted into the water

conveyance system. For the remainder of the study period, the natural flow in each creek was less than the MIF. For the wet WY 2023, Salmon and Corral Creeks diverted 30 percent and 27 percent of the time, respectively, with a mean diverted flow of 0.3 cfs in Salmon Creek and 5.1 cfs in Corral Creek. In the drier WY 2024, Salmon Creek did not reach the diversion threshold and Corral Creek diverted 18 percent of the study period, with a mean diverted flow of 3.9 cfs.

Table 5.4-1. Flow Diversions at Salmon and Corral Creeks

Stream	Frequency of Diversion			Mean Diverted Flow (cfs)[a]	
	WY 2023	WY 2024[b]	Total Diversions in Study Period	WY 2023	WY 2024[b]
Salmon Creek	30%	0%	17%	0.3	0.0
Corral Creek	27%	18%	23%	5.1	3.9

% = percent; cfs = cubic feet per second; WY = water year
Notes:
[a] Mean of diversions when minimum instream flow has been met in creek. No diversions occur when creek flow is below minimum instream flow.
[b] Data representative of 77 percent of WY 2024, October 1, 2023-July 9, 2024.

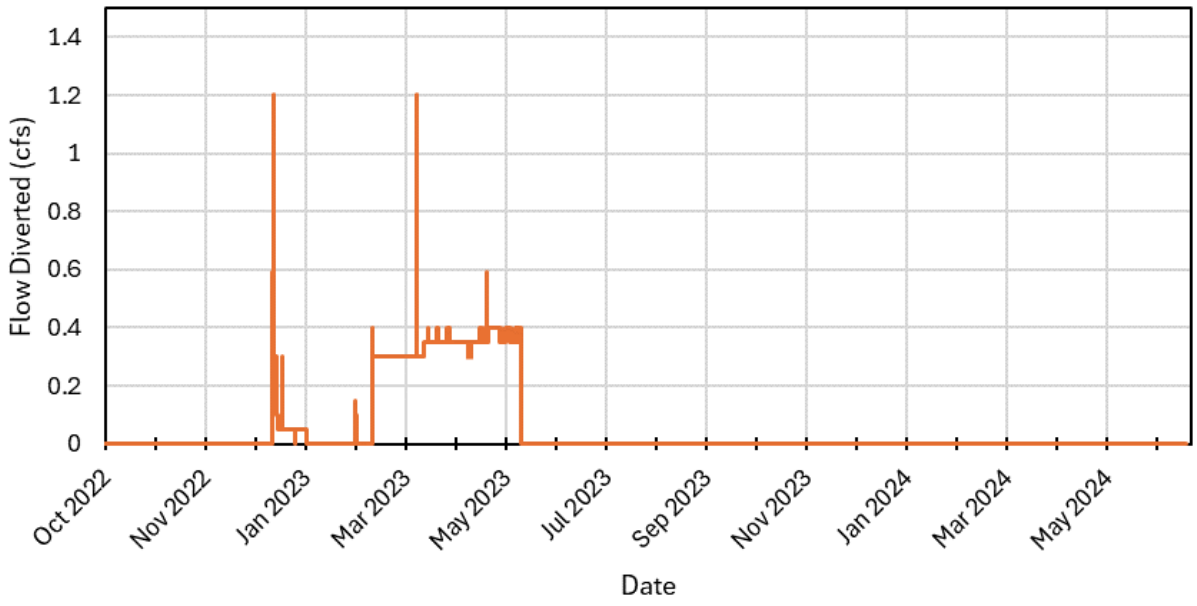


Figure 5.4-1. Salmon Creek Diversions to the Water Conveyance System, October 2023 through June 2024.

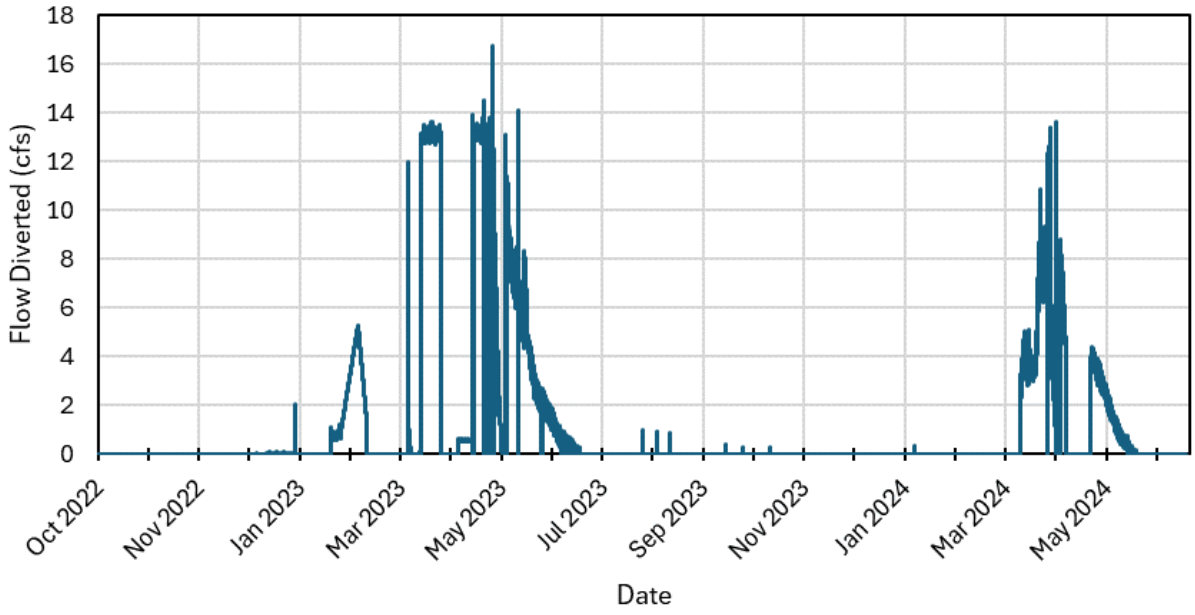


Figure 5.4-2. Corral Creek Diversions to the Water Conveyance System, October 2023 through June 2024.

5.5. THEORETICAL HYDROLOGY EXCLUDING EXTENDED OUTAGES

During WYs 2005 to 2023, there were 2,239 days of extended outages, representing 32 percent of total days in the study period (Table 5.5-1). This includes WYs 2008, 2010, and 2014 when KR3 Powerhouse was offline 100 percent of the year. Overall, these extended outages were primarily scheduled in the fall and winter months when natural inflows to Fairview Dam were at their lowest (Table 5.5-2).

The mean annual flow upstream of Fairview Dam in the hydrology dataset from Section 4.1, *Study Plan Variances* (WYs 1997 to 2023), was classified into tertiles (for dry, moderate, and wet water year types), as shown in Figure 5.5-1. Most extended outage days occurred during dry years (Tables 5.5-3 through 5.5-5). Across all water years, extended outages reduced diversions by the greatest absolute number of days during the spring, when natural flows tend to be highest, whereas extended outages reduced diversions by the greatest percentages during the fall and winter months, when natural flows tend to be lower (Tables 5.5-6 through 5.5-8 and Figures 5.5-2 through 5.5-4).

Table 5.5-1. Annual Number of Extended Outage Days, Water Years 2005–2023

Water Year	Number of Extended Outage Days	Percent Extended Outage Days	Water Year Type
2005	13	4	Wet
2006	75	20	Wet

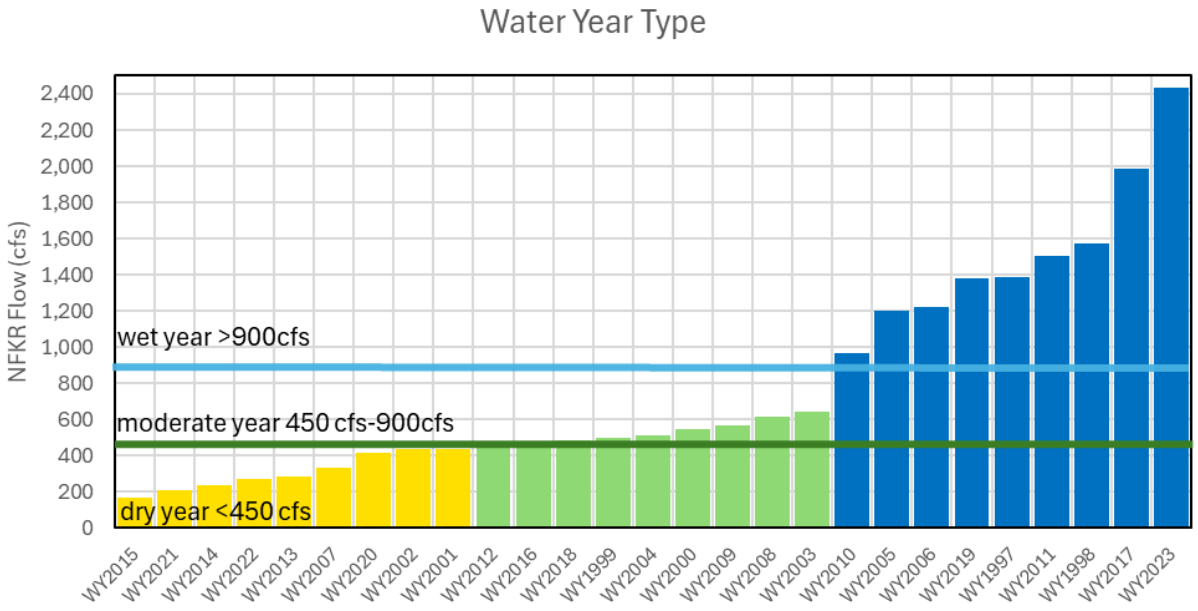
Water Year	Number of Extended Outage Days	Percent Extended Outage Days	Water Year Type
2007	231	63	Dry
2008	366	100	Moderate
2009	202	55	Moderate
2010	365	100	Wet
2011	231	63	Wet
2012	44	12	Moderate
2013	129	35	Dry
2014	365	100	Dry
2015	85	23	Dry
2016	27	7	Moderate
2017	13	3	Wet
2018	0	0	Moderate
2019	0	0	Wet
2020	0	0	Dry
2021	0	0	Dry
2022	47	13	Dry
2023	48	13	Wet
Total	**2,239**	**NA**	**NA**

NA = not applicable/no data

Table 5.5-2. Monthly Number of Extended Outage Days, Water Years 2005–2023

Month	Number of Extended Outage Days	Percent Extended Outage Days
October	309	52
November	285	50
December	235	40
January	186	32
February	153	29
March	160	27
April	132	23
May	120	20
June	90	16

Month	Number of Extended Outage Days	Percent Extended Outage Days
July	98	17
August	175	30
September	296	52
Total	**2,239**	**32**



Note:
The NFKR Flow is the sum of mean annual flows from USGS gages 11186000 and 11185500.

Figure 5.5-1. Water Year Type Tertile Classifications (for Dry, Moderate, and Wet Water Year Types), Water Years 1997–2023.

Table 5.5-3. Monthly Number of Extended Outage Days, Dry Water Years, 2005–2023

Month	Number of Extended Outage Days	Percent Extended Outage Days
October	155	71
November	150	71
December	142	66
January	93	43
February	84	43

Month	Number of Extended Outage Days	Percent Extended Outage Days
March	93	43
April	72	34
May	62	29
June	60	29
July	62	29
August	99	46
September	150	71
Total	**1,222**	**48**

Table 5.5-4. Monthly Number of Extended Outage Days, Moderate Water Years, 2005–2023

Month	Number of Extended Outage Days	Percent Extended Outage Days
October	62	40
November	60	40
December	62	40
January	62	40
February	41	29
March	31	20
April	30	20
May	31	20
June	30	20
July	36	24
August	76	49
September	117	78
Total	**638**	**35**

Table 5.5-5. Monthly Number of Extended Outage Days, Wet Water Years, 2005–2023

Month	Number of Extended Outage Days	Percent Extended Outage Days
October	123	57
November	105	50

Month	Number of Extended Outage Days	Percent Extended Outage Days
December	62	29
January	62	29
February	56	29
March	67	31
April	60	29
May	58	27
June	30	14
July	31	14
August	31	14
September	60	28
Total	**744**	**29**

% = percent

Table 5.5-6. Actual and Theoretical Monthly Mean Flows in North Fork Kern River, Dry Water Years, 2005–2023

Month	USGS Gage 11186000 Measured Flow	Theoretical Flow	Differences between Measured and Theoretical Flows	
	cfs	cfs	cfs	percent
October	121	90	31	26
November	93	44	49	52
December	102	51	51	50
January	79	55	24	30
February	112	60	52	47
March	182	107	75	41
April	204	134	71	35
May	312	235	77	25
June	158	120	39	25
July	131	129	2	2
August	135	119	15	11
September	97	84	13	13

cfs = cubic feet per second; USGS = U.S. Geologic Survey

Note:

Theoretical flow was calculated by decreasing the recorded flow measured in the bypass channel (USGS gage 11186000) by the maximum authorized diversion flow into the water conveyance system during periods of identified extended outages at KR3 Powerhouse (described in Section 4.6, *Theoretical Hydrology Excluding Extended Outages*).

Table 5.5-7. Actual and Theoretical Monthly Mean Flows in North Fork Kern River, Moderate Water Years, 2005–2023

Month	USGS Gage 11186000 Measured Flow	Theoretical Flow	Differences between Measured and Theoretical Flows	
	cfs	cfs	cfs	Percent
October	107	85	22	20
November	85	53	32	38
December	83	50	33	40
January	110	56	54	49
February	132	54	78	59
March	208	126	82	39
April	515	451	64	12
May	996	934	62	6
June	619	554	65	10
July	201	162	39	19
August	135	125	11	8
September	127	100	27	21

cfs = cubic feet per second; USGS = U.S. Geologic Survey

Note:

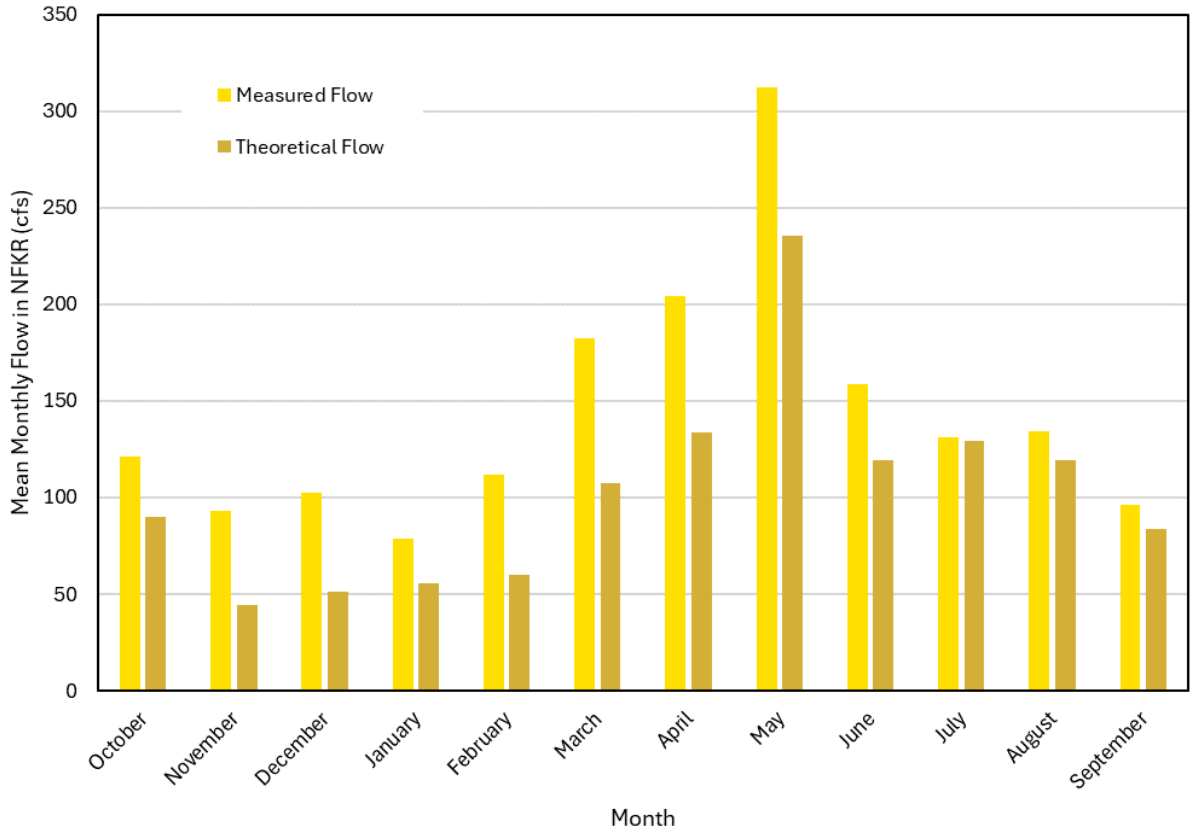
Theoretical flow was calculated by decreasing the recorded flow measured in the bypass channel (USGS gage 11186000) by the maximum authorized diversion flow into the water conveyance system during periods of identified extended outages at KR3 Powerhouse (described in Section 4.6, *Theoretical Hydrology Excluding Extended Outages*).

Table 5.5-8. Actual and Theoretical Monthly Mean Flows in North Fork Kern River, Wet Water Years, 2005–2023

Month	USGS Gage 11186000 Measured Flow	Theoretical Flow	Differences Between Measured and Theoretical Flows	
	cfs	cfs	cfs	Percent
October	195	108	88	45
November	165	62	104	63
December	230	133	97	42
January	489	389	101	21
February	439	376	64	14
March	1,085	999	87	8
April	1,846	1,759	87	5
May	3,553	3,460	93	3
June	4,096	4,052	44	1
July	1,954	1,911	42	2
August	416	409	7	2

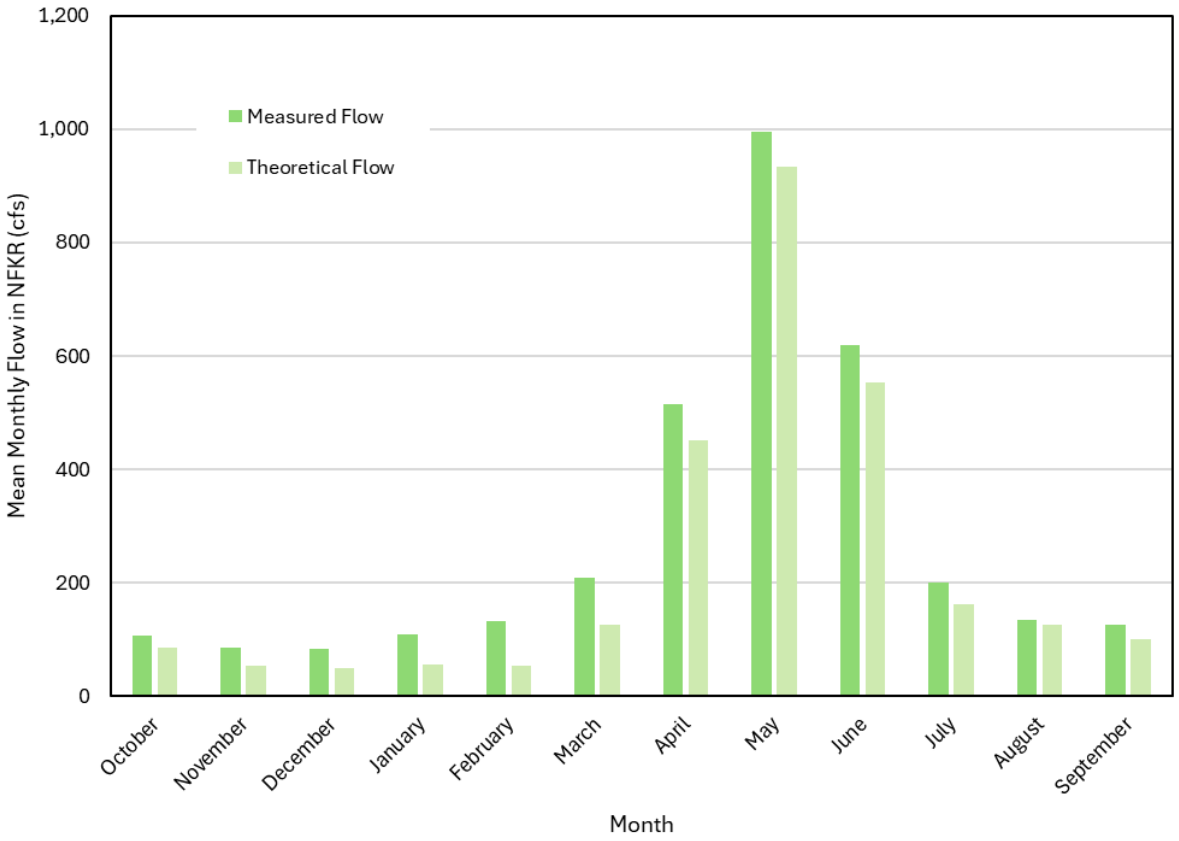
Month	USGS Gage 11186000 Measured Flow	Theoretical Flow	Differences Between Measured and Theoretical Flows	
	cfs	cfs	cfs	Percent
September	161	151	10	6

cfs = cubic feet per second; USGS = U.S. Geologic Survey
Note:
Theoretical flow was calculated by decreasing the recorded flow measured in the bypass channel (USGS gage 11186000) by the maximum authorized diversion flow into the water conveyance system during periods of identified extended outages at KR3 Powerhouse (described in Section 4.6, *Theoretical Hydrology Excluding Extended Outages*).



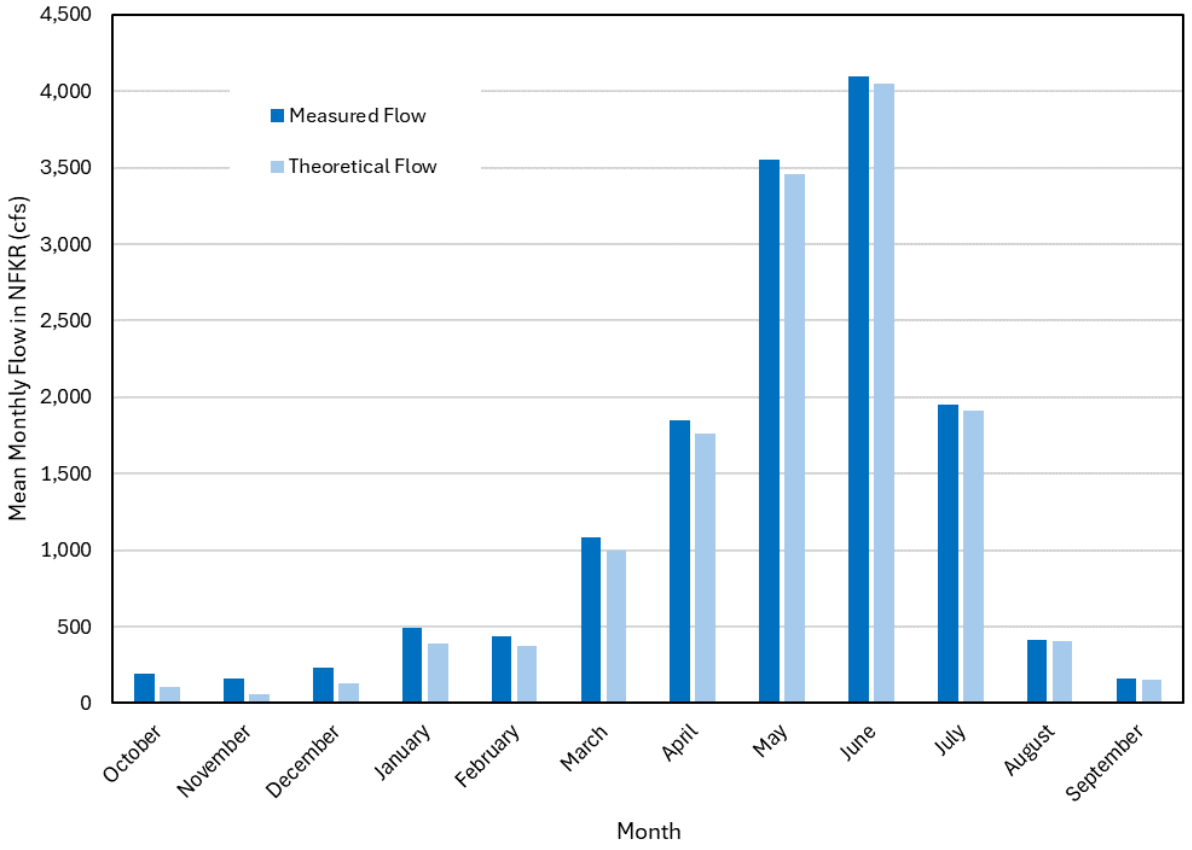
Note:
Theoretical flow was calculated by decreasing the recorded flow measured in the bypass channel (USGS gage 11186000) by the maximum authorized diversion flow into the water conveyance system during periods of identified extended outages at KR3 Powerhouse (described in Section 4.6, *Theoretical Hydrology Excluding Extended Outages*).

Figure 5.5-2. Measured Compared with Theoretical Mean Monthly Flows, Dry Water Years, 2005–2023.



Note:
Theoretical flow was calculated by decreasing the recorded flow measured in the bypass channel (USGS gage 11186000) by the maximum authorized diversion flow into the water conveyance system during periods of identified extended outages at KR3 Powerhouse (described in Section 4.6, *Theoretical Hydrology Excluding Extended Outages*).

Figure 5.5-3. Measured Compared with Theoretical Mean Monthly Flow, Moderate Water Years, 2005–2023.



Note:
Theoretical flow was calculated by decreasing the recorded flow measured in the bypass channel (USGS gage 11186000) by the maximum authorized diversion flow into the water conveyance system during periods of identified extended outages at KR3 Powerhouse (described in Section 4.6, *Theoretical Hydrology Excluding Extended Outages*).

Figure 5.5-4. Measured Compared with Theoretical Mean Monthly Flow, Wet Water Years, 2005–2023.

5.6. CANNELL CREEK SIPHON SPILLWAY AND FOREBAY SPILLWAY

Over the 18-month study period, a total of 34 spill events occurred at the Cannell Creek Siphon Spillway lasting a total of 8,808 minutes (147 hours, or 6 days) (Table 5.6-1). Spill events occurred at a rate of 1.89 spills per month during this period. Nearly half of the total spill time occurred during forced outages (e.g., unplanned outages occur as a result of unit malfunction, insufficient flows to run one or both units, or periods of insufficient flows to generate), although these events only accounted for a third of the total number of events. Scheduled outages accounted for 21 percent of the total spill time, followed by suspension of Project operations due to high suspended sediment levels and Penstock service events, each at around 14 percent. Flushing of the tunnel rock (e.g., rock drop) located upstream of the Cannell Creek Siphon Spillway accounted for a fifth of the total number of events, but only 3 percent of the spill time.

Table 5.6-1. Cannell Creek Siphon Spillway Event Summary, January 2023 to June 2024

Reasons for Spill Event	Count of Events	Sum of Minutes	Percent Sum of Minutes (%)	Average of Minutes per Event
Flushing[a]	7	223	3	32
Pause generation due to turbid water	5	1,260	14	252
Forced outage	11	4,240	48	385
Pause generation for penstock maintenance	5	1,230	14	246
Scheduled Outage	6	1,855	21	309
Total	**34**	**8,808**	**100**	**NA**

% = percent; NA = not applicable/no data
Note:
[a] Flushing only occurs at Cannell Creek Siphon Spillway not Forebay Spillway.

Spill volume was estimated as potential maximum spill using available penstock and conveyance data during the time of the spill. Due to limited availability of the penstock data, only 30 of the 34 points were analyzed. Events causing spills resulted in releases from 5 to 289 cfs in each spillway channel. Spills caused by outages due to suspended sediment levels, scheduled maintenance, and other unplanned forced outages caused the highest spill flows (Table 5.6-2).

Table 5.6-2. Cannell Creek Siphon and Forebay Spillways Estimated Potential Spill Flow, February 2023 to June 2024

Reasons for Spill Event	Count of Events	Estimated Potential Flow at Each Spillway (cfs)		
		Minimum	Mean	Maximum Instantaneous
Flushing[a]	7	17	48	101
Pause generation due to turbid water	4	38	177	289
Forced Outage	9	8	91	161
Pause generation for penstock maintenance	4	32	55	83
Scheduled Outage	6	5	92	269
Total	**30**	**5**	**92**	**289**

cfs = cubic feet per second
Note:
[a] Flushing only occurs at Cannell Creek Siphon Spillway not Forebay Spillway.

6.0 STUDY-SPECIFIC CONSULTATION

The hydrology dataset from both USGS gages 11185500 and 11186000 beginning October 1, 1996, through September 30, 2021, was provided to Relicensing Participants via email on June 30, 2023, with a link to the Project website. The data from WYs 2022 and 2023 were provided to Relicensing Participants on March 29, 2024, and June 14, 2024, respectively (SCE, 2023b).

7.0 OUTSTANDING STUDY PLAN ELEMENTS

There are no outstanding study plan elements.

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APPENDIX A
SALMON CREEK AND CORRAL CREEK
ROUTINE INSPECTION AND ANNUAL FLOW REPORTS

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[SUMMARY OF FINAL SUBMITTED VERSION]

REPORT OF LICENSEE FOR 2019

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Primary Contact:

Date Submitted: 03/19/2020

Application Number: A000624
License Number: 000148

Source(s) of Water	POD Parcel Number	County
KERN RIVER		Tulare
SALMON CREEK		Tulare

MAX Direct Diversion Rate: 600 CFS
MAX Collection to Storage: 0 AC-FT
Face Value: 434386.5 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Power	0	01/01 to 12/31	

1. Compliance with License Terms and Conditions	
I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

2. Changes to the Project	
Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

3. Purpose of Use	
Power	40 MW

Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

4. Amount of Water Diverted and Used

Month	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount used (Acre-Feet)
January	14654	0	14654
February	25626	0	25626
March	32910	0	32910
April	32850	0	32850
May	34370	0	34370
June	33590	0	33590
July	33420	0	33420

August	31237	0	31237
September	17599	0	17599
October	14012	0	14012
November	14381	0	14381
December	20230	0	20230
Total	304879	0	304879
Type of Diversion	Direct Diversion Only		
Comments			

5. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M000774
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Stage DIscharge Rating in flume and Diversion Pipe (2 stations) - USGS reviewed
M2. Nickname	Kern River #3 Conduit near Kernville and Salmon Creek Diversion
M3. Type of device / method	Float
M4. Device make	Waterlog
M5. Serial number	
M6. Model number	H331 SDI12
M7. Approximate date of installation	10/01/2004
M8. Additional info	Method is - two gages which are both reviewed annually by USGS hydrographer's. Main Conduit gage is a stage discharge rating. Added water from Salmon Creek Diversion is a rated flow in a fixed geometry pipeline.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	10/05/2019
M10. Estimated accuracy of measurement	8%
M11. Description of calibration method	Stream gaging using USGS standards to validate ratings.
M12. Describe the maintenance schedule for the device/method	Monthly inspections to validate recorded levels. minimum of 4 annual current meter measurements in main conduit. For smaller diversion monthly checks for obstructions and validation of indicated level.
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Derrick Tito
M14. Phone number	760-376-8350
M15. Email	Derrick.Tito@sce.com
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
M18. Type of data recorder	Data logger (digital)

device / method	
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2341 & 2320
M21. Data recorder model number	H-500XL
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	The canal and pipeline stage is recorded at each site in feet. This stage is converted to flow using validated rating tables.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://www.kisters.net/sce-sb88/stations/A000624/Parameter/V/Amount%20Diverted%20-%20year.xls

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
M000774	402 Rtg 12.docx	402 Rating 12.00 (Kern 3 Conduit)	16 KB
M000774	413 Rtg 1.01.docx	413 Rating 1.01 (Salmon Creek Diversion)	13 KB

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**
M000774	A000624 Raw Data 2019CY.xlsx	Raw Gage height data for both diversions 2019CY	640 KB

6. Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
January	306
February	570
March	583
April	577
May	580
June	577
July	581
August	581
September	539
October	265
November	271
December	467

7. Water Transfers	
7a. Water transfered	No
7b. Quantity transfered (Acre-Feet)	
7c. Dates which transfer occurred	/ to /
7d. Transfer approved by	

Water Supply Contracts	
7e. Water supply contract	No

7f. Contract with	
7g. Other provider	
7h. Contract number	
7i. Source from which contract water was diverted	
7j. Point of diversion same as identified water right	
7k. Amount (Acre-Feet) authorized to divert under this contract	
7l. Amount (Acre-Feet) authorized to be diverted in 2019	
7m. Amount (Acre-Feet) projected for 2020	
7n. Exchange or settlement of prior rights	
7o. All monthly reported diversion claimed under the prior rights	
7p. Amount (Acre-Feet) of reported diversion solely under contract	

8. Storage

Reservoir name	Spilled this year	Feet below spillway at maximum storage	Completely emptied	Feet below spillway at minimum storage	Method used to measure water level

Conservation of Water	
9. Are you now employing water conservation efforts?	No
Description of water conservation efforts	
10. Amount of water conserved	
11. I have data to support use reductions under this water right due to conservation efforts	

Water Quality and Wastewater Reclamation	
12. During the period covered by this Report, did you use reclaimed water from a wastewater treatment facility, water from a desalination facility, or water polluted by waste to a degree which unreasonably affects the water for other beneficial uses?	No
13. Amount of reclaimed, desalinated, or polluted water used	

Conjuctive Use of Groundwater and Surface Water	
14. During the period covered by this Report, were you using groundwater in lieu of available surface water authorized under your license?	No
15. Amounts of groundwater used	

Additional Remarks

Attachments

File Name	Description	Size
402 2019CY.docx	402 Day Qs 2019CY	25 KB
413c 2019CY.docx	413c DayQs 2019CY	24 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Primary Owner of Record

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	03/19/2020

[SUMMARY OF FINAL SUBMITTED VERSION]

REPORT OF LICENSEE FOR 2020

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Primary Contact:

Date Submitted: 03/03/2021

Application Number: A000624
License Number: 000148

Source(s) of Water	POD Parcel Number	County
KERN RIVER		Tulare
SALMON CREEK		Tulare

MAX Direct Diversion Rate: 600 CFS
MAX Collection to Storage: 0 AC-FT
Face Value: 434386.5 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Power	0	01/01 to 12/31	

1. Compliance with License Terms and Conditions	
I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

2. Changes to the Project	
Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

3. Purpose of Use	
Power	40 MW

Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

4. Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount used (Acre-Feet)**
January	16837	0	16837
February	15961	0	15961
March	16383	0	16383
April	24995	0	24995
May	33903	0	33903
June	24820	0	24820
July	6600	0	6600

August	2690	0	2690
September	2500	0	2500
October	2880	0	2880
November	7080	0	7080
December	6890	0	6890
Total	161539	0	161539
Type of Diversion	Direct Diversion Only		
Comments			

5. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M000774
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Stage DIscharge Rating in flume and Diversion Pipe (2 stations) - USGS reviewed
M2. Nickname	Kern River #3 Conduit near Kernville and Salmon Creek Diversion
M3. Type of device / method	Float
M4. Device make	Waterlog
M5. Serial number	
M6. Model number	H331 SDI12
M7. Approximate date of installation	10/01/2004
M8. Additional info	Method is - two gages which are both reviewed annually by USGS hydrographer's. Main Conduit gage is a stage discharge rating. Added water from Salmon Creek Diversion is a rated flow in a fixed geometry pipeline. The seasonal release must be subtracted from 413 to accurately tabulate the diverted amount shown as site 413c. Salmon Seasonal Release: Jul-Jan 1.0cfs, Feb-Jun 4.0cfs.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	10/05/2019
M10. Estimated accuracy of measurement	8%
M11. Description of calibration method	Stream gaging using USGS standards to validate ratings.
M12. Describe the maintenance schedule for the device/method	Monthly inspections to validate recorded levels. minimum of 4 annual current meter measurements in main conduit. For smaller diversion monthly checks for obstructions and validation of indicated level.
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Derrick Tito

M14. Phone number	760-376-8350
M15. Email	Derrick.Tito@sce.com
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # M29594
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2341 & 2320
M21. Data recorder model number	H-500XL
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	The canal and pipeline stage is recorded at each site in feet. This stage is converted to flow using validated rating tables.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
M26. I report my diversion or storage date by telemetry to the following website	https://www.kisters.net/sce-sb88/stations/A000624/Parameter/V/Amount%20Diverted%20-%20year.xls

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
M000774	402 rtg 12.00.xlsx	402 Canal Rating Table	18 KB
M000774	413 rating table 1.xlsx	413 Salmon Cr Rating Table	12 KB

