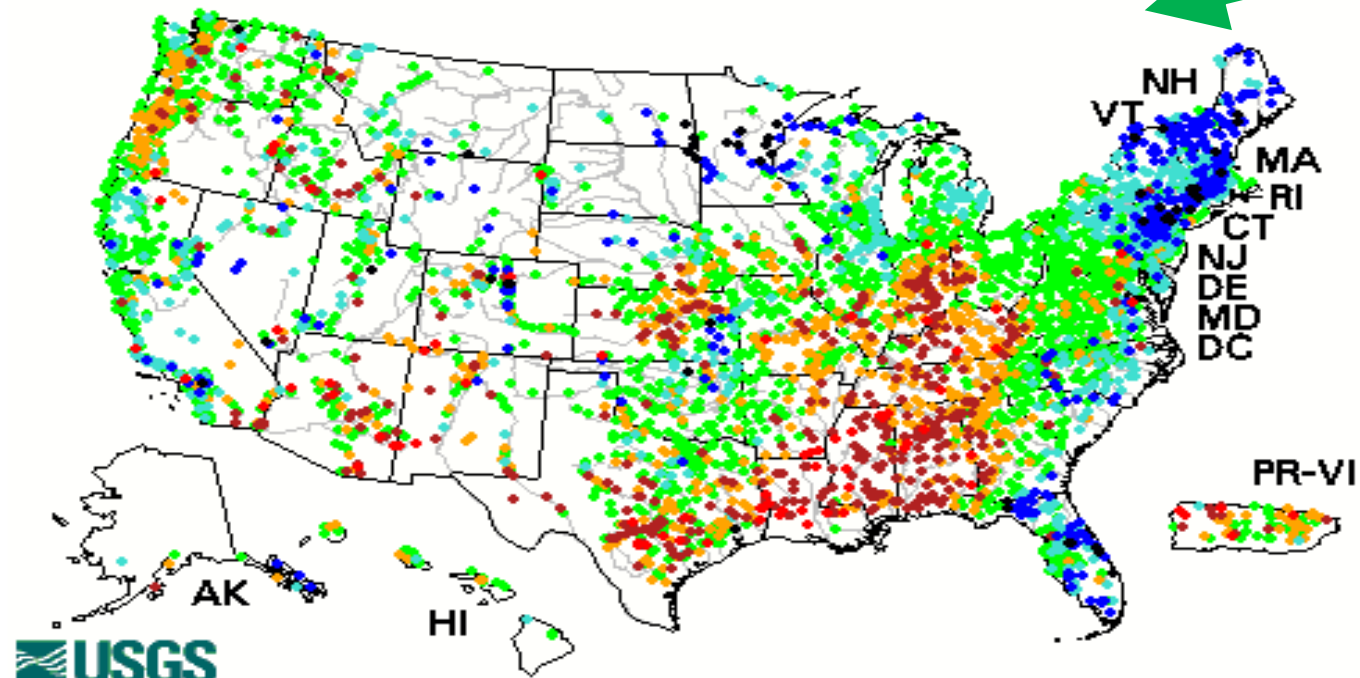


Daily Streamflow Conditions

Sunday, December 31, 2023 17:30ET



Explanation

- High
- > 90th percentile
- 76th - 90th percentile
- 25th - 75th percentile
- 10th - 24th percentile
- < 10th percentile
- Low
- Not ranked

