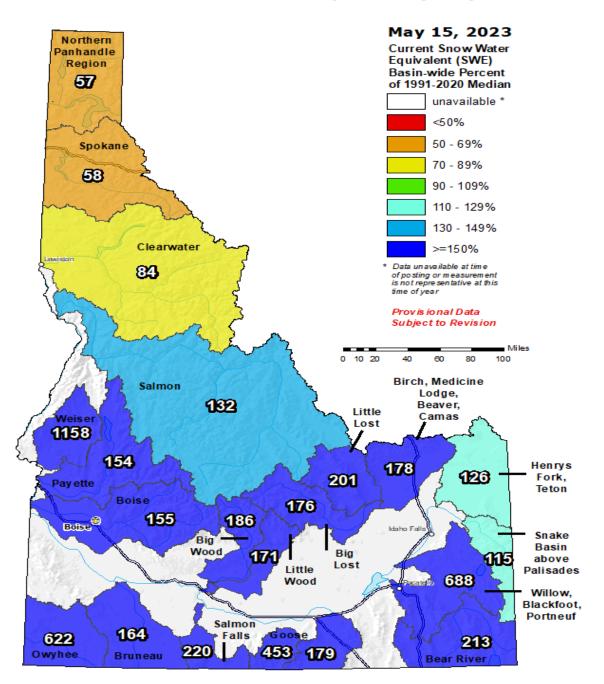
laho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



May 16, 2023, Snow2Flow Update for Big Lost & Big Wood Rivers

For complete Snow to Flow Relationships see

Snow Melt / Peak Streamflow

Relationships (PDF; 146 KB) - Report by Kara
Ferguson (2017) summarizing the relationship
between snowmelt and peak streamflow timing
on rivers throughout Idaho.

From:

https://www.nrcs.usda.gov/wps/portal/wcc/home/quicklinks/states/idaho/watersupply/peak

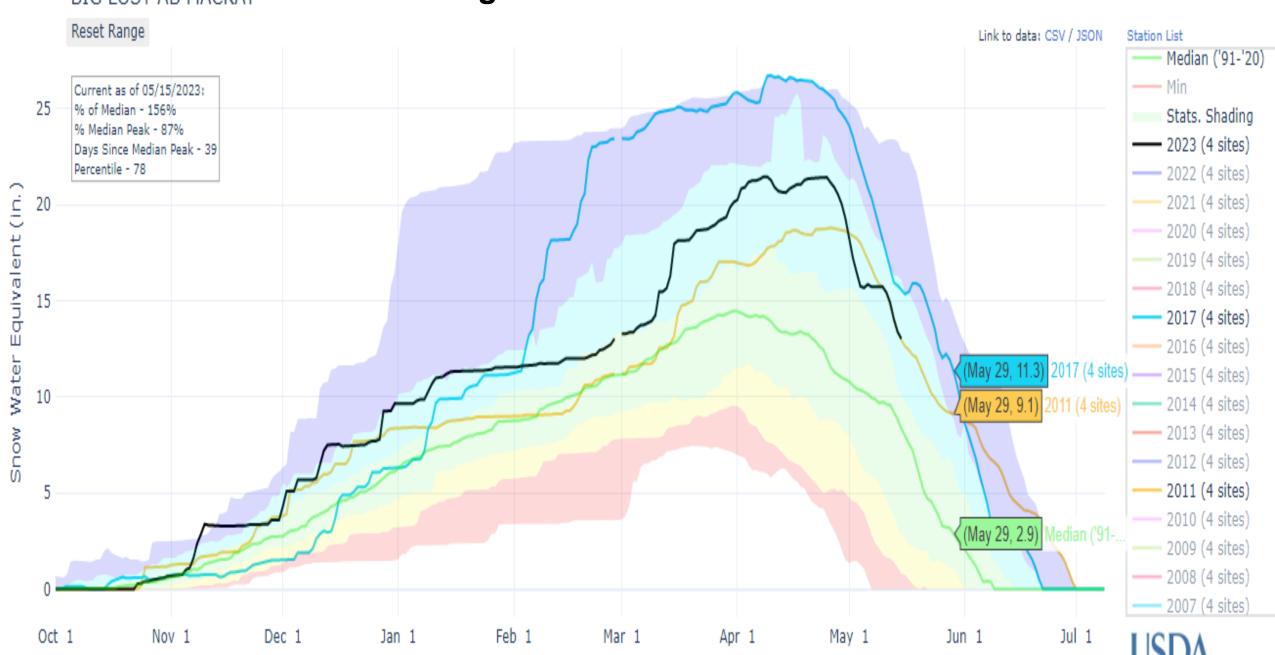
And NWS peak flow products and forecasts:

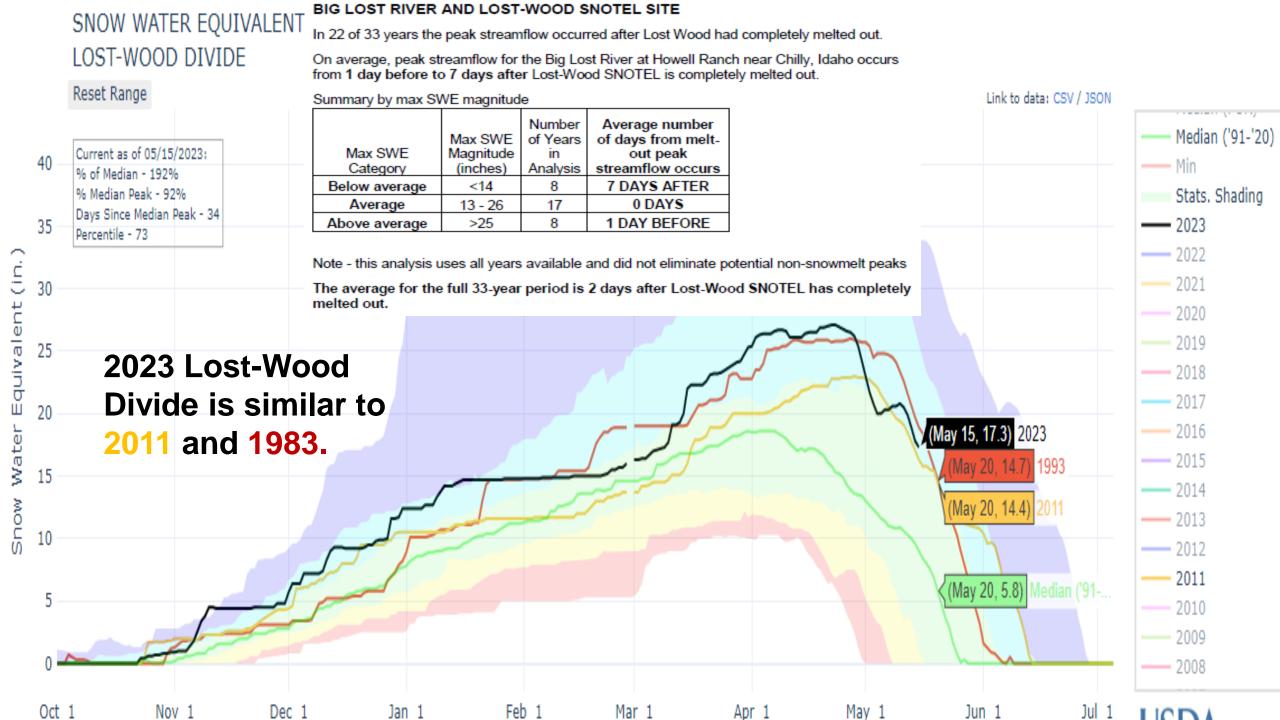
Peak Flow and Stage Forecasts from NWS

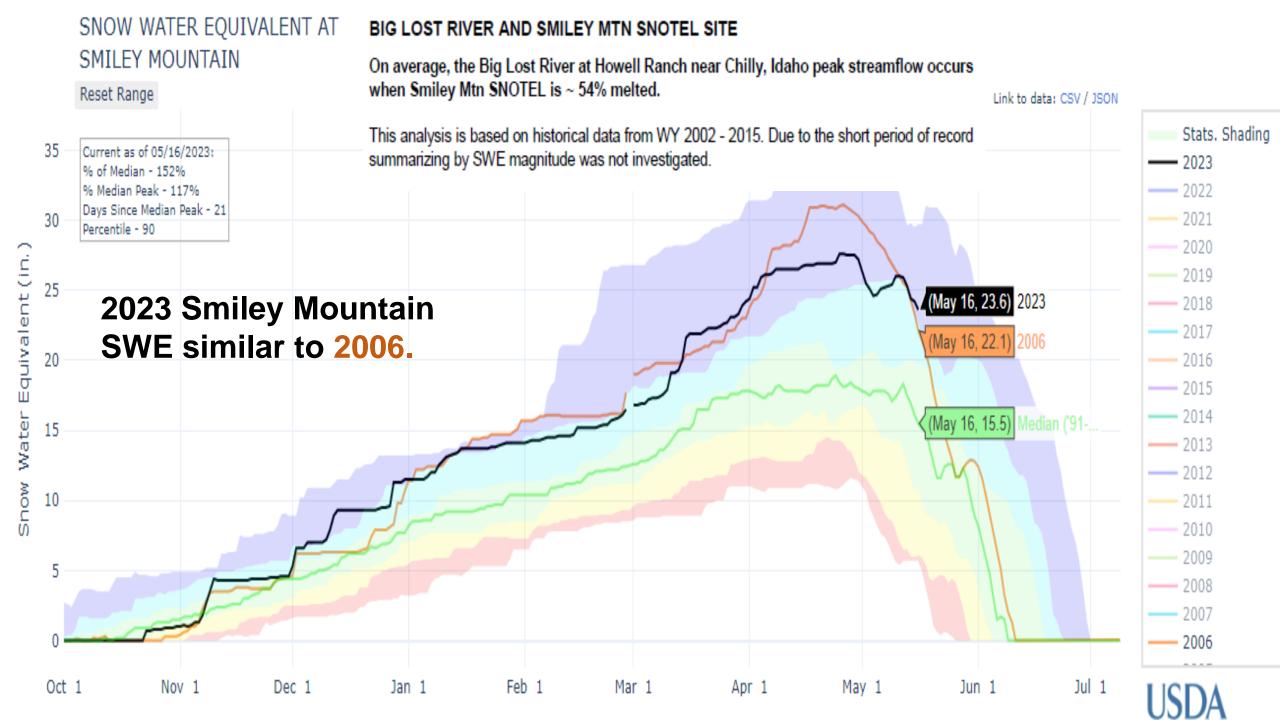
Watch the weather and know your boating limits as rivers