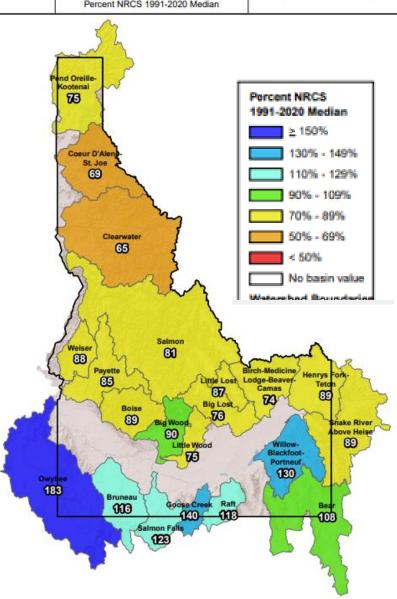
## April 23, 2024 Bruneau, Owyhee & Salmon Falls Snow2Flow Update Snow Water Map

Idaho SNOTEL

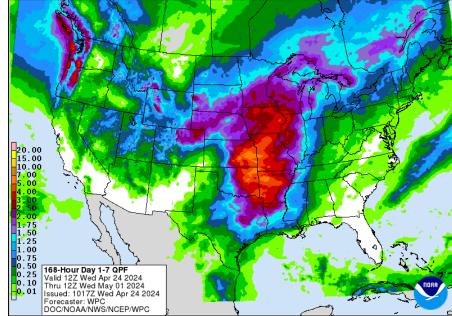
April 22, 2024, end of day

Percent NRCS 1991-2020 Median

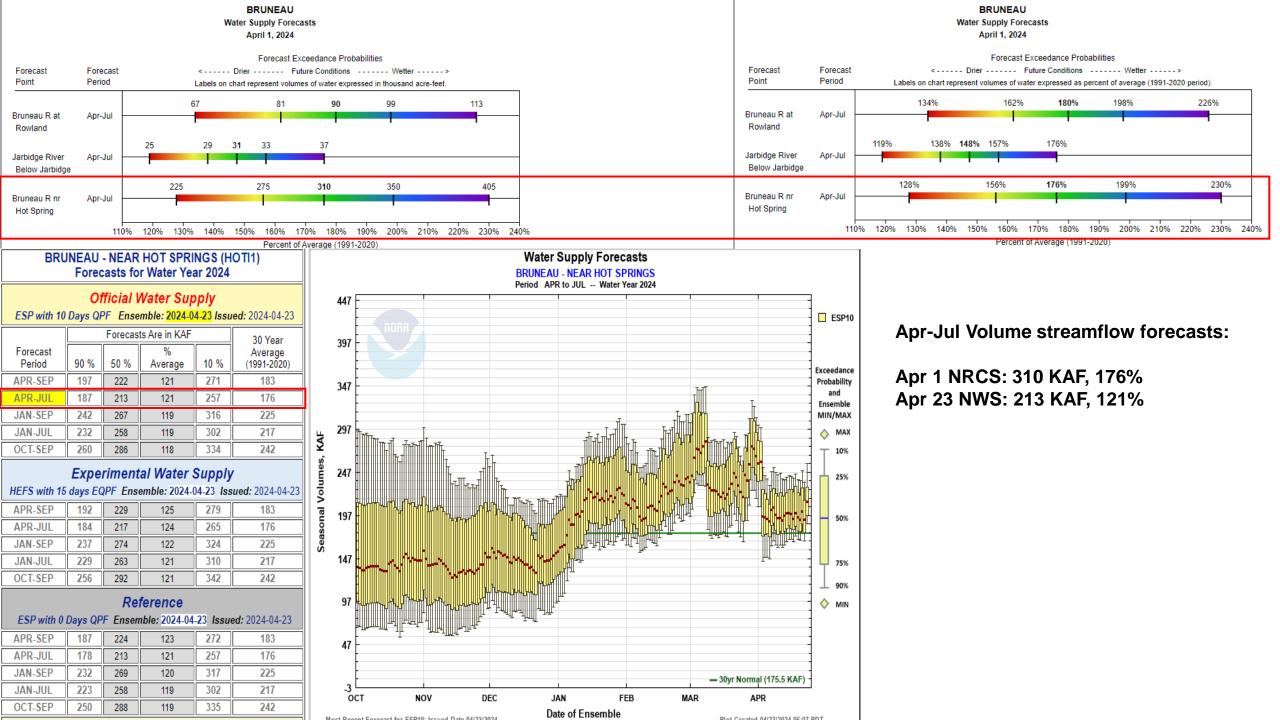
With below normal precip April 1-24 across the state and little expected in next 7 days, streamflow volumes are decreasing from April 1 release.

