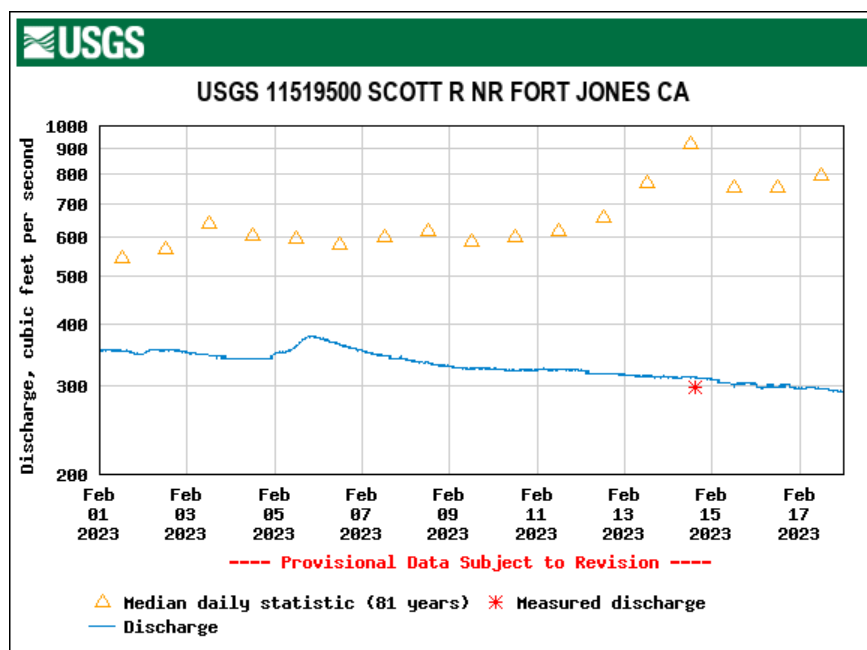


# SCOTT RIVER WATERSHED CONDITIONS

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

WEEK OF FEB. 17, 2023

**SCOTT RIVER FLOW:** 297 cubic feet per second (cfs) as of 2/17/23



## TODAY'S STATISTICAL DATA for Scott River USGS Gage – 2/19/23

Daily Streamflow, ft<sup>3</sup>/s for Sun Feb 19 2023 based on 81 years of data.

Latest Value	Lowest Value (1977)	25th Percentile	Median	75th Percentile	Mean	Highest Value (1958)
282	89	402	722	1290	1220	9370

**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.

## PRECIPITATION: California Data Exchange Center (CDEC)

### Oct. 1, 2022 through Jan. 30, 2023 Period - By Month

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

## **SCOTT RIVER WATERSHED CONDITIONS**

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

**WEEK OF FEB. 17, 2023**

<b>KLAMATH RIVER</b>			<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>JAN</b>	<b>OCT-JAN</b>
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>

**FEBRUARY 2023 Precipitation by Week:** Drought.gov

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

Total 7-day precipitation for Etna: 0.30 in.

Total 7-day precipitation for Fort Jones: 0.43 in.

Data Valid: 2/17/2023

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

Scott Mtn: 32.31" precip to date      3.57" month to date

**SNOW WATER CONTENT:** California Data Exchange Center (CDEC)

**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>	

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 RIVER WATERSHED CONDITIONS

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

WEEK OF FEB. 17, 2023

## DROUGHT CONDITION



National Integrated Drought Information System

[Drought.gov](https://drought.gov)

Scott Valley remains in **Severe Drought (D2)**. Etna & Fort Jones have been in drought for the past 154 weeks, since March 03, 2020.

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.*

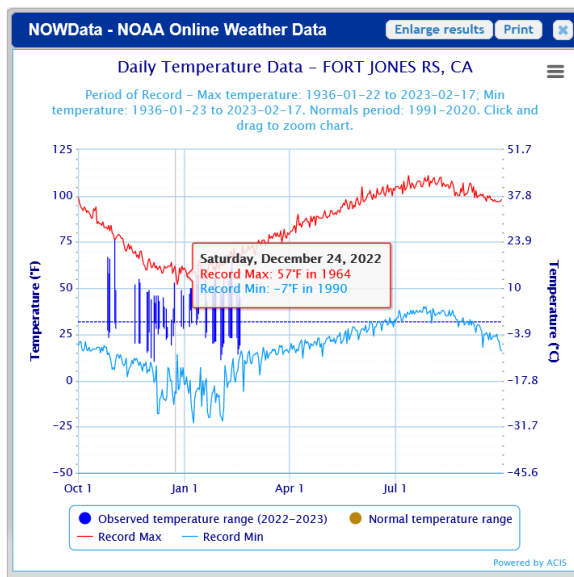
*"The past three years have been the driest three-year period on record [dating back to 1895.] That just beats the driest three-year period on record from 2013 to 2015. And both of these three-year periods have been the hottest on record." ----Newsweek 1/24/23*

## TEMPERATURE

Avg. 7-day max temperature at Etna: 51° F <https://www.drought.gov/location/96032>

Avg. January 2023 temperature at Fort Jones: 39.0 ° F. Note January was warmer than average.

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



# **SCOTT RIVER WATERSHED CONDITIONS**

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

**WEEK OF FEB. 17, 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** – no updates this week

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

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 installed traps near mouth this week