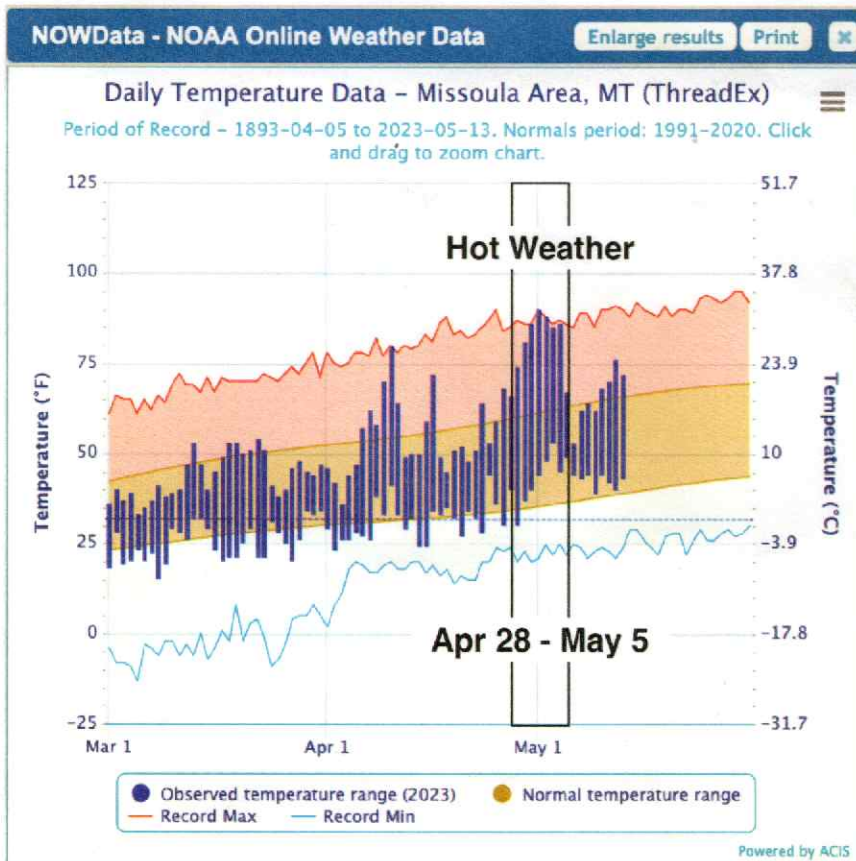


Spring 2023 Water Users Meeting Flathead Indian Irrigation Project



Warm temps during late April-early May generated a large runoff pulse, largely from the loss of low-elevation snowpack in the Mission Mts.