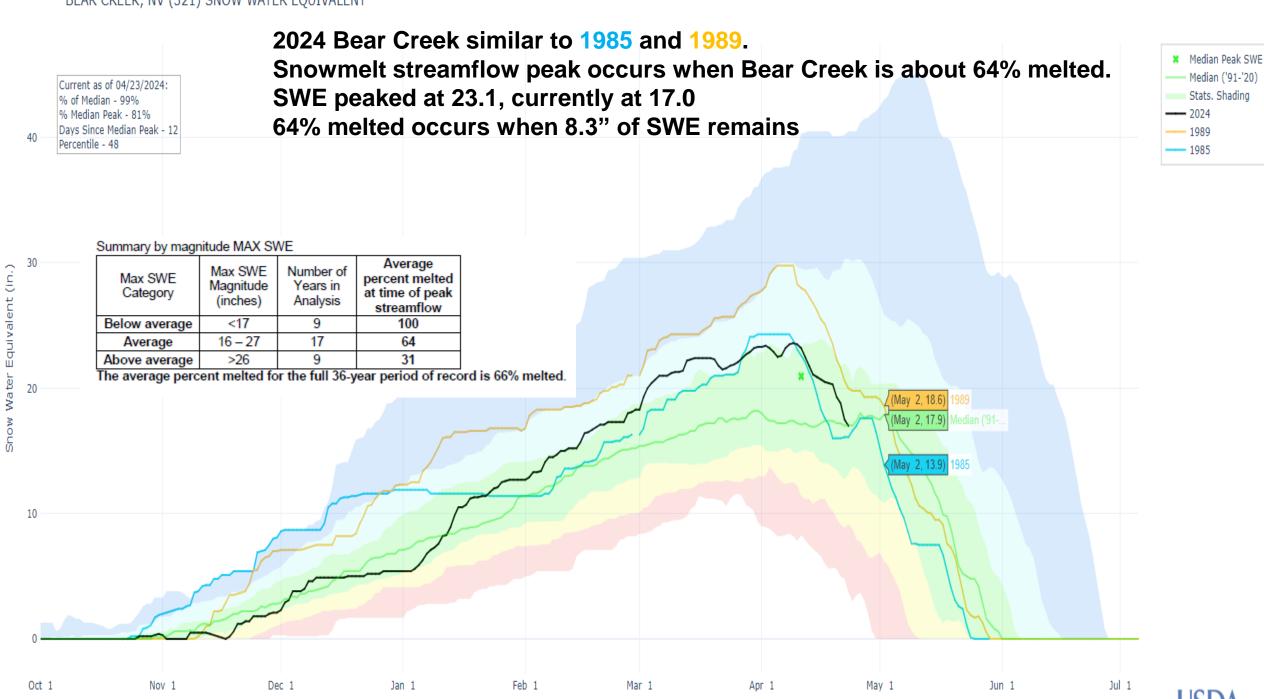


Idaho SNOTEL Precipitation Summary Update Report								
Based on Mountain Data from NRCS SNOTEL Sites								
**Provisional data, subject to revision**  Data based on the first reading of the day (typically 00:00) for Wednesday, April 24, 2024								
Data based on the		e day (tyr Median	ocally 00:00	Median				
	onth to Date		Pct of					
Basin Elev Site Name (ft)	Precipitation	Total	Monthly	Precipitation Total Annual				
	(in)	(in)	Total	(in) (in) Total				
NORTHERN PANHA	ANDLE REGI	ION	40	68				
Basin Index (%)			40	00				
COEUR D'ALENE-S	T. JOE RIVE	R BAS	IN					
Basin Index (%)			57	60				
CLEARWATER BAS	SIN							
Basin Index (%)			62	59				
SALMON BASIN								
Basin Index (%)			66	64				
WEISER BASIN								
Basin Index (%)			73	69				
PAYETTE BASIN								
Basin Index (%)			75	70				
BOISE BASIN								
Basin Index (%)			66	74				
BIG WOOD BASIN								
Basin Index (%)			71	67				
LITTLE WOOD BAS	SIN							
Basin Index (%)			18	64				
BIG LOST BASIN								
Basin Index (%)			49	65				
LITTLE LOST								
Basin Index (%)			42	58				
BIRCH, MEDICINE	LODGE, BE	AVER,	CAMAS	BASINS				
Basin Index (%)			26	54				

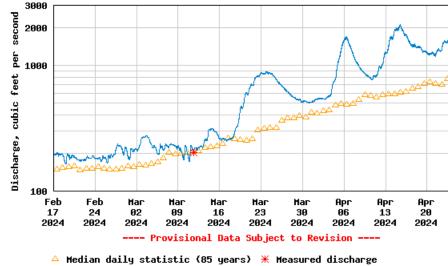


HENRYS FORK, TETON BASINS		
Basin Index (%)	32	71
SNAKE BASIN ABOVE PALISADES		
Basin Index (%)	31	65
WILLOW, BLACKFOOT, PORTNEUF	BASINS	
Basin Index (%)	26	81
SNAKE BASIN ABOVE AMERICAN F		
Basin Index (%)	30	69
RAFT BASIN		
Basin Index (%)	27	89
GOOSE CREEK BASIN		
Basin Index (%)	35	84
SALMON FALLS BASIN		
Basin Index (%)	27	80
BRUNEAU BASIN		
Basin Index (%)	13	76
OWYHEE BASIN		
Basin Index (%)	34	92
BEAR RIVER BASIN		
Basin Index (%)	22	76