will be high for an extended period.

SNOW WATER EQUIVALENT IN BIG LOST AB MACKAY

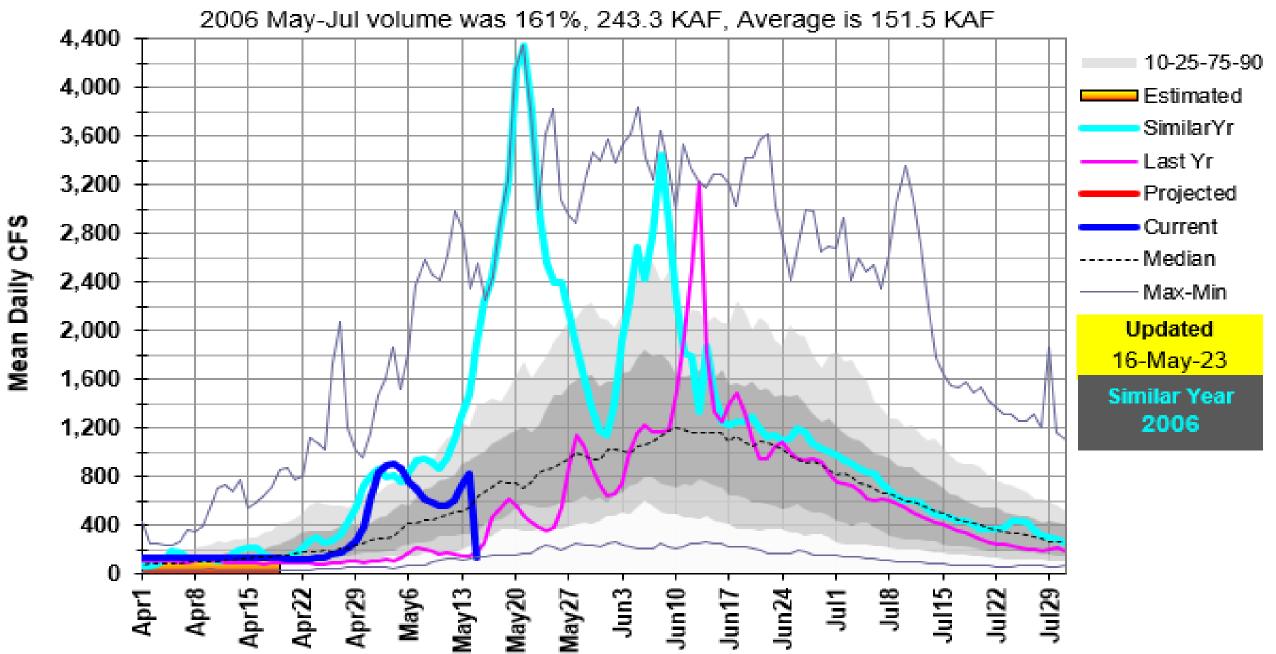
2023 Big Lost SWE is similar to 2011 and 2017.