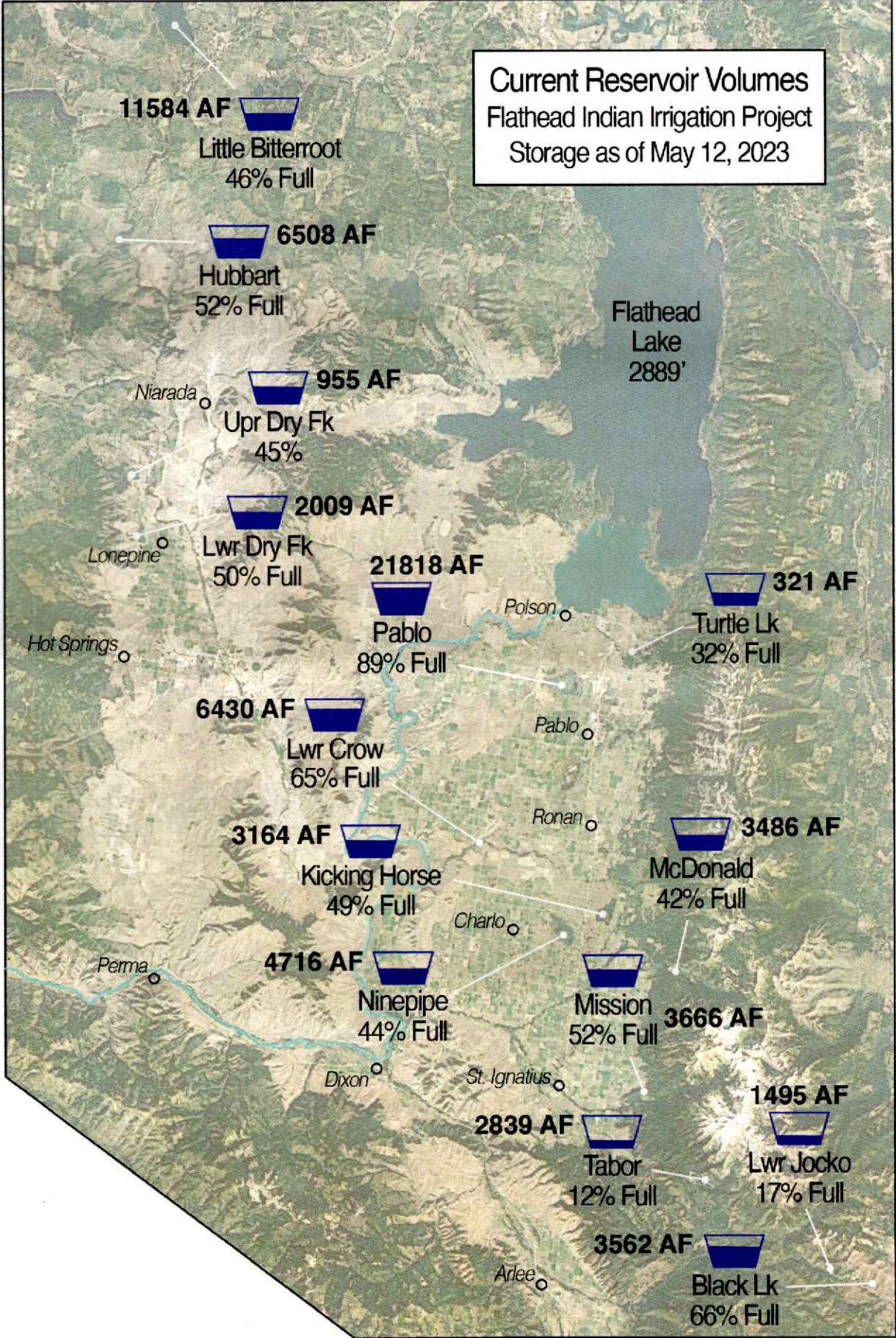
Stream flows increased abruptly in response, but have since moderated a bit.

Crews are working to finish debris cleanout from canals, various blowout repairs, and are filling reservoirs.

In June, FIIP will begin releasing water to streams and maintain a schedule of bankfull flows to improve channel form and Bull Trout habitat.

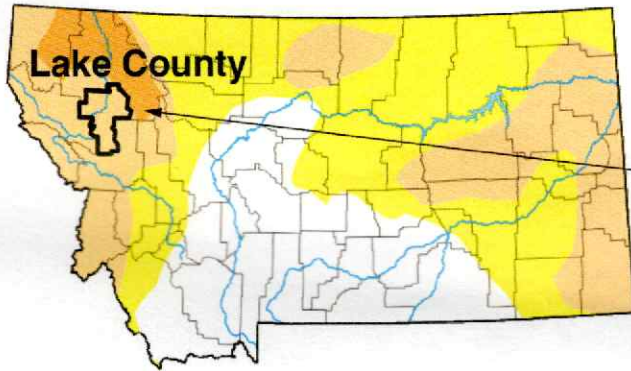
The one-month outlook indicates normal precip and higher than normal temps for NW Montana. The three-month outlook predicts normal temps and below average precip. High temps and loss of high snowpack is anticipated.