△ Median daily statistic (85 years) **\*** Measured discharge — Discharge

Create presentation-quality / stand-alone graph. Subscribe to WaterAlert

See this graph on the Monitoring Location Pages

#### Share this graph

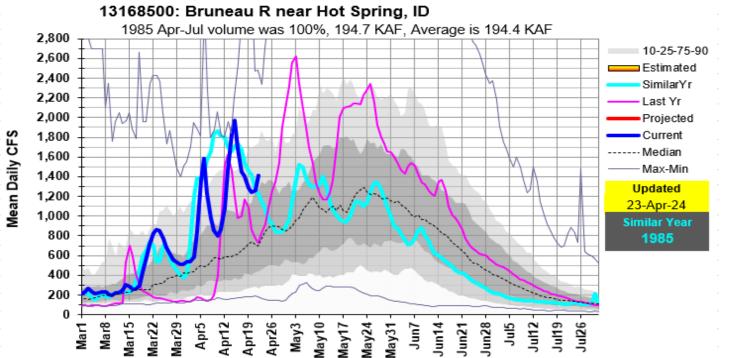
Daily discharge, cubic feet per second -- statistics for Apr 23 based on 85 water years of record more

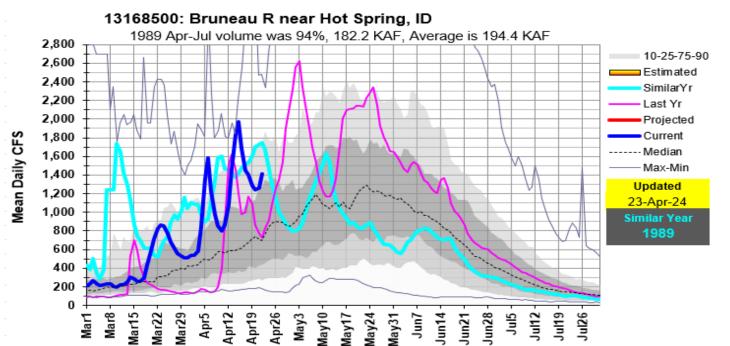
Min	25th			1 1	Most Recent	May
(1968)	percen- tile	Median			Instantaneous Value Apr 23	
169	455	776	925	1350	1620	2340

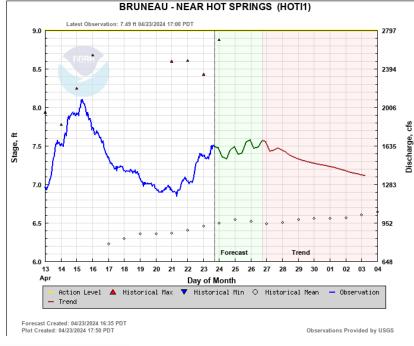
Nice to have agreement!
Snow2Flow Relationship is showing another peak or increase from remaining snow to melt.
Future weather will determine if next peak exceeds the Apr 15 peak of 2000 cfs.

Next slide shows short and longer NWS flow trends, but a June 1 peak seems late when compared to similar runoff years of 1985 and 1989.

Interesting to note that the Apr-Jul volume for both years, 1985 and 1989, was 194 and 182 KAF. This falls in line with NWS prediction volume of 213 KAF from Apr 23.



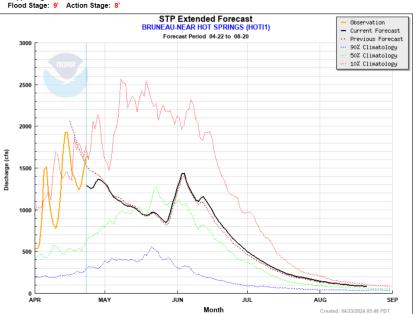




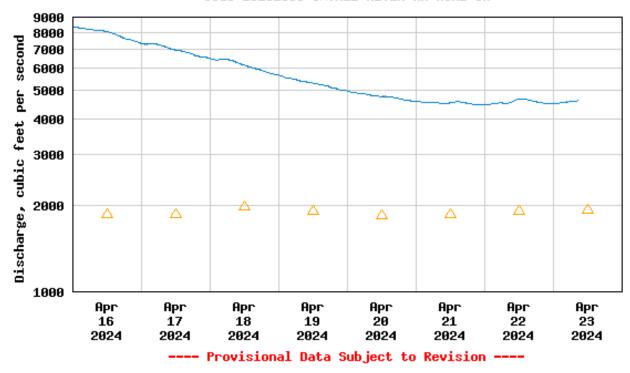
#### **BRUNEAU--NEAR HOT SPRINGS**

State: Idaho County: OWYHEE Latitude: 42 46' 15" North Longitude: 115 43' 13" West