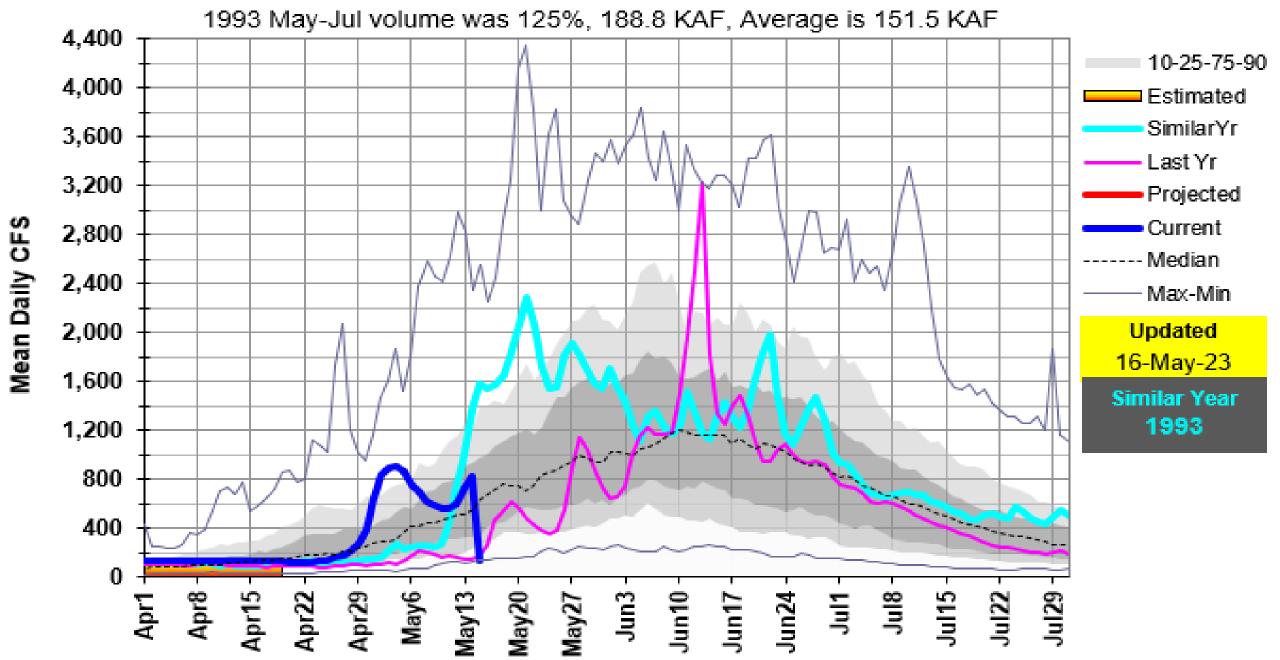




13120500: Big Lost R at Howell Ranch near Chilly, ID



13120500: Big Lost R at Howell Ranch near Chilly, ID

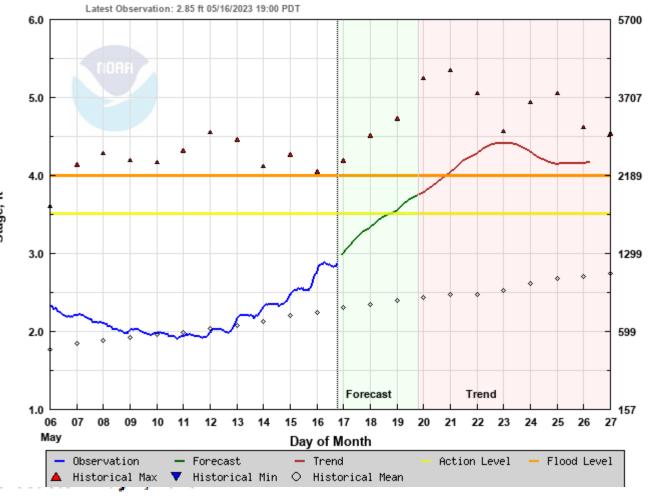


Based on Lost-Wood Divide Snow2Flow relationship – peak flows occurs around melt out. Currently about 17" remains to melt and feed the rivers.

May 1 Big Lost River at Howell Ranch volume forecasts ranges from 184 to 275 KAF with the 50% chance exceedance forecast at 230 KAF.

May - July runoff volume in 1993 and 2006 were 188 and 243 KAF.