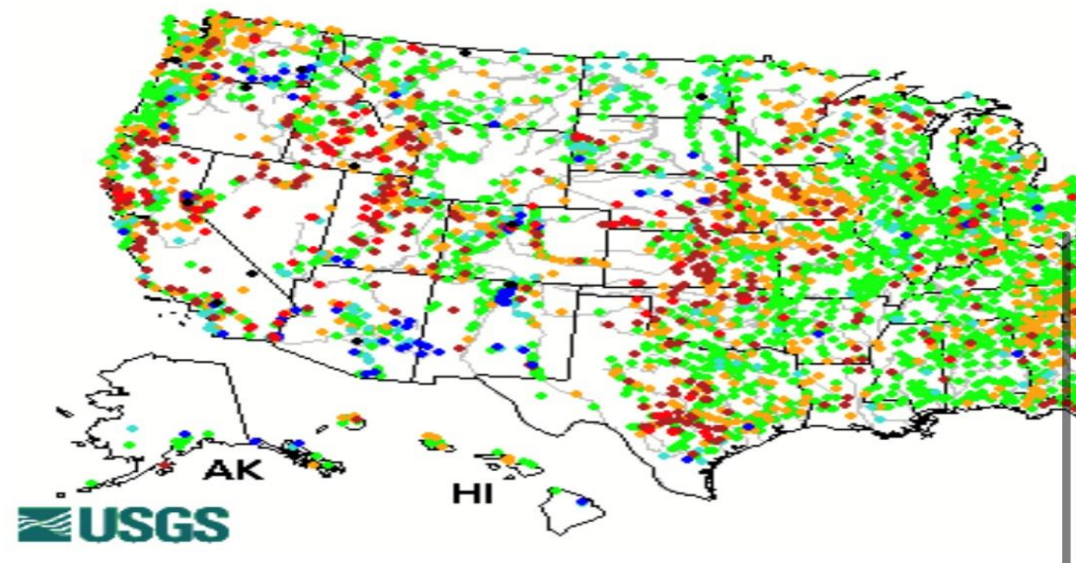
Dec 31, 2023 Fall Base Flows

Fall 2023 flows near to above normal while in **Fall 2022 were near record low** because of cold temps and early snowfall.