Elevation: 2599 feet Supporting WFO: Boise



## April 23, 2024 Owyhee Snow2Flow Update



△ Median daily statistic (74 years) — Discharge

Create presentation-quality / stand-alone graph. Subscribe to WaterAlert

See this graph on the Monitoring Location Pages

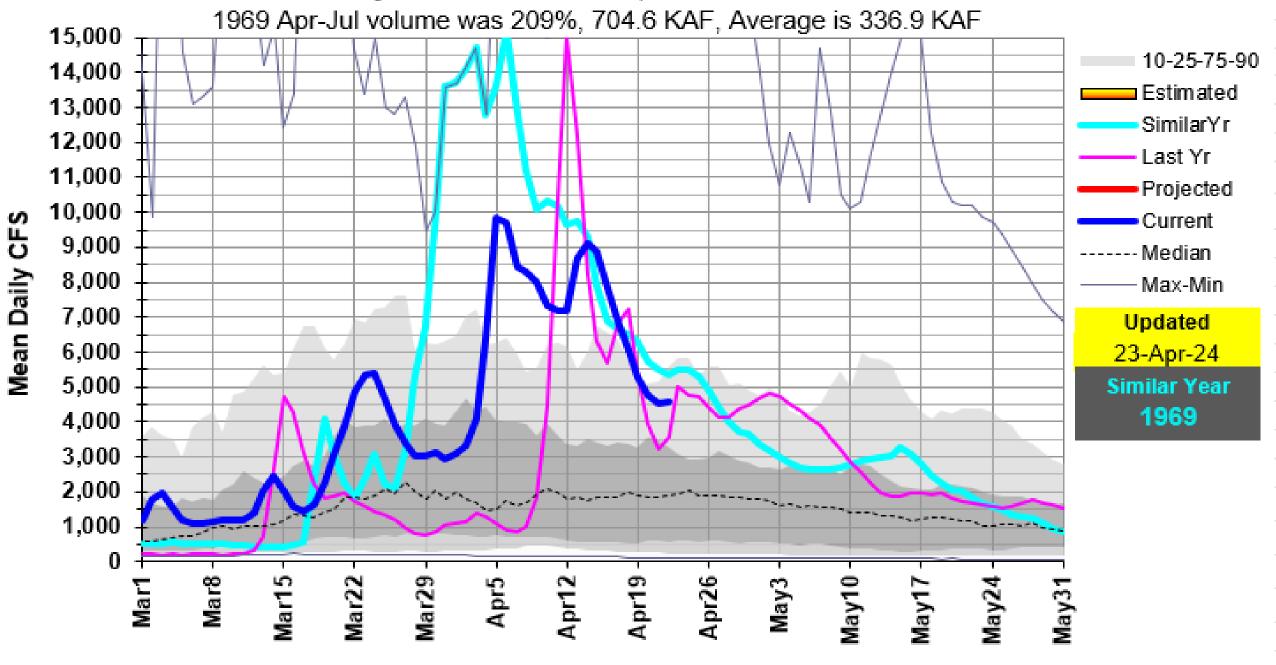