Current Reservoir Volumes
Flathead Indian Irrigation Project
Storage as of May 12, 2023



Montana Drought Monitor

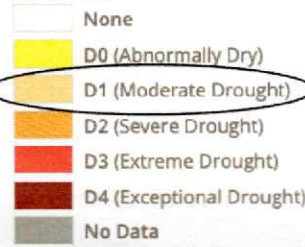
droughtmonitor.unl.edu



Map released: Thurs. May 11, 2023

Data valid: May 9, 2023 at 8 a.m. EDT

Intensity



Anomalously wet and cool weather through the beginning of May. Slightly drier weather predicted through the 2023 irrigation season for western Montana.

Soil Moisture Anomaly as of April 2023

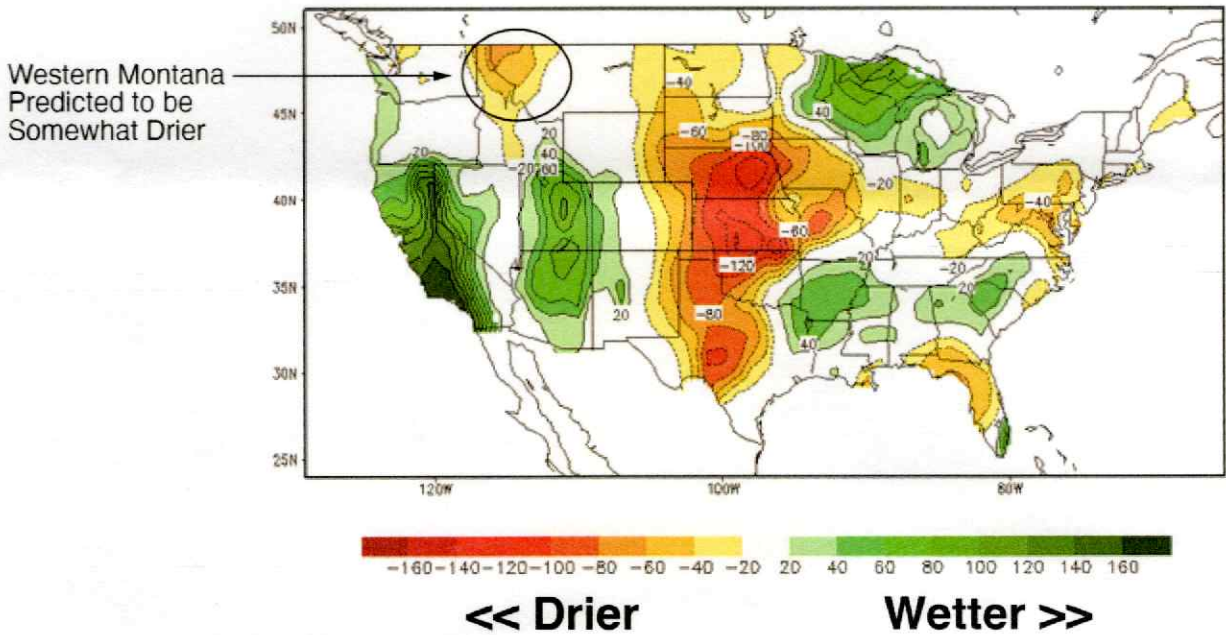


Table 1: Water Year and NRCS Streamflow Forecast*

Gage Site	NRCS Streamflow Forecast, April- July 2023				Site-Specific Water Year Thresholds		
	70%	50%	30%	% Median	Wet Year	Normal Year	Dry Year
South Fork Jocko near Arlee	36,000	40,000	44,000	114%	>36,000	24,000 - 36,000	<24,000
Mission Creek near St. Ignatius	26,000	29,000	31,000	112%	>29,000	21,100 - 29,000	<21,100
South Crow Creek near Ronan	10,500	11,600	12,700	114%	>11,800	7,700 - 11,800	<7,700
Mill Creek above Bassoon Creek near Niara	3,800	4,600	5,400	98%	>4,900	2,200 - 4,900	<2,200