Nov 3, 2022 Fall Base Flows

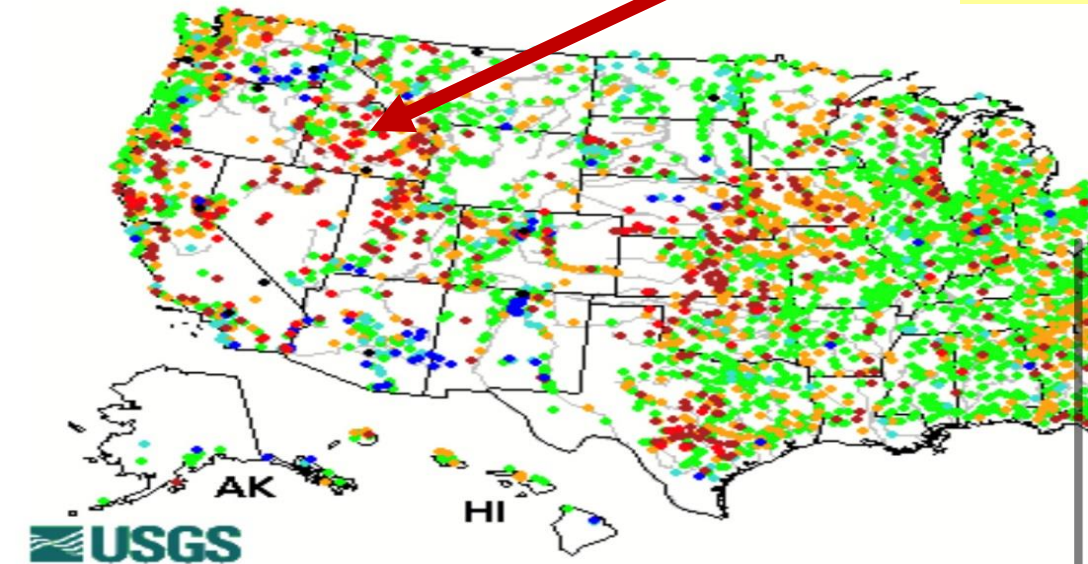
Daily Streamflow Conditions

Thursday, November 03, 2022 10:30ET



Daily Streamflow Conditions

Thursday, November 03, 2022

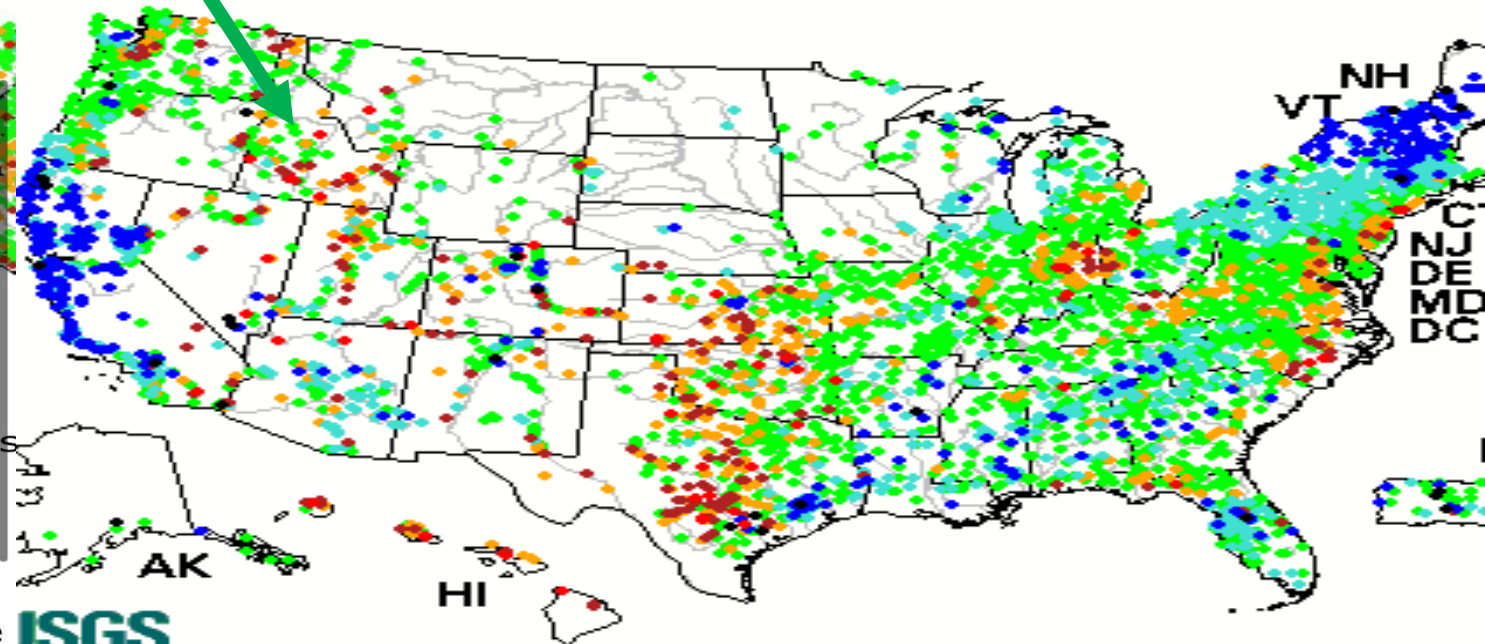


Nov 3 - many rivers near record low flows

Jan 8 - some rivers increased to near avg but did NOT pop to eliminate soil moisture deficit.

Daily Streamflow Conditions

Sunday, January 08, 2023 22:30ET



Explanation

- High
- > 90th percentile
- 76th - 90th percentile
- 25th - 75th percentile
- 10th - 24th percentile
- < 10th percentile
- Low
- Not ranked

The colored dots on this map depict streamflow conditions as a [percentile](#), which is computed from the period of record for the current day of the year. Only stations with at least 30 years of record are used.

The **gray circles** indicate other stations that were not ranked in percentiles either because they have fewer than 30 years of record or because they

USGS

Explanation

- High
- > 90th percentile
- 76th - 90th percentile
- 25th - 75th percentile
- 10th - 24th percentile
- < 10th percentile