BIG LOST - AT HOWELL RANCH NEAR CHILLY (HWRIT)



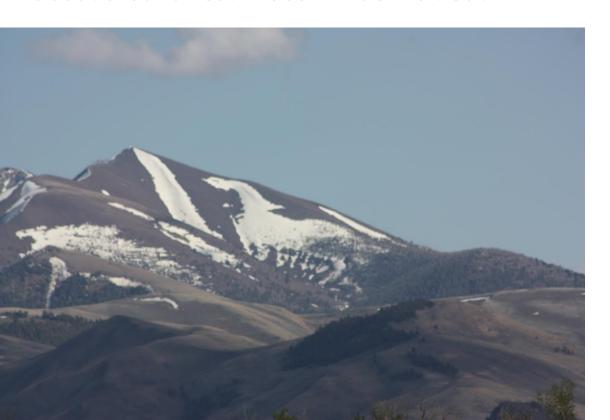
Wood and Lost Basins Streamflow F

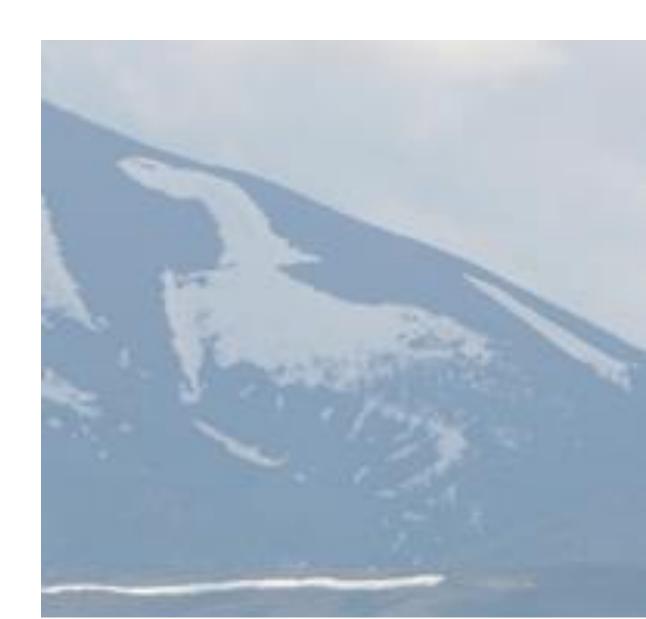
	Forecast Exceedance Probabilities for Risk Assessment							
		<drierwetter></drierwetter>						
Forecast Point	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Med (KAF)
Camas Ck at Camas	MAY-JUL	25	33	40	367%	47	59	10.9
Little Lost R bl Wet Ck nr Howe	MAY-JUL	24	28	31	135%	34	38	23
	MAY-SEP	20	35	38	141%	42	47	27
Big Lost R at Howell Ranch	MAY-JUL	184	210	230	184%	250	275	125
	MAY-SEP	205	235	255	182%	275	310	140

The Big Lost White Stallion When you see it, means the snow melt peak flow is occurring.

Picture taken June 8, 2006

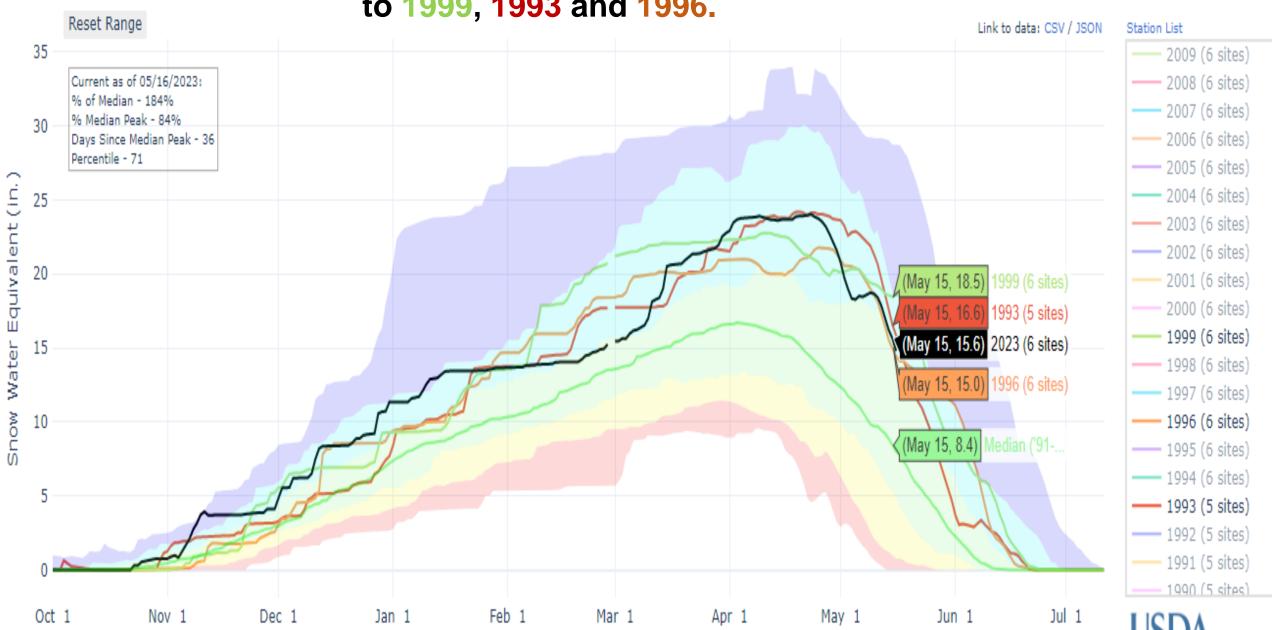
- Lost-Wood Divide had SWE of 0.0" first day melted out
- SNOTEL analysis shows Big Lost peak flow occurs about around Lost-Wood Divide melt out