Wet
Normal
Dry

Source: CSKT 2023 Water Supply Outlook

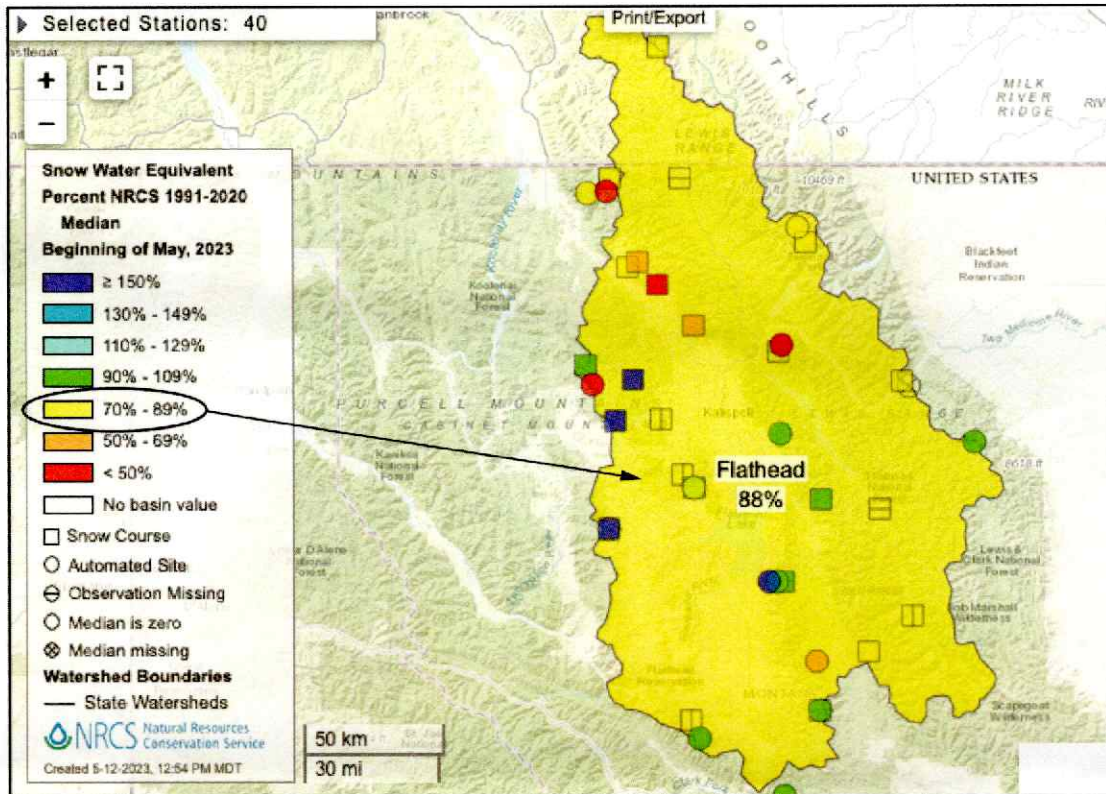
*all values are in acre feet

Early conditions indicate 2023 is a Normal to Dry Year.