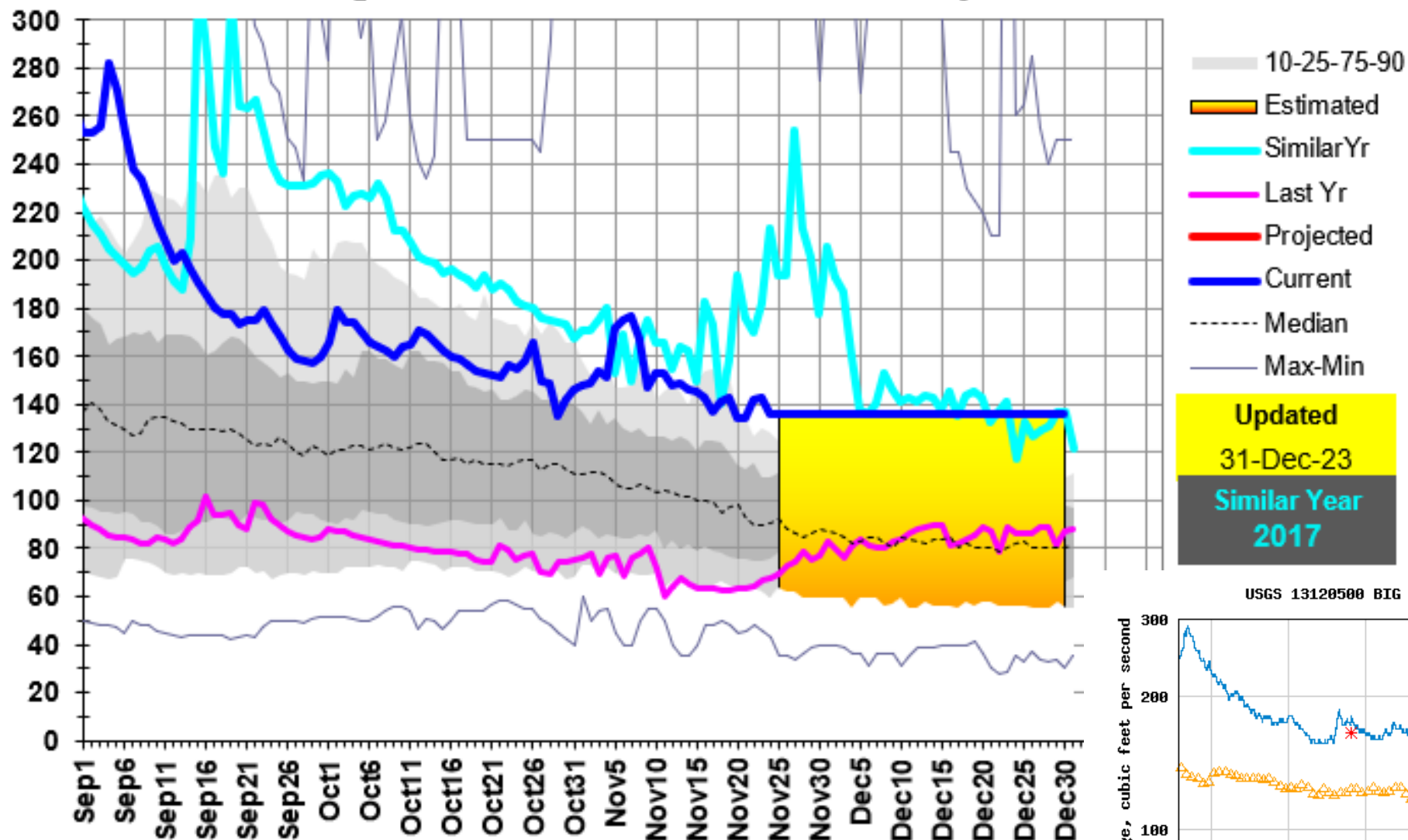
The colored dots on this map depict streamflow conditions as a [percentile](#), which is computed from the period of record for the current day of the year. Only stations with at least 30 years of record are used.

The **gray circles** indicate other stations that were not ranked in percentiles either because they have fewer than 30 years of record or because they have parameters other than streamflow.