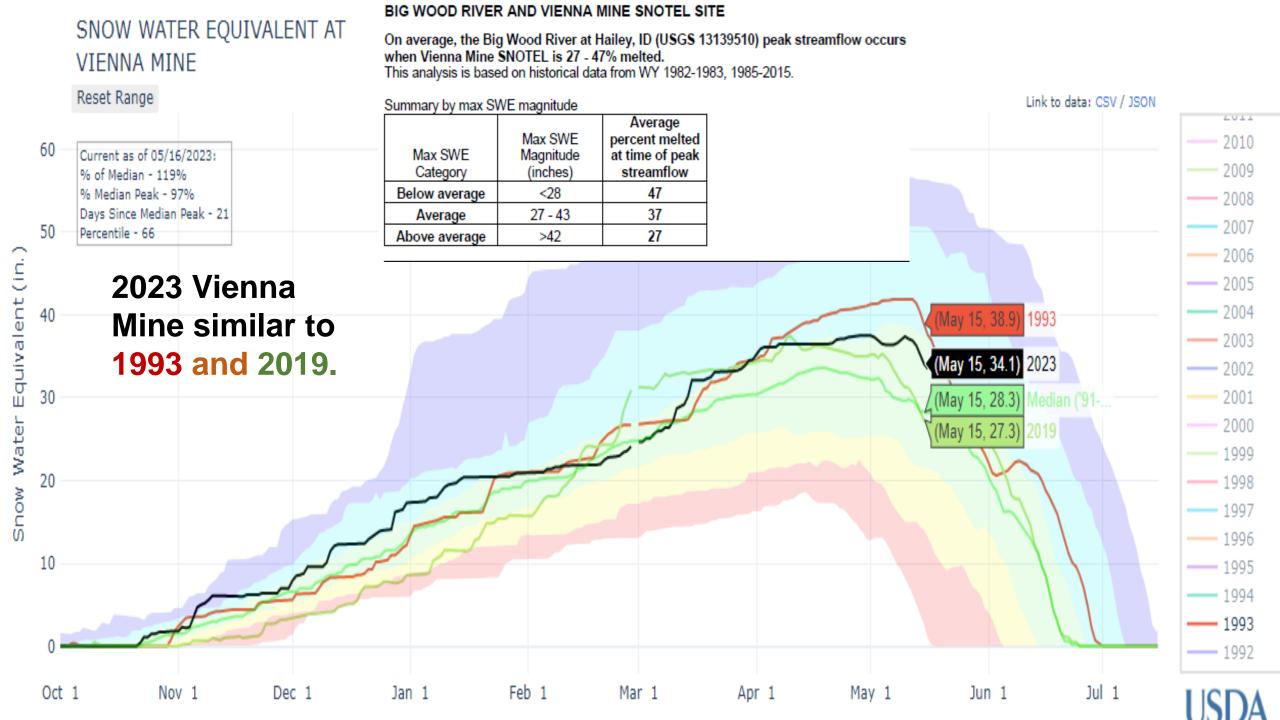


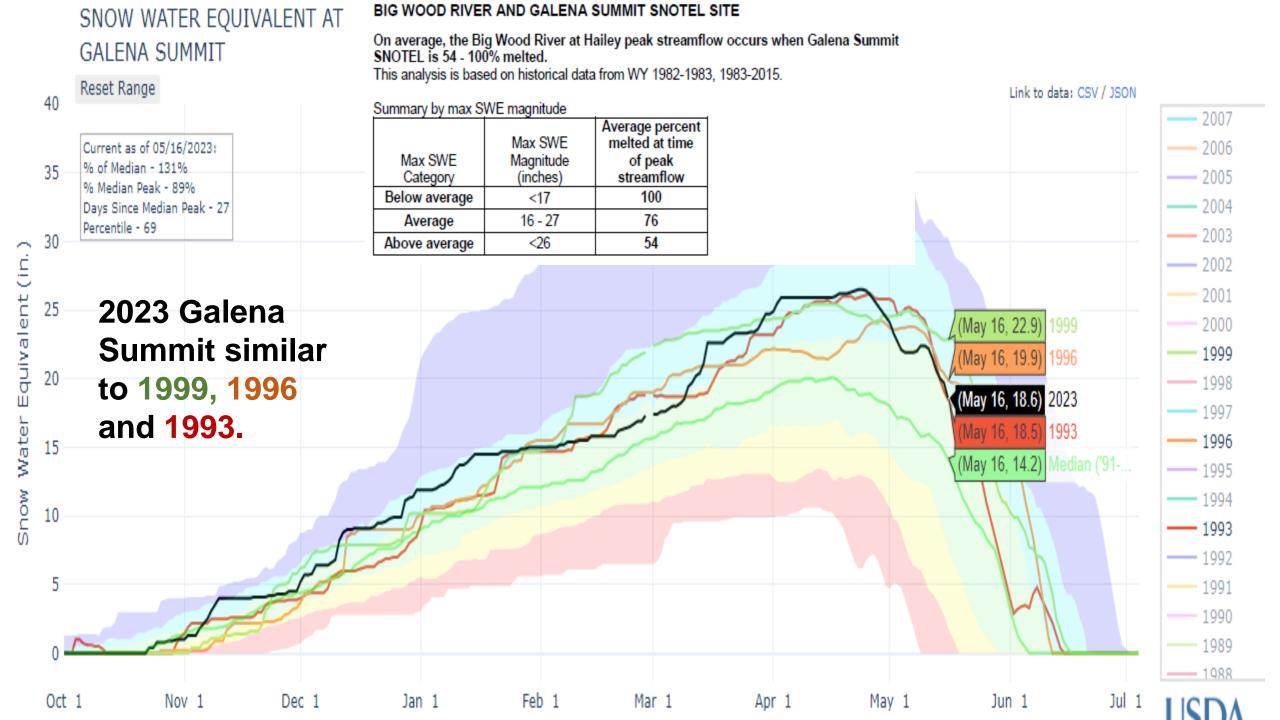


SNOW WATER EQUIVALENT IN BIG WOOD AB HAILEY

2023 Big Wood SWE is similar to 1999, 1993 and 1996.





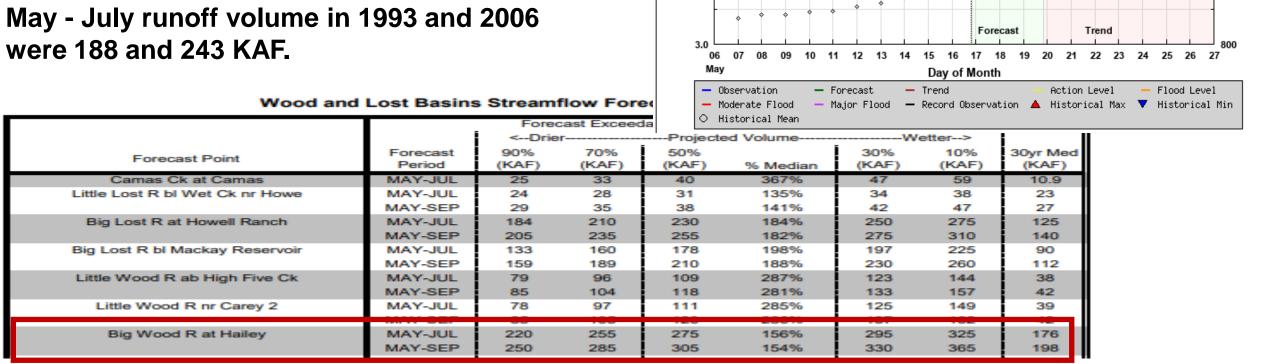


Based on Vienna Mine Snow2Flow relationship peak flows occurs around 37% melted.

Based on Galena Summit Snow2Flow relationship – peak flows occurs around 76% melted.

May 1 Big Wood River at Hailey volume forecasts ranges from 220 to 325 KAF with the 50% chance exceedance forecast at 275 KAF.

were 188 and 243 KAF.