### Share this graph |

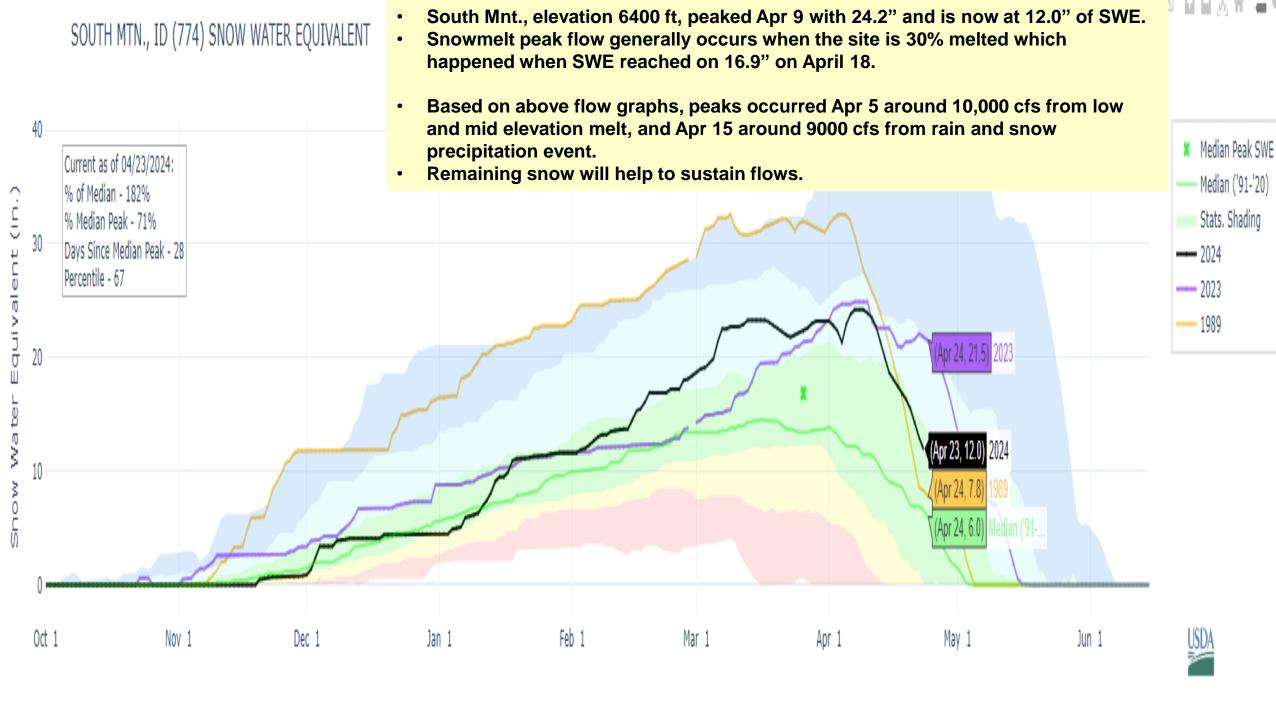
# Daily discharge, cubic feet per second -- statistics for Apr 23 based on 74 water years of record more

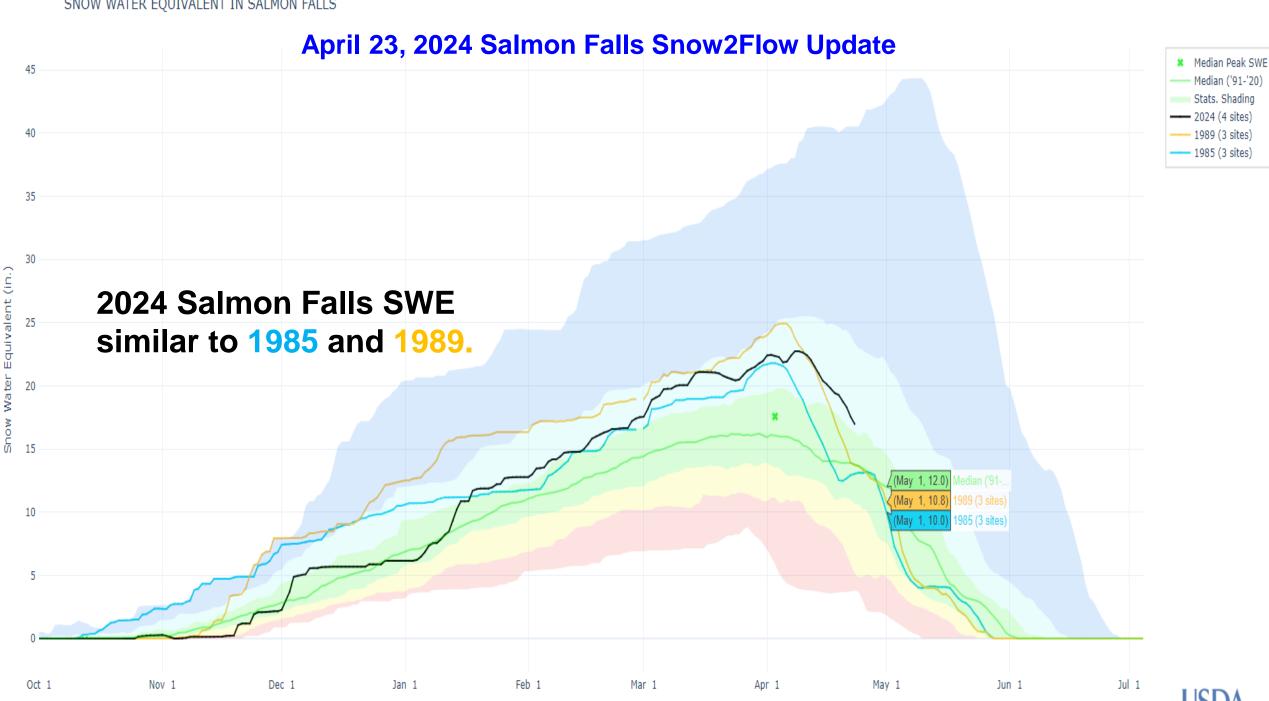
	25th			75th	Most Recent	
II I	percen-	1 1	1	•	Instantaneous	
(1992)	tile	Median	Mean	tile	Value Apr 23	(1952)
126	612	1920	2520	3060	4620	17800