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

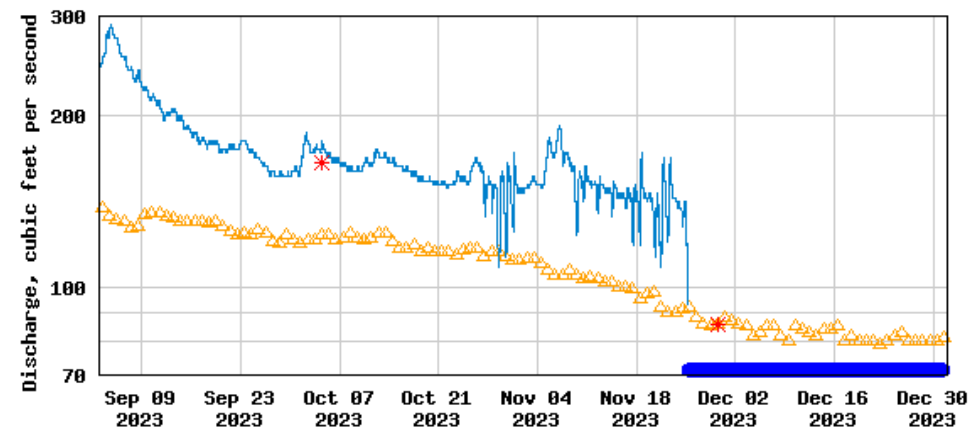
2023 Fall Base Flows

Mean Daily CFS



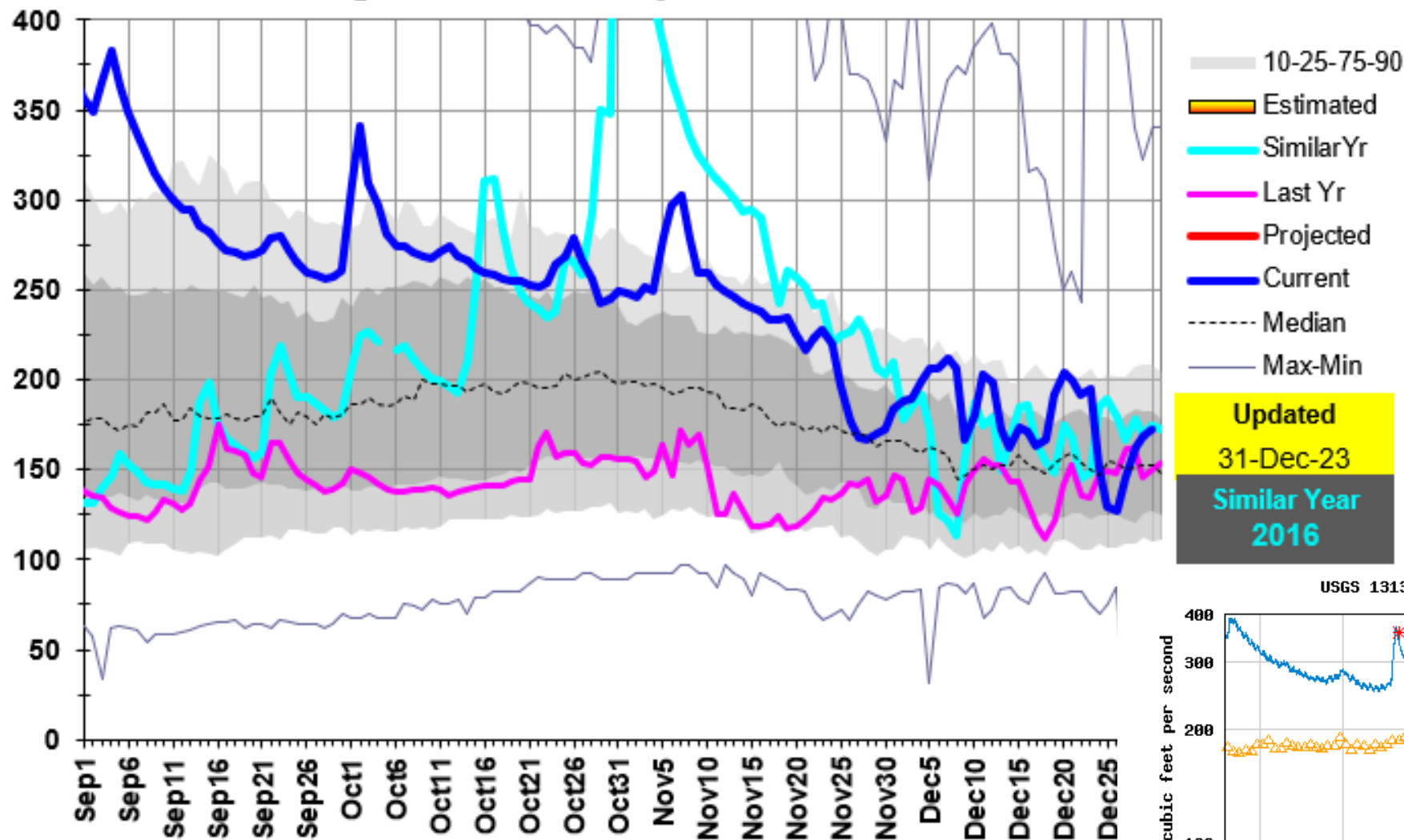
Ice Affected

USGS 13120500 BIG LOST RIVER AT HOWELL RANCH NR CHILLY ID