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**
M000774	402 rtg 12.00.xlsx	402 Rating table	18 KB
M000774	413 rating table 1.xlsx	413 Rating Table	12 KB
M000774	A000624 Raw GHTs 2020CY.xlsx	402 & 413 Raw data 2020CY	630 KB

6. Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
January	295
February	290
March	291

April	578
May	582
June	577
July	229
August	58
September	43
October	65
November	133
December	130

7. Water Transfers	
7a. Water transfered	No
7b. Quantity transfered (Acre-Feet)	
7c. Dates which transfer occurred	/ to /
7d. Transfer approved by	

Water Supply Contracts	
7e. Water supply contract	No
7f. Contract with	
7g. Other provider	
7h. Contract number	
7i. Source from which contract water was diverted	
7j. Point of diversion same as identified water right	
7k. Amount (Acre-Feet) authorized to divert under this contract	
7l. Amount (Acre-Feet) authorized to be diverted in 2020	
7m. Amount (Acre-Feet) projected for 2021	
7n. Exchange or settlement of prior rights	
7o. All monthly reported diversion claimed under the prior rights	
7p. Amount (Acre-Feet) of reported diversion solely under contract	

8. Storage					
Reservoir name	**Spilled this year**	**Feet below spillway at maximum storage**	**Completely emptied**	**Feet below spillway at minimum storage**	**Method used to measure water level**

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	No	No	No
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Conservation Supporting Information	
Description of conservation methods	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	

Additional Remarks
Data for site 413 (Salmon Creek) must have the seasonal release flow value subtracted to equal the flow diverted to the project. This calculated site is 413c. Salmon Creek Release Schedule July - Jan = 1 cfs Feb - June = 4 cfs

Attachments		
File Name	**Description**	**Size**
413c Day Qs 2020CY.docx	413c Daily Vales and AF Data	25 KB
402 Day Qs 2020CY.docx	402 Daily Values and AF Data	25 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	03/03/2021

[SUMMARY OF FINAL SUBMITTED VERSION]

REPORT OF LICENSEE FOR REPORTING PERIOD

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Primary Contact:

Date Submitted: 03/08/2022

Application Number: A000624
License Number: 000148

Source(s) of Water	POD Parcel Number	County
KERN RIVER		Tulare
SALMON CREEK		Tulare

MAX Direct Diversion Rate: 600 CFS
MAX Collection to Storage: 0 AC-FT
Face Value: 434386.5 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Power	0	01/01 to 12/31	

Compliance with License Terms and Conditions	
I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

Changes to the Project	
Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

Purpose of Use	
Power	40 MW

Special Use Categories	
Are you using any water diverted under this right for the cultivation of cannabis?	No

Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount used (Acre-Feet)**
January	4630	0	4630
February	6160	0	6160
March	714	0	714
April	16205	0	16205
May	22800	0	22800
June	7950	0	7950
July	2420	0	2420

August	2540	0	2540
September	1520	0	1520
Total	64939	0	64939
Type of Diversion	Direct Diversion Only		
Comments			

Water Diversion Measurement	
Required to measure as of the date this report is submitted	Yes
Is diversion measured?	Yes
An alternative compliance plan was submitted to the division of water rights on	
A request for additional time was submitted to the division of water rights on	

Measurement ID number	M000774
This Device/Method was used to measure water during the current reporting period	Yes
Briefly describe the measurement device or method	Stage DIscharge Rating in flume and Diversion Pipe (2 stations) - USGS reviewed
Nickname	Kern River #3 Conduit near Kernville and Salmon Creek Diversion
Type of device / method	Float
Device make	Waterlog
Serial number	
Model number	H331 SDI12
Approximate date of installation	10/01/2004
Additional info	Method is - two gages which are both reviewed annually by USGS hydrographer's. Main Conduit gage is a stage discharge rating. Added water from Salmon Creek Diversion is a rated flow in a fixed geometry pipeline. The seasonal release must be subtracted from 413 to accurately tabulate the diverted amount shown as site 413c. Salmon Seasonal Release: Jul-Jan 1.0cfs, Feb-Jun 4.0cfs.
Approximate date the measuring device was last calibrated or the measurement method was updated	11/18/2021
Estimated accuracy of measurement	8%
Description of calibration method	Stream gaging using USGS standards to validate ratings.
Describe the maintenance schedule for the device/method	Monthly inspections to validate recorded levels. minimum of 4 annual current meter measurements in main conduit. For smaller diversion monthly checks for obstructions and validation of indicated level.
Information for the person who last calibrated the device or designed the measurement method	
Name	Derrick Tito
Phone number	760-376-8350
Email	Derrick.Tito@sce.com
Qualifications of the individual	Person working under the supervision of a California Professional Engineer

License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # M29594
Type of data recorder device / method	Data logger (digital)
Data recorder device make	Design Analysis
Data recorder serial number	2341 & 2320
Data recorder model number	H-500XL
Data recorder units of measurement	Feet
Frequency of data recording	More frequent than hourly
Additional data recorder info	The canal and pipeline stage is recorded at each site in feet. This stage is converted to flow using validated rating tables.
I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
I report my diversion or storage date by telemetry to the following website	https://www.kisters.net/sce-sb88/stations/A000624/Parameter/V/Amount%20Diverted%20-%20year.xls

Measurement Attachments

Measurement ID Number	File Name	Description	Size
M000774	402 rtg 12.00.xlsx	402 Canal Rating Table	18 KB
M000774	413 rating table 1.xlsx	413 Salmon Cr Rating Table	12 KB

Measurement Data Files

Measurement ID Number	File Name	Description	Size
M000774	A000624 Raw GHTs 2021wy.xlsx	402 & 413c Raw Data 2021WY	719 KB

Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	111
February	167
March	172
April	320
May	570
June	296
July	43
August	42
September	41

Water Transfers

Water transfered	No
Quantity transfered (Acre-Feet)	
Dates which transfer occurred	/ to /
Transfer approved by	

Water Supply Contracts	
Water supply contract	No
Contract with	
Other provider	
Contract number	
Source from which contract water was diverted	
Point of diversion same as identified water right	
Amount (Acre-Feet) authorized to divert under this contract	
Amount (Acre-Feet) authorized to be diverted in 2021	
Amount (Acre-Feet) projected for 2022	
Exchange or settlement of prior rights	
All monthly reported diversion claimed under the prior rights	
Amount (Acre-Feet) of reported diversion solely under contract	

Storage					
Reservoir name	**Spilled this year**	**Feet below spillway at maximum storage**	**Completely emptied**	**Feet below spillway at minimum storage**	**Method used to measure water level**

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	No	No	No
January			
February			
March			
April			
May			
June			
July			
August			
September			

Conservation Supporting Information	
Description of conservation methods	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	

Additional Remarks

Attachments		
File Name	**Description**	**Size**
402 Daily Qs 2021wy.docx	402 Day Qs 2021WY	24 KB
413c Daily Qs 2021wy.docx	413c Daily Qs 2021WY	24 KB

Contact Information of the Person Submitting the Form

First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	03/08/2022

[SUMMARY OF FINAL SUBMITTED VERSION]

REPORT OF LICENSEE FOR REPORTING PERIOD

October 1, 2021 to September 30, 2022

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Primary Contact:

Date Submitted: 01/18/2023

Application Number: A000624
License Number: 000148

Source(s) of Water	POD Parcel Number	County
KERN RIVER		Tulare
SALMON CREEK		Tulare

MAX Direct Diversion Rate: 600 CFS
MAX Collection to Storage: 0 AC-FT
Face Value: 434386.5 AC-FT

Permitted Use(s)	Acres	Direct Diversion Season	Storage Season
Power	0	01/01 to 12/31	

Compliance with License Terms and Conditions	
I have currently reviewed my water right license and I am complying with all terms and conditions	Yes
Description of noncompliance with terms and conditions	

Changes to the Project	
Intake location has been changed	
Description of intake location changes	
Type of use has changed	
Description of type of use changes	
Place of use has changed	
Description of place of use changes	
Other changes	
Description of other changes	

Purpose of Use	
Power	40 MW

Special Use Categories	
Are you using any water diverted under this right for the cultivation of cannabis?	No

Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount used (Acre-Feet)**
2021			
October	0	0	0
November	5670	0	5670
December	8120	0	8120
2022			

Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount used (Acre-Feet)**
January	11660	0	11660
February	11020	0	11020
March	14530	0	14530
April	23840	0	23840
May	27980	0	27980
June	14820	0	14820
July	2210	0	2210
August	82	0	82
September	97	0	97
Total	120029	0	120029
Type of Diversion	Direct Diversion Only		
Comments			

Water Diversion Measurement	
Required to measure as of the date this report is submitted	Yes
Is diversion measured?	Yes
An alternative compliance plan was submitted to the division of water rights on	
A request for additional time was submitted to the division of water rights on	

Measurement ID number	M000774
This Device/Method was used to measure water during the current reporting period	Yes
Briefly describe the measurement device or method	Stage DIscharge Rating in flume and Diversion Pipe (2 stations) - USGS reviewed
Nickname	Kern River #3 Conduit near Kernville and Salmon Creek Diversion
Type of device / method	Float
Device make	Waterlog
Serial number	
Model number	H331 SDI12
Approximate date of installation	10/01/2004
Additional info	Method is - two gages which are both reviewed annually by USGS hydrographer's. Main Conduit gage is a stage discharge rating. Added water from Salmon Creek Diversion is a rated flow in a fixed geometry pipeline. The seasonal release must be subtracted from 413 to accurately tabulate the diverted amount shown as site 413c. Salmon Seasonal Release: Jul-Jan 1.0cfs, Feb-Jun 4.0cfs.
Approximate date the measuring device was last calibrated or the measurement method was updated	11/18/2021
Estimated accuracy of measurement	8%
Description of calibration method	Stream gaging using USGS standards to validate ratings.

Describe the maintenance schedule for the device/method	Monthly inspections to validate recorded levels. minimum of 4 annual current meter measurements in main conduit. For smaller diversion monthly checks for obstructions and validation of indicated level.
Information for the person who last calibrated the device or designed the measurement method	
Name	Derrick Tito
Phone number	760-376-8350
Email	Derrick.Tito@sce.com
Qualifications of the individual	Person working under the supervision of a California Professional Engineer
License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # M29594
Type of data recorder device / method	Data logger (digital)
Data recorder device make	Design Analysis
Data recorder serial number	2341 & 2320
Data recorder model number	H-500XL
Data recorder units of measurement	Feet
Frequency of data recording	More frequent than hourly
Additional data recorder info	The canal and pipeline stage is recorded at each site in feet. This stage is converted to flow using validated rating tables.
I am required to report my diversion or storage data by telemetry as of the date this report is submitted	Yes
I report my diversion or storage date by telemetry to the following website	https://www.kisters.net/sce-sb88/stations/A000624/Parameter/V/Amount%20Diverted%20-%20year.xls

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
M000774	402 rtg 12.00.xlsx	402 Canal Rating Table	18 KB
M000774	413 rating table 1.xlsx	413 Diversion Rating Table	12 KB

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**
M000774	A000624 Raw Ghts 2022wy.xlsx	A000624 Raw Data File	621 KB

Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
2021	
October	0

November	123
December	263
2022	
January	217
February	254
March	444
April	561
May	527
June	358
July	83
August	1.8
September	1.9

Water Transfers	
Water transfered	No
Quantity transfered (Acre-Feet)	
Dates which transfer occurred	/ to /
Transfer approved by	

Water Supply Contracts	
Water supply contract	No
Contract with	
Contract number	
Source from which contract water was diverted	
Point of diversion same as identified water right	
Amount (Acre-Feet) authorized to divert under this contract	
Amount (Acre-Feet) authorized to be diverted in 2022	
Amount (Acre-Feet) projected for 2023	
Exchange or settlement of prior rights	
All monthly reported diversion claimed under the prior rights	
Amount (Acre-Feet) of reported diversion solely under contract	

Storage					
Reservoir name	**Spilled this year**	**Feet below spillway at maximum storage**	**Completely emptied**	**Feet below spillway at minimum storage**	**Method used to measure water level**

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	No	No	No
2021			
October			
November			
December			
2022			
January			
February			
March			
April			
May			

June			
July			
August			
September			

Conservation Supporting Information	
Description of conservation methods	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	

Additional Remarks

Attachments		
File Name	**Description**	**Size**
413c Day Qs 2022wy.docx	413 Day Qs with volumes	25 KB
402 Day Qs 2022wy.docx	402 Day Qs with Volumes	26 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	01/18/2023

414 SALMON CREEK 2005 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERSION FLOW	COMMENTS SHEET NO. 06901	MADE BY
9-22-04	1120	CLEAR	Ø	DIVERSION STILL TURNED OUT	D. TITO
9-28-04	0900	Clear	Ø	Turned Out	Kevin
9-30-04	0825	Clear	Zero	Turned out	[illegible]
10-14-04	1400	CLEAR	Ø	TURNED OUT. DRAIN GATE OPEN	D. TITO
10-17-04	0930	Clean	Ø	Turned out, cleaned Diversion for Flowline out	RA
10-25-04	1000	Clean	Ø	Turned out, Est 1cfs, Flowline Back in Service	RA
10-26-04	0935	Clean	Ø	T.O Diversion cleaned for Flowline outage	RA
11/7/04	1130	Clean	Ø	Turned out, Tunnel Back in Service	RA
11/11/04	1000	clean	Ø	Turned out Approx 20cfs in Tunnel.	RA
11-18-04	1130	Clear	Ø	Turned Out	JD/DT
11-23-04	0930	Clear	3	Turned In	DSK
11-27-04	0840	Clear	2	2 CFS Total	JD
12-5-04	1130	Clear	2	Lot of Ice Around Orifice, Cleaned Same	JD
12-8-04	1010	Clear	2		[illegible]
12-10-04	0930	CLEAR	2	ORIFICE CLEAR	D. TITO
12-14-04	1030	Clear	2		RT
12-21-04	1015	Clr	4+1	5 total Turned In	RA
12-29-04	0845	Clear	4+1	Turned In	DSK
1/6/05	0955	Clear	4+1	5 Turned In	DSK
1-10-05	0915	CLEAR	GRIDS RUN	HIGH FLOW. RAKING GRIDS	D.TITO

SCE OD 67-B REV 10/85 (CW)

414 SALMON CREEK 2005 WY

Southern California Edison Company
HYDRO DIVISION LOG SHEET

DATE	TIME	ORIFICE STATUS (DATE)	DIVERTED FLOW	COMMENTS SHEET NO. 07351	MAD BY
1-11-05	0840	CLEAR	5	WILL RAKE GRIDS, VERY HIGH FLOW, DAM SPILLING	D. TVT
1-14-05	1010	Clear	8	Raked Grids	JDown
1-15-05	1000	CLEAR	10	Raked Grids	Fahey
1-17-05	1505	Clear	10	Raked Grids	Kenned
1-20-5	1040	Clear	13	Raked Grids	Hud
1-26-05	1140	1 TO 4 CLEAR	18	ORIFICE CHANGE. FLUME SPILLING. WILL REDUCE DIV. FLOW	S. TVT
2-3-05	1104	Clear	9	4 Diverted	D-K
2-6-05	1125	Clear	11	4	JD
2/8/05	0901	CLR	9	9+4 total 10 CFS	KH
2/10/05	0900	Clear	9	9+4	DSK
2-12-05	1225	Clear	8	8+4 9 total	MH
2-20-05	1300	CLR	14	8 total Flume slight Spill	RH
2-22-05	1130	CR	8	RAKED GRIDS, FLUME SPILLING OVER	D. TVT S. KENNEDY
2-23-05	1435	Pleasant	8	RAKED GRIDS, FLUME SPILLING	VS
2-23-05	1445	RAIN	Ø	TURNED OUT TO STOP SPILLING & to check Flows @ PLANT	VS
2-27	1200	Clear	10	Turned in -	JD
3-1	1150	Clear	8	Grids Cleaned	MH
3-4	0900	Clear	Ø	Turned out for plant outage	DSK
3-29	0740	CLEAR 4 CFS	Ø BEFORE / 25 AFTER	TURNING IN DIVERSION AFTER OUTAGE	DAT
4/1/05	1040	Clear	5+	RAKED GRIDS	RH
4/3/05	1115	Clear	30+	Raked Grids	RH/RP
4/9/05	1000	Clear	20	Reduced to 20 in order to load Tunnel	KH
4-4-05	1430	CLEAR	Ø	TURNED OUT DIVERSION.	RH. D.TVT
4-08-05	1130	Clear	26+4	Dam Still Spilling. TURNED IN.	JD
4/11/05	1205	Clear	21	Reducing Flow to Approx 15 total CFS	RH
4/21/05	1140	CLEAR	33	CLEANED LOGS @ DAM, INCREASED FLOW.	DAT
4/26/05	0910	Clear	FULL PIPE	Raked grids	RP
5/3/05	1320	Clear	Full Pipe	Approx 40-45 CFS in Pipe	RH
5/21/05	1215	Clear	Full Pipe	Dam Spilling Also	RH
5-26-05	1045	CLEAR	5 CFS	DAM SPILL HOKUM - USGS IRISP	DAT/OD
6-16-05	1345	"	20 ~ Ø	TURNING OUT - DRAIN OPEN.	DAT
6-23-05	1250	Clear	T/O	Flume spilling slightly. will notify ops	DSK
6-27-05	1410	Clear	T/O	Bi Weekly Inspection	DSK
7-5-05	1345	CLEAR	T/O	DIVERSION TURNED OUT	DAT
7/14/05	0955	Turned out		Approx 4-5 CFS in Creek (Analyst Thermo)	RH
7/27/05	1300	—	Turned Out	Inspection	DSK

SCE OD 67-B REV 10/85 (CW)

2005 WY

414 SALMON CREEK

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	COMMENTS SHEET NO. 07352	MADE BY
8/4/05	1100	CLR	Turned out	Routine check, Approx 2.57 CFS	RCH
8/11/05	1400	clear	Turned out	Weekly Chk	DSK
8/12/05	1000	CLEAR	TURNED IN	HERE TO TURN IN.	SB
8/22/05	1414	clr	T/IN	Turned IN	DSK
8-25-05	0952	clear	T/OUT	TURNED OUT / OPENED DRAIN GATE TO FLUSH	RA
9-6-05	1140	CLEAR	TURNED OUT	" " - HERE TO RUN LEVELS	DAT/AJR
9-12-05	1600	Clear	Turned out		RV
9/21/05	0950	CLR	Turned in	4+4	NH
9/27/05	1040	CLEAR	" "	4 CFS ALL OUT ORIFICE/USGS INSP.	DAT/DB
9/28/05	0910	Clear	TI	4 CFS ALL OUT ORIFICE	SB
10/3/05	1100	CLEAR	TI 2 CFS	ALL FLOW OUT 4 CFS ORIFICE	DAT

Southern California Edison Company

HYDRO DIVISION LOG SHEET

414 SALMON CREEK 2006 WY

SHEET NO. 07353

DATE	TIME	ORIFICE DATE STATUS	DIVERTED FLOW TURNED IN	COMMENTS	MADE BY
10-3-05	1100	CLEAR	2 CFS	ALL FLOW GOING OUT ORIFICE	DAT
10-6-05	1605	clr	Turned in	All flow Going out orifice	DSL
10-11-05	1540	Clear	TURNED IN	RAKED GRIDS	
10-13-05	1100	Clear	TURNED OUT	POND DRAIN gates opened NO DIVERTED FLOW DUE TO upcoming WORK	JRS
10-15-05	1150	CLEAR	TURNED OUT	CONDUIT OUT. 4 CFS PLATE REMAINS ON.	DAT
12-28-05	1930	CLEAR	TURNED OUT	CONDUIT FLOWING - DIVERSION TØ. 4 CFS PLATE ON	DAT
2-13-06	1130	CLEAR	TURNED OUT	" " - " " " " "	DAT
2-25-06	1210	Clear	Turned IN	6 CFS Diverted 4 CFS ORIFICE ON	RA
2-28-06	1240	CLEAR	13	13 CFS Diverted 4 cfs orifice (R+M/2)	
3-1-06	0950	Clear	10	10 CFS DIVERTED 4 CFS Release	
3-3-06	0850	Clear	12	OPENED V/U 10 TURNS.	
3-7-06	0850	Clear	15	RAKED GRIDS OPENED V/U 5 TURNS	
				FLUME HAS 1' FREEBOARD	JRS
3-14-06	0840	Clear	9	Flume has 2' Freeboard	JD/RH
3-30	1310	Clear	4+12	16 CFS Total	JD/RA
3-31	1100	Clear	4 +10	Flume @ slight spill, CUT BACK DIV to 10	JRS
4/6/06	1000	CLR	15	11+4 Dam Spilling Approx 20 CFS	RA
4/10/06	0945	CLR	10	10 + 4 DAM SPILLING. OPENED DRAINS	
—	—	—	—	About 4" more. Flume Right @ spill	JS
4-17-06	1200	CLR	10	DAM SPILLING Flume @ spill	JRS
4-27-06	1100	CLR	10	DAM SPILLING Flume HAS slight spill	JRS
4/30-06	6840	CLR Yeas	11	15 Total Dam Spilling Approx 30 CFS	
5-7-06	1000	Clear	15	Dam spilling About 30-40 CFS	
5-8-06	0945	CLEAR	11	" " " " 4 CFS REL PLATE ON	DAT
5-11-06	1330	Clear	12	Dam Spilling 20-30 CFS	JO
6/2/06	1130	clear	11	Dam Spilling 4 CFS Rel Plate OK	RA
6-6-06	1105	CLEAR	10	4 CFS PLATE REMAINS ON.	DAT
6-8-06	1000	Clear	10	Closed inside Drain Gate to avoid obstructions	DSL
—	—	—	—	Dam Spilling & Flume has minor spill	—
6-20-06	0800	CLEAR	ø	DIV FLOW 10 CFS - TØ @ 0800 All WATER OUT DRAIN GATE - TESTING FLOW	DAT
6-20-06	0940	TO	ø		
6-28-06	0845	TØ/CLEAR	ø	DRAIN OPEN.	DAT
7-17-06	1215	TØ/CLEAR	ø	" "	DAT
7-19-06	1440	TØ/CLEAR	ø	DRAIN OPEN, USGS INSP.	DAT/DB
8-29-06	1020	TO/clear	ø	Drain Open.	
9-7-06	0920	TØ/CLEAR	ø	" "	DAT

Southern California Edison Company

HYDRO DIVISION LOG SHEET

414 SALMON CREEK
2007 WY

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	COMMENTS — SHEET NO. 07354	MADE BY
10-2-06	1115	CLEAR	ϕ	TURNED OUT. DRAIN GATE OPEN.	DAT
10/25/06	1075	TO	TO	Cleaned Out For Flowline Outage	RLH
10/31/06	1135	TO CLEAR	TO ϕ	TURNED OUT. USGS INSP.	DAT/OB
11/27/06	1040	TO CLEAR	ϕ	TURNED OUT.	DAT
12/18/06	1330	TO Clr	ϕ	TO	DSK
1/2/07	1530	TO CLEAR	ϕ	TURNED OUT.	DAT/LW
1/9/07	0900	TO Clr	ϕ	TO	DSK
2/14/07	1100	TO	ϕ	TURNED OUT.	DAT
3/7/07	1200	TO	ϕ	" "	DAT
3/20/07	0925	CLEAR	24	FLOWLINE READY FOR TURN IN. 4 CFS PLATE ON. ORIFICE CLEAR.	DAT
3-21-07	1400	Turned	out	Flow Line	JD
4-5-07	1100	Clear	10	Turned In Flow Line	JD
4-9-07	1300	CLEAR	8	4 CFS REL.	DAT
4-27-07	1110	Clear	8	4 CFS Rel. RAKED GRIDS	JRS
5-1-07	0954	Clear	15	4 CFS Rel RAKED GRIDS	RA/EB
5-10-07	1330	CLEAR	1	4 CFS REL.	DAT
5-16-07	1135	CLEAR	ϕ	4 CFS ALL OUT RELEASE PIPE - USGS INSP.	DAT/OB
5-22-07	1535	CLEAR		4 CFS ALL out RELEASE	RA/EB
5/31/07	1435	Clear	ϕ	2 CFS all out Release	RA
6/18/07	1445	CLEAR	ϕ	0.5 CFS OUT REL. PIPE.	DAT
6/14/07	1100	Clr	T/O	Turned Out, Drain Gate Broke	DSK
7/23/07	1030	CLEAR	T/O	TURNED OUT. 4 CFS PLATE ON.	DAT
8/4/07	0945	Clr	T/O	Flowline Turned Out Tagger Gates	DSK
8/30/07	1310	CLEAR	TO	TURNED OUT.	DAT
9/19/07	1025	CLEAR	TO	" " , 4 CFS PLATE ON.	DAT
10/8/07	1015	Clr	TO	Turned out.	DSK

SCE OD 67-B REV 10/85 (CW)

414 SALMON CREEK

2008 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

COMMENTS SHEET NO. 07355

DATE	TIME	ORIFICE PIPE STATUS	DIVERTED FLOW	COMMENTS	MADE BY
10/8/07	1015	CLEAR	TØ	TURNED OUT.	DSK
10/16/07	1140	CLEAR	TØ	TURNED OUT.	DAT
10/22/07	9101	Clear	Ø	TO	RT
11/7/07	1720	CLEAR	Ø	USGS INSP TØ 4 CFS PLATE REMAINS OUT	DAT/DB
12/17/07	1255	CLEAR	Ø	TURNED OUT.	DAT
1/24/08	0943	Clear	Ø	TO Parker/	
1/29/08	1130	CLEAR	Ø	TØ	DAT
3/10/08	1500	CLEAR	Ø	TØ. WATER TURNED INTO CANAL @ INT @ 1230	DAT
3/18/08	0800	clear	12 IN 4 OUT	Turned in Diversion	PA/RH
3/24/08	0900	clear	10		RT
3/27/08	0730	Clear	10	Raked grids, opened up diversion, now C16	
3/27/08	1430	Clear	16	Raked Grids	
3/31/08	1615	Clear	18	Raked Grids	MP
4/2/08	1820	Clear	18	Raked Grids Cloudy Day	MP
4/3/08	1100	Clear	14	Raked Grids Clear/Warm	
4/14/08	1530	CLEAR	6 IN 4 OUT	4 CFS PLATE IN.	DAT
4/14/08	1540	CLEAR	22 IN 4 OUT	RAKED GRIDS - FLOW INCREASED!	DAT
4/19/08	0900	clear	2 IN 4 OUT	Raked Grids	DSK
4/25/08	1530	clear	TD	Turned out Diversion to Reduce flow @ Plant	DSK
				Diversion intake Closed/ Pond Drain open/ Drain Open	
5/1/08	1415	CLEAR	TØ	DIVERSION TURNED OUT. PIPE DRY.	DAT
5/13/08	1320	CLEAR	TØ	USGS INSP. TURNED OUT. PIPE DRY.	DAT/DB
6/4/08	1215	CLEAR	TØ	DIVERSION TURNED OUT. PIPE DRY	DAT
7/7/08	1250	CLEAR	TØ	" " " " "	DAT
8/4/08	1340	CLEAR	TØ	" " " " "	DAT
9/11/08	1325	CLEAR	TØ	" " " " "	DAT
9/29/08	1125	CLEAR	TØ	" " " " "	DAT
9/30/08	0945	CLEAR	TØ	RAN FULL SET OF LEVELS.	DAT/KB

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

2009 WY 414

SALMON CR DIV.

NOTES

SHEET NO. ~~07356~~

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERTED FLOW	REL	VISIT MADE BY
10-9-08	1340	CLEAR	ϕ	TURNED OUT. 4CFS RATE ON.	DAT
10/15/08	1250	clear	ϕ	TO.	RMDD
10/30/08	1100	clear	ϕ	Here to do monthly routines	Tom Humphrey
11/5/08	1300	CLEAR	ϕ	TURNED OUT	DAT
11/18/08	1550	CLEAR	ϕ	TO USGS INSP.	MT/OB
12/4/08	1040	CLEAR	ϕ	TO	DAT
1/13/09	0830	CLEAR	ϕ	TO, 4CFS PLATE ON.	DAT
2/4/09	1320	CLEAR	ϕ	TO	DAT
3/1/09	1029	clear	13-4=9	Turned in 9 cfs into tunnel.	DSL
3/2/09	1140	clear	15-4	Turned in 15 cfs into tunel ?	JLH
3/9/09	0960	CLEAR	8-4	4CFS PLATE ON. RAKED GRIDS	DAT/JLH
3-13-09	1100	Clear	4-4	Raked Grids	JLH
3-16-09	10:30	clear	7-4	Raked Grids 7 cfs into tunel	JLH
3-17-09	10:30	clear	17-4=13	Raked grids 13 cfs into tunel	JLH
3-23-09	10:45	clear	15-4=11	11 cfs into tunel Raked grids	JLH
~~3-25-09~~	~~10:30~~	~~clear~~	~~18-4=14~~	Dam spilling due to leaves	JLH
3-25-09	10:30	clear	18-4=14	Dam spilling 14 cfs into tunel	JLH
3-26-09	10:30	clear	17-4=13	13 cfs into tunel	JLH
3-29-09	08:30	clear	8-4	12-total Reduced Flow to Avon Tunnel to Flow	RH
4-2-09	1035	clear	10-4	Raked Grids Dam spilling	MP
4-7-09	1010	clear	7-4	Raked Grids Dam Spilling	MP
4-9-09	0940	clear	9-4	Raked Grids Dam Spilling	MP
4-13-09	1005	clear	7-4	Raked Grids Dam Spilling	MP
4-15-09	1410	clear	13-4=9	Raked grids 9 cfs into tunel	JLH
4-20-09	1055	Clear	12-4	Raked grids Dam spilling	MP
4-21-09	1345	Clear	11-4	Raked grids Dam spilling	MP
4-22-09	0915	clear	11-4	Raked grids Dam spilling	MP
4-27-09	1020	Clear	11-4	Raked grids Dam Spilling	MP
4-29-09	0855	clear	11-4	Dam spilling	MP
5-4-09	1055	Clear	10-4	Dam Spilling	MP
5-6-09	1115	clear	10-4	Raked grids Dam spilling	MP
5-11-09	1000	Clear	10-4	Raked grids Dam spilling	MP
5-12-09	0840	CLEAR	10-4	FLUME SPILLING.	DAT
5-14-09	1005	Clear	10-4	Dam spilling	MP
5-17-09	0945	Clear	10-4	Dam not Spilling	MP
5-20-09	0855	clear	10-4	Dam not spilling	MP
5-26-09	1530	clear	10-4	Dam not spilling	JLH

SCE OD 67-B REV 10/85 (CW)

414 SALMON CREEK

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07357

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERTED FLOW	NOTES	VISIT MADE BY:
5-27-09	0900	Clear	6-4=2	Dam not spilling.	D.T.E.
5-28-09	1448	Clear	5½-4=1½	Dam not spilling.	D.T.E.
6-1-09	10:00	clear	5½-4=1½	Dam not spilling	RT
6-3-09	1540	Clear	5-4=1	Dam not spilling ✓	RT
6-8-09	1430	CLEAR	7-4=3	ORIFICE CLEAR	DAT
6-8-09	1440	clear	7-4=3	DAM not spilling	JLA
6-10-09	1400	clear	7-4=3	DAM not spilling ALL OK	JLA
6-15-09	1620	cloudy	4-4=0	"	DTE
6-17-01	1600	cloudy	5-4=1	Routines " 1 cfs into tunel	JLA
6-23-09	1600	clear	3-3=0	Routines / Dam not spilling	DTE
6-25-09	1800	CLEAR	2-4=0	ALL WATER OUT ORIFICE - ZERO DIV. USGS INSP.	DAT/DB
6-29-09	1430	clear	1-4=0	Routines / "	DTE
7-7-09	1625	clear	.5-4=0	Routines "	DTE
7-16-09	1015	clear	.5-4=0	Routines "	DTE
7-27-09	1220	clear	Turned Out	Monthly Patrol	DTE
8-3-09	1500	clear	Turned out	Routines	JLA
8-10-09	1000	CLEAR	TURNED OUT	TO	DAT
8-17-09	1550	clear	Turned out	Routines	JLA
8-24-09	1545	clear	Turned out	Routines All ok	JLA
8/25/09	1068		T.O	Operational check → Need IA Not installed	RR2
8-27-09	1500	Clea	Turned out	All ok /	JLA
9-4-09	1510	CLEAR	TO	ALL WATER IN CREEK.	DAT

SCE OD 67-B REV 10/85 (CW)

2009 SALMON CR. DIV. 2010 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07358

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERTED FLOW	NOTES	VISIT MADE BY:
10-6-09	1350	CLEAR	Ø	TURNED-OUT. 4cfs PLATE ON	DAT
10-21-09	1340	CLEAR	Ø	TURNED OUT 4cfs " "	DAT
12-21-09	1400			Routines	JCH
1-11-10	1200	CLEAR	Ø	TURNED-OUT. 4CFS PLATE ON	DAT
1/31/10	1230	CLEAR	4+1	TURNED IN - 4CFS PLATE ON	RCH/DK
2/1/10	1055	CLEAR	Ø	4 CFS PLATE ON 2.5CFS TOTAL - ALL OUT RELEASE	DAT
2-1-10	1515	clear	Ø	Routines	JCH
2-6-10	0915	clear	Ø	3cfs total - All Released	DAT
2-8-10	1445	clear	Ø	1 cfs Routines	JCH
2-10-10	1030	clear	Ø	1 cfs Routines	JCH
2-11-10	1022	clear	Ø	1 cfs Monthly Routines	JCH
2-16-10	1524	clear	Ø	1 cfs Weekly routines	JCH
2-18-10	1505	clear	Ø	1 cfs Weekly routines	MP
2-22-10	1530	clear	Ø	1 cfs	MP
2-25-10	1430	clear	Ø	1 CFS Routines	JCH
3-1-10	0900	CLEAR	3 cfs	4CFS OUT RELEASE ORIFICE. 7 CFS TOTAL	DAT
3-4-10	1505	Clear	3cfs	Weekly routines	MP
3-12-10	1020	Clear	3 cfs	monthly routines	MP
3-18-10	1440	Clear	3cfs	Weekly routines	MP
3-19-10	1520	Clear	3cfs	weekly routines	MP
3-15-10	1425	Clear	3cfs	Weekly routines	MP
3-18-10	16000	clear	3 cfs	weekly routines	JCH
3-22-10	1430	Clear	3cfs	Weekly routines	MP
3-24-10	1400	Clear	3cfs	Weekly routines	MP
3-29-10	1410	Clear	3cfs	Weekly routines	MP
3-31-10	1350	clear	3	routines	JCH
4-5-10	1350	clear	4	routines	JCH
4-12-10	1430	clear	6+4	routines	RT
4-13-10	0830	CLEAR	5	4CFS PLATE ON & FREE FLOWING	DAT
4-14	1230	clear	5	routines	JCH
4-20	1400	clear	11	routines 15-4=11	JCH
4-22	1500	clear	15	19-4=15cfs Routines	JCH
4-28	0845	clr	15	Raked Grids 20-5	DK
5-3-10	0830	CLEAR	Ø	GRIDS PLUGGED - ALL FLOW OUT OF PIPE	DAT
5-7-10	0840	CLEAR	16	RAKED GRIDS. 20CFS - 4CFS	DAT
5-13-10	1330	CLEAR	21	RAKED GRIDS & ADDED 5 CFS PER HUGHES	DAT
5-16-10	1615	clear	21	Raked grids 25 cfs - 4=21cfs	JCH

SCE OD 67-B REV 10/85 (CW)

SALMON CR DIV. 2010 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07359

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	VISIT BY
5/6/10	1020	CLR	20	5 Prior to Cleaning Grids 24 APPX	RH
5/12/10	1230	CLR	27	Increase Flow to Achieve 1650 AMPS	RH
5/13/10	0930	CLR	28	Raked Grids	DAT
5-16-10	0945	CLEAR	28	RAKED GRIDS 32-4 CFS = 28 TO CANAL. 4 CFS BYPASS	DAT
5-12-10	1400	clear	28	Raked grids	JCH
5-17-10	1200	clear	31	Raked grids 35-4 = 31	DAT
5-18-10	1514	clear	31	Raked grids (Broken walk boards)	JCH
5-19-10	1630	clear	31	Raked grids 35-4 = 31 cfs	JCH
5-19-10	1600	clear	31	Raked grids 35-4=31 cfs	JCH
5-20-10	1415	clear	36	Raked grids 40 cfs - 4 = 36	
				Replaced walk boards	JCH
5-24-10	1525	clear	36	Raked grids 40-4 = 36	JCH
5-25-10	1135	clear	36	Raked grids	JCH
5-26-10	1535	clear	36	Routines Raked grids	JCH
5-30-10	1100	clr	36	Raked Grids	DEC
6-2-10	0930	clear	36	Routines Raked Grids	JCH
6-6-10		clr	35	Raked Grids	DEC
6-7-10	1400	clear	35	Raked grids	JCH
6-14-10	1340	clear	35	Routines Raked Grids	MP
6-16-10	1440	clear	15	19 - 4 = 15 CFS Raked grids	JCH
6-17-10	1215	CLEAR	13	17-4=13, ORIFICE 4 CFS OK, USGS INSA.	DAT/DK
6-21-10	1630	clear	13	17-4=13 Routines	JCH
6-24-10	1430	Clear	13	Raked Grids	MP
6-27-10	0930	clear	13	Raked Grids	MP
7-1-10	1005	CLEAR	4	8-4=4 TO TUNNEL.	DAT
7-6-10	1430	" "	5	Routines	JT
7-8-10	1450	" "	5	" "	RT
7-11-10	1520	Clear	5	Raked Grids	MP
7-19-10	1545	Clear	5	Raked Grids	MP
7-21-10	1550	clear	4	Routines	JCH
8-2-10	1550	Clear	2	Routines	MP
8-9-10	1430	Clear	2	Routines	MP
8-11-10	1500	Clear	2	Routines	MP
8-16-10	0905	CLEAR	8	TURNED OUT, DRAIN GATE OPEN	DAT
8-25-10	1500	Clear	8	Routines	JCH
8-26-10	1315	Clear	0	Monthly Routines	JCH
8-30-10	1520	Clear	0	Routines	MP