6.0

5.0

BIG WOOD - AT HAILEY (HALI1)

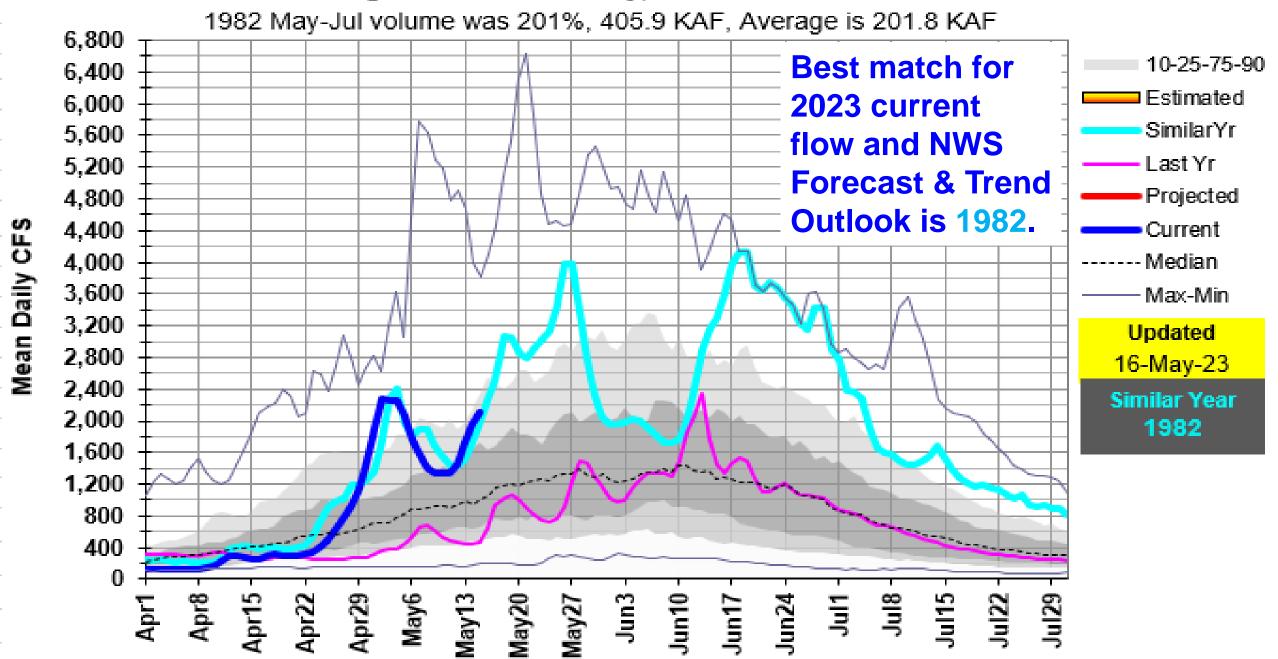
4343

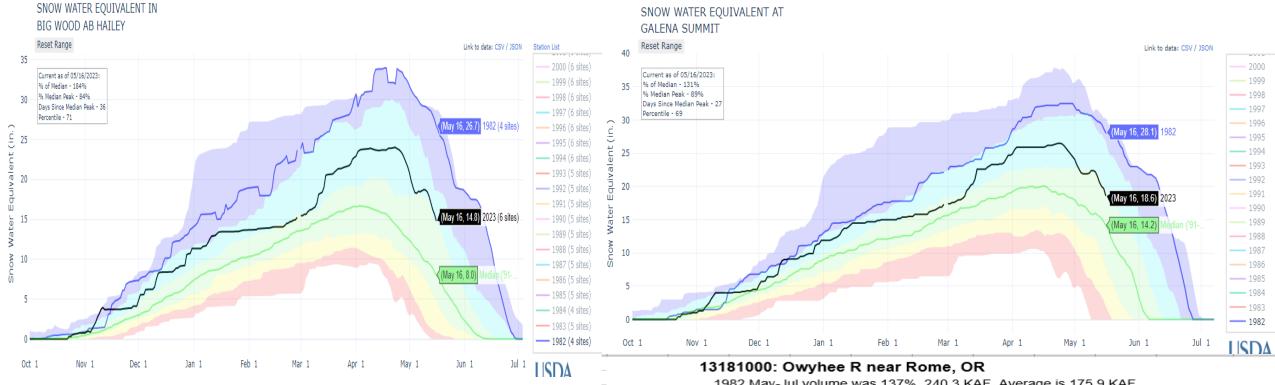
3161

1397

Latest Observation: 5.44 ft 05/16/2023 18:45 PD7

13139510: Big Wood R at Hailey, ID Total Flow





1982 had more snow than 2023. Current Big Wood River flow pattern tracks 1982. A cool spell slowed the melt and decreased the flows in 1982. 2nd peak was from melt of remaining snow after the cool spell.

FYI - Owyhee Snow and Flow both tracked 1982, possible reason may be similar spring weather.