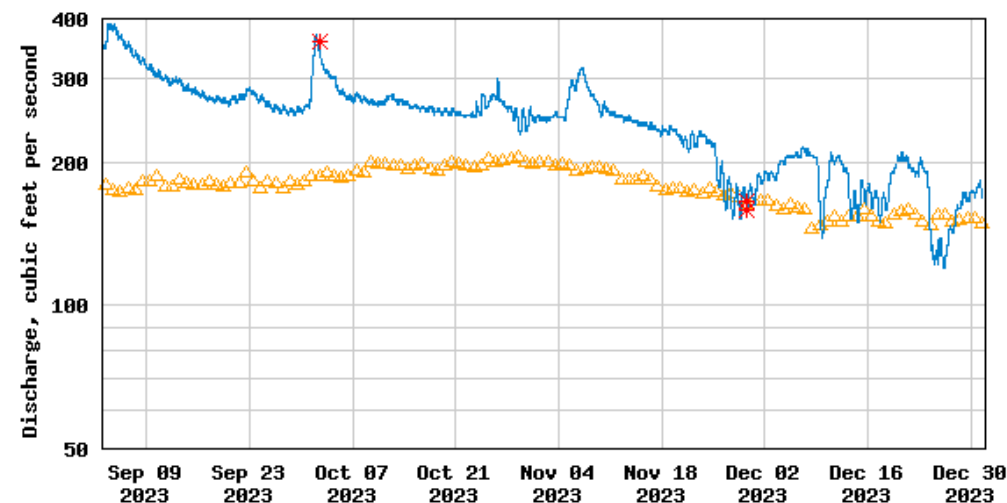


13139510: Big Wood R at Hailey, ID Total Flow

Mean Daily CFS



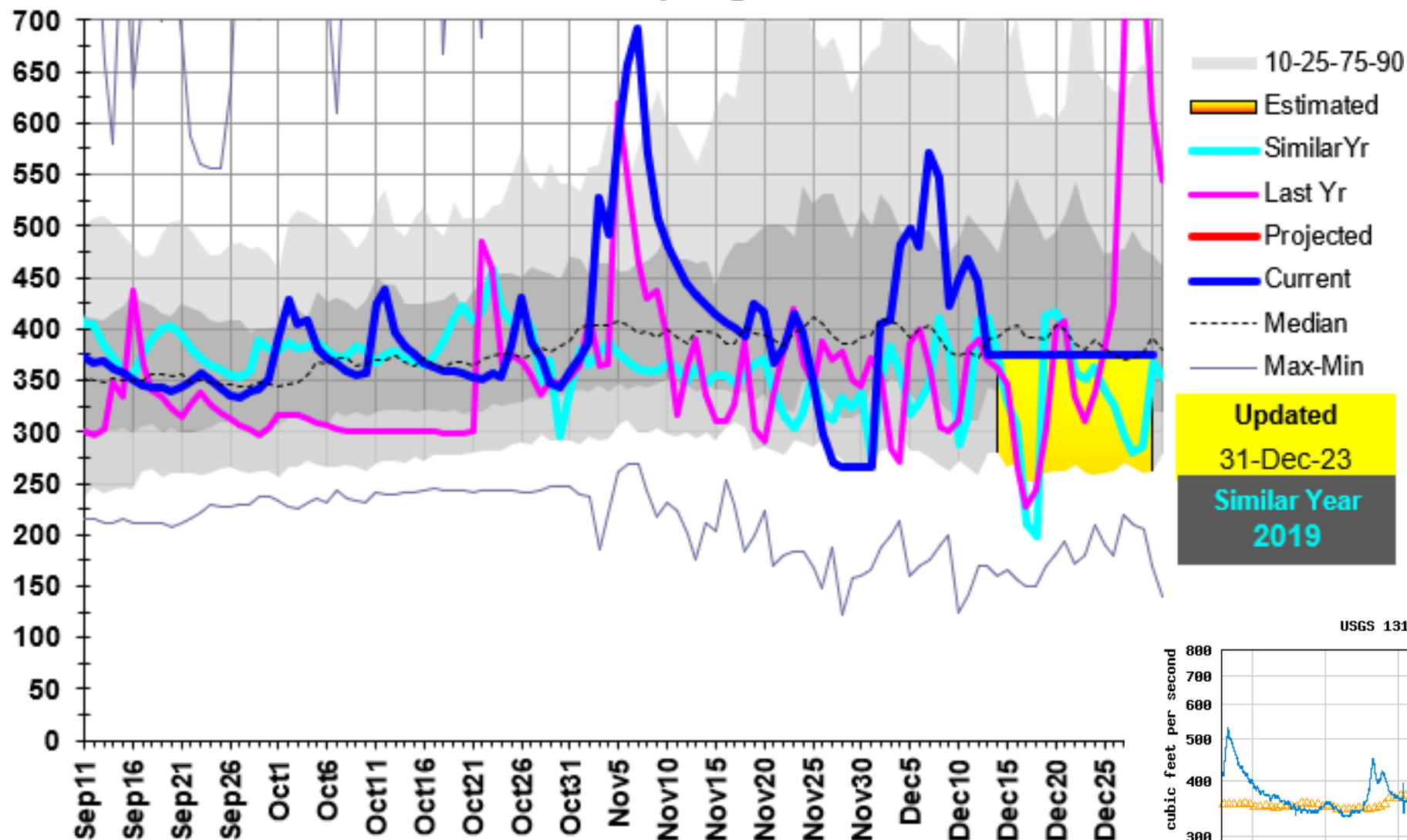
USGS 13139510 BIG WOOD RIVER AT HAILEY ID TOTAL FLOW