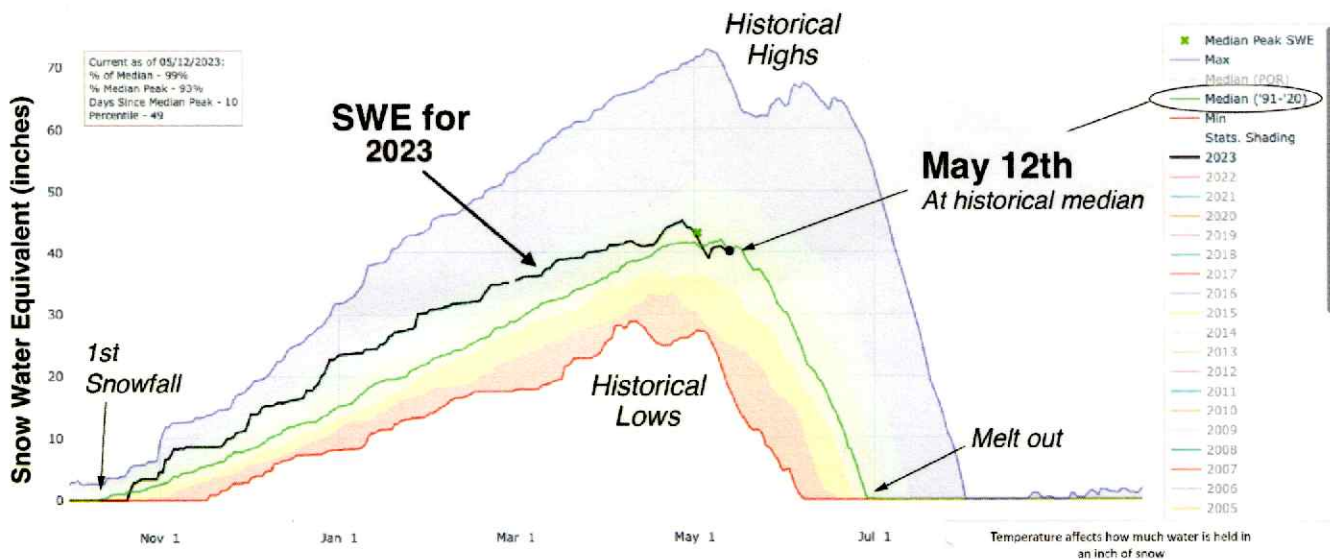
Oct-April precip = 82%
April precip = 72%

Management of instream flows will conport with Normal to Dry Year values and other interim period guidelines.

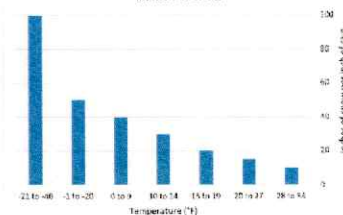
Flathead Basin = 88% of Median Snow Water Equivalent as of May 1, 2023



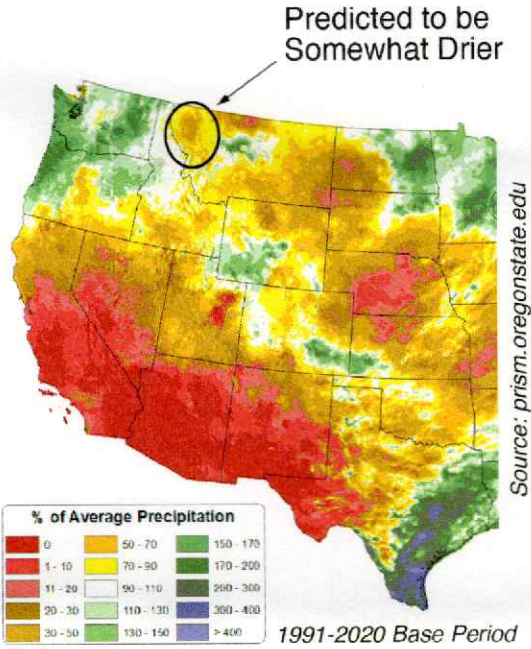
Snow Water Equivalent - Moss Peak SNOTEL



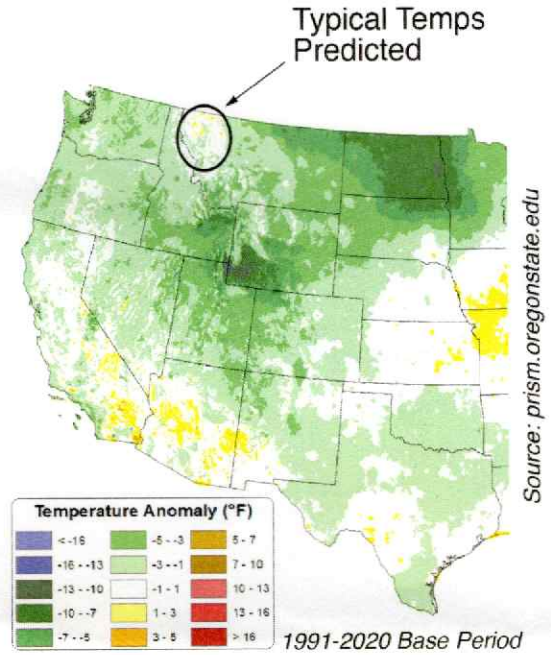
Snowpack at the North Fork Jocko SNOTEL site is trending slightly below normal as of May 1. North Fork Jocko is at 88% of the historical median. Other SNOTEL sites in the region indicate similar trends. Melt accelerated during recent warm spell in late April-early May.