Southern California Edison Company
HYDRO DIVISION LOG SHEET

SALMON CR. DIV. 2010 WY

SHEET NO. 07361

TIME	DATE
	9-14-10
1015	Humphers, Paul here to do monthly routines
1020	Away to Bryn Canyon Hyphers
	9-22-10
1560	Humphers, Paul here to do routines turned out
1550	Away to Corral Creek Hyphers
	9-27-10
1300	Paul - Here for routines
1310	Away to KR3 Intake WH

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SALMON CR 2011 WY

414

SHEET NO. 07362

DATE	TIME	ORIFICE DIAMETER STATUS	FLOW	NOTES	VISIT MADE BY
10/5/10	0835	CLEAR	Ø	4 CFS PLATE ON - ALL WATER CREEK	DAT/DC
10/18/10	0900	clear	Ø	TURNED OUT	RA
11/4/10	1200	CLEAR	Ø	TURNED OUT	DAT
11/21/10	1350	clear	Ø	Turned out Routines	JLA
12/14/10	1430	CLEAR	Ø	TURNED OUT	DAT
1/3/11	1455	Clear	Ø	Turned Out	DTE
1-11-11	1517	clear	Ø	Routines Monthly	JLA
1-24-11	1100	clear	Ø	Routines, weekly	JLA
1-27-11	-	Clear	Ø	Turned Out	DSC
1-27-11	1400	clear	Ø	Routines	JLA
2-1-11	1050	CLEAR	Ø	TURNED OUT.	DAT
2-2-11	1045	clear	Ø	Routines	JLA
2-7-11	1042	clear	Ø	Routines	JLA
2-9-11	1330	clear	Ø	Routines	JLA
2-14-11	1000	clear	Ø	Routines	JLA
2-16-11	1300	clear	Ø	Routines	JLA
2-22-11	0930	clear	Ø	Routines	JLA
2-24-11	1045	Clear	Ø	Routines	JLA
2-28-11	0950	Clear	Ø	Routine	JLA
3-2-11	1050	CLEAR	Ø	TURNED OUT.	DAT
3-2-11	1445	clear	Ø	Routines	JLA
3-7-11	1540	Clear	Ø	Routines	JLA
3-9-11	1630	clear	Ø	Routines	JLA
3-14-11	1000	CLEAR	Ø	Routines	JLA
3-16-11	1315	clear	Ø	Routines	JLA
3-30-11	1345	Clear	Ø	Routines	JLA
4-6-11	0925	CLEAR	Ø	TURNED OUT. HEAVY SPILL.	DAT
4-7-11	0925	clear	Ø	Routines	JLA
4-11-11	1445	Clear	Ø	Routines	JLA
4-14-11	0955	clear	Ø	Routines	JLA
4-20-11	0900	Clear	Ø	Routine	MD
4-21-11	1545	clear	Ø	Routines	JLA
4-27-11	1005	clear	Ø	Routines	JLA
5-2-11	0920	CLEAR	Ø	TURNED OUT.	DAT
5-2-11	10:20	Clear	Ø	Routine	MP
5-16-11	1500	Clear	Ø	Routines	MD
5-24-11	0945	clear	Ø	Monthly Routine	JLA

SALMON CR 2011 WY 44

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07363

DATE	TIME	ORIFICE STATUS	ESTIMATED FLOW	NOTES	VISIT MADE BY
5-25-11	0915	clear	∅	Routines	
6-1-11	0850	CLEAR	∅	TURNED-OUT.	DAT
6-12-11	1052	clear	∅	Routines	JLA
6-20-11	1215	clear	∅	Routine Log Box broken into	JLA
6-22-11	1130	clear	∅	Both Locks cut off	JLA
6-23-11	1115	Clear	∅	Routine Patrol	DTE
7-5-11	0905	CLEAR	∅	TURNED OUT.	DAT
7-6-11	0800	clear	∅	Routines	JLA
7-11-11	1020	clear	∅	Routines	JLA
7-14-11	0830	clear	∅	Routines	JLA
7-18-11	1130	clear	∅	Routines	JLA
7-20-11	1530	clear	∅	Routines	JLA
7-27-11	1140	clear	∅	Routines	RT
8-3-11	0930	CLEAR	∅	TURNED OUT.	DAT
8-15-11	1105	clear	∅	Routines	JLA
8-17-11	1056	clear	∅	Routines Turned Out	JLA
8-17-11	1500	CLEAR	∅	TURNED OUT. USGS INSP.	DAT/OB
8-22-11	1030	clear	∅	Routines / Turned out	JLA
9-7-11	0929	CLEAR	∅	TURNED OUT.	DAT
9-8-11	1045	clear	∅	Routines / Turned Out	JLA
9-12-11	1055	clear	∅	Routines / Handrail Damage	JLA
9-20-11	1455	CLEAR	∅	TURNED OUT. USGS INSP.	DAT/MB
10-3-11	1613	Clear	∅	Turned Out / Routine Inspection	DTE

SCE OD 67-B REV 10/85 (CW)

2012 WY

Southern California Edison Company

SALMON CREEK DIVERSION

HYDRO DIVISION LOG SHEET

SHEET NO. 07364

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	MSR READ BY
10-5-11	0845	CLEAR	Ø	TURNED OUT	DAT
10-6-11	1030	clear	Ø	Turned Out	DTE
10-10-11	1530	Clear	0	Turned Out	DTE
10-19-11	1620	"	0	" "	RT
10-24-11	1100	CLR	Ø	TURNED OUT	MC
10-26-11	1525	CLEAR	Ø	TURNED OUT: USGS INSP.	DAT
11-1-11	0840	CLEAR	Ø	TURNED OUT.	DAT
11-2-11	1545	clear	0	Turned out	RT
11-23-11	1430	"	"	" "	RT
11/25/11	0940	CLEAR	Ø	TURNED OUT	MC
12/5/11	1530	clear	Ø	Turned out	RT
12/9	1530	Clear	Ø	" "	RT
1/3/12	1515	clear	Ø	Turned Out	RT
1-9-12	0955	CLEAR	Ø	TURNED OUT. 4 CFS PLATE ON.	DAT
1-11-12	1430	Clear	Ø	Turned out	RT
1-16-12	1640	clear	Ø	Turned Out	DTE
1-23-12	1446	clear	Ø	Turned Out	DTE
1/25/12	1130	clear	4+4	TURNED IN	
1-25-12	1450	clear	1+4	Routines	RT
1/26/12	1035	CLEAR		TURNED IN	MC
1-30	1500	clear	2+4	Routines	RT
1-31	1400	CLEAR	3+4		TN
2-1-12	0820	CLEAR	1	4 CFS OUT RELEASE 5 TOTAL	DAT
2-2-12	1410	clear	2+4	Routines	RT
2-6-12	1500	clear	2+4	Routines	RT
2-8-12	1600	clear	1+4	Routines	RT
2-13-12	1500	clear	2+4	Routines	JLH
2-22-12	1410	clear	1-4	Routines	RT
2-27-12	1600	clear	1-4	Routines	JLH
3/2/12	1330	CLEAR	1-4	ROUTINES	TN
3-5-12	1615	clear	1-4	Routines	JLH
3-12-12	1630	Clear	1-4	Routines	JW
3/19/12	1240	clear	4+6	4+6 inspector (10) total	RH
3/21/12	1310	Clear	10	4+10 = 14 Total (Possion Table)	RH
3/26/12	0850	CLEAR	8	4+8 = 12 total	DAT
3/28/12	0932	CLEAR	10	4+10 = 14	MC
3/29/12	0953	CLEAR	10	4+10 (14)	MC

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

2012 MY

DATE 3/27/12 SHEET NO. 07365

TIME		STATUS	Diverted	NOTES	
3/27	1330	CLEAR	16+4		CA
3/27	1600		Routines		JLA
3/28/12	1015	Clear	12+4	Feeder Factor	RM
3/29/12	0915	CLEAR	16+4	Inspection	RA
3/31/12	1205	CLEAR	18+4	Rounds	MC
4/1/12	1310	CLEAR	18+4	Rounds	MC
4-2-12	1000	Clear	18+4	Routines	JLA
4/3/12	0940	CLEAR	17+4	INSPECTION	TV
4/4/12	1000	Clear	17+4	INSPECTION	TV
4/5/12	1100	Clear	17+4	Routines	JLA
4/8/12	1300	Clear	12+4	INSPECTION	TV
4-9-12	1015	Clear	12+4	Routines	JLA
4-9-12	1205	CLEAR	12+4	CHECK	DAT/JRS
4-12-12	1020	Clear	12+4	Routines	CWS/JRS
4/16/12	1130	Clear	17-4	Routins	CS/JH
4-18-12	15:30	Clear	27-4	Routines	CS/JH
4-19-12	0900	CLEAR	24-4	TURNER FULL. TURNING OUT	DAT
4-19-12	0910	CLEAR	Ø	TURNED OUT.	DAT
4-23-12	1145	clear	Ø	Routines	JLA
4-24-12	1045	Clear	Ø	Monthly flowline inspection	CWS
4-30-12	1700	Clear	Ø	Routines / Turned out	CWS
5-2-12	1500	clear	Ø	Routines / turned out	CWS
5-9-12	1100	clear	Ø	Routines / turned out	CWS
5-14-12	1300	clear	Ø	Routines	JLA
5-28-12	1530	Clear	Ø	Routines / Turned Out	DTE
5-30-12	1830	Clear	Ø	Routines	JLA
6-4-12	1500	clear	Ø	Routines	JLA
6-7-12	0930	CLEAR	Ø	TURNED OUT. 4 CFS PLATE ON	DAT/JRS
6-7-12	1030	clear	Ø	Routines	JLA
6-14-12	1330	clear	Ø	Routine	JLA
6-16-12	1720	CLEAR	Ø	Rounds	MC
7-5-12	0900	CLEAR	Ø	TURNED OUT	JRS
7-12-12	1030	Clear	Ø	Routines	JLA
7-19-12	1600	Clear	Ø	Routines	JLA
8-1-12	1435	Clear	Ø	TURNED OUT	JRS
8-21-12	1410	CLEAR	Ø	TURNED OUT. USGS INSP.	DAT/JRS/tm

SALMON CREEK 2012 WY

Southern California Edison Company

DIVERSION

HYDRO DIVISION LOG SHEET

DATE	TIME	STATUS ~~DATE~~	DIVERTED Flow	NOTES SHEET NO. 07366	VISIT BY:
8-21-12	1410	CLEAR	Ø	TURNED OUT. USGS INSP.	DAT/JRS/
8-27-12	1030	clear	Ø	Routines	JCM
9-4-12	1515	CLEAR	Ø	TURNED OUT	JRS
9-11-12	0812	CLEAR	Ø	TØ	DAT
9-19-12	1435	CLEAR	Ø	TØ - FERC INSP.	DAT/BK/KH/AL

SCE OD 67-B REV 10/85 (CW)

414 .. SALMON CR. DIVERSION
2013 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	ORIFICE ~~DEPT~~ STATUS	DIVERTED FLOW	NOTES SHEET NO. 07367	VISIT BY
10-1-12	0850	CLEAR	∅	TURNED OUT 4 CFS PLATE ON	DAT
11-1-12	0810	CLEAR	∅	TURNED OUT " " " "	DAT
12-3-12	1000	clear	∅	Routines	JLA
12-3-12	1105	CLEAR	∅	TURNED OUT. 4 CFS PLATE ON	DAT
12-4-12	1220	CLEAR	∅	TURNED OUT. USGS INSP.	DAT/JRS/JMS
12-5-12	1155	CLEAR	∅	ROUTINES	ST
12-10-12	1015	CLEAR	∅	ROUTINES	ST
12-17-12	0904	CLEAR	∅	ROUTINES	ST
12-17-12	1145	CLEAR	∅	ROUTINES	ST
12-21-12	915	CLEAR	∅	ROUTINES	SRM
12-31-12	10:15	CLEAR	∅	ROUTINES	SRM
1-2-13	939	CLEAR	∅	ROUTINES	ST
1-2-13	1427	CLEAR	∅	TURNED OUT, 4 CFS PLATE ON	JRS
1-7-13	1004	CLEAR	∅	ROUTINES	ST
1-10-13	0906	CLEAR	∅	ROUTINES	ST
1-14-13	1030	CLEAR	∅	ROUTINES	ST
1-16-13	0944	CLEAR	∅	ROUTINES	ST
1-23-13	0928	CLEAR	∅	RED TAGS NOT ON DIVERSION PARTS ROUTINES	ST
1-28-13	1006	CLEAR	∅	ROUTINES/GOOD FLOW OF WATER IN CREEK	ST
1-30-13	0929	CLEAR	∅	ROUTINES	ST
2-4-13	1015	CLEAR	∅	ROUTINES	ST
2-7-13	1130	CLEAR	∅	TURNED OUT. 4 CFS PLATE ON	DAT
2-7-13	1430	CLEAR	∅	ROUTINES	ST
2-11-13	1057	CLEAR	∅	ROUTINES	ST
2-13-13	1416	CLEAR	∅	ROUTINES	ST
2-19-13	1423	CLEAR	∅	ROUTINES	ST
2-21-13	0905	CLEAR	∅	ROUTINES	ST
2-25-13	1010	CLEAR	∅	ROUTINES	ST
3-3-13	0930	CLEAR	∅	ROUTINES	ST
3-5-13	1630	CLEAR	∅	ROUTINES	ST
3-7-13	0649	CLEAR	∅	TURNED OUT, 4 CFS PLATE ON	JRS
3-11-13	1015	CLEAR	∅	ROUTINES	ST
3-13-13	1010	CLEAR	∅	ROUTINES	ST
3-13-13	1300	4	.5	TURNED IN	TV
3-14-13	1500	CLEAR	.5	RAKE GRIDS/TURNED IN	ST
3/17/13	1200	CLEAR	4+12	Raked grids	DAT
3/18/13	0936	CLEAR	15	ROUTINES/RAKE GRIDS	ST

SCE OD 67-B REV 10/85 (CW)

414 SALTGEN CR. DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

2013 WY

07368

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	VISIT BY
3-19-13	0900	CLEAR	18-4	RAKE GRIDS	ST
3-19-13	1530	CLEAR	15-4	RAKE GRIDS	ST
3-20-13	0830	CLEAR	15-4	ROUTINES/RAKE GRIDS	ST
3-20-13	1615	CLEAR	16-4	RAKE GRIDS	ST
3-21-13	0830	CLEAR	13-4	RAKE GRIDS	ST
3/23/13	1100	CLEAR	7-4	RAKE GRIDS	GWO
3/25/13	1016	CLEAR	7-4	ROUTINES/RAKE GRIDS	ST
3/30/13	1420	CLEAR	5-4	INSPECTION	VIETTA
4/1/13	0930	CLEAR	5-4	CHECK. RAKED GRIDS. NO INCREASE.	DAT
4/1/13	1630	CLEAR	5-4	ROUTINES/RAKE GRIDS	ST
4-7-13	1130	CLEAR	1-4	INSPECTION	VIETTA
4-8-13	1003	CLEAR	4-4	ROUTINES	ST
4-10-13	1441	CLEAR	4-4	ROUTINES/RAKE GRIDS	ST
4-18-13	1330	CLEAR	3-4	ZERO DIVERSION.	DAT
4-22-13	1000	CLEAR	3-4	ROUTINES	ST
4-24-13	0940	CLEAR	3-4	ROUTINES	ST
4-29-13	1030	CLEAR	2-4	ROUTINES	ST
5-1-13	1305	CLEAR	1-4	ALL WATER OUT ORIFICE.	DAT
5-13-13	1100	CLEAR	1-4	ROUTINES	ST
5-22-13	1615	CLEAR	1-4	ROUTINES	ST
5-28-13	0845	CLEAR	0.5-4	ALL WATER OUT ORIFICE	DAT
5-29-13	1300	clear	0	Turned out per Arnaldo/Tito	JLM
6-3-13	1145	clear	0	Turned out Routines	JLM
6-6-13	1515	CLEAR	0	TURNED OUT.	DAT/JRS
6-10-13	1038	CLEAR	0	TURNED OUT	SRH.
6-17-13	1045	clear	0	Turned out / Routines	JLM
6-24-13	1120	clear	0	Routines	JLM
6-24-13	1030	clear	0	Routines	JLM
7-1-13	1500	clear	0	Routines	JLM
7-8-13	9:40	Clear	0	Routines / TURNED OUT	SRH
7-9-13	1040	clear	0	Monthly Routines	JLM
7/15/13	10:20	Clear	0	Routines / TURNED OUT	SRH.
7-22-13	1630	clear	0	Routines	JLM
7-29-13	1655	clear	0	Routine/	JLM
8-5-13	1400	clear	0	Routines	JLM
8-7-13	1442	CLEAR	0	TURNED OUT	JRS/DAT
8-13-13	1620	clear	0	Routines	JLM

SCE OD 67-B REV 10/85 (CW)

414 SALMON CR. DIVERSION

Southern California Edison Company 2013 WY

HYDRO DIVISION LOG SHEET

DATE	TIME	ORIFICE ~~PIPE~~ STATUS	DIVERTED FLOW	NOTES ~~SHEET NO.~~ 07369	VISIT BY
8-19-13	1630	Ø	Ø	Turned out Routines	JWA
8-27-13	1440	Ø	Ø	TØ USGS INSP	DAT/JWA
8-29-13	1620	Ø		Routines	JWA
11 SEPT 13	1315	Ø	Ø	PERMISSION WALKDOWN	VILETA
16 SEPT 13	1237	Ø	Ø	INSPECTION	VILETA
9-16-13	1245	Ø	Ø	TØ 5 YEAR ROUTINE LEVELS	JRS/DR

SCE OD 67-B REV 10/85 (CW)

414 SALMON CR DIVERSION

Southern California Edison Company 2014 WY

HYDRO DIVISION LOG SHEET

SHEET NO. 07370

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERTED FLOW	NOTES	VISIT BY
10-1-13	0735	CLEAR	∅	TURNED OUT, 4 CFS PLATE ON	D. TITO
11-5-13	1425	CLEAR	∅	" " " " "	D.TITO/JRS
11-15-13	1220	CLEAR	∅	FLOWLINE INSPECTION	VIETTA
12-2-13	1255	CLEAR	∅	TURNED OUT. 4 CFS PLATE ON	D.TITO / JRS
12-30-13	0915	CLEAR	∅	TURNED OUT, 4 CFS PLATE ON	JRS
1-8-14	1522	CLEAR	∅	TURNED OUT, 4 CFS PLATE ON	JRS
2-4-14	1527	CLEAR	∅	TURNED OUT, 4 CFS PLATE ON	JRS
2-4-14	1600	clear	∅	Weekly routines	SLH
2-10-14	1100	Clear	∅	Weekly routines - turned out	CWS
2-18-14	1200	clear	∅	Routines	JLH
2-25-14	1231	CLEAR	∅	FLOWLINE INSPECTION	TV
3-3-14	1035	CLEAR	∅	TURNED OUT.	DAT
3-5-14	1200	Clear	∅	Routines	JLH
3-12-14	1600	clear	∅	Routines	JLH
3-18-14	1145	clear	∅	Routines	JLH
3-27-14	1045	clear	∅	Routine	JLH
4-1-14	1600	clear	∅	Routines	CWS
4-9-14	1045	CLEAR	∅	Routines	HUG
4-3-14	1340	CLEAR	∅	TURNED OUT.	DAT
4-10-14	1245	clear	∅	Routing	JLH
4-14-14	1130	clear	∅	~~Section~~ Routines	CWS
4-23-14	0820	CLEAR	∅	TP. USGS INSP.	DAT/DRS/FH/SH
4-23-14	1600	CLEAR	∅	Routines	SRH HUG
4-27-14	1145	clear	∅	Routines	JLH
5-5-14	1015	clear	∅	Routines	CWS
5-5-14	1223	CLEAR	∅	TURNED OUT	JRS
5-13-14	1115	CLEAR	∅	Routines	SRH.
5-19-14	1005	CLEAR	∅	ROUTINES	SRH
5-22-14	1500	clear	∅	Routines	JLH
5-27-14	1640	Clear	∅	Routine	JLH
6-2-14	1642	clear	∅	Routine	TB
6-9-14	15 37	clear	∅	Routine	TB
6-16-14	15 30	Clear	∅	Routine	L. Roberts
6-23-14	14:21	clear	∅	routine	TB
6-25-14	0920	CLEAR	∅	TURNED OUT	JRS
6-30-14	16:15	Clear	∅	Routing	JLH
7-7-14	15:20	clear	∅	Routines	TB

SCE OD 67-B REV 10/85 (CW)

414 SALMON CREEK DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07371

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	VISIT BY
7-14-14	14:31	Clear	0	Routines	T.B.
7-17-14	1321	CLEAR	ø	TURNED OUT	JRS
7-21-14	1630	Clear	ø	Routines	JLA
7-28-14	1630	Clear	ø	Routine	JLA
8-4-14	15:10	Clear	0	Routines	T.B
8-12-14	1100	CLEAR	ø	PERMISSION WALK-DOWN	TV
8-12-14	1530	Clear	ø	Routine	JLA
8-19-14	15:40	Clear	ø	Routine	SRH
8-21-14	1215	CLEAR	ø	TØ	DAT
8-25-14	15:25	Clear	0	Routines	T.B
9-2-14	11:30	CLEAR	ø	TURNED OUT	JRS
9-2-14	14:44	Clear	0	Routines	T.B.
9-9-14	15:30	Clear	ø	TØ Routines	SRH
9-15-14	16:45	Clear	ø	Routine	JLA
9-23-14	15:20	Clear	0	Routines	T.B
9-24-14	8:30	CLEAR	ø	TURNED OUT, USGS INSP	JRS
9-30-14	1600	Clear	ø	Routines	JLA

414 SALMON CREEK DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07373

DATE	TIME	DATE ORIFICE	DIVERTED FLOW	NOTES	VISIT BY
6-1-15	1200	clear		Routine	
6-3-15	1450	CLEAR	Ø	TURNED IN, NO FLOW PAST RELEASE	JRS
6-8-15	1100	Clear		Routine	
6-16-15	9:23	Clear		Routines	
6-22-15	14:52	Clear		Routines	
6-29-15	1700	Clear		Routine	
7-7-15	1645	Clear		Routine	
7-14-15	1125	CLEAR	Ø	TURNED IN, NO FLOW PAST RELEASE	JRS
7-20-15	14:45	clear		Routines	
7-27-15	1300	clear		Routine	
8-2-15	937	Clear	O	month/7	CR
8-3-15	0945	clear		Routine	
8-5-15	0915	clear		Routine	
8-6-15	1030	CLEAR	Ø	TURNED OUT.	DAT
8-11-15	1300	clear		Routines	
8-19-15	@ 8:20	clear		Routines	
8-24-15	11:30	clear		Routines	
9-1-15	1330	CLEAR	Ø	USGS INSPECTION	JRS, DAT, ERS
9-8-15	1300	clear		Routine	
9-14-15	10:30	Clear		Routine	CR
9-21-15	1100	Clear		Routine	CR

414 SALMON CREEK DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07372

DATE	TIME	ORIFICE ~~DATE~~	DIVERTED FLOW	NOTES	VISIT BY
10-1-14	0935	CLEAR	∅	TURNED OUT DUE TO TUNNEL WORK	JRS
10-7-14	9:33	clear	∅	weekly Routines	T. Brown
10-14-14	1600	clear	∅	Routines	JUA
10-2014	9:50	clear	∅	Routines	T. Brown
10/28/14	1500	clear	∅	Routins	JUA
11-3-14	1200	CLEAR	∅	TURNED OUT	JRS
11-3-14	13:00	clear	∅	Routines	Brown
11-9-14	15:00	clear	∅	Routines	Brown
11-24-14	9:30	clear	∅	Routines	JUA
11-29-14	1210	CLEAR	∅	ROUNDS	CHOEN
12-1-14	1100	clear	∅	routines	T. Brown
12-1-14	1340	CLEAR	∅	TURNED OUT	JRS
12-8-14	10:43	clear	∅	~~AT~~ Routines	T. Brown
12-16-14	1445	clear	∅	Routines - Lock and chain valve	JUA
12-24-14	9:00	clear	∅	Routines	SRH
12-29-14	15:00	clear	∅	routines	T. Brown
1-7-15	8:20	CLEAR	∅	TURNED OUT	JRS
1-7-15	9:39	clear	∅	Routines	T. Brown
1-26-15	1100	clear	∅	Monthly Routines	JUA
1-27-15	1435	CLEAR	∅	0.25 cfs ABOVE RELEASE. ALL H_2O OUT ORIFICE. (4CFS)	JTV
2/11/15	1100	CLEAR	∅	ROUTINES	CEA
2-17-15	11:00	Clear	∅	INSPECTION	TV
2-23-15	10:48	clear	∅	routines	T. Brown
2-25-15	14:25	CLEAR	∅	TURNED OUT	JRS
3-2-15	10:12	clear	∅	weekly routines	T. Brown
3-4-15	1338	CLEAR	∅	TURNED OUT	JRS/DAT
3-12-15	1145	clear	∅	Routines	JUA
3/15/15	1245	CLEAR	∅	TURNED IN	RA
3-16-15	11:00	clear	∅	monthly Flow-Line Inspection	T. Brown
3-19-15	1600	clear	∅	Routines	JUA
4-1-15	1130	CLEAR	∅	TURNED IN	TV
4-1-15	1440	CLEAR	∅	TURNED IN, FLOW NOT GOING PAST RELEASE	JRS
4-16-15	1215	clear	∅	Routines	JUA
4-23-15	1100	clear	∅	Routines	JUA
5-6-15	14:08	clear	∅	routines	TB
5-18-15	1330	clear	∅	Routines	JLM
5-26-15	1400	CLEAR	∅	TURNED IN, FLOW NOT GOING PAST RELEASE	JRS

SCE OD 67-B REV 10/85 (CW)

414 SALMON CREEK DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07374

DATE	TIME	ORIFACE DATE	DIVERTED FLOW	NOTES	
10-5-15	1040	CLEAR	<1	RECENT RAIN, TURNED IN, RAKED GRIDS	JRS
10-7-15	1210	clear	0	Routines	JTA
10-15-15	1205	clear	0	Routines put on 1 cfs orfice per Tito	JTA
10-21-15	1300	Clear	<1	Routines	DTE
10-27-15	1400	Clear	0	Routines	LR
11-2-15	1030	Clear	0	Routines	CR
11-2-15	1055	CLEAR	0	CHECK - 1 CFS PLATE ON.	DAT
11-5-15	1442	clear	0	Routines	DTE
11-10-15	1152	Clear	0	Routines	DTE
11-10-15	1350	CLEAR	<1	RECENT RAIN. 1 CFS PLATE ON	JRS
11-16-15	1421	clear	0	Routines	T.B
11-23-15	1215	clear	0	Routines	DTE
12-1-15	0815	CLEAR	0	COLD-ORIFICE CLEAR. ALL WATER IN CREEK	DAT
12-7-15	1515	clear	0	routines	T B
12-15-15	1400	clear	0	Routines	JTA
1-4-16	1400	Clear	0	Routines	JTA
1-5-16	0910	CLEAR	1	RAINING 1 CFS PLATE ON	JRS
1-6-16	1030	clear	3	Routines	JTA
1-11-16	1350	CLEAR	1	CLEARED WOOD FROM ORIFICE PLATE	JRS
1-13-16	1300	clear	1	Routines	JTA
1-21-16	1500	Clear	5	Routines	CR
1-25-16	1020	clear	4	Routines racked grids	T.B.
1-25-16	1345	CLEAR	3	RECENT RAIN	JRS
1-26-16	1400	CLEAR	0	CHANGED ORIFICE PLATE FROM 1 TO 4	JRS
1-27-16	1500	CLEAR	0	ALL H2O OUT RELEASE PIPE	DAT

414 SALMON CREEK DIVERSION
2016 WY

Southern California Edison Company
HYDRO DIVISION LOG SHEET DIVERTED

SHEET NO. 07376

DATE	TIME	G.H. DATE	FLOW	PLATE	FLOW	NOTES	
2-3-16	0920	8.32	3.88	4.0	∅	NEW DL IN PLACE. 12.8V	DAT
2-4-16	1000	8.32	3.88	4.0	∅	Routines	JCA
2-4-16	1130	8.32	4.06	4.0	0.06	FINISH ENCLOSURE. 12.8V	DAT/JRS
2-8-16	1015	8.37	5	4.0	1CFS	Routines	JCA
2-9-16	1330	8.38	5.22	4.0	1.22	CHECKING BATTERY & DATA	JRS
2-10-16	1300	8.40	5.65	4.0	1.65	Routines	
2-11-16	1555	8.41	5.86	4.0	1.86	INSTALLED SOLAR SYSTEM	DAT/OTS
2-16-16	1130	8.44	6.51	4.0	2.51	Routines	JCA
2-16-16	1240	8.44	6.51	4.0	2.51	BATT CHECK. 13.7V CHARGING.	DAT
2-18-16	1045	8.57	9.34	4.0	5.34	Routines	JCA
2-22-16	1145	8.46	6.94	4.0	2.94	Monthly / weekly routine inspection	JCA
2-25-16	1135	8.48	7.37	4.0	3.37	Routines	JCA
2-29-16	1140	8.72	13.5	4.0	9.5	Routine	JCA
3-7-16	1200	8.33	4.25	4.0	.25	Routine	JCA
3-8-16	0955	8.32	4.06	4.0	0.06	FOUND TAPE OFF PINS. RESET. HAYDO GAUGES.	DAT
3-8-16	1030	8.72	13.5	4.0	9.50	CLEANED OUT COMM LINE TO WELL 14.7V	DAT/JT
3-8-16	1430	8.69	13.4	4.0	8.40	ADDED ROCK DROP PIPE - OPENED DRAINGATES	DAT/JRS
3-9-16	1210	8.69	12.6	4.0	8.60	CLEAND ROCK DROP W/ TURN OUT. TB	DAT/JRS DE/CA/TB
3-10-16	1300	8.71	13.2	4.0	9.20	Routines	JCA
3-14-16	1130	8.73	13.8	4.0	9.80	Routines	
3-16-16	0900	8.76	14.0	4.0	10.0	Routines	TB
3-21-16	1130	8.88	18.4	4.	14.4	Routines	JCA
3-23-16	1511	8.85	17.5	4	13.5	Monthley	CBR
3-29-16	1545	8.86	17.8	4	13.8	Routines	JCA
3-30-16	0936	8.78	15.3	4	11.3	Routines	DTE
3-31-16	1220	8.65	11.5	4	7.5	CHECKING OL DATE. ~~NO~~ OK	DAT
4-4-16	1224	8.82	15.6	4	12.6	Routines	JCA
4-4-16	1445	8.79	15.6	4	11.6	CHECK ON GAGE VS. STICK - OK	DAT
4-11-16	1350	8.13	∅			TURNED OUT due to Tunnel max	RA
4-11-16	1125	8.55	8.9	4	4.9	Turned in per Ramon	DAT
5-2-16	1000	8.01	0	0	0	Routines / monthly	JCA
5-5-16	1300	8.01	∅	4.0	∅	TO USGS INSP. EH. 1 HRT.	DAT/JT
5-11-16	1140	8.01	∅	4.0	0	Routine	JCA
5.18.16	1025	8.01	∅	4.0	∅	Routines	T.B
5-24-16	9:40	7.99	∅	4.0	∅	weekly/month/4	CR
5-31-16	1145	7.99	∅	4.0	∅	Routines	JCA
6-2-16	1425	7.99	∅	4.0	∅	Weekly	DTE

SCE OD 67-B REV 10/85 (CW)

414 SALMON CR DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07377

Date	TIME	DATE G.W	Flow	Plate	Diverted Flow		
Left by J. Hughes	1110	7.99	0	4.0	0	Routine	JCM
6-6-16	1150	7.99	0	4.0	0	DATA COLLECTION	JRS
6-28-16	1100	7.99	0	4.0	0	Routine / monthly	JCM
7-6-16	1145	7.99	0	4.0	0	Routines	JCM
7-18-16	1325	7.99	0	4.0	0	TURNED OUT	DAT
7-20-16	1300	7.98	0	4.0	0	Routine / monthly inspection	JCM
8-1-16	1030	7.99	0	4.0	0	Routine	JCM
8-2-16	1330	7.99	0	4.0	0	TURNED OUT. 13.3V	DAT
8-7-16	1000	7.99	0	4.0	0	INSPECTION	TV
8-9-16	1500	7.99	0	4.0	0	TURNED OUT. USGS INSP. 13.4V	DAT/EH/MM
8-15-16	1028	7.98	0	4.0	0	ROUTINES	DTE
8-22-16	1045	7.98	0	4.0	0	ROUTINES	DTE
9-6-16	1355	7.98	0	4.0	0	TURNED OUT	JRS
9-8-16	1007	7.98	0	4.0	0	ROUTINES	DTE
9-26-16	1330	7.99	0	4.0	0	Routines (monthly	JCM

4H/
4B SALMON CR DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07378

DATE	TIME	GAGE HT DATUM	FLOW	PLATE	DIVERTED FLOW	COMMENTS	VISIT BY
10/3/16	0945	7.99	ϕ	4.0	ϕ	TURNED OUT.	DAT
10/3/16	1150	7.99	0	4.0	0	Routines	JLA
10/10/16	1440	7.99	0	4.0	0	Routines	DTE
10/17/16	1500	8.16	1.38	1.0	0	CHANGED PLATE, TURNED IN	JRS
10-24-16	1100	8.16	1.38	1.0	0	Routines	JLA
10-31-16	1100	8.25	2.83	1.0	1.83	Routines	JLA
11-7-16	1130	8.21	2.17	1.0	1.17	Routines	JLA
11-7-16	0933	8.21	2.17	1.0	1.17	Routines	TB
11-9-16	1125	8.20	2.0	1.0	1.0	BATT 13.9V, FLUSHED COMM. LINE	DAT
11-14-16	15:02	8.04	0	1.0	0	Routines	CR
11-15-16	1430	8.00	0	1.0	0	TURNED OUT DUE TO OUTAGE USGS INSP.	JRS/MM
11.16.16	1427	8.17	0.5	1.0	.5	weekly routines	TB GR
11-22-16	1047	8.20	2.0	1.0	1.0	weekly - monthly routines	T.B
11-29-16	1139	8.18	1.67	1.0	.67	weekly routines	T.B
12-1-16	1209	8.18	1.67	1.0	.67	Routines	D.E
12-5-16	1200	8.19	1.83	1.0	.83	Routine	JLA
12-6-16	1216	8.19	1.83	1.0	.83	TURNED IN	JRS
12-8-16	1342	8.20	2.	1.0	1.	Routines	DTE
12-12-16	1500	8.29	3.5	1.0	2.5	Routine	JLA
12-14-16	1310	8.27	3.17	1.0	2.17	monthly - weekly routines	TB
12-19-16	1332	8.35	4.63	1.0	3.63	Routines	JLA
12-21-16	1345	8.31	3.88	1.0	2.88	Routines	JLA
12-29-16	1545	8.26	3.0	1.0	2.0	Routines	JLA
1-3-17	1130	8.26	3.0	1.0	2.0	Routine	JLA
1-5-17	1115	8.66	17.8	1.0	16.8	Routing	JLA
1-5-17	1300	8.03	0	1.0	0	Turned out per Ramon	JLA
1-9-17	1300	8.00	0	1.0	0	Cleaned deck/routines	JLA
1-19-17	0970	8.03	0	1.0	0	Routine	JLA
1-30-17	1050	7.99	0	4.0	0	CHANGED PLATE, TURNED OUT	JRS
2-6-17	1030	8.03	0	4.0	0	Routine	JLA
2-14-17	1520	8.01	0	4.0	0	TURNED OUT	JRS
2-15-17	11:00	8.01	0	4	0	Routines	CR
2-23-17	10:00	8.01	0	4	0	Routines	TB
3-1-17	1400	7.99	0	4	0	Routines	T.B
3-6-17	0940	7.99	ϕ	4	ϕ	TURNED OUT 13.0V	DAT
3-13-17	1030	8.01	0	4	0	Routines turned out	JLA
3-20-17	0958	8.01	0	4	0	Routines	T.B