△ Median daily statistic (107 years) * Measured discharge
— Discharge

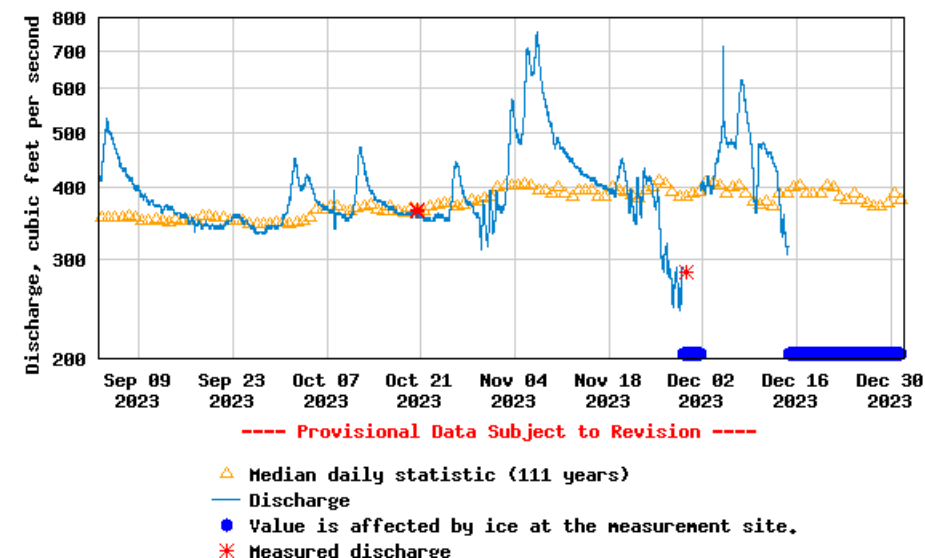
13185000: Boise R near Twin Springs, ID

Mean Daily CFS



