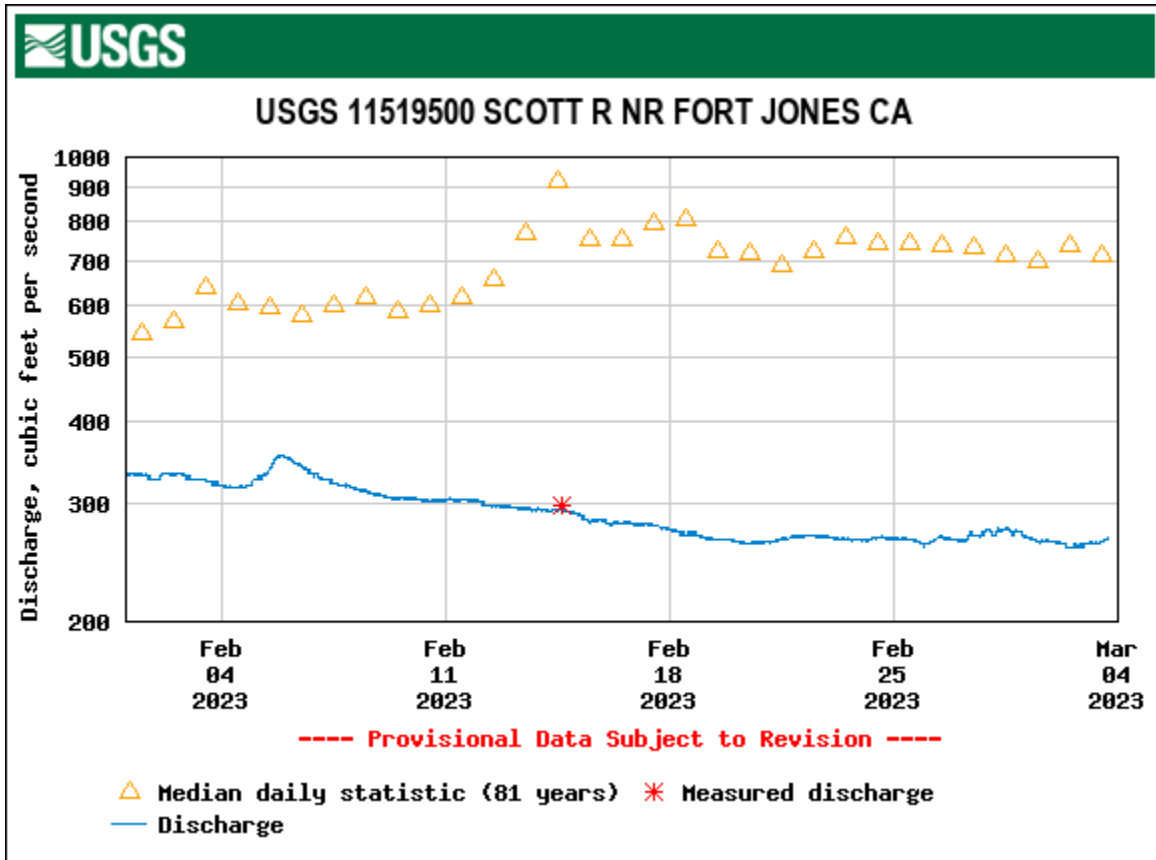


# SCOTT RIVER WATERSHED CONDITIONS

Water Year 2023 (10/1/22 to 9/30/23)

WEEK OF MARCH 3, 2023

**SCOTT RIVER FLOW:** 265 cubic feet per second (cfs) as of 3/3/23



## TODAY'S STATISTICAL DATA for Scott River USGS Gage – 3/3/23

Daily discharge, cubic feet per second -- statistics for Mar 3 based on 81 water years of record [more](#)

Min (1977)	Most Recent Instantaneous Value Mar 3	25th percentile	Median	Mean	75th percentile	Max (1972)
96.0	265	462	715	1040	1240	13000

**Median** is a measurement indicating that ½ of the flows recorded for that date were above this level, while ½ were below. In comparison, **mean** flow indicates the average figure for the date, which can be skewed by historic extreme high and low discharge events.

# SCOTT RIVER WATERSHED CONDITIONS

Water Year 2023 (10/1/22 to 9/30/23)

WEEK OF MARCH 3, 2023

## PRECIPITATION: California Data Exchange Center (CDEC)

Oct. 1, 2022 through Jan. 30, 2023 Period - By Month [February total not yet included]

Note that the south end of the valley is above average for precipitation while the north end is below average for this period.

KLAMATH RIVER			OCT	NOV	DEC	JAN	OCT-JAN
CALLAHAN	3185' CAL	Precip	0.00	1.41	9.03	7.91	18.35
		Average	1.36	2.32	3.95	3.46	11.09
		%-avg	0%	61%	229%	229%	165%
FORT JONES RS	2725' FJN	Precip	0.04	1.21	4.85	4.33	10.43
		Average	1.22	2.43	4.16	3.79	11.60
		%-avg	3%	50%	117%	114%	90%

<https://cdec.water.ca.gov/reportapp/javareports?name=PRECIPOUT>

## FEB-MARCH 2023 Precipitation by Week: Drought.gov

<https://www.drought.gov/location/96027,%20Etna,%20California>

Total 7-day precipitation for Etna: 3.05 in. Increase of 2442% since last week.