SCE OD 67-B REV 10/85 (CW)

414/413 SALTDON CR. DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

07379

DATE	TIME	GHT DATE	FLOW	PLATE	DIVERTED FLOW	NOTES SHEET NO.	VISIT BY
4-13-17	1205	8.02	0	4.0	0	FIXED RAKE MOUNT, RR	JRS
4-17-17	1430	8.02	0	4.0	0	Routines/monthly	JCA
4-24-17	1025	8.01	0	4.0	0	Routines	JCA
5-8-17	1500	8.01	0	4.0	0	Routines	JCA
5-15-17	1055	8.04	0	4.0	0	TURNED OUT. LKG OUT ORIFICE 14.4V	DAT
5-17-17	1100	8.04	0	4.0	0	Routines	JCA
5-31-17	1245	8.91	19.4	9.0	15.4	Turned In per Ramon	JCA
6-1-17	1430	8.83	16.9	4.0	12.9	Routines	JCA
6-5-17	1320	8.85	17.5	4.0	13.5	Routines	JCA
6-7-17	0927	8.79	15.6	4.	11.6	Routines	T.B
6-20-17	0930	8.00	0	4.0	0	VERY HOT	JRS
6-20-17	1100	8.00	0	4.0	0	Routines/monthly	JCA
6-27-17	1355	7.99	0	4.0	0	USGS INSP	DAT
7-5-17	1030	8.36	4.81	1.0	3.81	INSTALLED ICFS PLATE. TURNED IN	JRS
7-5-17	1430	8.37	5	1.0	4.0	Routines	JCA
7-6-17	1145	8.36	4.81	1.0	3.81	RR	JRS
7-10-17	1441	8.35	4.63	1.0	3.63	Routines	TB
7-12-17	1125	8.34	4.44	1.0	3.44	Routines	TB
7-20-17	1140	8.29	3.5	1.0	2.5	Routines	TB
7-24-17	0825	8.27	3.17	1.0	2.17	FLOW CHECK	JRS
8-3-17	0910	8.26	3.00	1.0	2.00	ROUTINE CHECK. ORIFICE CLEAN. 13.5V	DAT
8-21-17	1000	8.22	2.33	1.0	1.33	Routines/monthly	CR
8-28-17	1030	8.20	2	1.0	1.0	Routines	JCA
8-31-17	0945	8.24	2.67	1.0	1.67	FLUSHED WELL & ROCK BOX	JRS
8-31-17	1418	8.24	2.67	1.0	1.67	Routines	T.B
9-5-17	1040	8.21	2.17	1.0	1.17	Routines	JCA
9-9-17	0935	8.20	2.00	1.0	1.0	RR	JRS
9-14-17	1000	8.21	2.17	1.0	1.17	Routines	TB
9-18-17	1521	8.21	2.17	1.0	1.17	Routines	TB
9-21-17	1615	8.27	2.33	1.0	1.33	Routines/monthly inspection	JCA
10-3-17	1505	8.24	2.67	1.0	1.67	RR	JRS
10-9-17	1610	8.24	2.67	1.0	1.67	Routines	JCA

414/413 SALMON CR DIVERSION

2018WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07380

DATE	TIME	GHT DATE	FLOW	PLATE	DIVERTED FLOW	NOTES	VISIT BY
12-3-17	1505	8.24	2.67	1.0	1.67	RR	JRS
10-9-17	1610	8.24	2.67	1.0	1.67	ROUTINES	JRS
10-19-17	1415	8.25	2.83	1.0	1.83	COLLECT LOG SHEETS	JRS
10-23-17	1600	8.25	2.83	1.0	1.83	Routines	TB
10-24-17	1705	8.25	2.83	1.0	1.83	USGS INSP.	DAT/JR
11-7-17	1135	8.27	3.17	1.0	2.17	13.8V ORIFICE CLEAR	DAT
11/14/17	1151	8.28	3.33	1.0	2.33	14.3V WEEKLY INSPECT	RA
11-21-17	1254	8.30	3.69	1.0	2.69	Routines	TB
11/28/17	0942	8.28	3.33	1.0	2.33	WEEKLY INSPECTION	RA
11/28/17	1038	Ø	Ø	Ø	Ø	TURNED OUT	RA
12-11-17	1202	Ø	Ø	Ø	Ø	TURNED OUT	JRS
1-8-18	1205	8.00	Ø	1.0	Ø	TURNED OUT. 13.5V RAIN.	DAT
2-8-18	1530	7.99	Ø	4.0	0.0	INSTALLED 40cfs PLATE, TURNED OUT	JRS
2-26-18	1145	8.03	0	4.0	0	Routine/monthly	JRA
3-5-18	1120	8.21	2.17	4.0	0	TURNED IN AFTER STORM RR	JRS
3-12-18	1001	8.47	7.15	4.0	3.15	Routines/Flushed pond	JRA
3-19-18	1550	8.30	3.69	4.0	1.69	Routines/monthly flushed Pond	JRA
3-26-18	0930	8.80	15.9	4.0	11.9	CLEANED GRIDS & TURNED IN	JRS
3-26-18	1200	8.80	15.9	4.0	11.9	Routine	JRA
4-2-18	1015	8.62	10.6	4.0	6.6	Routines	JRA
4-2-18	1220	8.62	10.6	4.0	6.6	13.9V. ORIFICE FREE FLOWING.	DAT
4-2-18	1235	8.40	5.7	4.0	1.7	LIMITED DIVERSION GATE TO REDUCE SPILL	DAT
4-3-18	1410	8.39	5.4	4.0	1.4	TURNING OUT BY CLOSING DIV. GATE	DAT
4-9-18	1145	8.04	0	4.0	0	Routines	JRA
4-26-18	1400	8.03	0	4.0	0	Routines/monthly	JRA
5-7-18	1357	8.01	Ø	4.0	Ø	Routines	TB
5-8-18	1025	8.01	Ø	4.0	Ø	TURNED OUT, TUNNEL FULL	JRS
5-8-18	1500	8.01	0	4.0	0	Routines/monthly	JRA
5-21-18	1505	8.01	Ø	4.0	0	RR, NOT TURNED OUT LOW WATER	JRS
6-25-18	1420	8.01	0	4.0	0	Routines	JRA
6-26-18	1305	8.01	Ø	4.0	0	Mothly routines	LW
7-2-18	1257	8.01	Ø	4.0	0	Wkly/routine	LW
7-3-18	1020	7.99	0	1.0	0	RR, PUT 1cfs PLATE ON	JRS
7-16-18	0940	8.01	Ø	1.0	0	Wkly routines	LW
8-1-18	1220	8.02	Ø	1.0	0	RR	JRS
8-6-18	1430	8.02	Ø	1.0	0	FULL SET OF LEVELS, DRAINED WELL	JRS
9-12-18	1220	8.03	Ø	1.0	0	USGS INSP	DAT/JRS/EH

4/4/413 SALMON CR. DIVERSION & RELEASE

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	GAGE READING	FLOW	PLATE	DIVERTED FLOW	NOTES SHEET NO. 07381	
9-26-18	1200	8.03	0	4.0	0	Monthly/weekly	CJA
10-2-18	1355	8.03	0.15	1.0	0	RR, LIGHT RAIN	JRS
10-30-18	1100	8.02	0	1.0	0	Weekly/monthly routines	JRS
11-7-18	1215	8.00	0	1.0	0	RR	JRS

SALMON CR. DIV.

Southern California Edison Company 2019 WY

HYDRO DIVISION LOG SHEET

DATE	TIME	GHT ~~DATE~~	FLOW	PLATE	DIVERTED FLOW	NOTES ~~SHEET NO:~~ 07382	VISIT BY
10-2-18	1355	8.03	0.15	1.0	0	RR, LIGHT RAIN	JRS
10-30-18	1100	8.02	0	1.0	0	WEEKLY/MONTHLY ROUTINES	JH
11-7-18	1215	8.00	0	1.0	0	RR	JRS
11-26-18	0937	8.00	0	1.0	0	Routines	TB
11-28-18	1051	8.00	0	1.0	0	Monthly Routines	LW
12-3-18	1620	8.24	2.67	1.0	1.67	Routines / Turned In	JW
12-10-18	1053	8.23	2.5	1.0	1.5	Routines	LW
12-17-18	0924	8.25	2.83	1.0	1.83	Routines	TB
12-27-18	1400	8.27	2.33	1.0	1.33	Monthly inspection	JW
12-27-18	0945	8.26	3.00	1.0	2.00	RR	
1-7-19	1300	8.32	4.06	1.0	3.06	Routines	JW
1-8-19	1050	8.28	3.33	1.0	2.33	FLUSHED VALVE. 14.5V	TB
1-23-19	1230	8.36	4.81	1.0	3.81	Routines / Monthly	JW
1-28-19	1410	8.36	4.81	4.0	0.81	PUT 4.0 CFS PLATE ON. TURNED IN RR	JRS
1-31-19	1007	8.37	5.00	4.0	1.00	Routines	TB
2-12-19	1045	8.47	7.15	4.0	3.15	Routines	JW
2-20-19	1425	8.44	6.51	4.0	2.51	RR, RAKED GRIDS	JRS
2-27-19	1330	7.98	0	4.0	0	Routines	LW
3-4-19	1208	7.99	0	4.0	0	Routines	LW
3-4-19	1215	7.99	0	4.0	0	TURNED OUT. VALVE & DRAIN CLOSED	JW
3-26-19	1430	7.99	0	4.0	0	Routines / Monthly	JW
4-4-19	1320	7.99	0	4.0	0	TURNED OUT, FLUME FULL, RR	JRS
4-9-19	1400	7.99	0	4.0	0	Routine	JW
4-22-19	0941	7.99	0	4.0	0	Routines, Turned Out	LW
4-30-19	0936	7.99	0	4.0	0	Routines, Turned Out	LW
5-8-19	1135	7.98	0	4.0	0	DATA COLLECTION, 13.7 V	JRS
5-15-19	1342	7.99	0	4.0	0	Monthly routine	LW
6-5-19	1045	7.99	0	4.0	0	DATA	JRS
6-3-19	1445	7.99	0	4.0	0	Routines	JW
6-17-19	1540	7.99	0	4.0	0	USGS 2H8P	JW
6-26-19	1430	7.99	0	4.0	0	Monthly / weekly inspection	JW
7-1-19	1527	7.99	0	4.0	0	Routines	LW
7-8-19	1444	7.99	0	4.0	0	Routines	LW
7-11-19	1430	7.99	0	4.0	0	RR	JRS
8-15-19	1410	7.99	0	1.0	0	RR. INSTALLED 1.0 CFS PLATE	JRS
8-15-19	1440	8.27	3.17	1.0	2.17	TURNED IN	JRS
8-27-19	1100	8.24	2.67	1.0	1.67	Turned in, monthly routines	LW

SALTTON CR. DIV.

2019 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 07383

DATE	TIME	GHT	Flow	Plate	Riveted flow	Notes	
9-3-19	1013	8.25	2.83	1.0	1.83	Routines	LH
9-9-19	0959	8.24	2.67	1.0	1.67	Routines	LH
9-17-19	1220	8.24	2.67	1.0	1.67	USGS INSP.	DAT
9-24-19	1122	8.24	2.67	1.0	1.67	Routines	LH
9-25-19	1330	8.25	2.83	1.0	1.83	INST. GOES	DAT
10							

SALTDON CR. DIV.
2020 WY.

Southern California Edison Company
HYDRO DIVISION LOG SHEET

SHEET NO. 07384

DATE	TIME	GHT ~~GAGE~~	FLOW	PLATE	DIVERTED FLOW	NOTES	VISIT BY
10-1-19	1430	8.27	3.17	1.0	2.17	ORIFICE CLEAR	D. TITO
10-2-19	0844	8.26	3	1.0	2.00	Routines	T. BROWN
10-7-19	1020	8.27	3.17	1.0	2.17	Routines	LW
10-14-19	1201	8.29	3.5	1.0	2.5	Routines.	LW
10-21-19	1113	8.28	3.33	1.0	2.33	Routines	TB - LW
10-28-19	1456	8.28	3.33	1.0	2.33	Routines	LW-TB
11-4-19	1433	8.30	3.69	1.0	2.69	Routines	LW
11-12-19	1030	8.14	1.13	1.0	0.13	CLOW CLEARING LEAVES, RR	JRS
11-12-19	1038	8.14	1.13	1.0	0.13	Routines	LW
12-3-19	1110	8.36	4.81	1.0	3.8	BATT 14.3	DA.TITO
12-9-19	1054	8.17	1.5	1.0	0.5	Routines	LW
12-11-19	0908	8.37	5	1.0	4.0	routine	LW
1-13-20	1030	8.35	4.63	1.0	3.63	Routines Turned in	T.B.
1-21-20	1130	8.36	4.81	1.0	3.81	DATA COLLECTION	JRS
1-23-20	1001	8.36	4.81	1.0	3.81	Routines	LW
1-27-20	1145	8.37	5.00	4.0	1.00	PUT 4 cfs PLATE ON	JRS
2-3-20	1328	8.33	4.25	4.0	.25	Routines	TB
2-10-20	1240	8.39	5.43	4.0	1.43	RAKED GRIDS	JRS
2-12-20	1300	8.40	5.65	4.0	1.65	Routines	JRA
3-3-20	1450	8.55	8.90	4.0	4.90	Routines	JRA
3-9-20	1150	8.45	6.72	4.0	2.72	ORIFICE CLEAD	D. TITO
3-12-20	1007	8.29	3.5	4.0	Ø	Routines	LW
3-16-20	1700	8.56	9.12	4.0	5.12	Monthly	JRA
3/23/20	1221	8.50	7.8	4.0	3.8	INSPECTION	RA
4/9/20	1011	8.13	1.01	4.0	Ø	Routines / Data logger	LW
4/9/20	1011	8.46	6.94	4.0	2.94	Routines / Analog	LW
4-9-20	1105	8.48	7.37	4.0	3.37	MIN BATT 12.4	TITO
4-13-20	0955	8.47	7.15	4.0	3.15	Routines	LW
4-20-20	1005	8.92	19.7	4.0	15.7	routines	LW
4-21-20	1445	8.85	17.5	4.0	13.5	REPLACED DRAW VALVE	JRS
4-22-20	1030	8.87	18.1	4.0	14.1	GMM - ZERO SHIFT	DHJ
4-27-20	1132	8.82	16.6	4.0	12.6	Routines	LW
4-28-20	1030	8.80	15.9	4.0	11.9	CHECK BEFORE TO	RA
4-28-20	1035	8.19	1.8	4.0	Ø	TURNED OUT TO TEST HW	RA
5-4-20	1002	8.17	1.5	4.0	Ø	Turnd. Out	LW
5-11-20	1044	8.16	1.38	4.0	Ø	Turned Out	LW
5-13-20	1410	8.16	1.38	4.0	Ø	TURNED OUT	DAT

SALTON CR. DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	GHT	FLOW	(10AA) PLATE	DIVERTED FLOW	NOTES SHEET NO. 07285	VISIT BY
5/21	1140	8.40	5.65	4.0	1.65	TURNED in	RA
5-26	1020	8.35	4.63	4.0	0.63	RR	JRS
5-26	1215	8.35	4.63	4.0	0.63	Monthly	DAT
~~6-1~~	~~1454~~	~~8.32~~	—	—	—	—	—
6-1	1458	8.32	4.06	4.0	.06	Routine	~~DAT~~
6-3	1030	8.29	3.50	4.0	-	TURNED OUT USGS INSP.	JRS
6-10-20	1125	8.05	0.25	4.0	ø	TURNED OUT	DAT
7-7-20	0935	8.05	0.25	4.0	ø	TURNED OUT	DAT
7-7-20	1041	7.99	ø	4.0	ø	TURNED OUT	LW
7-27-20	1055	7.99	ø	4.0	ø	Turned out	~~DAT~~
8-4-20	1455	7.99	ø	4.0	ø	TURNED OUT	DAT
8-20-20	1200	7.99	ø	1.0	ø	INSTALLED 1 CFS PLATE	JRS
9-3-20	1530	7.99	0	1.0	0	RR	JRS
9-14-20	1030	7.99	ø	1.0	ø	Routines	~~DAT~~
9-17-20	0910	7.99	ø	1.0	ø	USGS INSP	DAT
9-21-20	1000	7.99	ø	1.0	ø	Routines	~~DAT~~

SCE OD 67-B REV 10/85 (CW)

SAWMON CR. DIV. 413/414
2021 WY

Southern California Edison Company
HYDRO DIVISION LOG SHEET

SHEET NO. 07386

DATE	TIME	G HT	FLOW	PLATE	DIVERTED FLOW	NOTES	VISIT BY
10/5/20	1050	7.99	Ø	1.0	Ø	TURNED OUT	D. TITO
10/7/20	1040	7.99	Ø	1.0	Ø	"	Fisher
10-26-20	1545	7.99	Ø	1.0	Ø	"	Fisher
11-2-20	1535	7.99	Ø	1.0	Ø	DATA	JRS
11-16-20	1230	7.99	Ø	1.0	Ø	Routines	Fisher
11-23-20	1340	7.99	Ø	1.0	Ø	Routines	Fisher
12-10-20	1430	7.99	Ø	1.0	Ø	Routines	Fisher
12-16-20	1406	7.99	Ø	1.0	Ø	DATA RR	JRS
12-29	1615	7.99	Ø	1.0	Ø	Routines	[illegible]
1-11-21	1430	7.99	Ø	1.0	Ø	Routines	[illegible]
1-19-21	1220	7.99	Ø	1.0	Ø	TØ. 13.9V, TUNNEL DRAINING.	D. TITO
1-28-21	1140	7.99	Ø	4.0	Ø	INSTALLED 4 cfs PLATE	JRS
2-8-21	1545	7.99	Ø	4.0	Ø	Routines	[illegible]
2-18-21	1510	7.99	Ø	4.0	Ø	DATA	JRS
3-1-21	1525	7.99	Ø	4.0	Ø	Routines	Fisher
3-2-21	1100	7.99	Ø	4.0	Ø	TØ. TUNNEL OUTAGE	D. TITO
3-29-21	1500	8.44	6.51	4.0	2.51	Turned in monthly/weekly	JLH
4-6-21	0959	8.35	4.63	4.0	.63	Brons Routines	J.B
4-8-21	0940	8.33	4.25	4.0	.25	DATA	JRS
4-8-21	1445	8.32	4.06	4.0	.06	LOWERED INTAKE GATE	JRS
4-19-21	1214	8.26	3	4.0	Ø	cfs Routines	RA
4-26-21	1035	8.24	2.67	4.0	Ø	Weekly/monthly inspection	JLH
5-10-21	1040	8.20	2.0	4.0	Ø	Routines	[illegible]
5-5-21	1535	8.20	2.0	4.0	Ø	USGS INSP. ALL WATER IN CR.	PH
5-12-21	0940	8.00	Ø	4.0	Ø	TURNOUT DIV. INSTALL DO TEMP	DAT
5-17-21	1530	8.00	Ø	4.0	Ø	Routines	[illegible]
6-9-21	900	7.99	Ø	4.0	Ø	DATA	JRS
6-21-21	1045	7.99	Ø	4.0	Ø	Weekly/monthly	[illegible]
7-6-21	1440	7.99	Ø	4.0	Ø	DATA	JRS
7-21-21	1010	7.99	Ø	1.0	Ø	INSTALLED 1 cfs PLATE	JRS
8-2-21	0925	7.99	Ø	1.0	Ø	TØ	DAT
8-30-21	1615	7.99	Ø	1.0	Ø	Monthly	[illegible]
9-2-21	1155	7.99	Ø	1.0	Ø	TØ	DAT
9-14-21	0900	7.99	Ø	1.0	Ø	Monthly/weekly walking permission	[illegible]

SCE OD 67-B REV 10/85 (CW)

414 Salmon Creek Diversion 11186550

2022 WY

Date	Time	GHT	Flow	Plate	Diverted	Notes	Visit by
10-13-21	1415	7.99	ϕ	1.0	ϕ	TURNED OUT. 13.8v	D. TITO
11-9-21	09:45	7.99	ϕ	1.0	ϕ	weekly routines	T. Simmons
11-9-21	14:10	7.99	ϕ	1.0	ϕ	TURNED OUT	JRS
11-15-21	1110	7.99	ϕ	1.0	ϕ	weekly routines	T. Simmons
11-18-21	1040	7.99	ϕ	1.0	ϕ	USGS INSP.	D. TITO
11-29-21	1130	7.99	0	1.0	0	Monthly / weekly insp	DH
12-1-21	1150	7.99	ϕ	1.0	ϕ	TΦ. BATT 14.4v MIN. 12.4v	D. TITO
12-8-21	15:00	7.99	ϕ	1.0	ϕ	weekly routines	T. Simmons
12-20-21	1000	7.99	ϕ	1.0	ϕ	weekly routies	T. Simons
12-29-21	0940	7.99	ϕ	1.0	ϕ	weekly/monthly insp.	T. Simons
1-10-22	1530	7.99	ϕ	1.0	ϕ	weekly routines	T. Simmons
1-18-22	1040	7.99	ϕ	1.0	ϕ	TURNED OUT	D. TITO
1-19-22	1010	7.99	ϕ	4.0	ϕ	CHANGED ORIFICE TO 4	D. TITO
2-1-22	1310	7.99	ϕ	4.0	ϕ	TURNED OUT	JRS
2-8-22	1030	7.99	ϕ	4.0	ϕ	weekly routines	T. Simmons
2-17-22	1250	7.99	0	4.0	0	Routines	JH
2-22-22	0930	7.99	ϕ	4.0	ϕ	weekly routines	T. Simmons
3-1-22	1055	7.99	ϕ	4.0	ϕ	MONTHLY DATA	D. TITO
3-1-22	1115	7.99	ϕ	4.0	ϕ	weekly/monthly inspection	T. Simmons
3-14-22	1008	7.99	ϕ	4.0	ϕ	weekly routines	T. Simmons
3-21-22	1110	7.99	ϕ	4.0	ϕ	weekly routines	T. Simmons
3-24	1040	7.99	ϕ	4.0	ϕ	weekly/monthly inspection	T. Simmons
4-4-22	1150	7.99	ϕ	4.0	ϕ	MONTHLY DATA	JRS
4-21-22	1320	7.99	ϕ	4.0	ϕ	Weekly Routines	T. Simmons
4-25-22	1150	7.99	ϕ	4.0	ϕ	weekly/monthly inspection	T. Simmons
4-28-22	0900	7.99	ϕ	4.0	ϕ	USGS INSP.	D. TITO
5-2-22	0920	7.99	ϕ	4.0	ϕ	weekly routines	T. Simmons
5-4-22	1050	7.99	ϕ	4.0	ϕ	check 14.1v	D. TITO
5-11-22	1420	7.99	ϕ	4.0	ϕ	weekly routies	T. Simmons
5-19-22	1359	7.99	ϕ	4.0	ϕ	weekly routies	T. Simmons
5-31-22	0935	7.99	ϕ	4.0	ϕ	weekly routies	T. Simmons
6-6-22	1330	7.99	ϕ	4.0	ϕ	TURNED OUT 13.8v	D. TITO
6-16-22	1000	7.99	ϕ	4.0	ϕ	DATA PULLED	JRS
6-29-22	0927	7.99	ϕ	4.0	ϕ	weekly/monthly inspection	T. Simmons
7-5-22	0900	7.99	ϕ	[illegible]0	ϕ	weekly routies	T. Simmons

414 Salmon Creek Diversion 11186550 2022 WY

Date	Time	GHT	Flow	Plate	Diverted	Notes	Visit by
7-5-22	1020	7.99	Ø	4.0	Ø	TØ BATT 14.2	D. TITO
7-11-22	1040	7.99	0	4.0	0	weekly routines	T. Simmons
7-18-22	1250	7.99	0	4.0	0	weekly routines	T. Simmons
8-24-22	1105	7.99	Ø	4.0	Ø	DATA	JRS
9-6-22	0850	7.99	0	4.0	0	weekly routines	T. Simmons
9-22-22	1400	7.99	0	4.0	0	Monthly	JWA
10-10-22	1014	7.99	0	4.0	0	weekly routines	T. Simmons
10-13-22	0905	7.99	Ø	1.0	0	USGS INSP. DAT	JRS, NW

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2009

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/29/2012

1. Water is used under	Other: prescription
2. Year of first use	1921

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion (CFS)	Amount directly diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	0	0	0
February	0	0	0
March	2.3	30	30
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total		30	30

5. Purpose of Use	
Other	Hydroelectric generation

6. Changes in Method of Diversion

7. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

8. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

9. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No

b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

10a. Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Brian
Last Name	McGurty
Relation to Water Right	Owner
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2010

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/29/2012

1. Water is used under	Other: prescription
2. Year of first use	1921

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used			
Month	**Rate of diversion (CFS)**	**Amount directly diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0
February	0	0	0
March	0	0	0
April	0.05	0.24	0.24
May	10	190	190
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total		190.24	190.24

5. Purpose of Use	
Other	Hydroelectric generation

6. Changes in Method of Diversion

7. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

8. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

9. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No

b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

10a. Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Brian
Last Name	McGurty
Relation to Water Right	Owner
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2011

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/29/2012

1. Water is used under	Other: prescription
2. Year of first use	1921

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used			
Month	**Rate of diversion (CFS)**	**Amount directly diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total		0	0

5. Purpose of Use	
Other	Hydroelectric generation

6. Changes in Method of Diversion

7. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

8. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

9. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No

b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

10a. Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Brian
Last Name	McGurty
Relation to Water Right	Owner
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2012

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/30/2015

1. Water is used under	Other: Prescription
2. Year diversion commenced	1921

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	**Rate of diversion (CFS)**	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0.16	10	10	10
May	1.86	110	110	110
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Total		120	120	120
Comments				

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2012	
8q. Amount (Acre-Feet) projected for 2013	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement		
a.	Measurement	Water directly diverted and/or diverted to storage was measured
b.	Types of measuring devices used	Acoustic Meter
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	Hydrographer
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	
	Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use	
Other	Hydropower

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

11a. Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Paul
Last Name	Teensma

Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2013

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/30/2015

1. Water is used under	
2. Year diversion commenced	1924

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	**Rate of diversion (CFS)**	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0.001	0.06	0.06	0.06
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Total		0.06	0.06	0.06
Comments				

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2013	
8q. Amount (Acre-Feet) projected for 2014	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement		
a.	Measurement	Water directly diverted and/or diverted to storage was measured
b.	Types of measuring devices used	Acoustic Meter
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	Hydrographer
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	
	Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use	
Other	Hydropower

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

11a. Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Paul
Last Name	Teensma

Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2014

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/23/2015

1. Water is used under	Other: Prescription
2. Year diversion commenced	1921

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	**Rate of diversion (CFS)**	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0	0
February	0	0	0	0
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Total		0	0	0
Comments	No water used because there was no water in this creek during 2014.			

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2014	
8q. Amount (Acre-Feet) projected for 2015	
8r. Exchange or settlement of prior rights	
8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement		
a.	Measurement	Water directly diverted and/or diverted to storage was measured
b.	Types of measuring devices used	Other: None - no water in the creek during 2014
c.	Additional technology used	
	Description of additional technology used	
d.	Who installed your measuring device(s)	Hydrographer
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	Other
	Explanation of method(s) used as an alternative to direct measurement	None. No water in the creek this year.

6. Purpose of Use	
Other	Hydropower

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

11a. Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Paul

Last Name	Teensma
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2015

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/28/2016

1. Water is used under	Pending Appropriative Right
2. Year diversion commenced	1924

3-4. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used

Month	Rate of diversion (CFS)	Amount directly diverted (Acre-Feet)	Amount diverted or collected to storage (Acre-Feet)	Amount beneficially used (Acre-Feet)
January	0	0	0	0
February	0.021	1.2	0	1.2
March	0	0	0	0
April	0	0	0	0
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Total		1.2	0	1.2
Type of Diversion	Direct Diversion Only			
Comments				

Water Transfers	
8e. Water transfered	No
8f. Quantity transfered (Acre-Feet)	
8g. Dates which transfer occurred	/ to /
8h. Transfer approved by	

Water Supply Contracts	
8i. Water supply contract	No
8j. Contract with	
8k. Other provider	
8l. Contract number	
8m. Source from which contract water was diverted	
8n. Point of diversion same as identified water right	
8o. Amount (Acre-Feet) authorized to divert under this contract	
8p. Amount (Acre-Feet) authorized to be diverted in 2015	
8q. Amount (Acre-Feet) projected for 2016	
8r. Exchange or settlement of prior rights	

8s. All monthly reported diversion claimed under the prior rights	
8t. Amount (Acre-Feet) of reported diversion solely under contract	

5. Water Diversion Measurement		
a.	Measurement	Water directly diverted and/or diverted to storage was measured
b.	Types of measuring devices used	Acoustic Meter
c.	Additional technology used	Data Logger
	Description of additional technology used	
d.	Who installed your measuring device(s)	Hydrographer Representative using United States Geological Survey (USGS) techniques
e.	Make, model number, and last calibration date of your measuring device(s)	
f.	Why direct measurement using a device listed in Section 1 is "not locally cost effective"	
	Explanation of why use of devices and technologies listed in Section 1 are "not locally cost effective"	
g.	Method(s) used as an alternative to direct measurement	
	Explanation of method(s) used as an alternative to direct measurement	

6. Purpose of Use	
Power	36800 kW

7. Changes in Method of Diversion

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	Acre-Feet
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

11a. Additional Remarks

Attachments		
File Name	Description	Size

No Attachments

Contact Information of the Person Submitting the Form	
First Name	Andrew
Last Name	McMillan
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2016

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 10/04/2017

1. Water is used under	Pending Appropriative Right
2. Year diversion commenced	1924

3. Purpose of Use	
Power	10000 kW

4. Changes in Method of Diversion

Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

5-6. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	**Rate of diversion (CFS)**	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0	0
February	2	57	0	57
March	3.2	109	0	109
April	1.4	17	0	17
May	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0.23	0.5	0	0.5
December	1.1	13	0	13
Total		196.5	0	196.5
Type of Diversion	Direct Diversion Only			
Comments				

Water Transfers	
6d. Water transfered	No
6e. Quantity transfered (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

Water Supply Contracts	
6h. Water supply contract	No
6i. Contract with	

6j. Other provider	
6k. Contract number	
6l. Source from which contract water was diverted	
6m. Point of diversion same as identified water right	
6n. Amount (Acre-Feet) authorized to divert under this contract	
6o. Amount (Acre-Feet) authorized to be diverted in 2016	
6p. Amount (Acre-Feet) projected for 2017	
6q. Exchange or settlement of prior rights	
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	

7. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Fixed Orifice
M2. Nickname	
M3. Type of device / method	Other: Fixed Orifice
M4. Device make	
M5. Serial number	
M6. Model number	
M7. Approximate date of installation	01/01/1978
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	
M10. Estimated accuracy of measurement	
M11. Description of calibration method	Not Applicable.
M12. Describe the maintenance schedule for the device/method	Quarterly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Unknown Installer
M14. Phone number	
M15. Email	
M16. Qualifications of the individual	A person under the supervision of a California-registered Professional Engineer and employed to install, operate, and maintain water measurement and reporting devices or methods
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2340

M21. Data recorder model number	H500XL
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	
M27. I have attached additional information on the method I used to calculate the volume of water	
M28. Describe any documents related to this measurement device or method that are attached to this water use report	

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Andrew
Last Name	McMillan
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2017

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/21/2018

1. Water is used under	Pending Appropriative Right
2. Year diversion commenced	1924

3. Purpose of Use	
Power	10000 kW

4. Changes in Method of Diversion

Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

5-6. Maximum Rate of Diversion for each Month and Amount of Water Diverted and Used				
Month	**Rate of diversion (CFS)**	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	1.6	12	0	12
February	4	51	0	51
March	11	488	0	488
April	11	649	0	649
May	11	327	0	327
June	2	38	0	38
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Total		1565	0	1565
Type of Diversion	Direct Diversion Only			
Comments				

Water Transfers	
6d. Water transfered	No
6e. Quantity transfered (Acre-Feet)	
6f. Dates which transfer occurred	/ to /
6g. Transfer approved by	

Water Supply Contracts	
6h. Water supply contract	No
6i. Contract with	

6j. Other provider	
6k. Contract number	
6l. Source from which contract water was diverted	
6m. Point of diversion same as identified water right	
6n. Amount (Acre-Feet) authorized to divert under this contract	
6o. Amount (Acre-Feet) authorized to be diverted in 2017	
6p. Amount (Acre-Feet) projected for 2018	
6q. Exchange or settlement of prior rights	
6r. All monthly reported diversion claimed under the prior rights	
6s. Amount (Acre-Feet) of reported diversion solely under contract	

7. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Fixed Orifice
M2. Nickname	
M3. Type of device / method	Other: Fixed Orifice
M4. Device make	
M5. Serial number	
M6. Model number	
M7. Approximate date of installation	01/01/1978
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	
M10. Estimated accuracy of measurement	
M11. Description of calibration method	Not Applicable.
M12. Describe the maintenance schedule for the device/method	Quarterly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Unknown Installer
M14. Phone number	
M15. Email	
M16. Qualifications of the individual	A person under the supervision of a California-registered Professional Engineer and employed to install, operate, and maintain water measurement and reporting devices or methods
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2340

M21. Data recorder model number	H500XL
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	
M27. I have attached additional information on the method I used to calculate the volume of water	
M28. Describe any documents related to this measurement device or method that are attached to this water use report	

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	
	I have data to support the above surface water use reductions due to conservation efforts.	

9. Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

10. Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form	
First Name	Andrtew
Last Name	McMillan
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2018

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 02/12/2020

1. Water is used under	Pending Appropriative Right
2. Year diversion commenced	1924

2. Purpose of Use	
Power	33 MW

3. Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

4. Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0
February	0	0	0
March	25	0	25
April	24	0	24
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	49	0	49
Type of Diversion	Direct Diversion Only		
Comments			

5. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Fixed Orifice
M2. Nickname	
M3. Type of device / method	Other: Fixed Orifice
M4. Device make	

M5. Serial number	
M6. Model number	
M7. Approximate date of installation	01/01/1978
M8. Additional info	
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	
M10. Estimated accuracy of measurement	15
M11. Description of calibration method	Not Applicable.
M12. Describe the maintenance schedule for the device/method	Quarterly
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Unknown Installer
M14. Phone number	
M15. Email	
M16. Qualifications of the individual	
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2340
M21. Data recorder model number	H500XL
M22. Data recorder units of measurement	Cubic Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
No attachments			

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**
No data files			

6. Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
January	0
February	0
March	1.40
April	3.10
May	0
June	0
July	0
August	0
September	0

October	0
November	0
December	0

7. Water Transfers	
8a. Water transfered	No
8b. Quantity transfered (Acre-Feet)	
8c. Dates which transfer occurred	/ to /
8d. Transfer approved by	

Water Supply Contracts	
8e. Water supply contract	No
8f. Contract with	
8g. Other provider	
8h. Contract number	
8i. Source from which contract water was diverted	
8j. Point of diversion same as identified water right	
8k. Amount (Acre-Feet) authorized to divert under this contract	
8l. Amount (Acre-Feet) authorized to be diverted in 2018	
8m. Amount (Acre-Feet) projected for 2019	
8n. Exchange or settlement of prior rights	
8o. All monthly reported diversion claimed under the prior rights	
8p. Amount (Acre-Feet) of reported diversion solely under contract	

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	
	I have data to support the above surface water use reductions due to conservation efforts.	

Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

Additional Remarks

Attachments		
File Name	**Description**	**Size**
No Attachments		

Contact Information of the Person Submitting the Form

First Name	Andrew
Last Name	Mcmillan
Relation to Water Right	Diverter of Record
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2019

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/24/2020

1. Water is used under	Pending Appropriative Right
2. Year diversion commenced	1924

2. Purpose of Use	
Power	40 MW

3. Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

4. Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	12	0	12
February	116	0	116
March	257	0	257
April	571	0	571
May	497	0	497
June	229	0	229
July	7.1	0	7.1
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0
December	0	0	0
Total	1689.1	0	1689.1
Type of Diversion	Direct Diversion Only		
Comments			

5. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Stage Discharge Rating Table in Pipeline
M2. Nickname	
M3. Type of device / method	Float
M4. Device make	Waterlog

M5. Serial number	
M6. Model number	H331 SDI12
M7. Approximate date of installation	10/01/2005
M8. Additional info	The float and tape sense the water in a stilling well adjacent to the pipeline conveying water to the main canal.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	11/10/2019
M10. Estimated accuracy of measurement	10
M11. Description of calibration method	Monthly Visits to ensure correct level is being recorded by datalogger.
M12. Describe the maintenance schedule for the device/method	Monthly visits to ensure calibration of level, and operation of float tape without obstruction.
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Derrick Tito
M14. Phone number	760-376-8350
M15. Email	derrick.tito@sce.com
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2340
M21. Data recorder model number	H500XL
M22. Data recorder units of measurement	Feet
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
M004004	416 Rtg 3.txt	416 Rating Table	8 KB

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**
No data files			

6. Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
January	0.63
February	5.70
March	8.90
April	11
May	11
June	8.70

July	0.66
August	0
September	0
October	0
November	0
December	0

7. Water Transfers	
8a. Water transfered	No
8b. Quantity transfered (Acre-Feet)	
8c. Dates which transfer occurred	/ to /
8d. Transfer approved by	

Water Supply Contracts	
8e. Water supply contract	No
8f. Contract with	
8g. Other provider	
8h. Contract number	
8i. Source from which contract water was diverted	
8j. Point of diversion same as identified water right	
8k. Amount (Acre-Feet) authorized to divert under this contract	
8l. Amount (Acre-Feet) authorized to be diverted in 2019	
8m. Amount (Acre-Feet) projected for 2020	
8n. Exchange or settlement of prior rights	
8o. All monthly reported diversion claimed under the prior rights	
8p. Amount (Acre-Feet) of reported diversion solely under contract	

8. Conservation of Water		
a.	Are you now employing water conservation efforts?	No
	Describe any water conservation efforts you have initiated	
b.	Amount of water conserved	
	I have data to support the above surface water use reductions due to conservation efforts.	

Water Quality and Wastewater Reclamation		
a.	Are you now or have you been using reclaimed water from a wastewater treatment facility, desalination facility, or water polluted by waste to a degree which unreasonably affects such water for other beneficial causes?	No
b.	Amount of reduced diversion	
	Type of substitute water supply	
	Amount of substitute water supply used	
	I have data to support the above surface water use reductions due to the use of a substitute water supply	

Conjuctive Use of Surface Water and Groundwater		
a.	Are you now using groundwater in lieu of surface water?	No
b.	Amount of groundwater used	
	I have data to support the above surface water use reductions due to the use of groundwater.	

Additional Remarks

Attachments		

File Name	Description	Size
416 2019CY.docx	416 DayQs 2019CY	25 KB
S001830 Raw Data 2019CY.xlsx	416 raw 15min data 2019CY	618 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative
The information in the report is true to the best of his/her knowledge and belief	Yes

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR 2020

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 06/09/2021

1. Water is used under	Pending Appropriative Right
2. Year diversion commenced	1924

2. Purpose of Use	
Power	40 MW

3. Special Use Categories	
C1. Are you using any water diverted under this right for the cultivation of cannabis?	No

4. Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	11	0	11
February	0	0	0
March	13	0	13
April	175	0	175
May	50	0	50
June	0	0	0
July	0.08	0	0.08
August	0.04	0	0.04
September	0.12	0	0.12
October	0	0	0
November	0	0	0
December	0	0	0
Total	249.24	0	249.24
Type of Diversion	Direct Diversion Only		
Comments			

5. Water Diversion Measurement	
a. Required to measure as of the date this report is submitted	Yes
b. Is diversion measured?	Yes
c. An alternative compliance plan was submitted to the division of water rights on	
d. A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
M1. Briefly describe the measurement device or method	Acoustic Velocity Meter measures velocity in a fixed geometry Pipeline
M2. Nickname	Corral AVM
M3. Type of device / method	Flow meter (ultrasonic)

M4. Device make	Panametrics
M5. Serial number	M02190039
M6. Model number	AT600
M7. Approximate date of installation	10/01/2019
M8. Additional info	A pair of clamp-on transducers are uised by the AT600 AVM to sense the pipe water velocity. This velocity is used along with the fixed cross-sectional area to compute a direct read CFS output.
M9. Approximate date the measuring device was last calibrated or the measurement method was updated	11/10/2019
M10. Estimated accuracy of measurement	10
M11. Description of calibration method	Monthly Visits to ensure correct sound speed is reported as a function of measured water temperature.
M12. Describe the maintenance schedule for the device/method	Monthly visits to ensure calibration of sound speed and discharge. Battery voltage checks are also performed.
Information for the person who last calibrated the device or designed the measurement method	
M13. Name	Derrick Tito
M14. Phone number	760-376-8350
M15. Email	derrick.tito@sce.com
M16. Qualifications of the individual	Person working under the supervision of a California Professional Engineer
M17. License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
M18. Type of data recorder device / method	Data logger (digital)
M19. Data recorder device make	Design Analysis
M20. Data recorder serial number	2340
M21. Data recorder model number	H500XL
M22. Data recorder units of measurement	Cubic Feet per Second
M23. Frequency of data recording	More frequent than hourly
M24. Additional data recorder info	The previous level system remains in place, and can be used as backup data if the AVM malfunctions. The level data requires the use of a rating table to convert to flow.
M25. I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
M26. I report my diversion or storage date by telemetry to the following website	

Measurement Attachments

Measurement ID Number	File Name	Description	Size
M004004	S001830 CFS to AF.docx	S001830 Volume Method	11 KB

Measurement Data Files

Measurement ID Number	File Name	Description	Size
M004004	S001830 Raw Data 2020CY.xlsx	S001830 Raw data 2020CY	466 KB

6. Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	0.41
February	0
March	2
April	6.30
May	3.80
June	0
July	0.01
August	0.01
September	0.03
October	0
November	0
December	0

7. Water Transfers	
8a. Water transfered	No
8b. Quantity transfered (Acre-Feet)	
8c. Dates which transfer occurred	/ to /
8d. Transfer approved by	

Water Supply Contracts	
8e. Water supply contract	No
8f. Contract with	
8g. Other provider	
8h. Contract number	
8i. Source from which contract water was diverted	
8j. Point of diversion same as identified water right	
8k. Amount (Acre-Feet) authorized to divert under this contract	
8l. Amount (Acre-Feet) authorized to be diverted in 2020	
8m. Amount (Acre-Feet) projected for 2021	
8n. Exchange or settlement of prior rights	
8o. All monthly reported diversion claimed under the prior rights	
8p. Amount (Acre-Feet) of reported diversion solely under contract	

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	No	No	No
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

Conservation Supporting Information	
Description of conservation methods	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	

Additional Remarks
The measuring method was updated to transition to a more accurate acoustic velocity meter. The old measuring system remains in place to provide backup data if necessary.

Attachments		
File Name	**Description**	**Size**
416 2020CY DayQs.xlsx	S001830 Daily values 2020CY	23 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative
The information in the report is true to the best of his/her knowledge and belief	Yes

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	06/09/2021

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR REPORTING PERIOD

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 03/10/2022

Water is used under	Pending Appropriative Right
Year diversion commenced	1924

Purpose of Use	
Power	40 MW

Special Use Categories	
Are you using any water diverted under this right for the cultivation of cannabis?	No

Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0.04	0	0.04
Total	0.04	0	0.04
Type of Diversion	Direct Diversion Only		
Comments	The 2020 water year was critically dry. Almost no water was available for diversion at this water right location.		

Water Diversion Measurement	
Required to measure as of the date this report is submitted	Yes
Is diversion measured?	Yes
An alternative compliance plan was submitted to the division of water rights on	
A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
Briefly describe the measurement device or method	Acoustic Velocity Meter measures velocity in a fixed geometry Pipeline
Nickname	Corral AVM
Type of device / method	Flow meter (ultrasonic)
Device make	Panametrics

Serial number	M02190039
Model number	AT600
Approximate date of installation	10/01/2019
Additional info	A pair of clamp-on transducers are uised by the AT600 AVM to sense the pipe water velocity. This velocity is used along with the fixed cross-sectional area to compute a direct read CFS output.
Approximate date the measuring device was last calibrated or the measurement method was updated	11/10/2019
Estimated accuracy of measurement	10
Description of calibration method	Monthly Visits to ensure correct sound speed is reported as a function of measured water temperature.
Describe the maintenance schedule for the device/method	Monthly visits to ensure calibration of sound speed and discharge. Battery voltage checks are also performed.
Information for the person who last calibrated the device or designed the measurement method	
Name	Derrick Tito
Phone number	760-376-8350
Email	derrick.tito@sce.com
Qualifications of the individual	Person working under the supervision of a California Professional Engineer
License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
Type of data recorder device / method	Data logger (digital)
Data recorder device make	Design Analysis
Data recorder serial number	2340
Data recorder model number	H500XL
Data recorder units of measurement	Cubic Feet per Second
Frequency of data recording	More frequent than hourly
Additional data recorder info	The previous level system remains in place, and can be used as backup data if the AVM malfunctions. The level data requires the use of a rating table to convert to flow.
I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
I report my diversion or storage date by telemetry to the following website	

Measurement Attachments

Measurement ID Number	File Name	Description	Size
M004004	S001830 CFS to AF.docx	Conversion Description flow to AF	11 KB

Measurement Data Files

Measurement ID Number	File Name	Description	Size
M004004	416 Raw data 2021WY.xlsx	416 Raw Data 2021WY	334 KB

Maximum Rate of Diversion

Month	Rate of Diversion (Cubic Feet Per Second)
January	0

February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0.01

Water Transfers	
Water transfered	No
Quantity transfered (Acre-Feet)	
Dates which transfer occurred	/ to /
Transfer approved by	

Water Supply Contracts	
Water supply contract	No
Contract with	
Other provider	
Contract number	
Source from which contract water was diverted	
Point of diversion same as identified water right	
Amount (Acre-Feet) authorized to divert under this contract	
Amount (Acre-Feet) authorized to be diverted in 2021	
Amount (Acre-Feet) projected for 2022	
Exchange or settlement of prior rights	
All monthly reported diversion claimed under the prior rights	
Amount (Acre-Feet) of reported diversion solely under contract	

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	No	No	No
January			
February			
March			
April			
May			
June			
July			
August			
September			

Conservation Supporting Information	
Description of conservation methods	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	

Additional Remarks
The 2020 water year was critically dry, and almost no water was available for diversion.

Attachments		
File Name	**Description**	**Size**
416 Day Qs 2021wy.xlsx	416 Day Qs 2021WY	17 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative
The information in the report is true to the best of his/her knowledge and belief	Yes

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	03/10/2022

[SUMMARY OF FINAL SUBMITTED VERSION]

SUPPLEMENTAL STATEMENT OF WATER DIVERSION AND USE FOR REPORTING PERIOD

October 1, 2021 to September 30, 2022

Primary Owner: SOUTHERN CALIFORNIA EDISON COMPANY
Statement Number: S001830
Date Submitted: 01/19/2023

Water is used under	Pending Appropriative Right
Year diversion commenced	1924

Purpose of Use	
Power	40 MW

Special Use Categories	
Are you using any water diverted under this right for the cultivation of cannabis?	No

Amount of Water Diverted and Used			
Month	**Amount directly diverted (Acre-Feet)**	**Amount diverted or collected to storage (Acre-Feet)**	**Amount beneficially used (Acre-Feet)**
2021			
October	0	0	0
November	0	0	0
December	0	0	0
2022			
January	0	0	0
February	0	0	0
March	0	0	0
April	0	0	0
May	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
Total	0	0	0
Type of Diversion	No Diversion		
Comments	The 2022 water year was critically dry, and followed two equally dry years. There was never sufficient water to meet the minimum in-stream flow requirements and allow water to be diverted for power generation.		

Water Diversion Measurement	
Required to measure as of the date this report is submitted	Yes
Is diversion measured?	Yes
An alternative compliance plan was submitted to the division of water rights on	
A request for additional time was submitted to the division of water rights on	

Measurement ID number	M004004
This Device/Method was used to measure water during the current reporting period	Yes
Briefly describe the measurement device or method	Acoustic Velocity Meter measures velocity in a fixed geometry Pipeline
Nickname	Corral AVM
Type of device / method	Flow meter (ultrasonic)
Device make	Panametrics
Serial number	M02190039
Model number	AT600
Approximate date of installation	10/01/2019
Additional info	A pair of clamp-on transducers are uised by the AT600 AVM to sense the pipe water velocity. This velocity is used along with the fixed cross-sectional area to compute a direct read CFS output.
Approximate date the measuring device was last calibrated or the measurement method was updated	11/10/2019
Estimated accuracy of measurement	10
Description of calibration method	Monthly Visits to ensure correct sound speed is reported as a function of measured water temperature.
Describe the maintenance schedule for the device/method	Monthly visits to ensure calibration of sound speed and discharge. Battery voltage checks are also performed.
Information for the person who last calibrated the device or designed the measurement method	
Name	Derrick Tito
Phone number	760-376-8350
Email	derrick.tito@sce.com
Qualifications of the individual	Person working under the supervision of a California Professional Engineer
License number and type for the qualified individual above and/or any other relevant explanation	The individual above works under the supervision of a California-Registered Professional Engineer License # C85109
Type of data recorder device / method	Data logger (digital)
Data recorder device make	Design Analysis
Data recorder serial number	2340
Data recorder model number	H500XL
Data recorder units of measurement	Cubic Feet per Second
Frequency of data recording	More frequent than hourly
Additional data recorder info	The previous level system remains in place, and can be used as backup data if the AVM malfunctions. The level data requires the use of a rating table to convert to flow.
I am required to report my diversion or storage data by telemetry as of the date this report is submitted	No
I report my diversion or storage date by telemetry to the following website	

Measurement Attachments			
Measurement ID Number	**File Name**	**Description**	**Size**
M004004	S001830 CFS to AF.docx	Flow to volume conversion	11 KB

Measurement Data Files			
Measurement ID Number	**File Name**	**Description**	**Size**

M004004	416 Raw Data 2022wy.xlsx	416 Raw Data File 2022WY	443 KB

Maximum Rate of Diversion	
Month	**Rate of Diversion (Cubic Feet Per Second)**
2021	
October	0
November	0
December	0
2022	
January	0
February	0
March	0
April	0
May	0
June	0
July	0
August	0
September	0

Water Transfers	
Water transfered	No
Quantity transfered (Acre-Feet)	
Dates which transfer occurred	/ to /
Transfer approved by	

Water Supply Contracts	
Water supply contract	No
Contract with	
Contract number	
Source from which contract water was diverted	
Point of diversion same as identified water right	
Amount (Acre-Feet) authorized to divert under this contract	
Amount (Acre-Feet) authorized to be diverted in 2022	
Amount (Acre-Feet) projected for 2023	
Exchange or settlement of prior rights	
All monthly reported diversion claimed under the prior rights	
Amount (Acre-Feet) of reported diversion solely under contract	

Credits Claimed			
	Conservation	**Reclaimed Water Use**	**Conjunctive Groundwater Use**
Claimed? (Yes/No)	No	No	No
2021			
October			
November			
December			
2022			
January			
February			
March			

April			
May			
June			
July			
August			
September			

Conservation Supporting Information	
Description of conservation methods	
Description of baseline water use and time period	
Description of conservation calculation methods	
Conserved water used?	

Additional Remarks
The 2022 Water year was too dry to allow for any diversion.

Attachments		
File Name	**Description**	**Size**
416 Day Qs 2022wy.docx	416 Daily Values and Monthly Volumes 2022WY	25 KB

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Contact Information of the Person Submitting the Form	
First Name	Derrick
Last Name	Tito
Relation to Water Right	Company Representative

Information on Certification and Signatory	
Name of Person Signing and Certifying the Report	Derrick Tito
Date of Signature	01/19/2023

415 CORAL CREEK 2005 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERTED FLOW	COMMENTS SHEET NO. 06951	MADE BY
9-22-04	1140	CLEAR	Ø	TURNED OUT STILL. DIVERSION OUT OF SERVICE	D. TITO
9-30-04	0800	Clear	Ø	Turned out - Est 1 CFS Total in Creek	J Downum
10-13-04	1300	clear	Ø	Turned out - 2 1/2 CFS in Creek	D. Kench
10-14-04	1420	CLEAR	Ø	TURNED OUT – GATE OPEN. DIVERSION OUT OF SRV.	D. TITO
10-17-04	0900	Clear	Ø	T.O. Cleared For Tunnel outage	RA
10/25/04	1045	Clear	Ø	Turned off Tunnel back in Service	RA
10/25/04	1500	clear	Ø	T.O. Tunnel back out of Service	RA
11/2/04	1100	clear	Ø	T.O Tunnel Back in Service	RA
11/4/04	0900	clear	Ø	Turned out Approx. .79 CFS	RA
11/17/04	1400	CLEAR	Ø	T.O. CIVIL CREW FINISHING REPAIRS ON DIVERSION	D. TITO
11-27-04	0730	Clear	Ø	T.O. Due To Low Water	JD
11-28-04	1140	CLEAR	Ø	T.O.	DA TITO
12-8-04	1100	Clear	Ø	T.O	J Downum
12-9-04	1040	Clear	Ø	T.O	RP
12-10-04	0950	CLEAR	Ø	T.O.	D. TITO
12-13-04	0840	Clear	Ø	T.O.	RT
12/30/04	0815	CLR	Ø	Turned out Est 1 cfs in D.V	RA
1/5/05	0935	Clear	Ø	Turned out Repairs beg made	D. Kench
1-10-05	0850	UNDER H_2O	?	FLOOD LEVEL. DAM SPILLING EST. 50+ CFS IN CR. TURNED OUT, BUT FLOW ENTERING CONDUIT.	D. TITO
1-10-05	0855	" "	11.2	RAKED GRIDS, TURNED IN, DRAIN @ DAM OPEN	D. TITO J.D. & DK
1-11-05	0810	" "	11.2	" ", WERE CLOCKED, " " " "	D. TITO
1-14-05	0830	Clear	Zero	Closed Drain Gate	J Downum
1-17-05	1440	Clear	3.77		Stivers
1-20-05	1010	clear	~~5.76~~ 9.14	Raked Grids	D Ind
2-2-05	1045	clear	2	Raked Grids / Clear	ASK
2/8/5	0840	CLR	1.30	GH 12.40 in Pipe	CA
2/10/05	0850	CLR	1.30	GH 12.40 in Pipe	RA
2-12-05	1210	CLR	1.4	Pond Only 1/2 Full - Raked Grids	JA
2/16/05	1215	CLR	3.52	GH 5.61	RA
2/23/05	1355	Cloudy	3.77	Pond -.24 RAKED GRIDS	JS
~~2-27-05~~ 3-1-05	1230	CLR	3.30	GH = 15.59	JD
3-1-05	1215	CLR	3.30	Cleaned Grids	JD
3-4-05	0815	Clr	Ø	Turned out for Plant outage	DSK
3-23-05	1110	CLEAR	Ø	TURNED OUT. DAM SPILLING. DRAIN OPEN	DAT/DSK
4-3-05	1053	clr	16.49/9.69cfs	TURNED IN.	R. PARKER
4-4-05	1210	CLEAR	3.0	MEASURED 1.0 RELEASE W/ AVM	D. TITO

SCE OD 67-B REV 10/85 (CW)

415 CORAL CREEK

2005 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06952

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERTED FLOW	COMMENTS	MADE BY:
4/5/05	1135	CLEAR	T/O	TURNED-OUT	[illegible]
4-11-05	1150	clear		Turned In	J Dor
5-9-05	1520	clear		Turned In Racked boards.	DM
5/21/05	1145	Clear	11.3	Pond spilling/ Approx 15-20 CFS	[illegible]
5-26-05	1110	CLEAR		USGS INSP. 1 CFS ORIFICE + SPILL	DAT/DB
6-15-05	1300	clear		Turned In Flush D.V Racked Gates	DSK/RA
6-16-05	1330	CLEAR	2.20-4	TURNED OUT - DRAIN GATE OPEN.	DAT
6-23-05	1000	clear	T/O	~~Turned~~ Flow line Ins	DSK
6-27-05	1530	clear	T/O	Turnout Biweekly Ins	DSK
7-11-05	1405	clear	T/O	Drain Gate Open - Turned Out	DSK
7-14-05	1000	CLEAR	T/O	DRAIN OPEN - ZERO DIVERSION	DAT
7-18-05	1500	clear	T/O	Drain open - Used Pump to pasted Clear Pond	DSK
8/4/05	1040	CLR	Turnout	Rountine check	RLH
8-11-05	1430	clr	T/O	Weekly check - Turned Out	DSK
8-15-05	1000	CLEAR	T/O	CHECK - TURNED OUT.	DAT
8-18-05	0800	clear	T/O	Weekly Check - Turned Out	DSK
8/29/05	1500	Clr	T/O	weekly check Turned out	DSK
9-6-05	1330	CLEAR	T/O	TURNED OUT - DRAIN OPEN. RAN LEVELS	DAT/DK
9-12-05	1415	clear	T/O		RG
9-27-05	1105	CLEAR	T/O	TURNED OUT - USGS INSP.	DAT/DB
9/28/05	0850	Clear	TO	Approx .75 CFS in Reach	KA
10/3/05	1125	CLEAR	TO	TURNED OUT.	DAT

SCE OD 67-B REV 10/85 (CW)

415 CORAL CREEK

2006 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06953

DATE	TIME	ORIFICE FLOW DATE	DIVERTED FLOW	COMMENTS	MADE BY
10/3/05	1125	TØ	Ø	TURNED OUT.	DAT
10/11/05	1425		Ø	TURNED OUT	RA/DK
11/15/05	1215	TØ	Ø	TURNED OUT 1 CFS PLATE REMAINS OBL.	DAT
12/28/05	1405	TØ	Ø	" " " " DRAIN GATE OPEN.	DAT
2-13/06	1155	TØ	Ø	" " " " " "	DAT
2/28/06	1338	Turned In	5.05	Load Plant up From Station 15.736H	RH
3/1/06	1025	TURNED IN	1.89	ORIFICE CLEAR. 1.0 CFS PLATE ON	DAT
3/7/06	0817	T.I.	1.89	ORIFICE CLEAR. RAKED GRIDS	JRS
3-30-06	1340	T.I	10.1	Orifice Pipe Damaged - Will Place In CAMS	JA
4-5-06	0945	T.I.	> 11.3	POND SPILLING @ 1.55	GB
4-6-06	0930	Clear	11.3	Pond Spilling	RH
4-12-06	1150	Clear	15.14	O.S .066	RT
4-17-06	1120	U.W.	10.5	OSS 1.38 DAM SPILLING Plugged GRIDS	JRS
4-18-06	1405	T In	11.2	OSS .50 17.8P GH	DSK
4-19-06	0800	T.O.	Ø	Turned Out for orifice repairs.	DSK
4-24-06	1405	T.O.	Ø	FOUND OUT FROM REPAIRS. 1 CFS VERIFIED PLATE. TURNED IN @ 1424 10+SPILL	DAT
4-27-06	1120	T.I.	11.1	DAM @ Slight Spill	JRS
5/30-06	0800	Under Water	11.3	Dam Spilling Approx 10 CFS	RH
5/7/06	0930	Clear	11.3	Dam Spilling Approx 5 CFS	RH
6/2/06	1050	Clear	2	Total 3 CFS	RH
6/6/06	1035	CLEAR	1	DUG CONTROL TO IZEL. POOL. GRIDS CLEAN. 1 CFS PLATE IS ON.	DAT
6/20/06	0920	Clear	<1	Turned Out Due To Low Flows (Pasha)	GB
7/19/06	1500	CLEAR	Ø	TURNED OUT - USGS INSP.	DAT/OB
8/24/06	1450	Clear	Ø	Turned out (Removed Wasp Nest)	DSK
9/7/06	0900	CLEAR	Ø	TURNED OUT. DRAIN WIDE OPEN	DAT

415 CORAL CREEK RBL. 2007 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06954

DATE	TIME	ORIFICE ~~DATE~~ STATUS	DIVERSION FLOW	COMMENTS	MADE BY
10-2-06	1135	CLEAR	ϕ	TURNED OUT. DRAIN OPEN. 1CFS PLATE ON	DAT
10/16/06	0945	Clr	ϕ	Draining Flow Line for Plant Repairs	RLH
10/31/06	1155	CLEAR	ϕ	TURNED OUT, USGS INSP	DAT/OB
11/27/06	1100	CLEAR	ϕ	TURNED OUT.	DAT
12/14/06	1530	clear	ϕ	T/O	DSK
1/2/07	1600	CLEAR	ϕ	TURNED OUT. DRAIN OPEN, 1 CFS PLATE ON	DAT/VW
2/14/07	1115	CLEAR	ϕ	Tϕ	DAT
3/7/07	1215	CLEAR	ϕ	Tϕ	DAT
3/20/07	0845	CLEAR	ϕ	DIVERSION REMAINS Tϕ CLEARANCE RELEASED. NOT ENOUGH H2O TO TURN-IN	DAT
4/9/07	1240	CLEAR	ϕ	Tϕ	DAT
5/16/07	1200	CLEAR	ϕ	Tϕ - USGS INSP.	DAT/OB
6/18/07	1515	CLEAR	ϕ	Tϕ EST < 0.1 CFS IN CREEK	DAT
7/23/07	1050	CLEAR	ϕ	Tϕ " " " " " " - VERY DRY!	DAT
8/9/07	1030	clr	ϕ	TO. Tagged gates for clr Drain	DSK
8/30/07	1330	CLEAR	ϕ	Tϕ	DAT
9/19/07	1045	CLEAR	ϕ	Tϕ	DAT
[illegible]/26/07	1400	CLEAR	ϕ	Tϕ	DAT/KB
10/8/07	0940	clr	ϕ	TO	DSK

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company
HYDRO DIVISION LOG SHEET

415 CORAL CREEK REL.
2008 WY

SHEET NO. 06955

DATE	TIME	ORIFICE FLOW	DIVERTED FLOW	COMMENTS	MADE BY
10/8/07	0940	CLEAR	ϕ	TϕT	DSK
10/16/07	1200	CLEAR	ϕ	TϕT	DAT
10-23-07	9:45	Clear	ϕ		RT
11-7-07	1735	CLEAR	ϕ	TϕT ICE3 PLATE REMAINS OVR.	DAT/DB
11/24/07	0935	clear	ϕ		JLH
12/17/07	1315	CLEAR	ϕ	TURNED OUT.	DAT
1-21-08	11:45AM	clear	ϕ	Turned out	JLW
1/24/08	1PM	Clear	ϕ	TO Parker	
1/29/08	1100	CLEAR	ϕ	TϕT	DAT
3/10/08	1520	CLEAR	ϕ	TϕT. WATER IN KR3 CANAL @ 1230 DIVERSION REMAINS TϕT	DAT
4/2/08	1151	clear	ϕ	Cloudy Day	MP
4/14/08	1510	CLEAR	ϕ	TϕT ALL WATER IN CREEK	DAT
5/1/08	1430	CLEAR	ϕ	TϕT " " " "	DAT
5/13/08	1340	CLEAR	ϕ	TϕT " " " ", USGS INSP.	DAT/DB
6/4/08	1240	CLEAR	ϕ	TϕT, " " " "	DAT
7/7/08	1230	CLEAR	ϕ	TϕT, " " " ", NAT. CREEK VERY LOW.	DAT
8/4/08	1405	CLEAR	ϕ	TϕT, RECENT FLASH FLOOD DEBRIS PRESENT	DAT
9/11/08	1300	CLEAR	ϕ	TϕT - DIVERSION DEBRIS REMOVED	DAT
9/29/08	1220	CLEAR	ϕ	TϕT - ALL WATER IN CREEK.	DAT
9/30/08	1110	CLEAR	ϕ	TϕT - RAN FULL SET OF LEVELS	DAT/KB

SCE OD 67-B REV 10/85 (CW)

CORAL CR. REL. 2009 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06956

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	DESCRIPTION	VISIT MADE BY
10-9-08	1310	CLEAR	ϕ	TURNED OUT.	DAT
10/15/08	1315	clear	ϕ	TO	JB/RM
10/30/08	1340	clear	ϕ	Turned out / monthly routines	Justin Humphers
11/5/08	1315	CLEAR	ϕ	TURNED OUT. 1CFS PLATE ON.	DAT
11/18/08	1610	CLEAR	ϕ	TO, USGS INSP.	DAT/OB
12/4/08	1010	CLEAR	ϕ	TO	DAT
1/13/09	0900	CLEAR	ϕ	TO. 1 CFS PLATE ON.	DAT
2/4/09	1340	CLEAR	ϕ	TO. 1 CFS PLATE ON	DAT
3/1/09	1100	ok	2.08 c/s	Turned in 15.48 = 2.08 c/s	DSK
3/2/09	1200	Debris	2.50	Turned in 15.50 = 2.50	JLA
3/9/09	0830	CLEAR	1.30	SAND EXCESSIVE @ GRIDS — TURNING OUT.	DAT/JLH
3/16/09	1100	clear	ϕ	excessive sand at grids	JLA
3/17/09	1230	clear	0	removing sand	JLA
3/19/09	1145	clear	0	removing sand	JLH
3/23/09	1140	clear	0	removing sand / routines	JLH
3/25/09	1030	clear	0	Turned out Sand / weekly routines	JLH
3/26/09	1330	clear	0	Turned out monthly routines	JLH
4/6/09	1100	clear	0	Turned out weekly routines	JLH
4/9/09	1000	Clear	0	Turned out weekly routines	MP
4/13/09	1030	Clear	0	Turned out Weekly routines	MP
4/15/09	1430	clear	0	Turned out Routines	JLH
4/20/09	1120	Clear	0	Turned out weekly routines	MP
4/21/09	1105	Clear	0	Turned out Monthly routines	MP
4/27/09	0945	Clear	0	Turned Out weekly routines	MP
4/27/09	1145	Clear	0	Turned out Weekly routines	MP
4/29/09	1105	Clear	0	Turned Out	MP
5/4/09	1135	Clear	0	Turned Out	MP
5-6-09	1140	clear	0	Turned Out	MP
5-11-09	1030	Clear	0	Turned Out	MP
5-12-09	0815	CLEAR	ϕ	TURNED OUT	DAT
5-14-09	1025	Clear	0	Turned out	MP
5-17-09	1010	Clear	0	Turned out	MP
5-20-09	0925	Clear	0	Turned out	MP
6-1-09	10:00	clear	ϕ	Turned out	RT
6-3-09	1610	Clear	ϕ	Turned out	RT
6-8-09	1455	CLEAR	ϕ	TURNED OUT - ORIFICE AREA SANDED	DAT
6-6-09	1500	clear	0	Turned out	JLH

SCE OD 67-B REV 10/85 (CW)

CORAL CR DIV.

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06957

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	DESCRIPTION	VISIT MADE BY
6-10-09	1530	clear	0	Turned out Routines	JLH
6-15-09	1645	clear	0	"	DTE
6-17-09	1630	clear	0	"	JLH
6-23-09	1630	clear	0	"	DTE
6-25-09	1820	CLEAR	0	TURNED OUT - USGS INSP.	DAT/DB
7-16-09	1035	clear	0	Turned out / Routines	DTE
8-3-09	1530	clear	0	Turned out	JLH
8-10-09	0935	CLEAR	0	TURNED OUT.	DAT
8-10-09	1430	clear	0	Turned out	JLH
8-12-09	1550	clear	0	Turned out	JLH
8-24-09	1555	clear	0	Turned out all ok	JLH
9-21-09	1530	CLEAR	0	TURNED OUT.	DAT

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

CORAL CR DIV. DIV. REL.

DATE	TIME	ORIFICE DATE STATUS	DIVERTED FLOW CFS	NOTES SHEET NO. 06958	VISIT BY:
10-6-09	1410	*	ϕ	TURNED OUT. * ORIFICE IN MUD. NOT READY FOR SERVICE	DAT
10-21-09	1325	*	ϕ	TURNED OUT. * " " " " "	DAT
11-24-09	1555	*	ϕ	" " * " " " " " "	DAT
12-14-09	1235	*	ϕ	Tϕ, * NOT READY FOR SERVICE	DAT
1-11-10	1130	*	ϕ	Tϕ, * " " " "	DAT
2-1-10	1035	*	ϕ	Tϕ, * DIVERSION NOT READY FOR SERVICE.	DAT
2-3-10	1500		Q	Routines	JCH
2-8-10	1530		Q	Routines	JCH
2-10-10	1000		Q	Routines	JCH
2-11-10	1300		Q	Monthly Routines	JCH
2-16-10	1500		Q	weekly routines	JCH
2-18-10	1540		Q	Weekly routines	WP
2-22-10	1355		Q	weekly routines	JCH
2-25-10	1500		Q	weekly routines	JCH
3-1-10	0840	*	ϕ	Tϕ, * ORIFICE BURIED IN MUD/SAND - NOT READY 4 SER.	DAT
3-1-10	1540		Q	weekly routines	WP
3-2-10	1145		Q	Monthly routines	JCH
3-8-10	1505		Q	weekly routines	WP
3-10-10	1615		Q	Weekly routines	WP
3-15-10	1455		Q	Weekly routines	WP
3-18-10	1520		Q	Weekly routines	WP
3-22-10	1600		Q	Weekly routines	WP
3-24-10	1505		Q	Weekly routines	WP
3-31-10	1325		Q	Routines	JCH
4-5-10	1400		Q	Routines	JCH
4-13-10	0805	*	ϕ	Tϕ, * NOT READY FOR SERVICE	[illegible]
4-20-10	1430		Q	routines.	JCH
5-3-10	0810	*	ϕ	Tϕ, NOT READY FOR SERVICE.	DAT
5-7-10	1300		9+1	Tuned in It's Ready Now	DSK
5-9-10	0845		10+1	Tuned in Ready and	DSK
5-10-10	0910	CLEAR	11.3	DAM SPILLING. DIVERSION IN SERVICE. TCES OUT FOR...	DAT
5-12-10	1500	clear	11.3	Routines raked grids	JCH
5-13-10	1230	CLEAR	7.0	SAND IN POND. REL OK. CLEANED BLW ORIFICE	DAT
5-13-10	1455	CLEAR	7.3 – ϕ	TURNED OUT DIVERSION TO FLUSH SAND	DAT
~~5-14-10~~	~~1045~~	~~clear~~		~~TURNED IN DIVERSION CLEAR~~ DAT	~~TOT DP~~
5-19-10	1530	clear	Q	Routines	JCH
5-20-10	1030	CLEAR	6.6 CFS	TURNED-IN. SAND CLEAR ORIFICE OK	DAT

COYAL CR. DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06959

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	VISIT BY
5-20-10	1330	clear	6.86	Routines check in	JLH
5-24-10	1500	clear	6.29	Routines Raked Grids	JLH
5-25-10	1105	clear	6.00	Routines / check in raked grids	JLH
5-26-10	1600	clear	5.45	Routines raked grids	JLH
6-27-10	1700	clear		Turned out (Sand)	JLH
6-2-10	0835	CLEAR	ø	TURNED OUT.	DAT
6-2-10	0900	clear	ø	Turned Out / Routines	JLH
6-17-10	12.50	CLEAR	ø	TURNED OUT/USGS INSP	DAT/OB
7-1-10	0945	CLEAR	ø	TURNED OUT - NAT. FLOW VERY LOW	DAT
7-14-10	1600	Clear	ø	Turned out	MP
7-21-10	1522	clear	ø	Turned out All OK	JLH
8-9-10	1445	Clear	ø	Turned out	MP
8-16-10	0850	CLEAR	ø	TURNED OUT	DAT
8-25-10	1430	clear	ø	Routines	JLH
8-26-10	1105	clear	ø	Monthly Routines	JLH
9-7-10	1600	clear	ø	Routines	JLH
9-14-10	1130	clear	ø	monthly Routines	JLH

SCE OD 67-B REV 10/85 (CW)

CORAL CR DIV.

