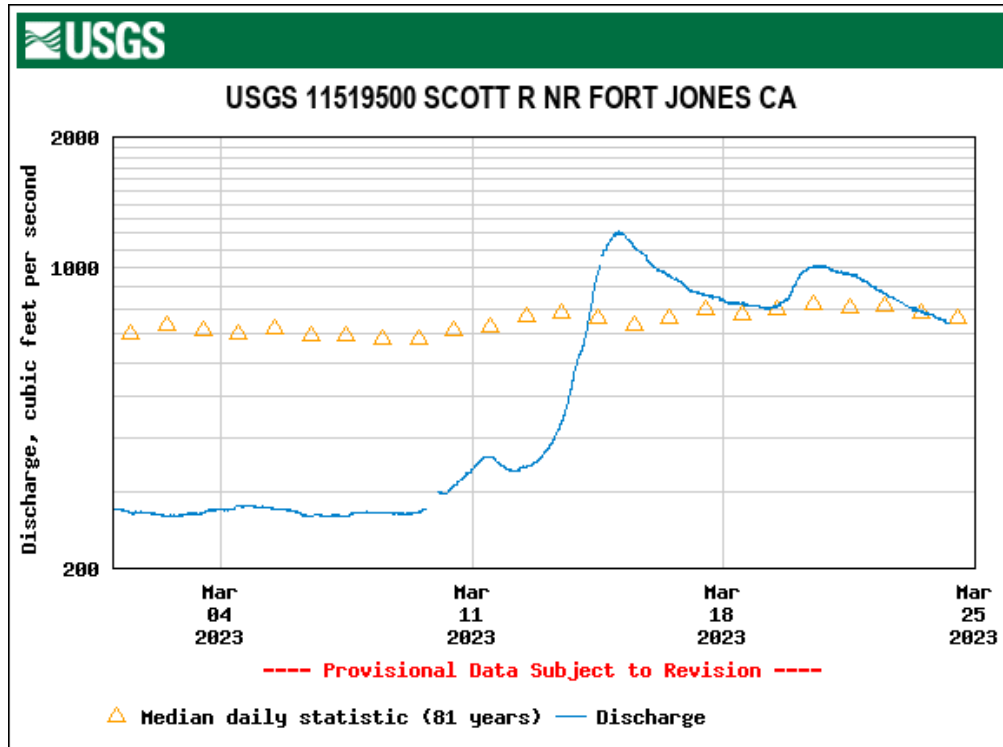


SCOTT RIVER WATERSHED CONDITIONS

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

WEEK OF MARCH 24, 2023

SCOTT RIVER FLOW: 743 cubic feet per second (cfs) as of 3/24/23



TODAY'S STATISTICAL DATA for Scott River USGS Gage – 3/24/23

Daily discharge, cubic feet per second -- statistics for Mar 24 based on 81 water years of record

Min (1977)	25th percentile	Most Recent Instantaneous Value Mar 24	Median	Mean	75th percentile	Max (1998)
66.0	504	743	764	1080	1270	11000

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 Feb. 28, 2023 Period - By Month

Note that the south end of the valley (Callahan) has been above average for precipitation up through February while the north end (Fort Jones) has been below average for this period.

SCOTT RIVER WATERSHED CONDITIONS

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

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<i>KLAMATH RIVER</i>		OCT	NOV	DEC	JAN	FEB	OCT-FEB
CALLAHAN	Precip	0.00	1.41	9.03	7.91	2.87	21.22
	Average	1.36	2.32	3.95	3.46	2.78	13.87
	%-avg	0%	61%	229%	229%	103%	153%
FORT JONES RS	Precip	0.04	1.21	4.85	4.33	1.38	11.81
	Average	1.22	2.43	4.16	3.79	2.59	14.19
	%-avg	3%	50%	117%	114%	53%	83%

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

MARCH 2023 Precipitation by Week: Drought.gov

Fort Jones - Total 7-day precipitation: 0.65 in. Decrease of 83% since last week.

Data Valid: 03/22/2023

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

Scott Mountain: 43.63" precipitation to date (since Oct. 1)

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

SNOW WATER CONTENT:

US FOREST SERVICE – KLAMATH NATIONAL FOREST – March 1st Snow Survey

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

Snow Course	Elev.	Snow Water Equivalent					
		Feb. 1 2023	Feb. 1 Ave.	Feb. 1 % Ave.	Mar. 1 2023	Mar. 1 Ave.	Mar. 1 % Ave.
Middle Boulder 1	6600'	33.1"	19.0"	174%	nd		nd
Middle Boulder 3	6200'	27.0"	17.4"	155%	nd		nd
Dynamite Meadow	5700'	17.0"	12.1"	140%	nd		nd
Swampy John	5500'	14.2"	18.8"	76%	17.2"	24.1"	71%
Scott Mountain	5900'	13.5"	13.7"	99%	nd		nd
Total Average		129%			nd		

nd = no data, due to inability to access the sites.

SCOTT RIVER WATERSHED CONDITIONS

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

WEEK OF MARCH 24, 2023

“Surveyors at Swampy John below Etna Pass found much new snow, albeit readily compressed, which made for a lower-than-expected Snow Water Equivalent (SWE, a measure of water content) despite the excellent snow height (snow depth). Historically, snowpack reaches its annual maximum by late-March / early-April.” - US Forest Service News Release, Mar. 6, 2023

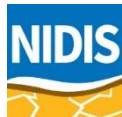
SCOTT MOUNTAIN – Snow Depth = nd Water Content = 13.92” on 3/23/23

MIDDLE BOULDER 3: Snow Depth = 123” on 3/23/23

https://cdec.water.ca.gov/jspplot/jspPlotServlet.jsp?sensor_no=1401&end=03%2F03%2F2023+17%3A30&geom=height&interval=7&cookies=cdec01

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

DROUGHT CONDITION



National Integrated Drought Information System
[Drought.gov](https://drought.gov)

Scott Valley continued in **Moderate Drought (D1)** category as of 3/23. Etna & Fort Jones have been in drought for the past 159 weeks, since March 03, 2020 – **3 years**.

TEMPERATURE

Temperature range (Fort Jones): 11°F to 61°F (for month of March 2023)

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

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/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 total.

“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

SCOTT RIVER WATERSHED CONDITIONS

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

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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.

► No fish were collected at the RST last week due to high flows in the Scott River.