Total 7-day precipitation for Fort Jones: 2.89 in. Increase of 2308% since last week

Data Valid: 03/02/2023

Scott Mountain: 36.58" precip to date

<https://cdec.water.ca.gov/reportapp/javareports?name=DLYPCP>

## SNOW WATER CONTENT: March 1<sup>st</sup> survey results available next week

### US FOREST SERVICE – KLAMATH NATIONAL FOREST – Feb. 1<sup>st</sup> Snow Survey

California Cooperative Snow Survey <http://cdec.water.ca.gov/snow/current/snow/index.html>

Snow Course	Elevation	Snow Water Equivalent		
		Measured	Ave. for Feb. 1	% of Average
Middle Boulder 1	6600'	33.1"	19.0"	174%
Middle Boulder 3	6200'	27.0"	17.4"	155%
Dynamite Meadow	5700'	17.0"	12.1"	140%
Swampy John	5500'	14.2"	18.8"	76%
Scott Mountain	5900'	13.5"	13.7"	99%
<b>Total Average</b>			<b>129%</b>	

# SCOTT RIVER WATERSHED CONDITIONS

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WEEK OF MARCH 3, 2023

Note that the lowest elevation site – Swampy John at 5500 ft. elevation – is the only one below average in snow water content (with data back to 1986).

SCOTT MOUNTAIN – Snow Depth = 84” Water Content = 14.5” on 3/3/23

[https://cdec.water.ca.gov/jspplot/jspPlotServlet.jsp?sensor\\_no=1401&end=03%2F03%2F2023+17%3A30&geom=hu&interval=7&cookies=cdec01](https://cdec.water.ca.gov/jspplot/jspPlotServlet.jsp?sensor_no=1401&end=03%2F03%2F2023+17%3A30&geom=hu&interval=7&cookies=cdec01)

## DROUGHT CONDITION



National Integrated Drought Information System

[Drought.gov](http://Drought.gov)

Scott Valley remains in **Severe Drought (D2)**. Etna & Fort Jones have been in drought for the past 156 weeks, since March 03, 2020 – **Exactly 3 years.**

**96027, Etna, California** is currently in Severe Drought (D2), according to the U.S. Drought Monitor, and **conditions are expected to persist** over the next month.

6<sup>th</sup> driest year to date over the past 128 years (January-December 2022) for Siskiyou County.

The state has had four periods of persistent drought this century — 2001-04, 2007-09, 2012-16 and the current one. Between each of these droughts there were only a few years of wet weather.

[https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?fips\\_06093](https://droughtmonitor.unl.edu/CurrentMap/StateDroughtMonitor.aspx?fips_06093)

*"California has been in dry conditions for much of the last 10 years, with only two years of wet," Jeff Mount, senior fellow at the Public Policy Institute of California Water Policy Center. "The past three years have been the driest three-year period on record [dating back to 1895.] That just beats the driest three-year period on record from 2013 to 2015. And both of these three-year periods have been the hottest on record." ----Newsweek 1/24/23*

## TEMPERATURE

Avg. 7-day maximum temperature for Etna: 46° F. Decrease of 57% since last week.

Data Valid: 03/02/2023

<https://www.drought.gov/location/96032>

<https://www.weather.gov/wrh/Climate?wfo=mfr>

# **SCOTT RIVER WATERSHED CONDITIONS**

*Water Year 2023 (10/1/22 to 9/30/23)*

**WEEK OF MARCH 3, 2023**

## **WEATHER GRAPHICS**

Center for Western Weather and Water Extremes – U.C. San Diego, Scripps Institute of Oceanography

[https://cw3e.ucsd.edu/DSMaps/DS\\_intro.html](https://cw3e.ucsd.edu/DSMaps/DS_intro.html)

<https://cw3e.ucsd.edu/Projects/QPF/QPF.html>

## **FISH POPULATION ESTIMATES**

### **2022 ADULT SALMON SPAWNERS: Data from CDFW Fish Counting Facility**

Update on adult Chinook estimated in the Scott River, including below the weir: 994.

“The Scott River station was operational on September 29, 2022 and 72 adult Chinook Salmon and 236 Coho Salmon have been observed through December 26, 2022 (when video weir was removed due to high flows). The Scott River station is 18 miles upstream of the confluence with the Klamath River. During Fall 2022, a significant number of Chinook Salmon spawned downstream of the counting station and were estimated during spawning ground surveys. This in-season update doesn’t report the spawning escapement that is observed downstream of the Scott River adult fish counting station. Final reports detailing the total escapement to the Scott River will be available when the data is finalized.”

**2023 JUVENILE SALMONID OUTMIGRANTS** – CDFW reports: “The Scott 8 ft. rotary screw trap (RST) began sampling on 2/21/2023. The Scott 5 ft. RST is not operational for 2023 due to staffing shortages.” Raw data on catch, by species and age, will need to be extrapolated to population estimates once sufficient data on the RST efficiency is obtained. This trap is located near the mouth of the Scott River.