Southern California Edison Company FAIN. REL. 415

HYDRO DIVISION LOG SHEET

SHEET NO. 06960

DATE	TIME	ORIFICE DATE STATUS	DIVERTED FLOW	NOTES:	VISIT BY
10-5-10	1330	CLEAR	∅	TURNED OUT.	DAT
11-4-10	1340	CLEAR	∅	TURNED OUT	DAT
12-1-10	1450	CLEAR	∅	TURNED OUT	DAT
1-11-11	1644	Clear		Routines / Monthly	JCA
1-24-11	1115	Clear	∅	Routines	MP
1-27-11	0900	Clear	∅	Turned out	DSK
2-1-11	1030	CLEAR	∅	TURNED OUT	DAT
2-2-11	1100	clear	∅	Routines	JCA
2-7-11	1100	clear	∅	Routines	JCA
2-9-11	1300	clear	∅	Routines	MA
2-14-11	0900	clear	∅	Routines	JCA
2-16-11	1030	CLEAR	∅	CHANGED BATT. RAIN GAL	DAT
2-18-11	1200	clear	∅	Routines	JCA
2-22-11	1000	clear	∅	Routines	JCA
2-24-11	1115	clear	∅	Routines	JCA
2-28-11	10:15	clear	∅	Routines	MA
3-2-11	1430	clear	∅	Routines	JCA
3-3-11	1305	CLEAR	∅	TURNED OUT.	DAT
3-7-11	1519	clear	∅	Routines	JCA
3-14-11	0930	clear	∅	Routines	JCA
3-16-11	1255	clear	∅	Routines	JCA
3-30-11	1400	Clear	∅	Routines	JCA
4-5-11	0910	CLEAR	∅	HEAVY SPILL - TURNED OUT.	DAT
4-7-11	0945	Clear	∅	Routines	JCA
4-24-11	1200	clear	∅	Routines	JCA
5-2-11	0900	CLEAR	∅	TURNED OUT.	DAT
5-[illegible]-11	0930	Clear	∅	Routines	JCA
5-25-11	0945	clear	∅	Routines	JCA
6-1-11	0830	CLEAR	∅	TURNED OUT	DAT
6-12-11	1120	clear	∅	Routines	JCA
6-23-11	1530	clear	∅	Patrol	DTE
7-5-11	0842	CLEAR	∅	TURNED OUT.	DAT
7-6-11	0945	clear	∅	Routines	JCA
7-11-11	1045	Clear	∅	Routines	JCA
7-14-11	0755	clear	∅	Routines	JCA
7-18-11	1200	clear	∅	Routines	JCA
8-1-11	1330	clear	∅	Routines	RT

CORRAL CREEK

Southern California Edison Company

HYDRO DIVISION LOG SHEET

415

SHEET NO. 06961

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	VISIT BY
8-3-11	0900	CLEAR	ϕ	TURNED OUT.	DAT
8-15-11	1545	clear	ϕ	Turned Out / Routines	JLA
8-17-11	1005	clear	ϕ	Turned Out / Routines	JLA
8-17-11	1520	CLEAR	ϕ	TURNED OUT. USGS INSP.	DAT/DB
8-22-11	1000	clear	ϕ	Turned out / Routines	JLA
9-6-11	1045	clear	ϕ	Turned out / Routines	JLA
9-7-11	0905	CLEAR	ϕ	TURNED OUT.	DAT
9-20-11	1430	CLEAR	ϕ	TURNED OUT/ USGS INSP. SOLAR PANNEL STOLEN.	DAT/RJS
9-26-11	1115	CLEAR	ϕ	SOLAR PANNEL WAS STOLEN.	DAT
9-27-11	1030	CLEAR	ϕ	INSTALLED SOLAR PANNEL	
10-3-11	1635	Clear	ϕ	Turned Out / Routines	DTE

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

CORRAL CREEK DIVERSION

SHEET NO. 06962

DATE	TIME	ORIFICE STATUS	DIVERTED FLOW	NOTES	VIS BY
10-5-11	0820	CLEAR	∅	TURNED OUT.	
10-10-11	1556	Clear	∅	Turned out.	
10-19-11	1640	clear	∅	Turned out	
10/24/11	1134	CLEAR	∅	TURNED OUT	
10/26/11	1545	CLEAR	∅	TURNED OUT. →USGS INSP.	
11/1/11	0820	CLEAR	∅	TURNED OUT.	
11-23-11	1345	clear	∅	Turned out	
11/25/11	1000	CLEAR	∅	TURNED OUT	
12/5/11	1400	Clear	∅	Turned out	
12/19-11	1600	Clear	∅	Turned out	
1-3-12	1545	clear	∅	Turned out	
1-9-12	0930	CLEAR	∅	TURNED OUT	
1-11-12	1400	clear	∅	Turned out	
1-16-12	1656	clear	∅	Turned Out	
1-23-12	1630	Clear	∅	Turned Out	
1-25-12	1530	clear	∅	Turned out	
1-30-12	1540	clear	∅	Tured OUT	
2-2-12	1510	clear	∅	Turned out	
2-6-12	1605	clear	∅	Turned out	
2-8-12	1620	clear	∅	Turned Out	
2-13-12	1515	Clear	∅	Routines	
2-16-12	0915	Clear	∅	Routines	
2-22-12	1500	clear	∅	Routines	
3-5-12	1630	Clear	∅	Routines	
3-12-12	1600	clear	∅	Routines	
3-19-12	1000	Clear	∅	Routines	
3-22-12	0825	CLEAR	∅	TO	
3-24-12	1002	CLEAR	∅	Routines	
3-27-12	1630	Clear	∅	Routine	
3-28-12	0930	Clear	∅	Turned In	
3/29/12	1234	CLEAR	1.22	INSPECTION	
3/31/12	1252	CLEAR	1.79	INSPECTION	
4-2-12	0915	clear	1.22	Routines	
4-3-12	0900	CLEAR	1.14	INSPECTION	
4-4-12	0915	CLEAR	1.14	INSPECTION	
4-5-12	1145	clear	1.06	Routines	
4-8-12	1315	Clear	.52	INSPECTION	

SCE OD 67-B REV 10/85 (CW)

CORAL CREEK DIVERSION

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06963

DATE	TIME	DATE	DIVERTED FLOW	NOTES	VISIT BY
4-9-12	1030		.593	Routines	JLM
4-9-12	1245		~~5.20~~		
4-12-12	1045		5.20	Routine	CS/D
4-16-12	1230		1.89	Routines	JLM
4-18-12	1630		3.06	Routines	JLM
4-23-12	1200		3.25	Routines	CS/J
4-24-12	1340		2.61	KR3 Monthly inspection	CS/J
4-30-12	0925		1.59	TURNING OUT - OPS TEST OF CANAL FLOW	DAT
5-2-12	1530		0	Turned out / Routines	JLM
5-2-2	1330		∅	Turned out / Routines	CWS
5-28	1545		∅	Turned Out / Routines	DTE
6-4-12	1445		∅	Turned out	JRS/I
6-7-12	1100		∅	Routines	JLM
6-14-12	1400		∅	Turned out / Routines	CS/JH
7-5-12	0730		∅	TURNED OUT	JRS
7-19-12	1615		∅	Routines	JLM
8-1-12	1510		∅	TURNED OUT	JRS
8-21-12	1440		∅	TURNED OUT USGS INSP.	DAT/JRS
8-26-12	1100		∅	Routines	JLM
9-4-12	1540		∅	TURNEED OUT CLEAR	JRS
9-11-12	0745		∅	TO	DAT

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

CORRAL CR. DIVERSION
2012 WY
NOTES

SHEET NO. 06964

DATE	TIME	~~DATE~~	DIVERTED FLOW	NOTES	VISIT BY.
9-11-12	0745		∅	TURNED OUT ALL WATER IN CREEK	DAT
9-19-12	1505		∅	T∅. - FERC INSP.	DAT/BK/KA/AL

SCE OD 67-B REV 10/85 (CW)

415 CORRAL CR. DIVERSION

Southern California Edison Company 2013 WY

HYDRO DIVISION LOG SHEET

SHEET NO. 06965

DATE	TIME	GHT	DIVERTED FLOW	NOTES	VISIT BY
10-1-12	0820	14.01	ϕ	TURNED OUT. 1 CFS PLATE ON-	DAT
11-1-12	0745	13.96	ϕ	TURNED OUT. 1 CFS PLATE ON.	DAT
12-3-12	1035	13.43	ϕ	TURNED OUT. 1 CFS PLATE ON	DAT
12-3-12	1040	13.43	ϕ	Turned out	JLM
12-4-12	1150	13.43	ϕ	TURNED OUT: USGS INSP.	DAT/ORS/LHS
12-5-12	1220	13.42	ϕ	TURNED OUT	ST
12-10-12	1102	13.42	ϕ	TURNED OUT	ST
12-12-12	0928	13.42	ϕ	TURNED OUT	ST
12-17-12	1119	13.41	ϕ	TURNED OUT	ST
12-19-12	0938	13.40	ϕ	TURNED OUT	ST
12-26-12	11000	13.40	ϕ	Turned out	JLM
12-31-12	10:37	13.40	ϕ	TURNED OUT	SRH
1-2-13	1003	13.39	ϕ	TURNED OUT	ST
1-2-13	1445	13.40	ϕ	TURNED OUT	JRS
1-7-13	1045	13.39	ϕ	TURNED OUT	ST
1-10-13	0929	13.40	ϕ	TURNED OUT	ST
1-14-13	1051	13.38	ϕ	TURNED OUT	ST
1-16-13	1005	13.38	ϕ	TURNED OUT	ST
1-23-13	0953	13.38	ϕ	TURNED OUT	ST
1-28-13	1030	13.38	ϕ	TURNED OUT	ST
1-30-13	0951	13.38	ϕ	TURNED OUT	ST
2-4-13	1044	13.38	ϕ	TURNED OUT	ST
2-6-13	0823	13.38	ϕ	TURNED OUT	ST
2-7-13	1150	13.38	ϕ	TURNED OUT. 1 CFS PLATE ON	DAT
2-11-13	1117	13.36	ϕ	TURNED OUT	ST
2-13-13	1440	13.36	ϕ	TURNED OUT	ST
2-19-13	1445	13.36	ϕ	TURNED OUT	ST
2-21-13	0923	13.36	ϕ	TURNED OUT	ST
2-25-13	1045	13.36	ϕ	TURNED OUT	ST
3-4-13	1015	13.36	ϕ	TURNED OUT	ST
3-6-13	0830	13.36	ϕ	TURNED OUT	ST
3-7-13	0710	13.36	ϕ	TURNED OUT, 1 CFS PLATE ON	JRS
3-11-13	1119	13.34	ϕ	TURNED OUT	ST
3-13-13	1034	13.34	ϕ	TURNED OUT	ST
3-13-13	1400	13.34	ϕ	TURNED IN	TV
3-14-13	1038	13.38	ϕ	TURNED IN/HERE TO RAKE GRIDS	ST
3/18/13	1121	13.46	ϕ	TURNED IN / RAKE GRIDS	ST

415 CORRAL CREEK DIVERSION

Southern California Edison Company 11186750 2013 WY

HYDRO DIVISION LOG SHEET

SHEET NO. 06966

DATE	TIME	GHT DATE	DIVERTED FLOW	NOTES	VIS BY
3-20-13	1045	13.45	Ø	ROUTINES / RAKE GRIDS	ST
3-25-13	1038	13.44	Ø	ROUTINES / RAKE GRIDS	ST
3-31-13	1245	13.49	Ø	INSPECTION	VIGTH
4-1-13	0900	13.45	Ø	TURNED IN. 1CFS PLATE ON. ALL WATER RELEASE OUT PIPE	D.T
4-7-13	1200	13.50	Ø	INSPECTION	VIGTH
4-8-13	1038	13.46	Ø	ROUTINES	ST
4-10-13	1517	13.50	Ø	ROUTINES	ST
4-22-13	1036	13.71	Ø	ROUTINES	ST
4-29-13	1106	13.62	Ø	ROUTINES	ST
5-1-13	1245	13.67	Ø	TURNED IN. ALL WATER OUT ORIFICE	D.T
5-13-13	1130	13.45	Ø	ROUTINES	ST
5-28-13	0815	13.62	Ø	TURNED IN. ALL WATER OUT ORIFICE	D.T
5-29-13	1579	13.62	Ø	Turned out Per Anzaldo & Tito	JLT
6-3-13	1245	13.67	Ø	Turned out / Routines	JLT
6-6-13	1540	1540	Ø	TURNED OUT. ALL H2O IN CREEK	DAT/J
6-10-13	1100	13.67	Ø	TURNED OUT	SRH
6-26-13	1100	13.66	Ø	Routines / Turned out	JLT
7-1-13	1345	13.66	Ø	Routines	JLT
7-1-13	1539	13.67	Ø	TURNED OUT. CLEAR	JRS
7-8-13	10.05	13.68	Ø	TURNED OUT / ROUTINES	SRH
7-9-13	1145	13.68	Ø	Monthly Routine	JLT
7/15/13	1050	13.70	Ø	WEEKLY ROUTINES / TURNED OUT	SRH
7-22-13	1700	13.72	Ø	Routine	JLT
7-29-13	1700	13.48	Ø	Routines	JLT
8-7-13	1415	13.52	Ø	TURNED OUT.	DAT/JR
8-12-13	1600	13.54	Ø	Routines	JLT
8-14-13	1635	13.56	Ø	Routine	JLT
8-19-13	1700	13.58	Ø	Routine	JLT
8-27-13	1519	13.45	Ø	CLEAR, TURNED OUT	DAT/JR
8-28-13	1695	13.45	Ø	Routines	JLT
9-11-13	1310	13.42	Ø	TØ - RUNNING USGS REQ LEVELS	JRS/D
9-11-13	1333	13.42	Ø	PERMISSION WALKDOWN	VIGTH

SCE OD 67-B REV 10/85 (CW)

415 CORRAL CR. DIVERSION

Southern California Edison Company 2013 WY

HYDRO DIVISION LOG SHEET

SHEET NO. 06965

DATE	TIME	GHT	DIVERTED FLOW	NOTES	VISIT BY
10-1-12	0820	14.01	∅	TURNED OUT. 1 CFS PLATE ON.	DAT
11-1-12	0745	13.96	∅	TURNED OUT. 1 CFS PLATE ON.	DAT
12-3-12	1035	13.43	∅	TURNED OUT. 1 CFS PLATE ON	DAT
12-3-12	1040	13.43	∅	Turned out	JLA
12-4-12	1150	13.43	∅	TURNED OUT. USGS INSP.	DAT/ORS/CHS
12-5-12	1220	13.42	∅	TURNED OUT	ST
12-10-12	1102	13.42	∅	TURNED OUT	ST
12-12-12	0928	13.42	∅	TURNED OUT	ST
12-17-12	1119	13.41	∅	TURNED OUT	ST
12-19-12	0938	13.40	∅	TURNED OUT	ST
12-26-12	11600	13.40	∅	Turned out	JLA
12-31-12	10:37	13.40	∅	TURNED OUT	SRH
1-2-13	1003	13.39	∅	TURNED OUT	ST
1-2-13	1445	13.40	∅	TURNED OUT	JRS
1-7-13	1045	13.39	∅	TURNED OUT	ST
1-10-13	0929	13.40	∅	TURNED OUT	ST
1-14-13	1051	13.38	∅	TURNED OUT	ST
1-16-13	1005	13.38	∅	TURNED OUT	ST
1-23-13	0953	13.38	∅	TURNED OUT	ST
1-28-13	1030	13.38	∅	TURNED OUT	ST
1-30-13	0951	13.38	∅	TURNED OUT	ST
2-4-13	1044	13.38	∅	TURNED OUT	ST
2-6-13	0823	13.38	∅	TURNED OUT	ST
2-7-13	1150	13.38	∅	TURNED OUT. 1 CFS PLATE ON	DAT
2-11-13	1117	13.36	∅	TURNED OUT	ST
2-13-13	1440	13.36	∅	TURNED OUT	ST
2-19-13	1445	13.36	∅	TURNED OUT	ST
2-21-13	0923	13.36	∅	TURNED OUT	ST
2-25-13	1045	13.36	∅	TURNED OUT	ST
3-4-13	1015	13.36	∅	TURNED OUT	ST
3-6-13	0830	13.36	∅	TURNED OUT	ST
3-7-13	0910	13.36	∅	TURNED OUT, 1 CFS PLATE ON	JRS
3-11-13	1119	13.34	∅	TURNED OUT	ST
3-13-13	1034	13.34	∅	TURNED OUT	ST
3-13-13	1400	13.34	∅	TURNS IN	TV
3-14-13	1038	13.38	∅	TURNED IN/HERE TO RAKE GRIDS	ST
3/18/13	1121	13.46	∅	TURNED IN/RAKE GRIDS	ST

SCE OD 67-B REV 10/85 (CW)

415 · CORRAL CREEK DIVERSION

Southern California Edison Company 11186750 2013 WY

HYDRO DIVISION LOG SHEET

SHEET NO. 06966

DATE	TIME	GHT DATE	DIVERTED FLOW	NOTES	VIS BY
3-20-13	1045	13.45	Ø	ROUTINES / RAKE GRIDS	ST
3-26-13	1038	13.44	Ø	ROUTINES / RAKE GRIDS	ST
3-31-13	1245	13.49	Ø	INSPECTION	VIGTH
4-1-13	0900	13.45	Ø	TURNED IN. 1CFS PLATE ON. ALL WATER OUT RELEASE PLATE	D T
4-7-13	1200	13.50	Ø	INSPECTION	VIGTH
4-8-13	1038	13.46	Ø	ROUTINES	ST
4-10-13	1517	13.50	Ø	ROUTINES	ST
4-22-13	1036	13.71	Ø	ROUTINES	ST
4-29-13	1106	13.67	Ø	ROUTINES	ST
5-1-13	1245	13.67	Ø	TURNED IN. ALL WATER OUT ORIFICE	D.T.
5-13-13	1130	13.45	Ø	ROUTINES	ST
5-28-13	0815	13.62	Ø	TURNED IN. ALL WATER OUT ORIFICE	D.T.
5-29-13	1519	13.62	Ø	Turned out per Anzaldo / Tito	JLT
6-3-13	1245	13.67	Ø	Turned out / Routines	JLT
6-6-13	1540	1540	Ø	TURNED OUT. ALL H_2O IN CREEK	DAT/S
6-10-13	1100	13.67	Ø	TURNED OUT	SRH
6-26-13	1100	13.66	Ø	Routines / Turned out	JLT
7-1-13	1345	13.66	Ø	Routines	JLT
7-1-13	1539	13.67	Ø	TURNED OUT. CLEAR	JRS
7-8-13	10.05	13.68	Ø	TURNED OUT / ROUTINES	SRH
7-9-13	1145	13.68	Ø	Monthly Readings	JLT
7/15/13	1050	13.70	Ø	WEEKLY ROUTINES / TURNED OUT	SRH
7-22-13	1700	13.72	Ø	Readings	JLT
7-29-13	1700	13.48	Ø	Routines	JLT
8-7-13	1415	13.52	Ø	TURNED OUT.	DAT/JR
8-12-13	1600	13.54	Ø	Routines	JLT
8-14-13	1635	13.56	Ø	Routine	JLT
8-19-13	1700	13.58	Ø	Routines	JLT
8-27-13	1519	13.45	Ø	CLEAR, TURNED OUT	DAT/JR
8-28-13	1645	13.45	Ø	Routines	JLT
9-11-13	1310	13.42	Ø	TO - RUNNING USGS REQ LEVELS	JRS/D
9-11-13	1333	13.42	Ø	PERMISSION WALKDOWN	VIGTH

SCE OD 67-B REV 10/85 (CW)

415 CORAL CR DIVERSION 11186750 2014 W4

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06967

DATE	TIME	GHT	DIVERTED FLOW	NOTES	VISIT BY
10-1-13	0710	13.37	ϕ	TΦ TUNNEL CONSTRUCTION	D. TITO
11-5-13	1445	13.34	ϕ	" " "	TITO / SHERM
12-2-13	1315	13.34	ϕ	" " "	TITO / SHERM
12-30-13	0940	13.32	ϕ	" " "	SHERMAN
1-8-14	1455	13.32	ϕ	NO WATER IN PIPE	SHERMAN
2-4-14	1558	13.44	ϕ	NO FLOW IN PIPE. DIV VALVE CLOSED	SHERMAN
2-10-14	1140	13.44	ϕ	Turned out, Div valve closed	Sexton
2-18-14	1100	13.42	ϕ	Turned out Routines	T. Hughes
3-3-14	1010	13.42	ϕ	TURNED OUT.	D. TITO
3-5-14	1230	13.42	ϕ	Routines	TLH
3-7-14	1700	13.43	ϕ	Routines	JCM
3-27-14	1000	13.42	ϕ	Routines	JWA
3-31-14	1620	13.43	ϕ	Routines	CWJ
4	~~1620~~				
4-2-14	1115	13.42	ϕ	Routines	HUG
4-3-14	1310	13.42	ϕ	TURNED OUT.	DAT
4-10-14	1330	13.44	ϕ	Routins	JWA
4-21-14	1144	13.44	ϕ	Routines	CWJ
4-23-14	0750	13.43	ϕ	TΦ. USGS INSP	SH/EH/DAT/SS
4-23-14	1630	13.44	ϕ	TΦ - Routines	HUG
4-27-14	1215	13.44	ϕ	Routines	JCM
5-5-14	1251	13.44	ϕ	NO FLOW IN PIPE. SOME ROCKS IN POND OUTLET	JRS
5-13-14	1140	13.44	ϕ	CLEAR ROCKS ROUTINES	SRM.
5-19-14	1040	13.44	ϕ	TΦ Routines	SRM.
5-27-14	1545	13.44	ϕ	Routines	JCM
5-28-14	1040	13.44	ϕ	TΦ.	DAT
6-9-14		13.44	ϕ	Routines	TB
6-16-14	1630	13.44	ϕ	Routnenes	C. Roberts
6-23-14	~~14:50~~	13.44	ϕ	Routines	TB
6-25-14	0850	13.44	ϕ	PIPE EMPTY	JRS
6-30-14	1650	13.46	ϕ	Routins.	JCM
7-7-14	~~15:40~~	13.45	ϕ	Routines	TB
7-14	15:00	13.45	ϕ	Routines	JB
7-17-14	13:40	13.44	ϕ	CANAL TURNED OUT	JRS
7-28-14	1640	13.44	ϕ	Routines	DAT
8-4-14	15:30	13.44	ϕ	Routines	TB
8-12-14	1120	13.44	ϕ	PERMISSION WALK-DOWN	JV

SCE OD 67-B REV 10/85 (CW)

415 CORAL CR DIVERSION 11186750 2014 WY

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06968

DATE	TIME	GMT ~~DATE~~	DIVERTED FLOW	NOTES	VISIT BY
8-12-14	1600	13.44	0	Routines	JCA
8-19-14	1610	13.44	0	Routines	J.B
8-21-14	1155	13.44	0	TO. VERY LOW FLOW IN CREEK	DAT
8-25-14	16:10	13.44	0	Routines	TB
9-2-14	1055	13.44	0	TURNED OUT	JRS
9-2-14	15:07	13.44	0	Routines	T.B.
9-9-14	16:15	13.44	0	Routines	T.B.
9-15-14	16:50	13.44	0	Routines	JCA
9-23-14	15:40	13.44	0	Routines	T.B
9-29-14	7:55	13.43	0	TURNED OUT USGS INSPECTION	JRS
10-1-14	8:56	13.43	0	TURNED OUT HERE TO COLLECT END OF WATER YEAR DATA & LOG SHEETS	JRS

SCE OD 67-B REV 10/85 (CW)

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415 CORRAL CR DIVERSION

Southern California Edison Company 11186750

HYDRO DIVISION LOG SHEET

SHEET NO. 06972

DATE	TIME	GHT DATE	DIVERTED FLOW	NOTES	VISIT BY
10-5-15	1110	14.61	ø	RECENT RAIN. VALVE OPEN	JRS
10-9-15	1215	14.60	ø	Routines	JCA
10-21-15	1020	14.58	ø	Routines	DTE
10-27-15	1330	14.57	ø	Routines	CR
11-3-15	10:00	14.56	ø	Routines	CR
11-2-15	1115	14.56	ø	TØ	DAT
11-10-15	1225	14.54	ø	Routines	DTE
11-16-15	1550	14.54	ø	Routines	T.B
11-23-15	1145	14.42	ø	Routines	D.T.E
12-2-15	1300	14.31	ø	CLEAR. VALVE OPEN	JRS
12-7-15	14:00	14.27	ø	Routines	TB
12-20-15	1100	14.24	ø	Routine	JCA
1-5-16	0840	13.92	ø	TØ	DAT
1-6-16	1100	13.41	ø	Routines	JCA
1-13-16	1330	13.40	ø	Routines	JCA
1-21-16	1600	13.40	0	Routines	CR
1-25-16	1106	13.39	ø	Routines	TB
2-2-16	1315	13.38	ø	Turned In to SERVICE	JCA
2-2-16	1435	15.44	1.69	Away to KR-3 intake	JCA
2-3-16	0945	15.38	1.14	TURNED IN & DIVIRTING	DAT
2-3-16	1125	15.37	1.06	Routines	JCA
2-8-16	1115	15.43	1.59	Routines	JCA
2-10-16	1310	15.39	1.22	Routines	JCA
2-16-16	1145	15.35	.910	Routines	JCA
2-16-16	1310	15.34	0.83	BATT CHECK	DAT
2-18-16	1100	15.48	2.08	Routines	JCA
2-22-16	1315	15.33	.747	Monthly / weekly inspection	JCA
2-25-16	1145	1531	.593	Routines	JCA
2-29-16	1230	1532	.669	Routines	JCA
2-29-16	1500	15.32	.669	CLEARED BRANCHES AND CLEANED OUT MUD	JRS / DAT
3-7-16	1216	15.48	2.08	Routines	JCA
3-10-16	10:00	15.44	1.69	TURNED IN 0.0% GH @ POND	JRS
3-10-16	1315	15.42	1.49	Routines	JCA
3-14-16	1200	15.50	2.28	Routines	JCA
3-16-16	9:37	15.49	2.28	Routines	T.B
3-21-16	1150	15.49	2.08	Routines	JCA
3-21-16	1217	15.47	1.98	Monthly Flowline Patrol	D.T.E.
3-29-16	1400	15.44	1.49	Routines	JCA

SCE OD 67-B REV 10/85 (CW)

415 CONRAL CREEK DIVERSION

Southern California Edison Company 11186750

HYDRO DIVISION LOG SHEET

SHEET NO. 06973

DATE	TIME	GAGE DATE	DIVERTED FLOW	NOTES	VISIT BY
3-30-16	0903	15.40	1.30	Routines	DTE
4-4-16	1300	15.39	1.22	Routines	DAT
4-4-16	1515	15.38	1.14	CHECK	DAT
4-7-16	1300	15.43	1.59	Turned out per (Vicette)	JRS
5-2-16	1030	15.08	0	Routines / monthly	DAT
5-4-16	1558	15.08	0	USGS INSPECTION	JRS
5-11-16	1550	15.07	ϕ	COPY CEG FILE FOR CAGE REBUILD	DAT
5-12-16	1115	15.07	ϕ	TO CHECKING DL FILES.	DAT
5-26-16	1048	15.05	ϕ	Routines	TB
5-31-16	1150	15.03	ϕ	Routines	DAT
6-2-16	1400	15.02	ϕ	weekly Routines	CR
6-6-16	1500	15.01	ϕ	REBUILDING CAGE	JRS
6-25-16	1300	[illegible]	ϕ	Routine	DAT
7-11-16	1400	0	0	Routine	DAT
7-18-16	1410	ϕ	ϕ	TURNED OUT	DAT
7-20-16	1340	ϕ	ϕ	Routines / monthly inspection	DAT/EH
8-9-16	1405	ϕ	ϕ	TURNED OUT. USGS INSP.	DTE
8-15-16	1102	ϕ	ϕ	Routines	DTE
8-22-16	1108	ϕ	ϕ	Routines	JRS
9-6-16	1420	ϕ	ϕ	TURNED OUT. OUTAGE IN PROGRESS	DTE
9-8-16	1110	ϕ	ϕ	Turned Out / Routines	DAT
9-21-16	1100	0	0	Routine	DAT
9-26-16	1430	0	0	Routines / Monthly	

415 CANAL CR DIVERSION

Southern California Edison Company 111867750

HYDRO DIVISION LOG SHEET

DATE	TIME	GHT DATE	DIVERTED FLOW	NOTES SHEET NO. 06974	VIS IT BY
10/3/16	0905	—	ϕ	TURNED OUT, 1 CFS PLATE ON.	DAT
10/10/16	1085	—	ϕ	T∅. HOME TO PAINT GAGE	DAT
10/17/16	1545	—	ϕ	TURNED IN. 1 CFS PLATE ON.	JRS
10-31-16	1150	13,91	0	Routines	JUA
10-31-16	1610	13.86	0	Put 1/2 CFS Plate on per Tito	JUA
11-3-16	1145	13.74	0	Routines	JUA
11-7-16	0957	13.73	ϕ	Routines	T.B
11-9-16	1150	13.73	ϕ	1/2 CFS PLATE ON. ZERO DIVERSION.	DAT.
11-16-16	1110	15.46	ϕ	1/2 CFS PLATE ON. USGS INSP.	DAT
11-16-16	1551	15.47	ϕ	Routines	CR
11-21-16	1215	15.46	ϕ	weekly - monthly routines	T.B
11-28-16	1430	15.47	ϕ	TURNED IN ZERO DIVERSION	JRS
12-29-16	1206	15.46	ϕ	weekly routines	T.B
12-1-16	1257	15.46	ϕ	Routines	DTE
12-5-16	1045	15.46	ϕ	TURNED IN ZERO DIVERSION	JRS
12-5-16	1235	15.46	ϕ	Routine	JUA
12-8-16	1406	15.46	ϕ	Routines	DTE
12-12-16	1400	15.46	ϕ	Routines	JUA
12-14-16	1637	15.46	ϕ	Routined	T.B
12-19-16	1400	15.59	0,583	Routines	JUA
12-21-16	1300	15.53	0.260	Routins	JUA
1-3-17	1145	15.57	0.461	Routines	JUA
1-5-17	1145	17.20	10.7	Routines	JUA
1-9-17	1315	15.47	0	Routines	JUA
1-19-17	1200	15.47	0	Routines / Flush Pond	JUA
1-30-17	1000	15.41	0	TURNED OUT	JRS
1-31-17	1400	15.44	0	PUT 1 CFS PLATE ON. TURNED OUT	JRS
2-6-17	1100	15.67	0	Routing	JUA
2-14-17	1445	15.60	0.65	TURNED OUT	JRS
2-15-17	1130	15.60	0.65	Routines	CR
2-16-17	0800	15.60	0.65	TURN IN TO LOWER POND FOR SAND FLUSH	DAT
2-16-17	1520	19.05	11.3	SAND FLUSH UNSUCCESSFUL, TURNING OUT	JRS
2-23-17	1021	15.64	0.979	weekly routines	TB
2-28-17	1530	15.47	ϕ	CLEARED DRAIN VALVES & FLUSHED POND	JRS/CR/TB
3-1-17	1422	15.46	ϕ	weekly routines	TB
3-6-17	0910	15.47	ϕ	TURNED OUT	DAT
3-7-17	1430	15.48	ϕ	CLEARED DRAIN VALVES & FLUSHED POND	JRS/DAT

SCE OD 67-B REV 10/85 (CW)

415 COMAL CR. DIVERSION.

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06975

DATE	TIME	GAUGE DATE	DIVERTED FLOW	NOTES	VISIT BY
3-9-17	0940	16.11	6.43	TURNED IN PER OPS.	JRS
3-13-17	1050	19.12	no chart	Routines	JLA
3-13-17	1205	19.10	11.4	OPENING DRAIN GATE TO PASS SAND	DAT
3-13-17	1220	15.72	1.7	DRAIN OPEN. DIV. TURNED - ok.	DAT
3-13-17	1500	17.30	10.8	DRAIN GATE CLOSED. TURNED IN	JRS
3-16-17	1300	19.23	11.3	FLUSHED POND	JRS
3-22-17	1018	19.31	11.3	Routines	TB
3-27-17	1130	19.04	11.3	Routines	JLA
~~3-29-17~~	~~1000~~				
3-29-17	1000	18.97	11.3	Routines	TB
3-30-17	1500	15.76	2.07	FLUSHING POND.	JRS
3-30-17	1515	16.53	8.47	POND DRAIN CLOSED	JRS
4-3-17	0947	18.92	11.3	Routines	TB
4-4-17	1610	18.81	11.3	FLUSHED POND	JRS
4-10-17	1443	18.91	11.3	Routines	TB
4-13-17	1100	15.47	0	OPENED DRAIN GATE TO FLUSH POND	JRS
4-11-17	1526	17.80	11.2	CLOSED DRAIN GATE, TURNED IN	JRS
4-17-17	1145	18.80	11.3	Routines	JLA
4-21-17	1050	18.52	11.3	Routines	JLA
4-26-17	1600	13.94	11.3	FLUSHED BOTH WELLS. COM VERY SLOW	JRS
4-26-17	1450	18.94	11.3	FLUSHED COM LINE. ALL CLEAR	JRS
5-1-17	1545	15.94	4.14	Routines	TB
5-2-17	1555	17.02	10.3	FLUSHED POND. POND NO LONGER SPILLING	JRS
5-8-17	1400	16.13	6.72	Routines	JLA
5-10-17	0918	16.13	6.72	Routines	TB
5-15-17	1030	16.06	5.72	FLUSHED POND. NO SPILL, ORIFICE CLEAR	DAT
5-17-17	1000	16.04	5.45	Routines	JLA
5-30-17	1350	~~15.76~~ 15.76	2.07	Routines	TB.
6-1-17	1300	15.76	2.07	Routines	JLA
6-5-17	1345	15.66	1.13	Routines	JLA
6-7-17	0945	15.66	1.13	Routines	TB
6-12-17	1550	15.62	.815	Routines	TB
6-20-17	0955	15.54	0.306	DATA. VERY HOT	JR
6-20-17	1200	15.54	0.306	Routines / Monthly	JLA
6-27-17	1315	15.47	ø	USGS INSP. TURNED OUT	DAT
7-6-17	1510	15.44	ø	INSTALLED 1/2 CFS PLATE, TURNED IN, TURNED OUT (NOT ENOUGH H2O)	JRS
7-10-17	1506	15.43	ø	Routines diversion turned out	TB

SCE OD 67-B REV 10/85 (CW)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06976

DATE	TIME	GHT ~~DATE~~	DIVERTED FLOW	NOTES	VISIT BY
7-24-17	0852	15.40	0	FLOW CHECK	SHERMAN
8-8-17	1355	15.36	0	TURNED OUT	SHERMAN
8-31-17		1200	0	Routines/monthly	Roberts
8-28-17	1050	15.32	0	Routines	OUT
9-9-17	1005	15.29	0	DATA	JRS
10-3-17	1525	15.28	0	DATA	JRS
10-9-17	1527	16.30	0	Routines	JRS

415/416 CORRAL CREEK
DIVERSION 11186750

Southern California Edison Company
HYDRO DIVISION LOG SHEET

SHEET NO. 06977

DATE	TIME	GHT	DIVERTED FLOW	NOTES	VISIT BY
10-3-17	1525	15.28	0	DATA	JRS
10-9-17	1527	15.30	0	Routines	JH
10-19-17	1445	15.26	0	COLLECTING LOG SHEETS	JRS
10-24-17	1355	15.26	0	monthly routines	TB
11-7-17	1110	15.24	Ø	TURNED OUT	DAT
11-21-17	1314	15.20	Ø	Routines	TB
12-11-17	1252	15.20	0	TURNED OUT	JRS
1-8-18	1235	15.16	Ø	TURNED OUT. RAIN	DAT
1-22-18	1330	15.16	0	Routines	[illegible]
2-8-18	1350	15.13	Ø	TURNED OUT, PUT .1 CFS PLATE ON	JRS
3-5-18	1030	15.12	0	TURNED IN	JRS
3-17-18	1130	15.54	0.304	Routines/monthly	[illegible]
3-26-18	0830	15.75	1.97	GRIDS PLUGGED, RAKED GRIDS	JRS
3-26-18	1148	15.74	1.88	Routines	[illegible]
4-2-18	1050	15.64	1.13	Routines	[illegible]
4-2-18	1255	15.66	1.13	GRIDS CLEAN.	DAT
4-9-18	1100	15.47	0	TURNED OUT PER OPERATIONS	JRS
4-26-18	1300	15.46	0	Routines/monthly	[illegible]
5-7-18	1412	15.45	Ø	Routines	T. Brown
5-8-18	1000	15.45	Ø	TURNED OUT	JRS
6-21-18	1530	15.46	Ø	TURNED OUT LOW WATER	JRS
6-26-18	1457	15.46	Ø	Turned Out. Low Water	LW
7-2-18	1321	15.46	Ø	Turned Out. Low Water	LW
7-3-18	1125	15.46	Ø	RR, TURNED OUT, 1/2 cfs PLATE ON	JRS
7-16-18	1003	15.46	Ø	Turned, low water	LW
8-1-18	945	15.46	Ø	Turned out.	JRS
8-6-18	1220	15.46	Ø	TURNED OUT. RAN LEVELS @ 415	DAT
9-12-18	1300	15.44	Ø	TURNED OUT, USGS INSP. DAT/JRS/[illegible]	
9-26-18	1300	15.44	Ø	Monthly/weekly	[illegible]
10-2-18	1320	15.41	Ø	TURNED OUT	JRS
10-30-18	1300	15.38	0	Monthly/weekly inspection	[illegible]
11-7-18	1235	15.37	Ø	RR, TURNED OUT	JRS