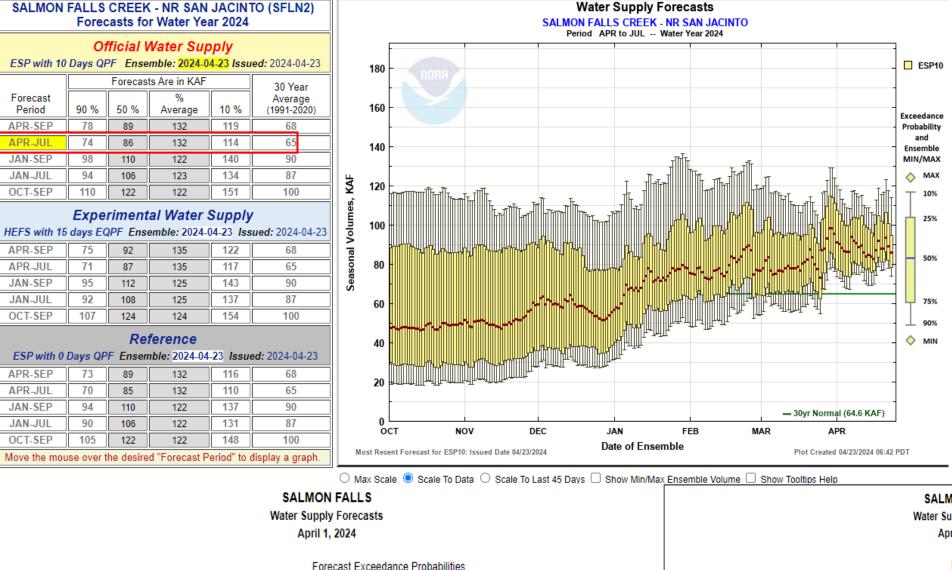
13181000: Owyhee R near Rome, OR 1989 Apr-Jul volume was 102%, 345.3 KAF, Average is 336.9 KAF 15,000 10-25-75-90 14,000 Estimated 13,000 SimilarYr 12,000 Last Yr 11,000 Projected 10,000 Current 9,000 - Median **Mean Daily** 8,000 Max-Min 7,000 Updated 6,000 23-Apr-24 5,000 Similar Year 1989 4,000 3,000 2,000 1,000 0 Mar15 Mar29 May10 Apr5 May3 Mar1