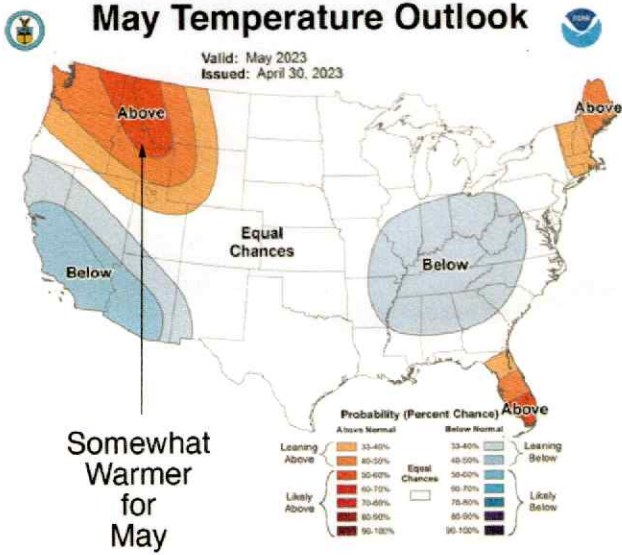
Precipitation Anomaly April 2023



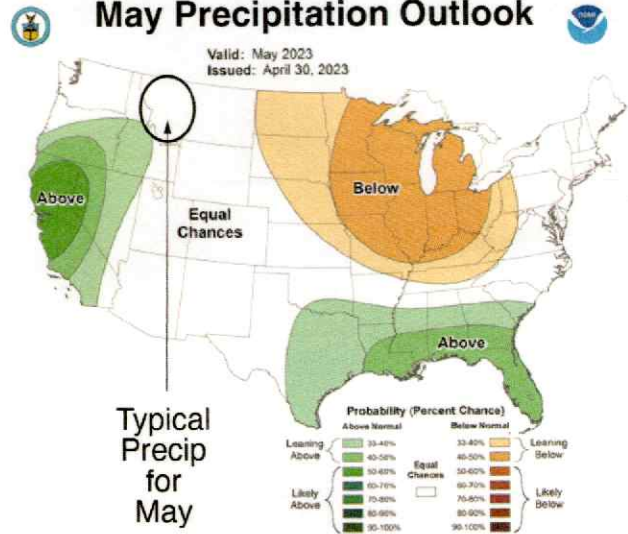
Temperature Anomaly April 2023