415 CORRAL CREEK 11186750

Southern California Edison Company DIVERSION

HYDRO DIVISION LOG SHEET

2019 WY

SHEET NO. 06978

DATE	TIME	GHT RATE	DIVERTED FLOW	NOTES	VISIT BY
10-2-18	1320	15.41	0	TURNED OUT	JRS
10-30-18	1300	15.38	0	MONTHLY/ WEEKLY & INSPECTION	JLH
11-7-18	1235	15.37	0	RR, TURNED OUT	JRS
11-28-18	1153	15.34	0	Monthly Routines, Turned Out	L. Watts
12-27-18	1400	15.32	0	Monthly	JLH
12-27-18	1015	15.47	0	RR, TURNED IN	JRS
1-7-19	1330	1580	0.145	Routines	JLH
1-14-19	0750	15.51	0.156	RR, RAIN COMING	JRS
1-29-19	1540	14.55	0	RR, PUT ON 1 CFS PLATE	JRS
1-31-19	1030	15.57	0	Routines	TB
2-12-19	1100	15.76	2.07	Routines	JLH
2-20-19	1405	15.82	2.72	Turn in	LW
2-20-19	1525	15.83	2.84	RR, LOOKS GOOD, RAIN & SNOW COMING	JRS
2-27-19	1422	15.84	2.95	WKly Routines	LW
3-4-19	1135	15.47	ϕ	TURNED OUT.	DAT
3-4-19	1240	15.47	ϕ	Routines, Turned Out	LW
3-12-19	10:30	16.14	6.76	ROUTINES, TURNED IN	MC
3-13-19	10:30	15.48	0	Flushed Pond gate still open to control	JLH
3-14-19	1500	16.06	5.72	TURNED IN AFTER FLUSH	DA
3-18-19	1650	16.08	6.00	FLUSHED & VENTED	JRS
3-19-19	1530	16.96	8.16	BIG POND FLUSH POND @ 0.35	JRS
3-25-19	1300	16.06	5.72	WRAP PIPE & WELD ON VENT TO POND.	DAT
3-26-19	0905	16.08	6.00	TURNED IN. WRAP HOLDING WELL	JRS
3-26-19	1100	16.08	6.00	Routines / Monthly	JLH
4-1-19	1330	16.21	7.07	Routines	JLH
4-8-19	1030	18.92	11.3	DAM SPILLING, PIPE FULL	JRS
4-9-19	1600	19.14	11.3	Routines	JLH
4-11-19	0955	18.9	11.3	FLOW CHECK	DAT
4-11-19	1230	18.99	11.3	FLUSHED POND	JRS
4-16-19	1511	19.00	11.3	Cleaned Grids, wkly routine	LW
4-22-19	1020	19.12	11.3	WKly routine, cleaned grids	LW
4-29-19	1000	15.45	ϕ	FOUND GRIDS 100% CLOGGED. POND FULL SAND	DAT
4-29-19	1015	17.34	10.9	FLUSHING POND. GRIDS CLEAN.	DAT
4-30-19	1019	19.13	11.3	WKly routines	LW
5-3-19	0900	18.99	11.3	Rounds	MC
5/6/19	1400	18.98	11.3	Rounds	RA
5-7-19	1528	16.52	8.43	Routines	TB

SCE OD 67-B REV 10/85 (CW)

416 CORRAL CREEK INB6750

Southern California Edison Company 2019 WY

HYDRO DIVISION LOG SHEET

SHEET NO. 06979

DATE	TIME	GHT	DIVERTED FLOW	NOTES	VIS BY
5-8-19	11:20	15.46	–	FLUSHING POND	JR
6-8-19	11:10	17.26	10.8	BACK IN SERVICE	JRS
5-13-19	1140	17.54	11.1	Routines, take grids	LW
5-15-19	1400	16.26	7.11	Monthly inspection	DAT
5-20-19	1309	16.58	8.69	Routines	TB
5-28-19	1155	16.72	9.30	DATA	JRS
5-29-19	1290	16.69	9.13	Routines	DAT
6-3-19	1120	17.44	10.0	INST. ANM PROTECTION BOX.	DAT
6-4-19	1500	16.61	8.82	Routine	DAT
6-10-19	1400	16.02	5.18	Routines	LW
6-15-19	1500	15.80	2.49	LOOKING AROUND	DAT
6-17-19	1515	15.78	2.28	USGS INSP.	DAT
6-20-19	1135	15.75	1.97	FLUSHED POND	JRS
7-1-19	1550	15.54	.979	Routines / take grids	LW
7-8-19	1528	15.47	0.0	Routines	LW
7-11-19	1340	15.47	0.0	FLUSHED POND	JRS
7-17-19	1003	15.46	0.0	Turned out, low water, routines	LW
8-1-19	0915	15.46	0.0	DATA	JRS
8-15-19	1520	15.46	0.0	INSTALLED 1/2 cfs PLATE	JRS
9-3-19	1340	15.46	ϕ	TURNED OUT. REMOVED WASPS.	DAT
9-17-19	1300	15.45	ϕ	TURNED OUT. USGS INSP.	DAT
9-30-19	1320	13.54	ϕ	TO. DEMO OLD SOLAR SYSTEM	DAT

415 COMAL CR DIV. 11106150

Southern California Edison Company

HYDRO DIVISION LOG SHEET

2020 WY.

DATE	TIME	GAT DATE	DIVERTED FLOW	AVM	NOTES SHEET NO. 06980	VISIT BY
10-1-19	1455	13.54	ϕ		TURNED OUT	D.TITO
11-12-19	1045	15.42	ϕ		TURNED OUT	JRS
12-3-19	1135	13.47	ϕ		TURNED OUT	D.TITO
12-30-19	1205	13.47	ϕ		TURNED OUT	D.TITO
1-6-20	1555	13.47	ϕ		TURNED OUT. INSTALLED AVM TRANS.	D.TITO
1-7-20	1320	15.66	0.25		TURNED IN. WORKED ON AVM INSTALL	JRS
1-8-20	1400	15.56	0.26		AVM WORKING. MORE INSTALL WORK	JRS
1-13-20	1450	15.55	0.36	0.17	AVM INSTALLED	JRS
1-21-20	1045	15.57	0.46	0.26	CLEAR	JRS
1-23-20	1023	15.56	0.25		Routines	LW
1-27-20	1245	15.47	ϕ	0.0	PUT 1 CFS PLATE ON, TURNED OUT	JRS
2-10-20	12:06	15.45	ϕ	0.0	TURNED OUT	JRS
3-9-20	1220	15.43	ϕ	ϕ	TURNED OUT. WASPS!	DAT
3-18-20	1630	15.43	0		Turned IW Per Anzaldo	DM
3-19-20	1100	15.52	0.2600		monthly routines	MA
3-23-20	1144	15.75	1.97	1.96	INSPECTION	RA
4-9-20	1101	15.95	4.26		Routines	LW
4-9-20	1125	15.93	4.0	3.80	TURNED IN. ORIFICE CLEAR	DAT
4-13-20	1120	17.49	11.0		Routines	LW
4-20-20	1044	17.47	11.0	AVM	Routines	LW
4-22-20	1115	16.14	—	4.60	CHECK. USE AVM READ FOR FLOW	DAT
4-27-20	1156	16.22	[illegible]	7.11	Routines	LW
4-27-20	1600	16.21	7.07	5.26	FLUSHED POND	JRS
4-28-20	1100	16.23	7.16	4.52	USE AVM.	DAT
5-4-20	1030	15.79	2.38	2.44	USE AVM. FLUSHED POND.	DAT
5-11-20	1127	15.67	1.21		Routines	LW
5-12-20	1240	15.65	—	0.60	USE AVM.	DAT
5-18-20	1107	15.61	.73		Routine	LW
5-26-20	1020	15.49	ϕ	ϕ	TURNED OUT & DRAIN PIPE	DAT
6-3-20	1100	13.65	0	0	RR	JRS
6-10-20	1155	13.64	ϕ	ϕ	TURNED OUT. USGS HSP	DAT
7-7-20	0910	13.51	ϕ	ϕ	TURNED OUT.	DAT
7-7-20	1110	13.51	ϕ	ϕ	Turned out / Routines	TT
8-3-20	1520	13.49	ϕ	ϕ	TURNED OUT.	DAT
8-20-20	1245	13.48	0	0	INSTALLED ½ CFS PLATE, TURNED IN	JRS
9-3-20	1300	13.48	0	0	RR TURNED OUT (NOT BY ME)	JRS
9-14-20	1115	13.47	ϕ	ϕ	Routines	TT

SCE OD 67-B REV 10/85 (CW)

415/416 CORRAL CK DIVERSION
11186750

Southern California Edison Company

HYDRO DIVISION LOG SHEET

DATE	TIME	GAGE ~~GAGE~~	AVM	DIVERTED FLOW	NOTES ~~SHEET NO.~~ 86981	VISIT BY
9-17-20	0850	13.47	ϕ	ϕ	Tϕ. USGS INSP.	TITO
9-21-20	1030	13.47	ϕ	ϕ	Routine	Fisher

SCE OD 67-B REV 10/83 (CW)

415/416 CORRAL CR DIV.
(11186750)

Southern California Edison Company

HYDRO DIVISION LOG SHEET

SHEET NO. 06982

DATE	TIME	GHT DATE	DIVERTED FLOW	AVM	NOTES	VISIT BY
10-5-20	1020	13.47	ϕ	ϕ	TURNED OUT	TITO
10-7-20	1100	13.47	ϕ	ϕ	"	Fisher
10-26-20	1610	13.47	ϕ	ϕ	"	Fisher
11-2-20	1605	13.47	ϕ	ϕ	DATA	JRS
12-10-20	1500	13.47	ϕ	ϕ	Routines	Fisher
12-15-20	1345	13.47	ϕ	ϕ	DATA, TURNED IN TO TEST	JRS
12-15-20	1530	13.47	ϕ	ϕ	TURNED OUT, NOT ENOUGH H_2O	JRS
12-29-20	1640	13.47	ϕ	ϕ	Routines	Fisher
1-11-21	1605	13.47	ϕ	ϕ	Routines	Fisher
1-19-21	1150	13.47	ϕ	ϕ	TURNED OUT	TITO
1-28-21	1045	13.47	ϕ	ϕ	TURNED OUT, PUT ICFS PLATE ON	JRS
2-8-21	1700	13.47	ϕ	ϕ	Routines	JRS
2-18-21	1530	13.47	ϕ	ϕ	DATA	JRS
3-2-21	1035	13.47	ϕ	ϕ	TURNED OUT. TUNNEL OUTAGE	D TITO
4-6-21	1035	13.47	0	0	Routines	DMA
4-8-21	1010	13.47	0	0	DATA	JRS
5-5-21	1550	13.47	ϕ	ϕ	USGS INSP.	PH
5-11-21	1330	13.47	ϕ	ϕ	INSTALLING TEMP & DO SENSORS	D. TITO
6-9-21	0820	13.47	0	0	DATA	JRS
6-21-21	1000	13.47	0	0	Monthly	MA
7-6-21	1610	13.47	0	0	DATA	JRS
7-21-21	0930	13.47	0	0	INSTALLED 1/2 CFS PLATE	JRS
8-2-21	0900	13.47	ϕ	ϕ	TURNED OUT.	DAT
8-30-21	1100	13.47	0	0	Monthly	JRS
9-2-21	1110	13.47	ϕ	ϕ	TURNED OUT.	DAT
9-29-21	1000	13.47	0	0	Monthly/would walk down permission	JRS

SCE OD 67-B REV 10/85 (CW)

Date	Time	GHT	Flow	AVM	Notes	Visit by
10-13-21	1440	13.47	ϕ	ϕ	TURNED OUT, 1/2 CFS PLATE ON. MIN. BATT 12.2V	D. TITO
10-26-21	1160	13.47	0	0	Weekly / monthly inspection	JA
11-9-21	10.20	13.47	ϕ	ϕ	weekly routies	T. Simmons
11-9-21	1450	13.47	0	0	DATA	JRS
11-15-21	1130	13.48	0	0	weekly routies	T. Simmons
11-18-21	1710	13.47	ϕ	ϕ	USGS INSP.	D. TITO
11-29-21	13 00	13.47	0	0	monthly / weekly inspection	JA
12-1-21	1125	13.48	ϕ	ϕ	TURNED OUT. BATT 13.6 MIN 12.7 1/2 CFS PLATE ON	D. TITO
12-8-21	15:20	13.48	ϕ	ϕ	weekly routies	T. Simmons
12-13-21	0450	13.47	ϕ	ϕ	weekly routies	T. Simmons
12-16-21	1205	13.47	ϕ	ϕ	TESTING AVM. TURNING IN. DW.	D. TITO
12-20-21	1030	15.47	ϕ	ϕ	weekly routies	T. Simmons
12-27-21	1030	16.25	7.25	0	Weekly / monthly	JA
12-31-21	1100	15.65	1.05	0	Weekly Check	JA
1-10-22	1600	15.60	0.653	ϕ	weekly routines	T. Simmons
1-18-22	1104	15.58	0.52	0.1	VERY LOW DIVERSION RATE	D. TITO
1-19-22	0920	15.48	ϕ	ϕ	CHANGED 1/2 CFS TO 1 CFS PLATE	D. TITO
1-19-22	1000	15.48	ϕ	ϕ	TURNED IN. NO FLOW YET.	D. TITO
1-20-22	0907	15.46	ϕ	ϕ	" "	LB
1-27-22	1020	15.44	ϕ	ϕ	TURNED OUT. DRAIN SIPHON. 1 CFS PLATE ON	D. TITO
2-1-22	1330	15.43	ϕ	ϕ	TURNED OUT	JRS
2-8-22	1050	15.43	ϕ	ϕ	weekly routies	T. Simmons
2-17-22	1300	15.43	0	0	Routines	JA
2-22-22	1000	15.41	ϕ	ϕ	weekly routines	T. Simmons
3-1-22	1120	13.69	ϕ	ϕ	TURNED OUT, 1 CFS PLATE OK.	D. TITO
3-1-22	1330	13.69	ϕ	ϕ	weekly / monthly inspection	T. Simmons
3-14-22	1030	13.66	ϕ	ϕ	weekly routines	T. Simmons
3-21-22	1130	13.65	ϕ	ϕ	weekly routines	T. Simmons
3-29-22	1209	13.63	ϕ	ϕ	weekly / monthly inspection	T. Simmons
4-4-22	1220	13.62	0	0	DATA	JRS
4-21-22	1450	13.59	ϕ	ϕ	weekly routines	T. Simmons
4-25-22	1240	13.59	ϕ	ϕ	weekly / monthly inspection	T. Simmons
4-28-22	0835	13.59	ϕ	ϕ	USGS INSP. TO	D. TITO
5-2-22	0944	13.59	ϕ	ϕ	weekly routine	T. Simmons
5-4-22	1110	13.58	ϕ	ϕ	TURNED OUT. 1 CFS PLATE ON	D. TITO

Date	Time	GHT	Flow	AVM	Notes	Visit by
5-11-22	1438	13.58	0	0	weekly routines	T. Simmons
5-19-22	1419	13.58	0	0	weekly routines	T. Simmons
5-31-22	1015	13.57	0	0	weekly routines	T. Simmons
6.6.22	1355	13.57	0	0	TURNED OUT 13.7V	D. TITO
6-22-22	1100	13.57	0	0	weekly / monthly inspection	T. Simmons
7-5-22	0935	13.57	0	0	weekly routines	T. Simmons
7.5.22	1045	13.57	0	0	TO. ICES PLATE 12.4V OK MIN BATT 12.1V	D. TITO
7-11-22	1100	13.57	0	0	weekly routines	T. Simmons
7-18-22	1326	13.57	0	0	weekly routines	T. Simmons
8-24-22	1135	13.67	0	0	DATA	JRS
9-6-22	0910	13.57	0	0	weekly routines	T. Simmons
10-10-22	1035	13.57	0	0	weekly routines	T. Simmons

2023 WY
~~2022 WY~~

415 Corral Creek Diversion 11186750

Date	Time	GHT	Flow	AVM	Notes	Visit by
10-10-22	1036	13.57	0	0	WEEKLY ROUTINES	T. Simmons
10-13-22	0950	13.57	0	0	USGS INSP. ½ CFS PLATE ON DAT	JRS. DAT
11-3-22	1616	13.57	0	0	routines	T. Simmons
11-7-22	1340	13.57	0	0	weekly routines	T. Simmons
11-14-22	1555	13.57	0	0	DATA	JRS
11-21-22	1509	13.57	0	0	weekly / monthly routines	T. Simmons
12-12-22	1049	13.57	0	0	weekly routines	T. Simmons
12-19-22	1156	13.57	0	0	weekly routines	T. Simmons
12-28-22	1010	13.57	0	0	weekly / monthly inspection	T. Simmons
1-12-23	1033	14.85	0	0	weekly / routines	T. Simmons
1-17-23	1602	13.92	0	0	weekly routines	T. Simmons
1-25-23	1300	13.95	0	0	weekly routines	T. Simmons
1-31-23	1512	15.35	0	0	weekly / monthly routines	T. Simmons
2-9-23	1345	13.72	ϕ	ϕ	TURNED OUT. ORIFICE BURNED	D. TITO
2-13-23	1020	13.71	ϕ	ϕ	weekly routine 1 CFS plate is on there	T. Simmons
2-	1300	15.68	1.30		Turned In Per Anzaldo	J. Hughes
2-21-23	0945	15.67	1.21	0.96	weekly routines	T. Simmons
2-23-23	1122	15.70	1.48	0	check diversion	T. Simmons
2-27-23	1057	15.75	1.97	0	weekly / monthly inspection	T. Simmons
3-6-23	1340	15.91	3.76	ϕ	AVM NOT READING.	D. TITO
3-6-23	1600	15.94	4.14	0	weekly Routines	T. Simmons
3-9-23	1500	15.93	4.02		Turned out for Storm	T. Hughes
3-28-23	1515	14.24	ϕ	ϕ	TURNED OUT ISTV	D. TITO
4-3-23	1330	17.43	11.0	11.0	Turned In	DAT
4-11-23	0935	17.57	11.1	ϕ	Turned IN, DRAIN GATE OPEN GATE OPEN SPILLING	JRS/DAT
4-11-23	1045	19.03	11.3	ϕ	WORKING ON AVM.	DAT/JRS
4-12-23	1020	18.02	13.3	13.3	REPAIRED AVM. DRAIN GATE OPEN	DAT/JRS
4-24-23	0849	15.93	4.02	0	weekly / monthly inspection	T. Simmons
4-26-23	0902	16.55	8.56	ϕ	Diversion cutback	T. A
5-2-23	1009	ϕ	ϕ	ϕ	Turned out Diary with CA	
5-8-23	1100	0	0		Routines	
5-3-23	0905	14.01	ϕ	ϕ	TURNED OUT.	DAT
5-11-23	1140	—	—	9.14	TURNED IN. DRAIN GATE 100% OPEN DEPLOY TEMP PROBES	DAT
5-18-23	1420	13.76	0	12.94	weekly Routines	T. Simmons
5-22-23	1412	13.77		0	weekly Routines	T. Simmons

APPENDIX B
FLOW DURATION CURVES

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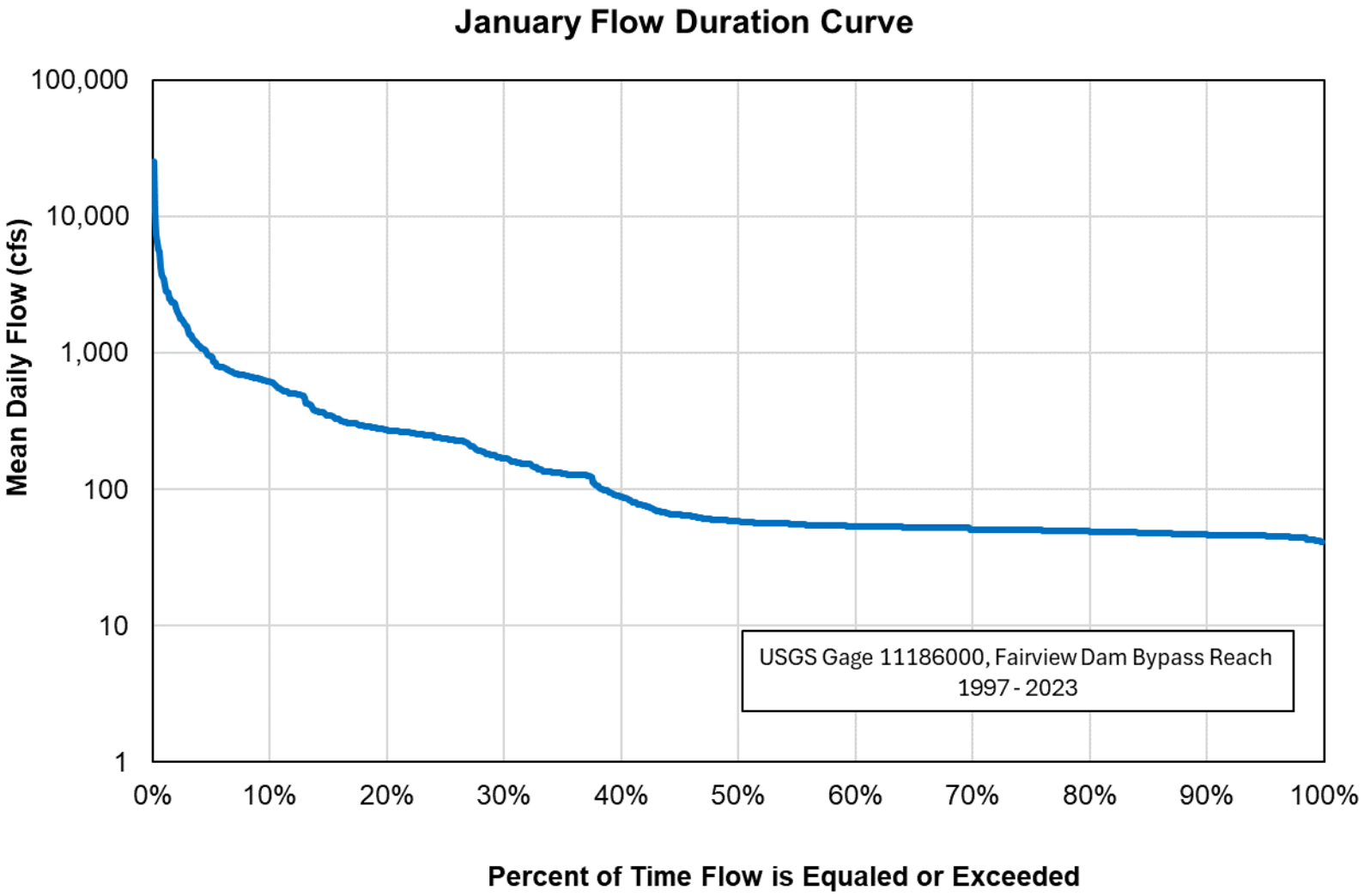
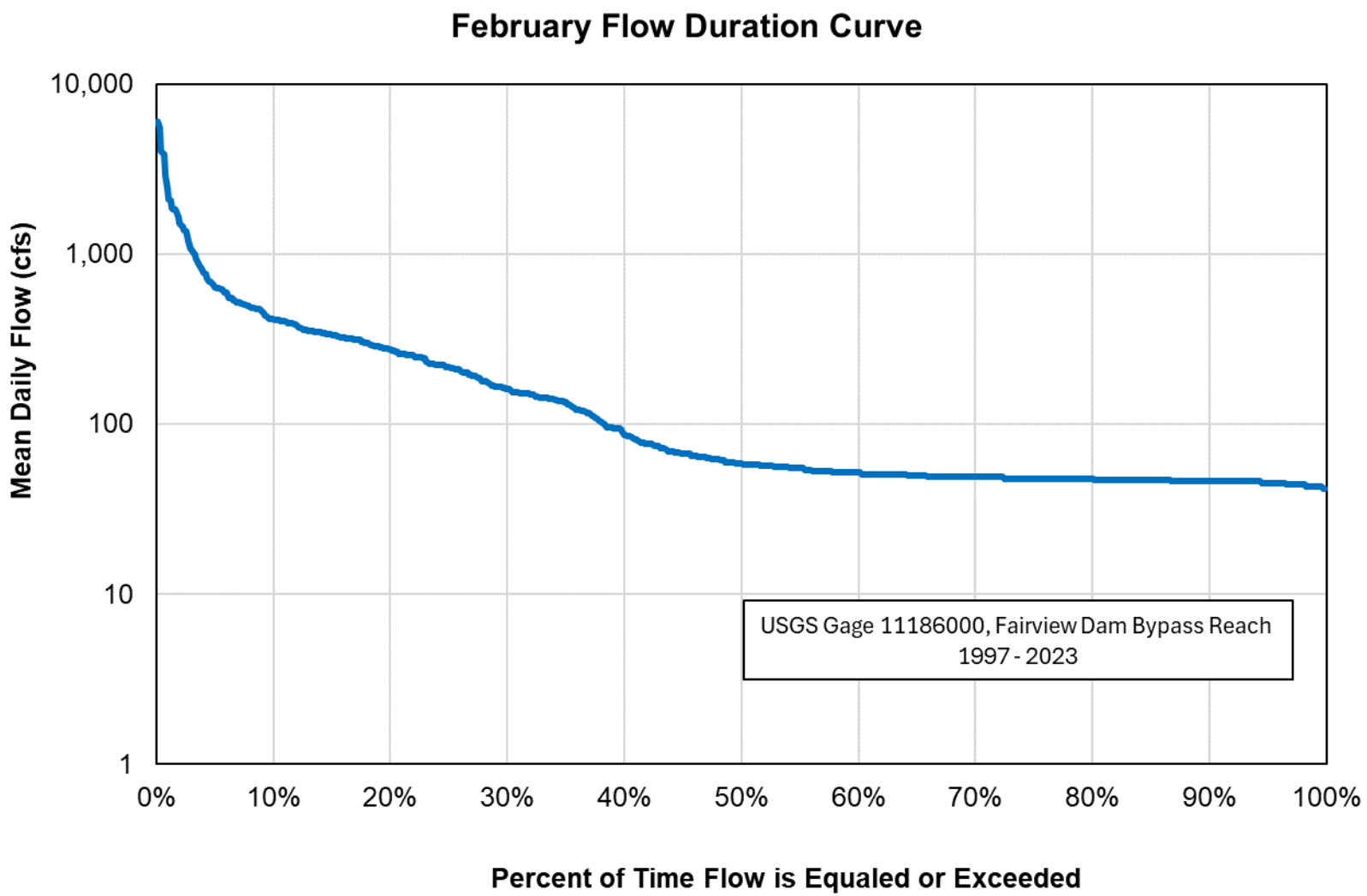