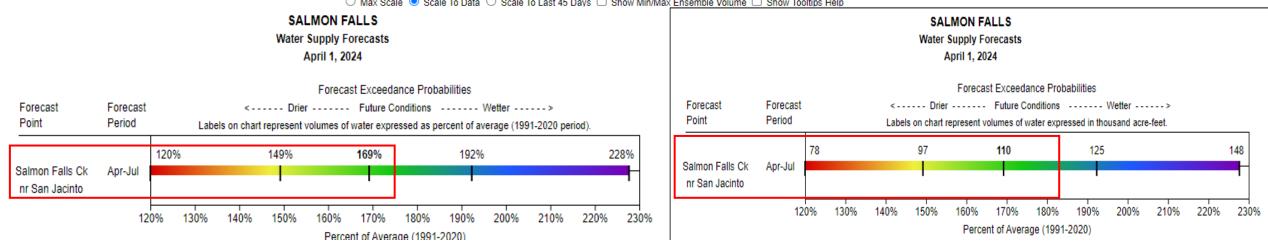
13181000: Owyhee R near Rome, OR

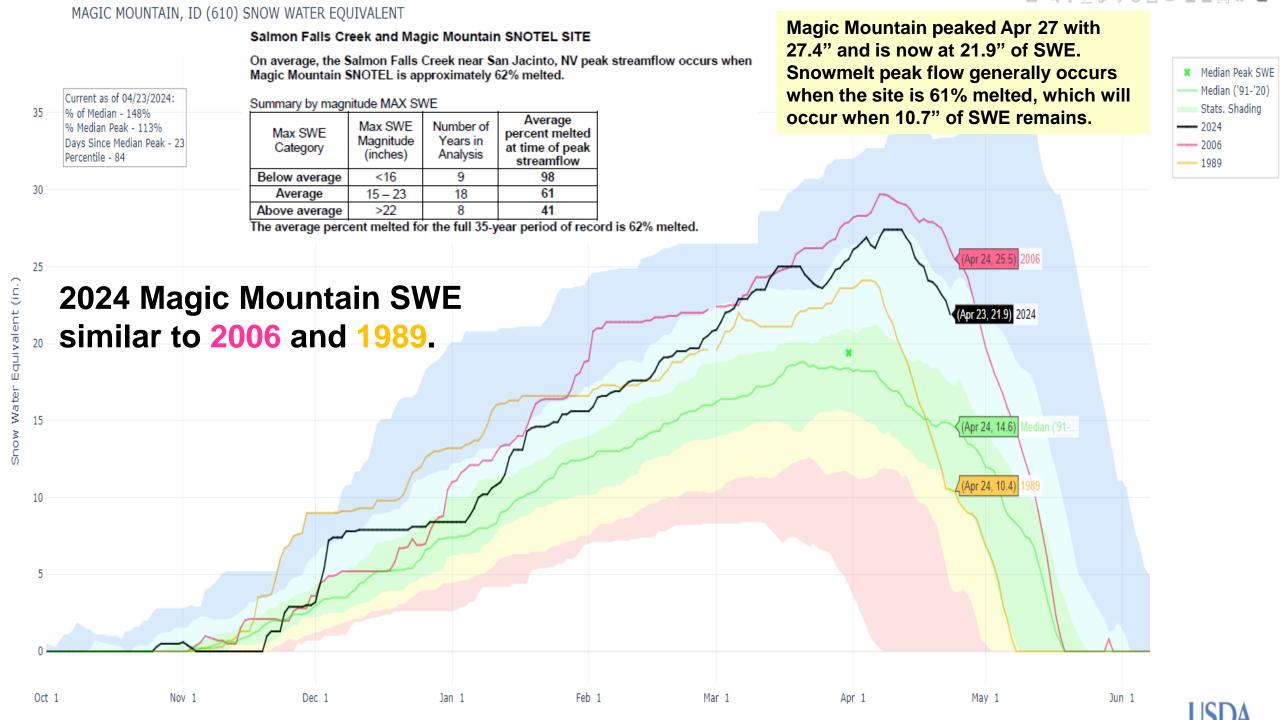


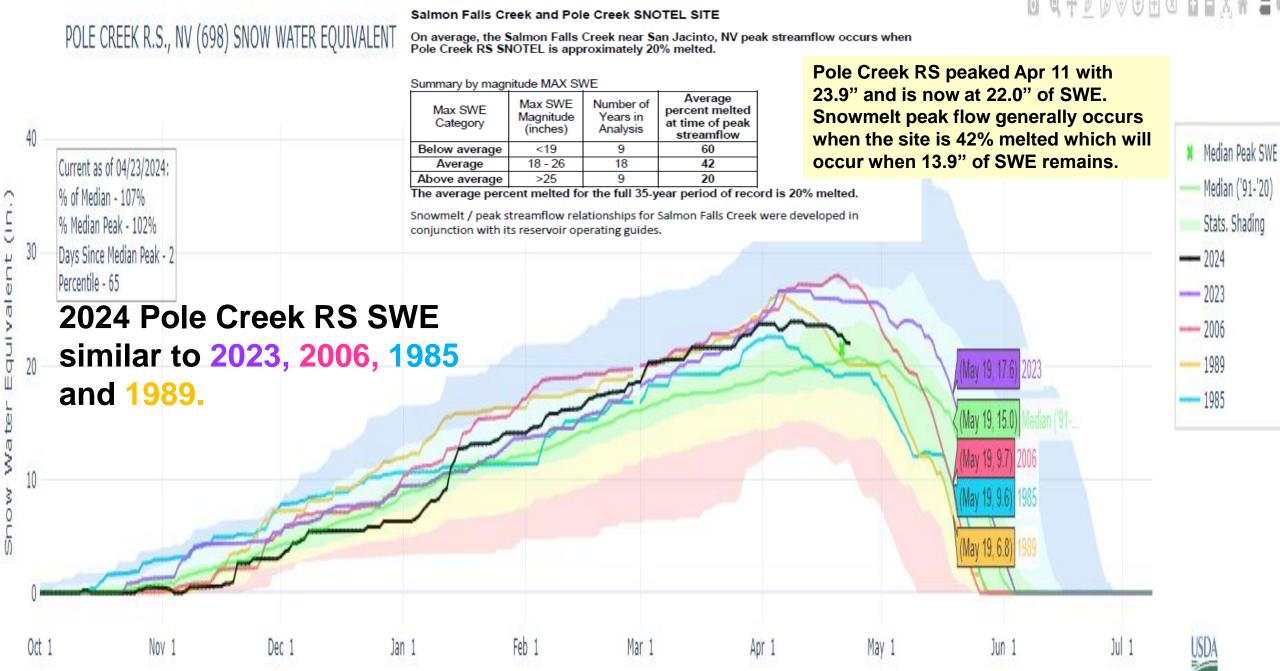


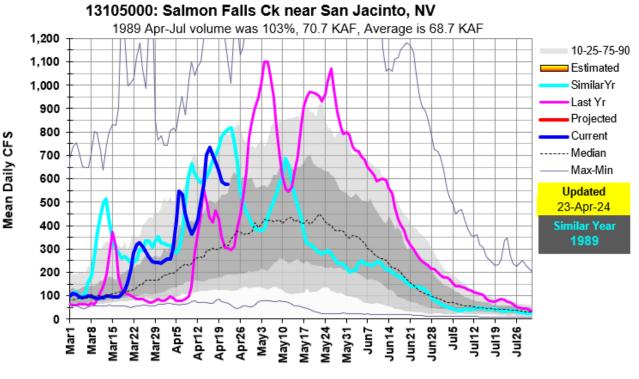


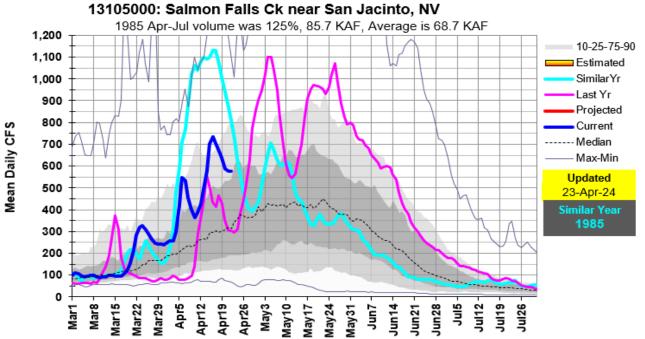








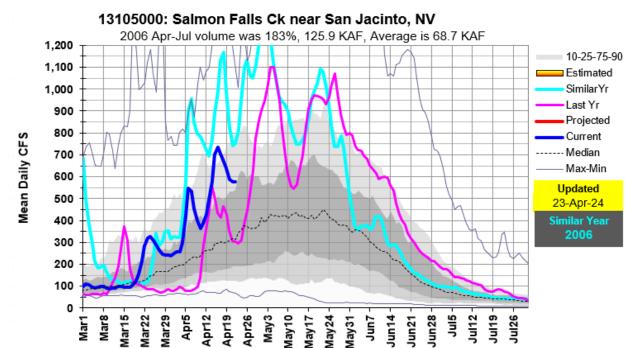




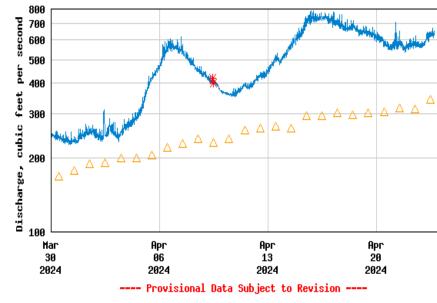
Snow2Flow Relationship shows another peak or increase from remaining snow to melt is still to come. Future weather will determine if next peak exceeds the Apr 16 peak of 736 cfs.

Apr-Jul volume for both years, 1985 and 1989, was 85 and 70 KAF. This falls in line with NWS volume 86 KAF from Apr 23 forecast.

2006 runoff volume was much higher at 129 KAF which is closer to NRCS's Apr 1 volume forecast of 110 KAF.