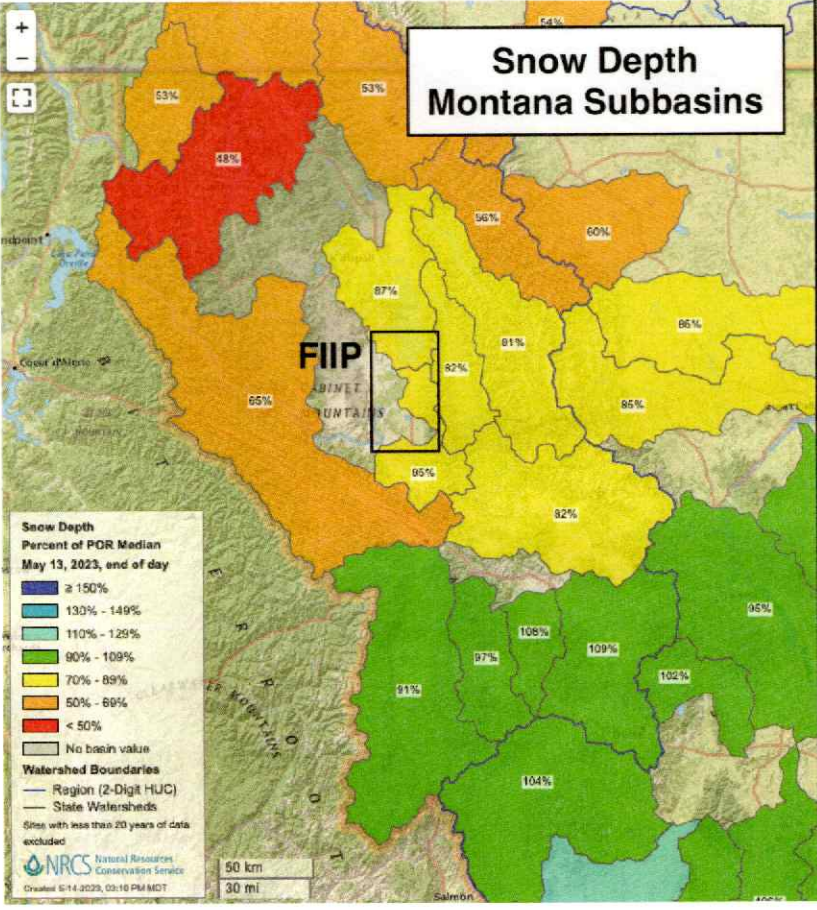
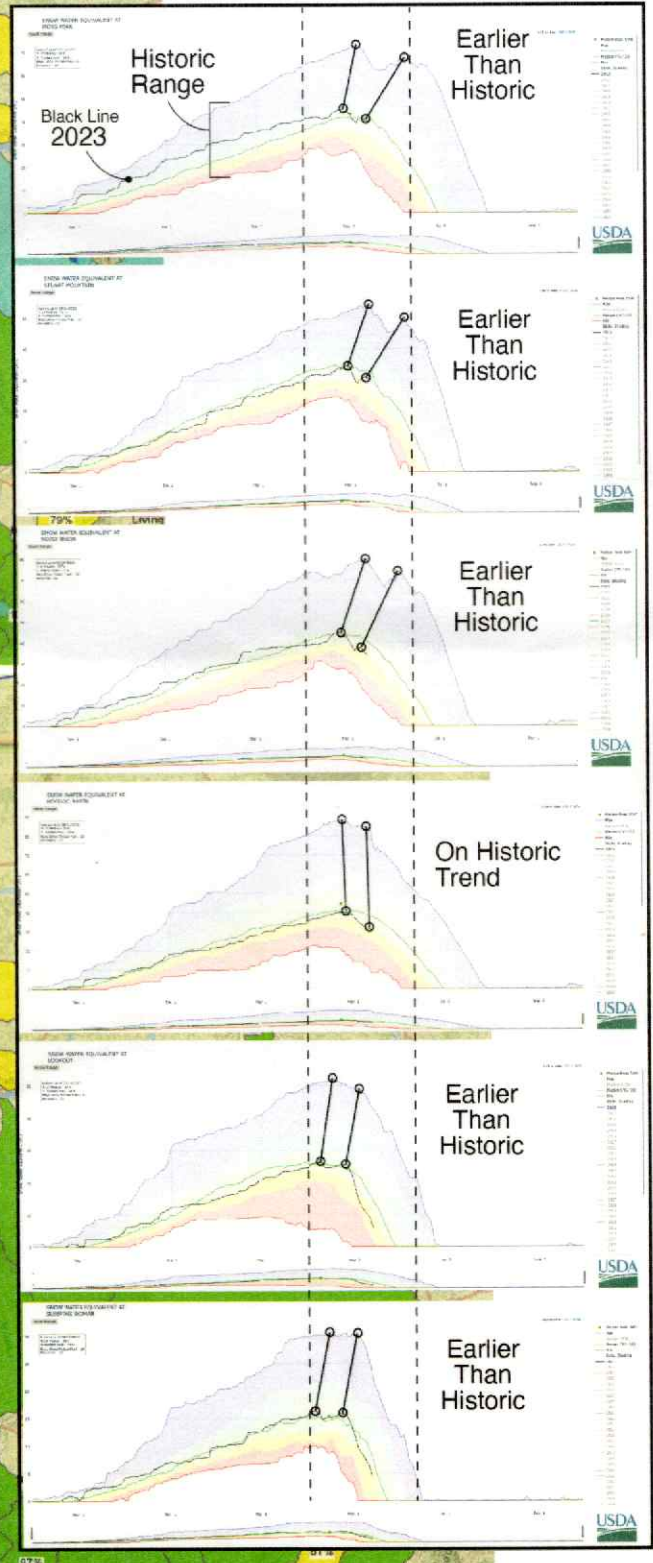
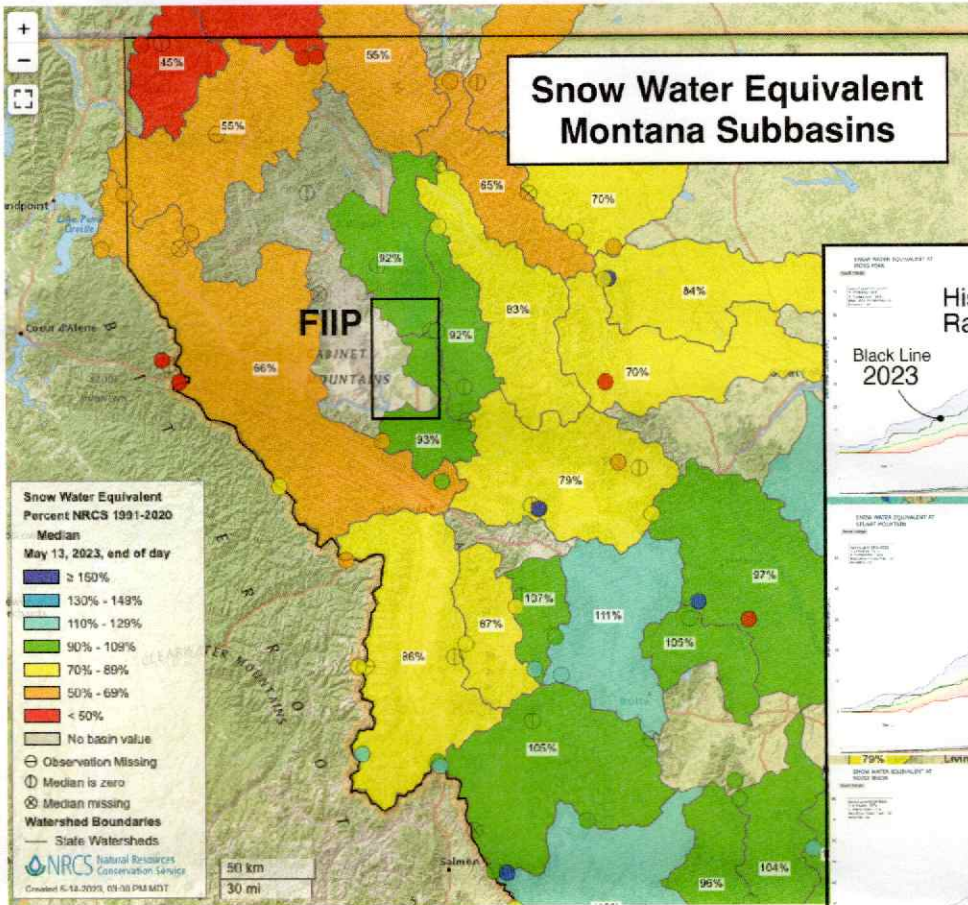


May Temperature Outlook



May Precipitation Outlook





Stream and Canal Activity

Example Flow Curves & Peak SWE

Apr 14-May 14, 2023