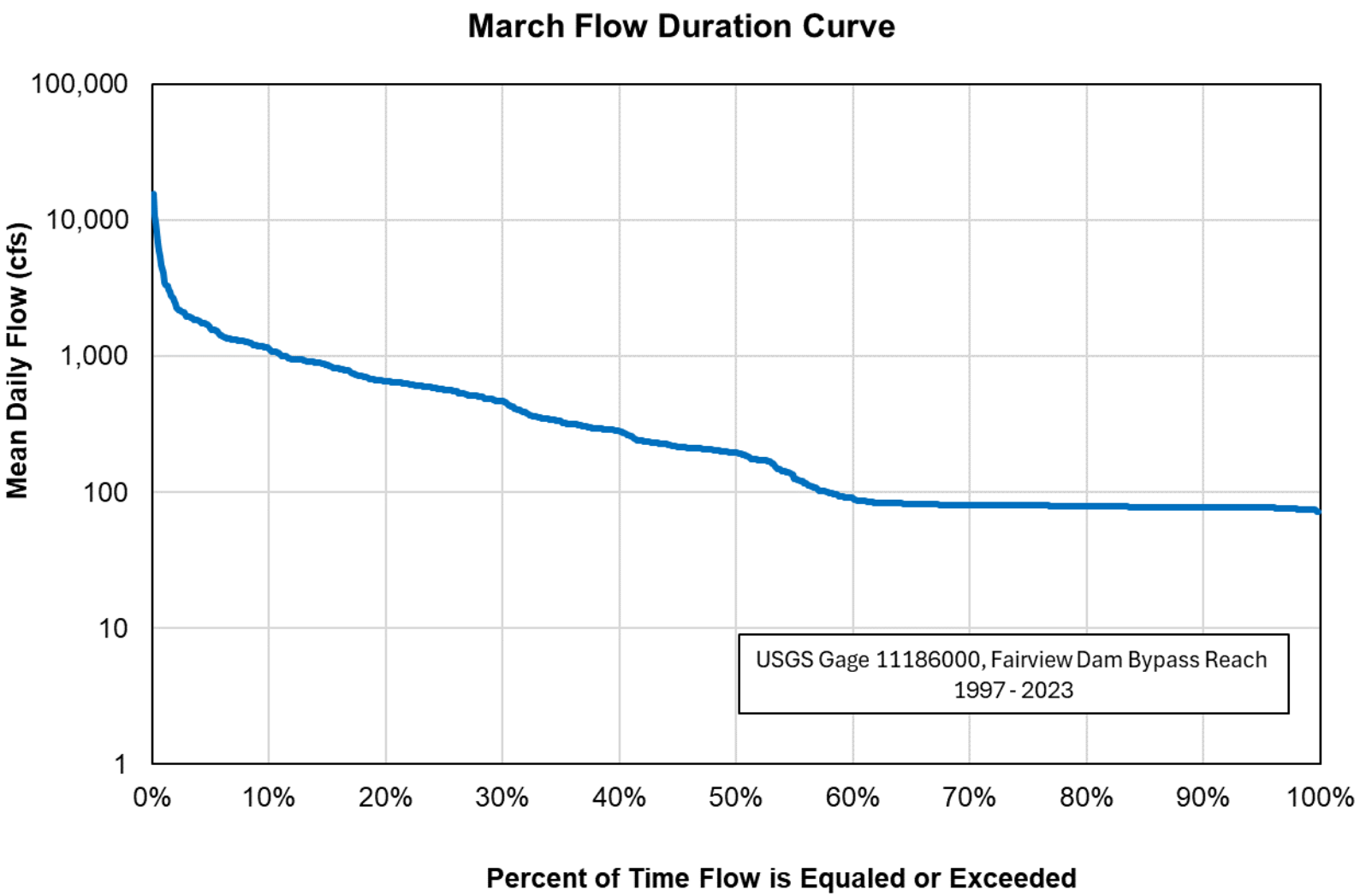
Source: SCE, 2023c; USGS, 2023a

Figure B-1. January Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



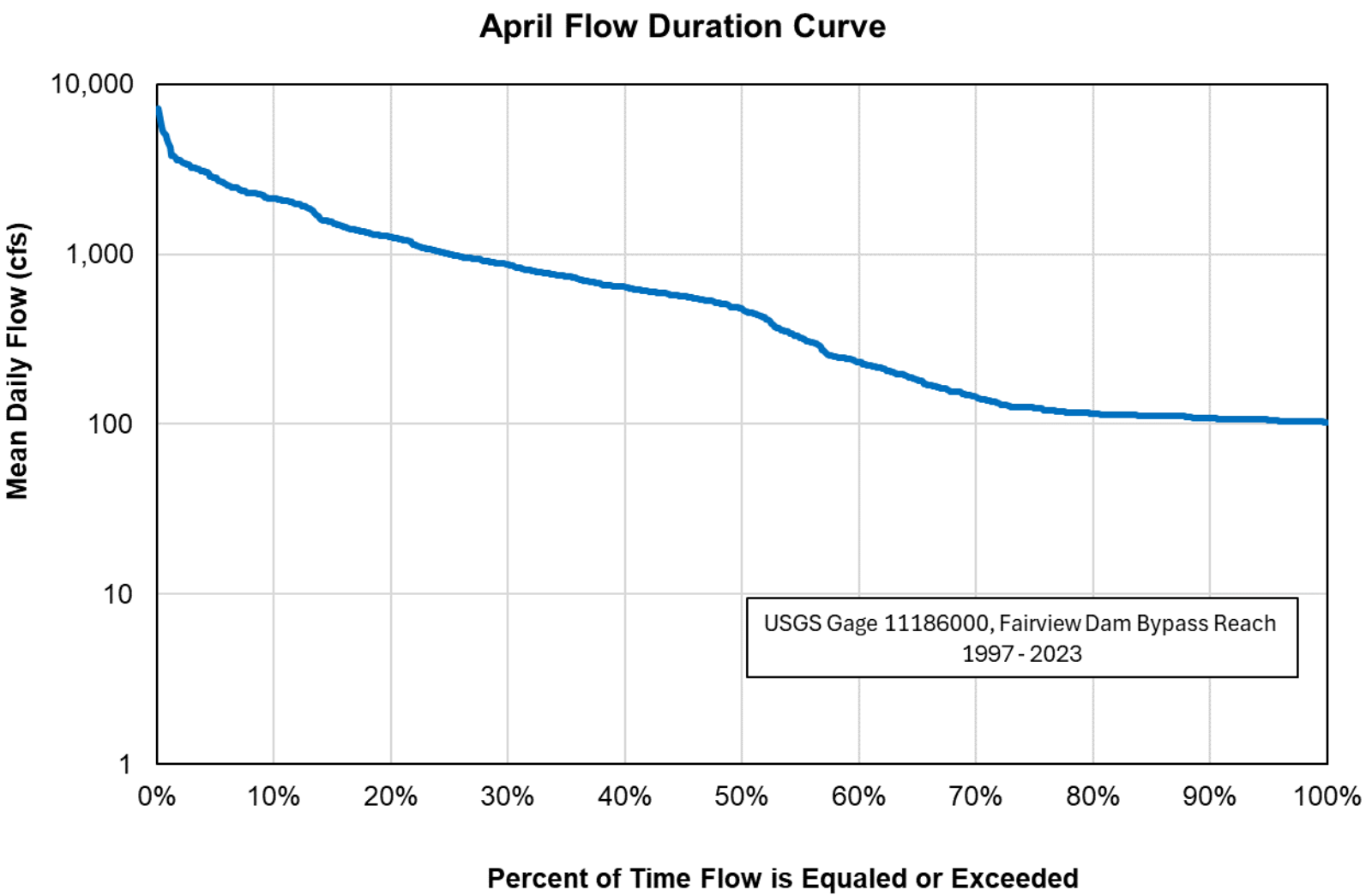
Source: SCE, 2023c; USGS, 2023a

Figure B-2. February Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



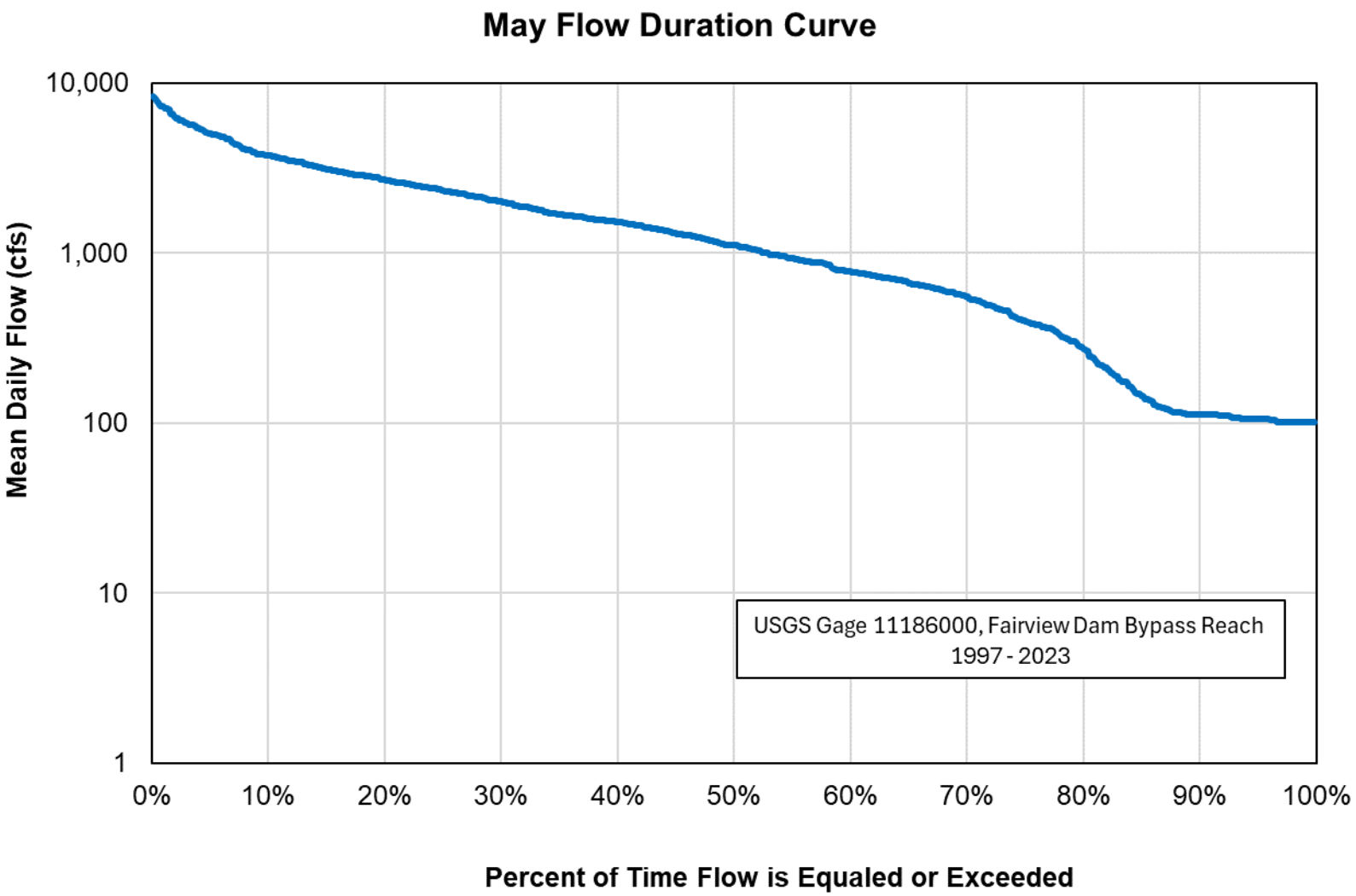
Source: SCE, 2023c; USGS, 2023a

Figure B-3. March Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



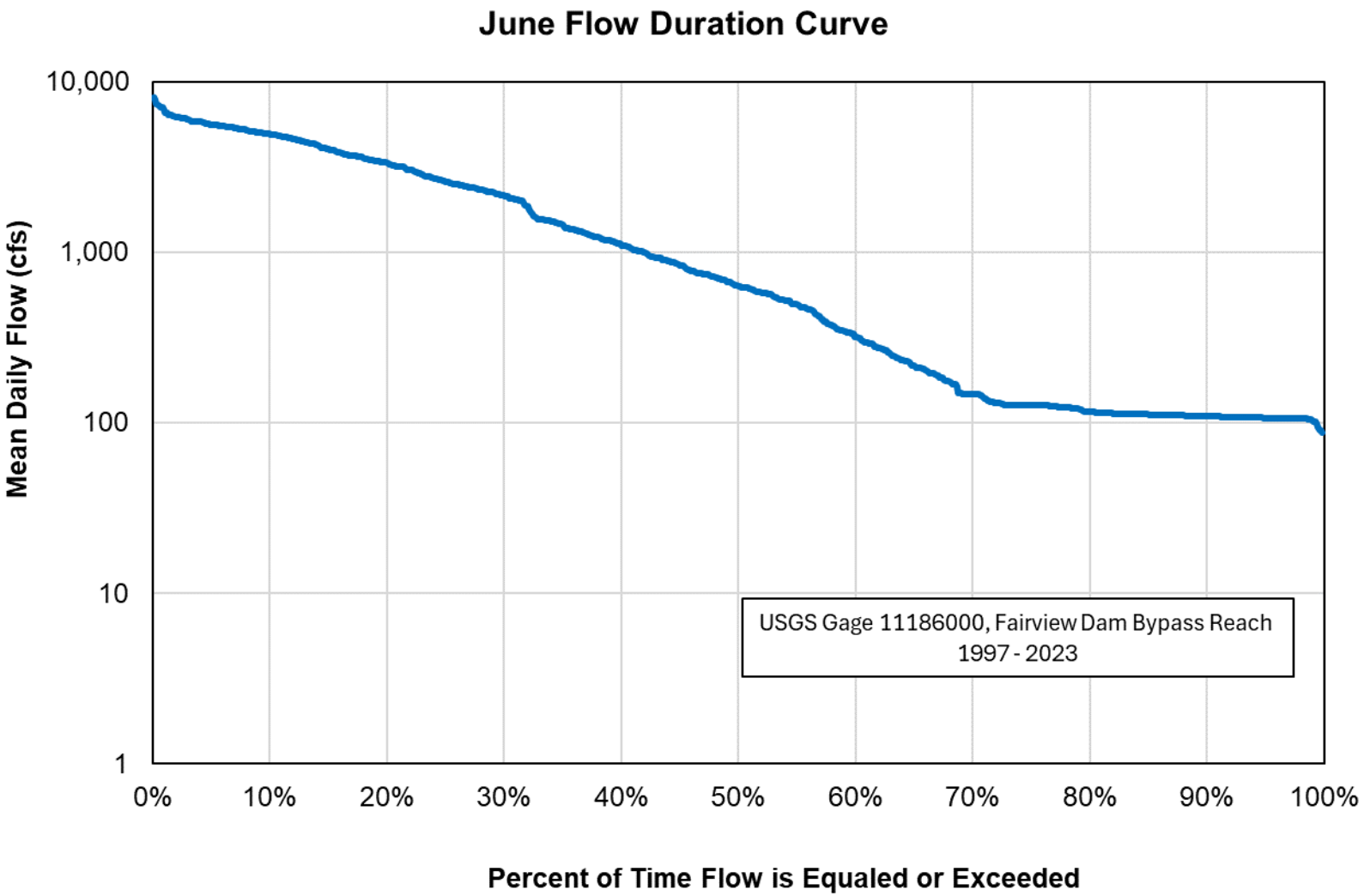
Source: SCE, 2023c; USGS, 2023a

Figure B-4. April Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



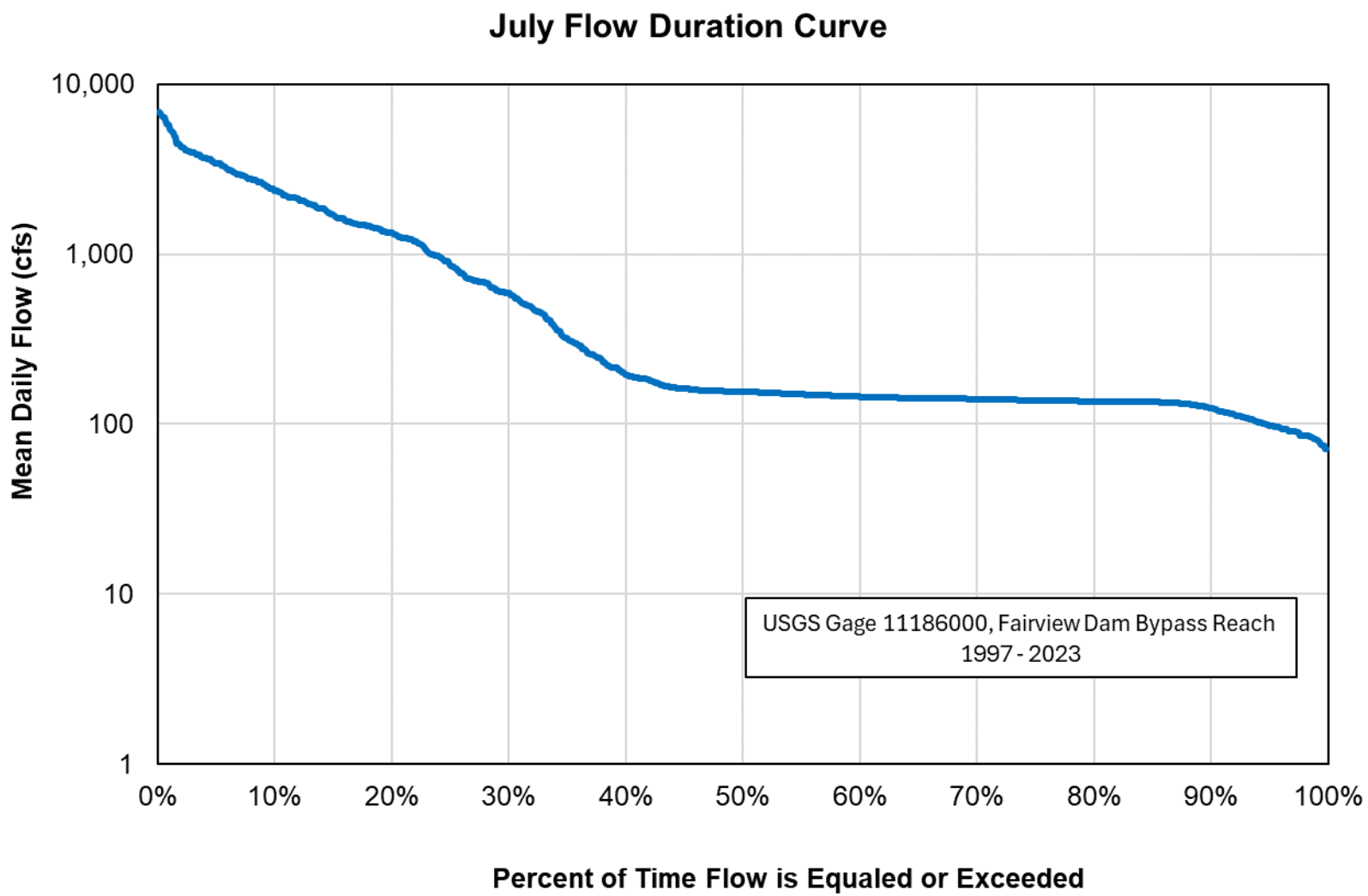
Source: SCE, 2023c; USGS, 2023a

Figure B-5. May Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



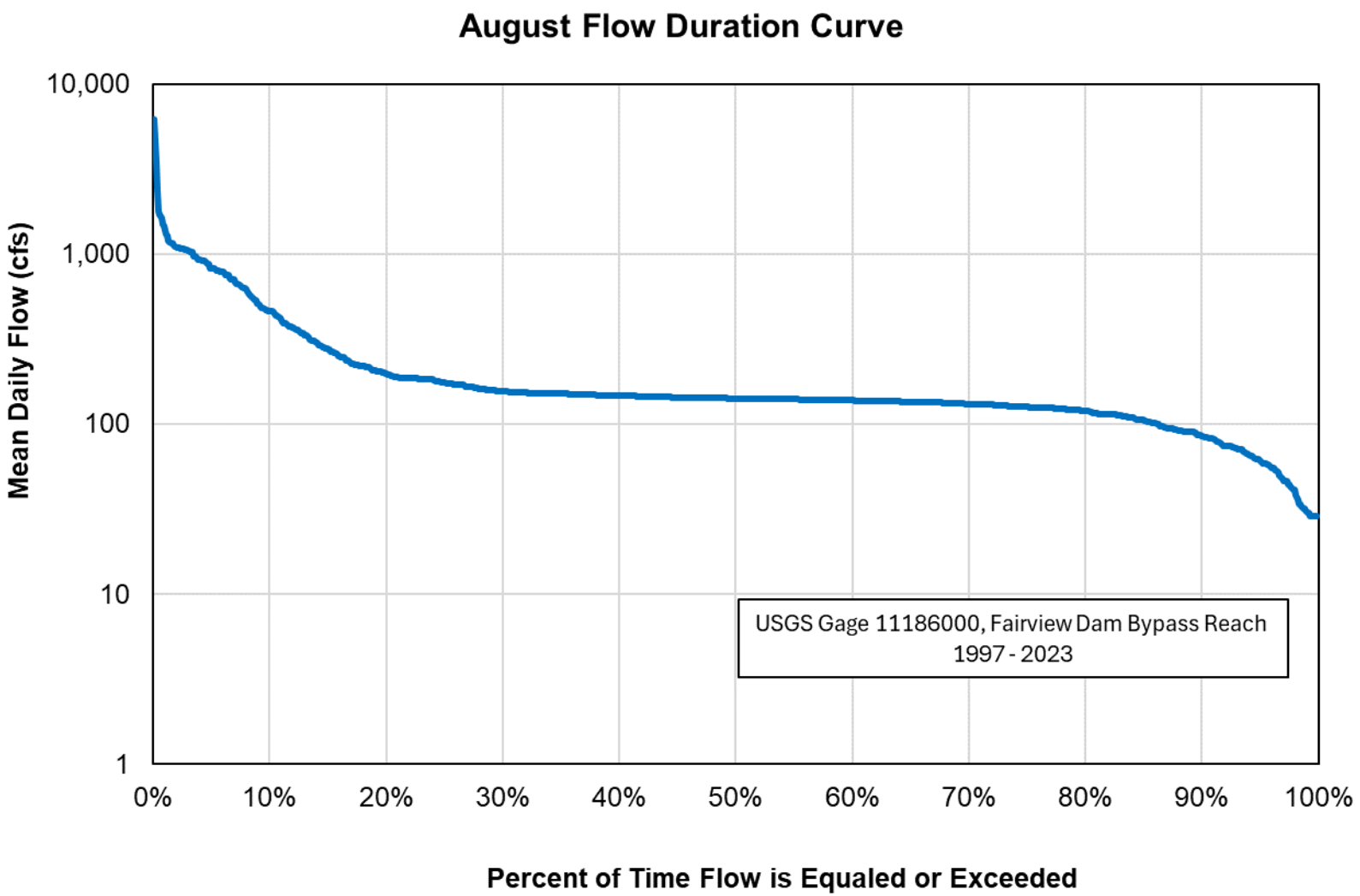
Source: SCE, 2023c; USGS, 2023a

Figure B-6. June Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



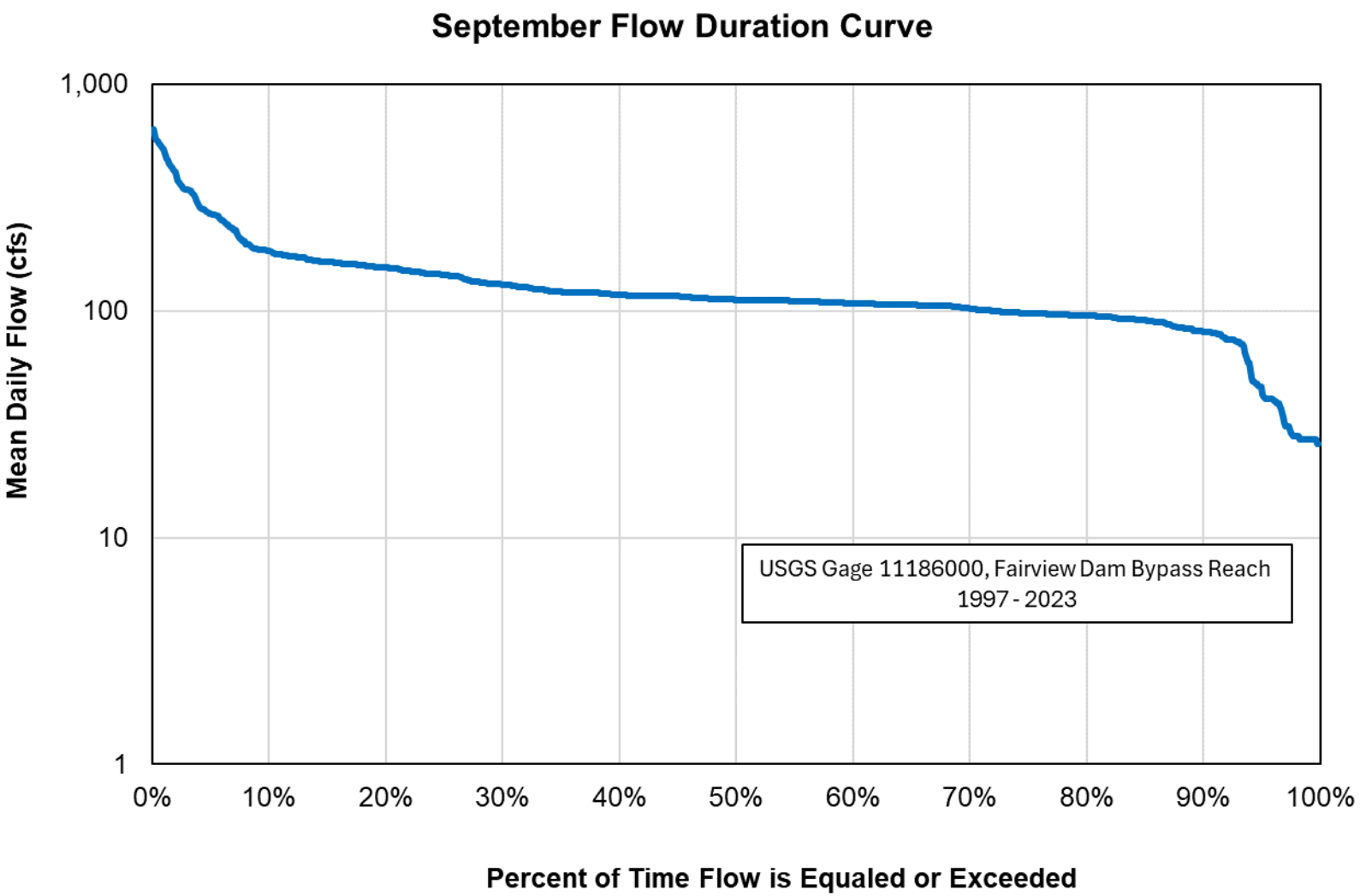
Source: SCE, 2023c; USGS, 2023a

Figure B-7. July Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



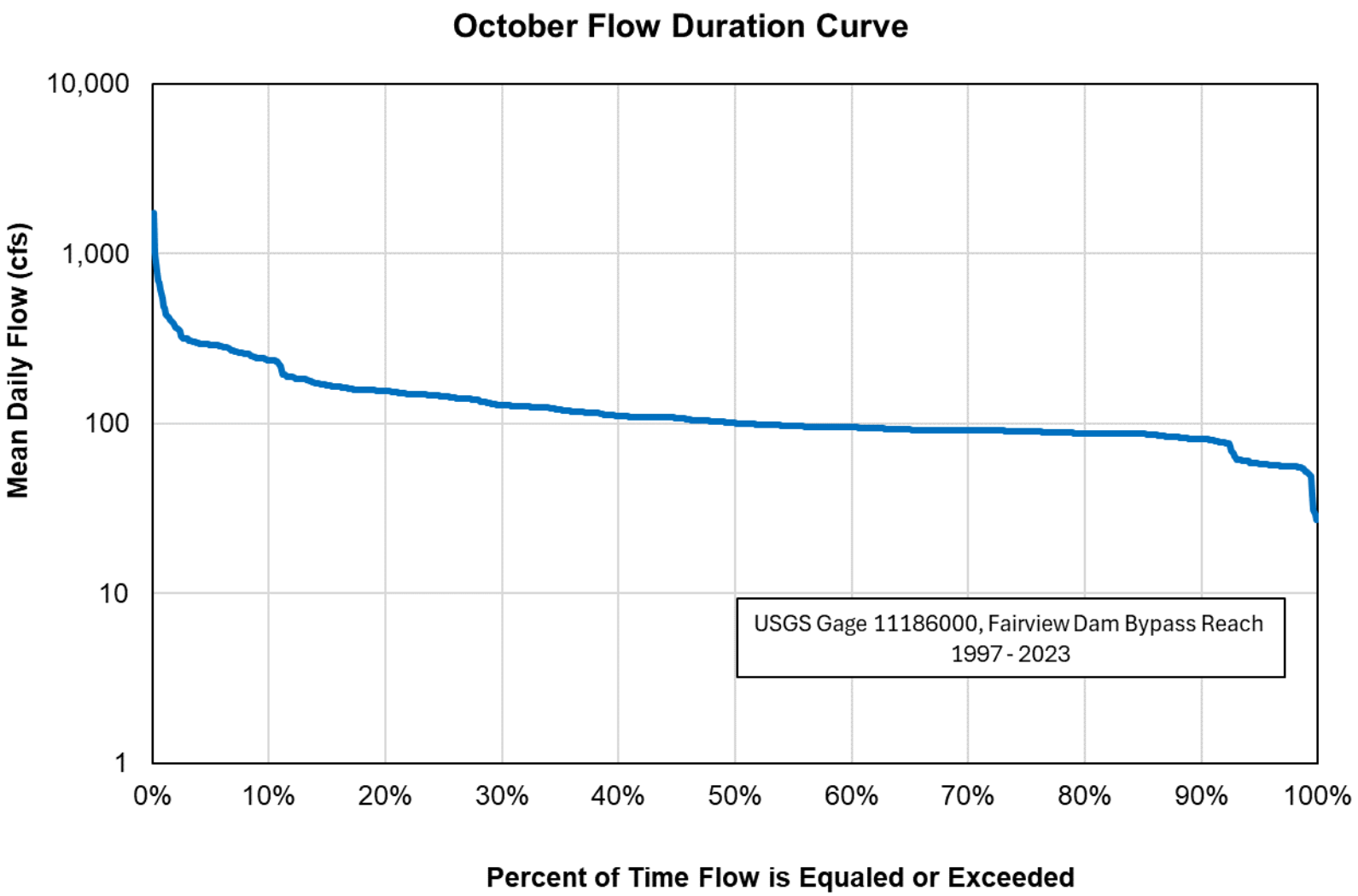
Source: SCE, 2023c; USGS, 2023a

Figure B-8. August Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



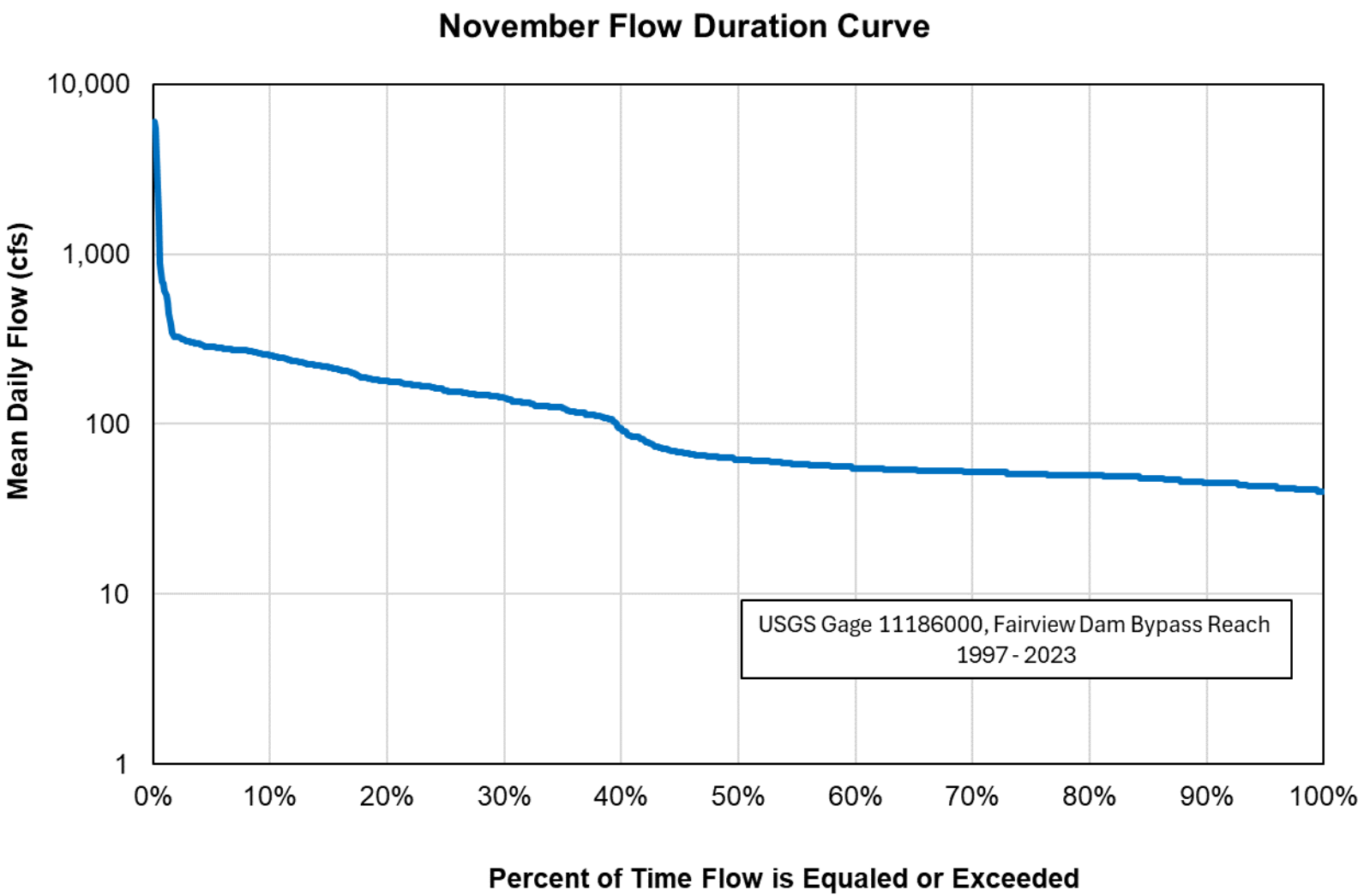
Source: SCE, 2023c; USGS, 2023a

Figure B-9. September Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



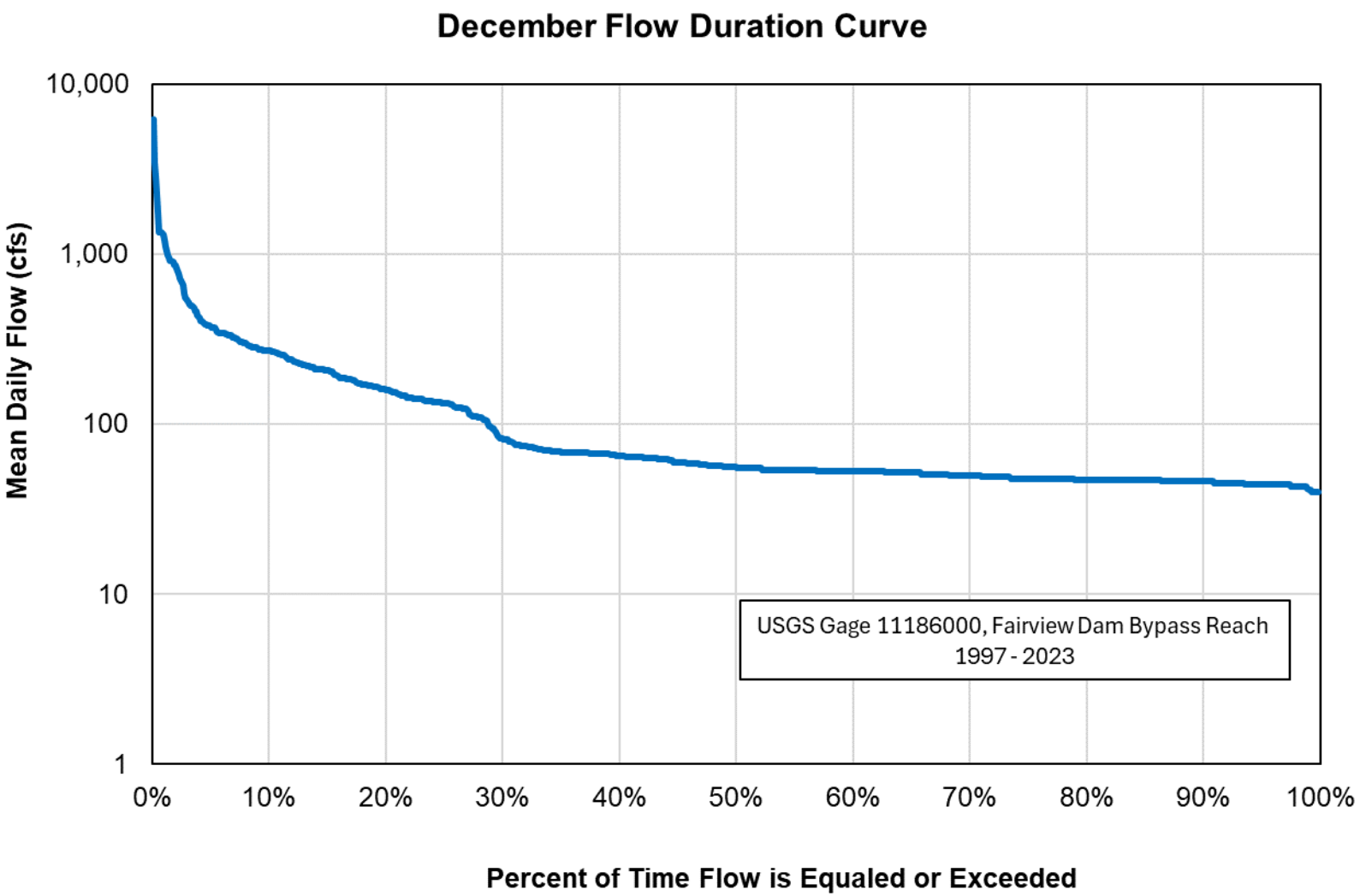
Source: SCE, 2023c; USGS, 2023a

Figure B-10. October Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



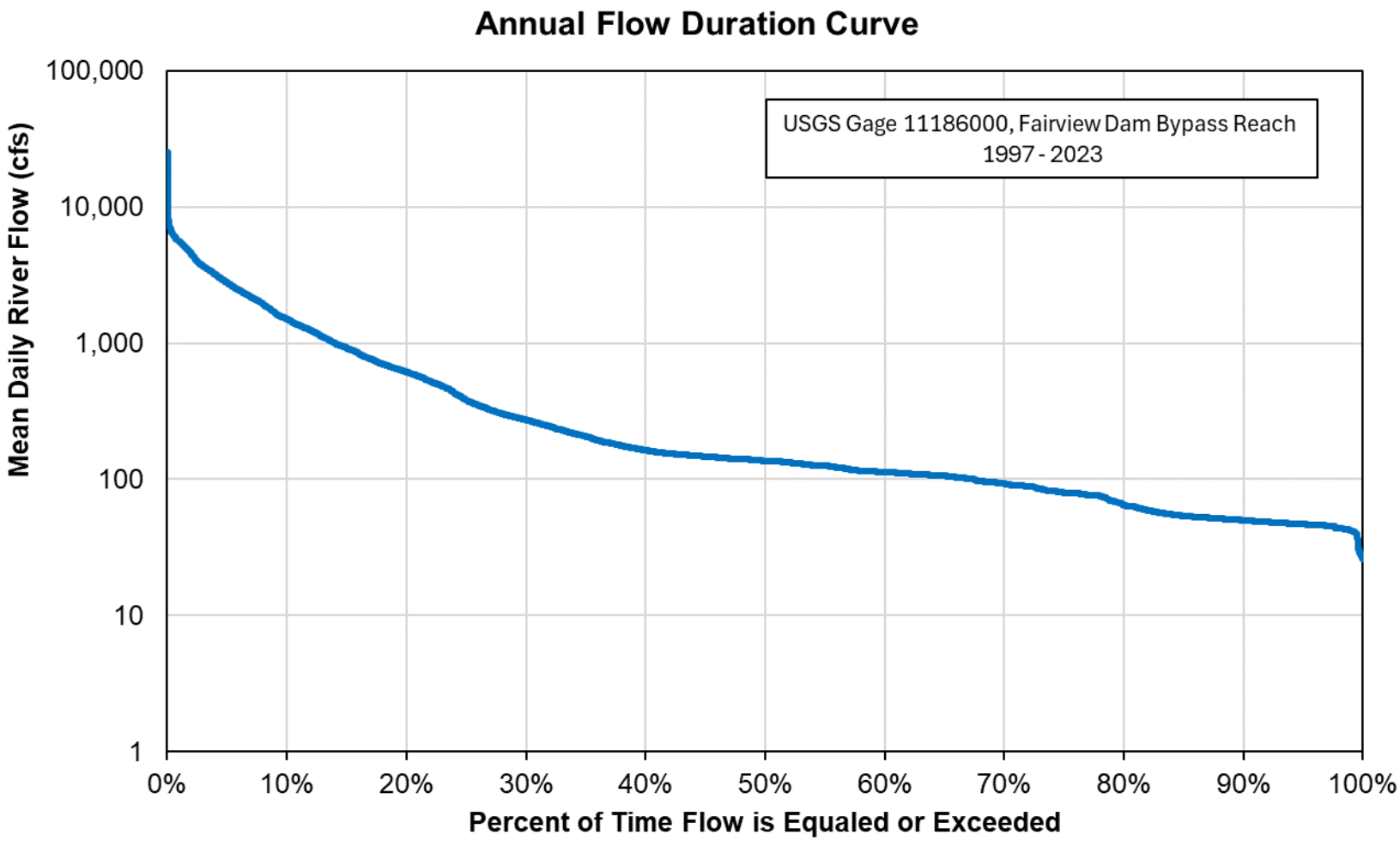
Source: SCE, 2023c; USGS, 2023a

Figure B-11. November Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



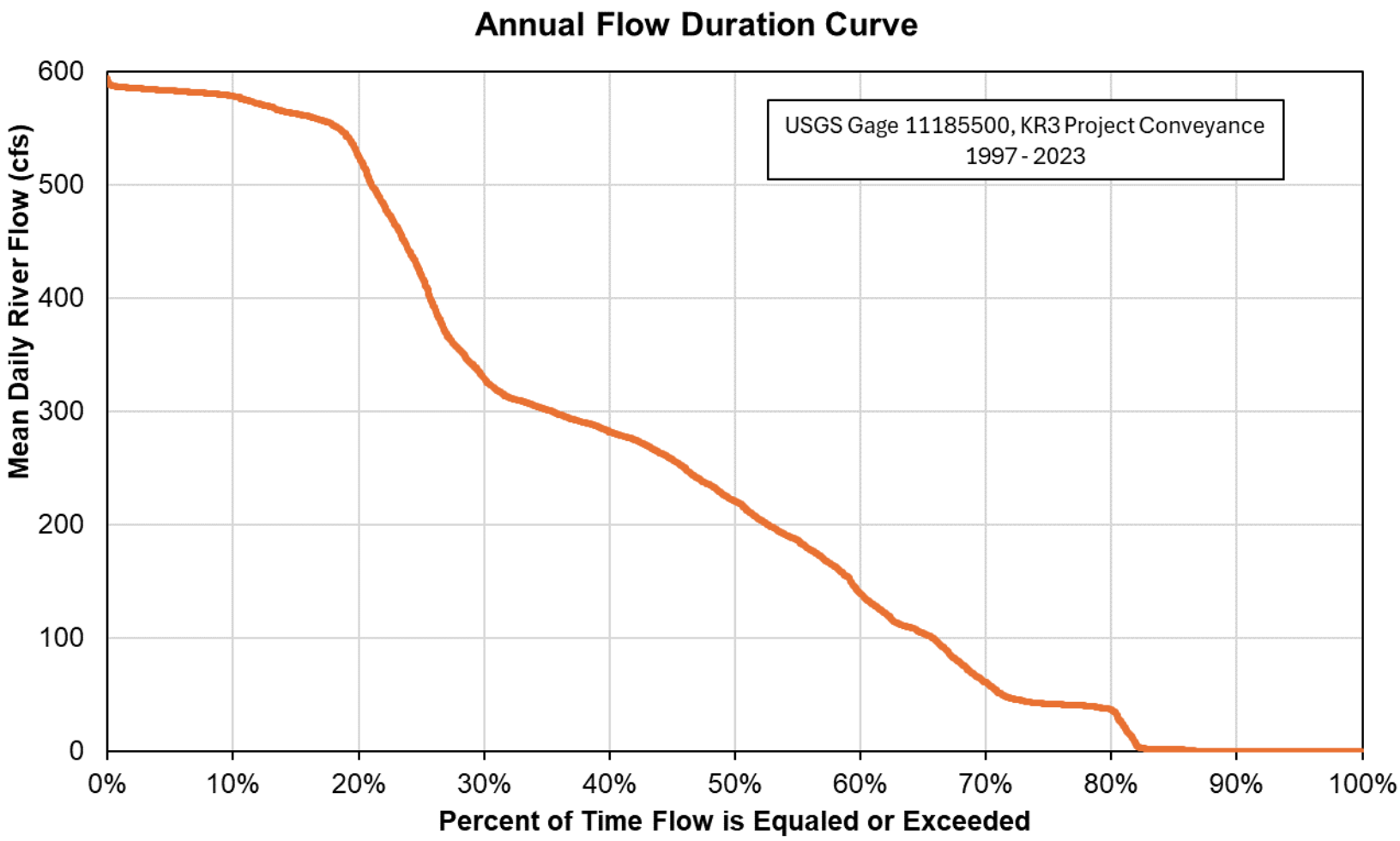
Source: SCE, 2023c; USGS, 2023a

Figure B-12. December Monthly Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



Source: SCE, 2023c; USGS, 2023a

Figure B-13. Annual Flow Duration Curve for the North Fork Kern River Fairview Dam Bypass Reach, Water Years 1997–2023.



Source: SCE, 2023c; USGS, 2023b

Figure B-14. Annual Flow Duration Curve for the Kern River No. 3 Project Water Conveyance System, Water Years 1997–2023.