#### USGS 13105000 SALMON FALLS CREEK NR SAN JACINTO NV



 $\triangle$  Median daily statistic (109 years) imes Measured discharge — Discharge

Create presentation-quality / stand-alone graph. Subscribe to @ WaterAlert

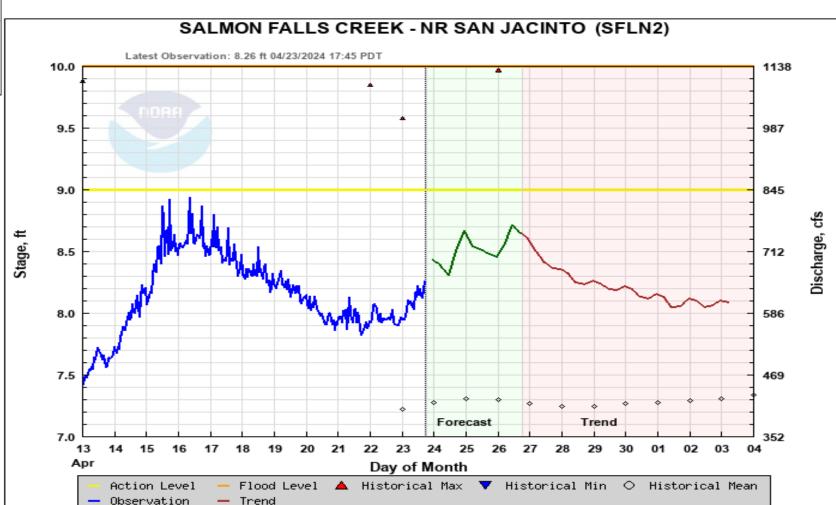
See this graph on the Monitoring Location Pages

#### Share this graph

Daily discharge, cubic feet per second -- statistics for Apr 23 based on 111 water years of record more

	25th			75th	Most Recent	
Min (1934)	percen- tile	1			Instantaneous Value Apr 23	I
59.0	191	342	406	605	650	1010

NWS short term forecast and trend shows another peak this week.



Forecast Created: 04/23/2024 16:49 PDT Plot Created: 04/23/2024 18:41 PDT