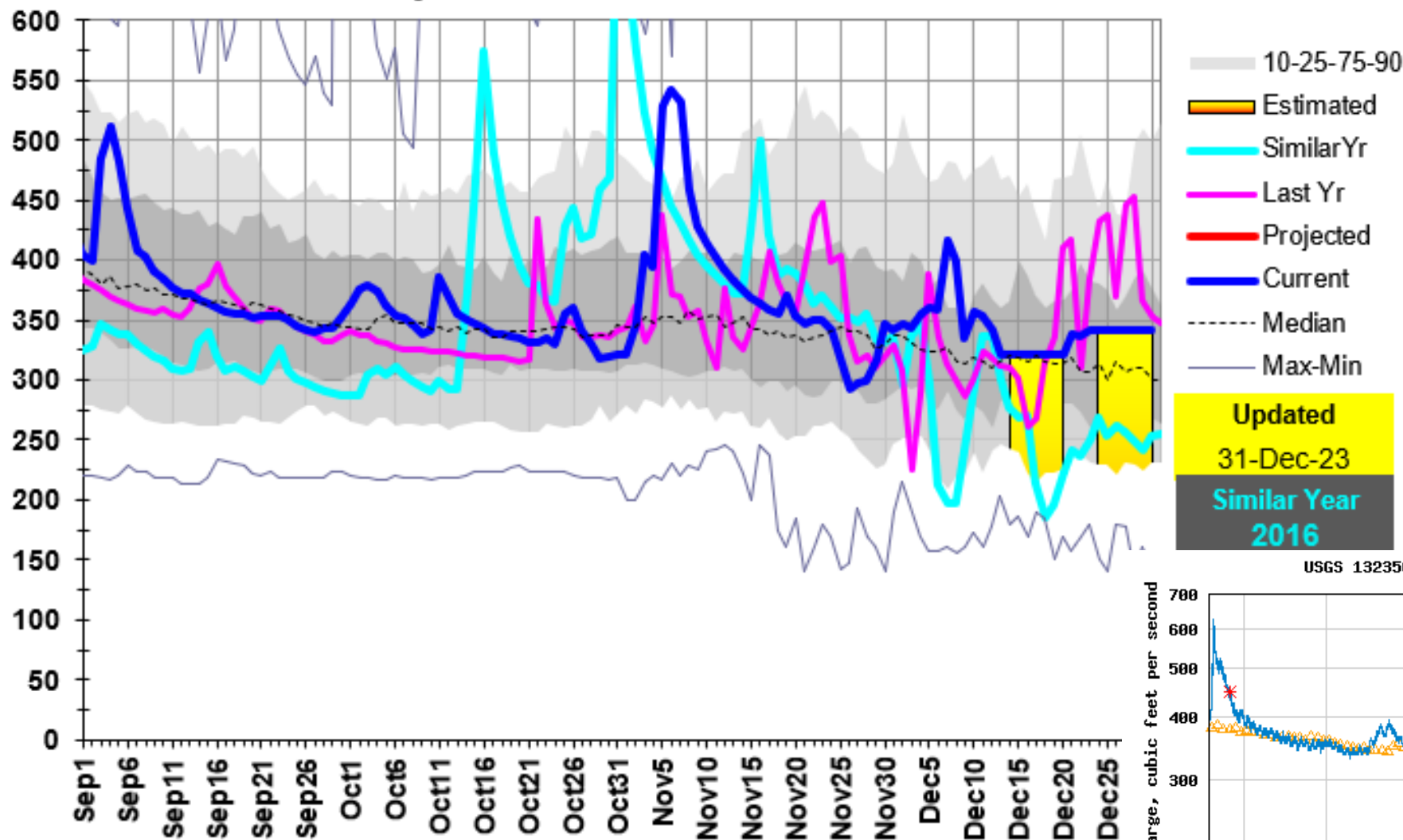
Ice Affected

USGS 13185000 BOISE RIVER NR TWIN SPRINGS ID

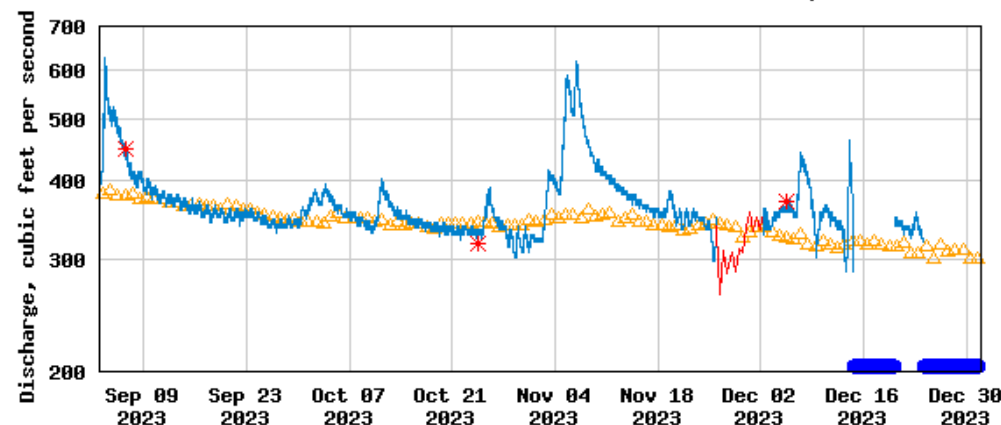


13235000: SF Payette R at Lowman, ID

Mean Daily CFS



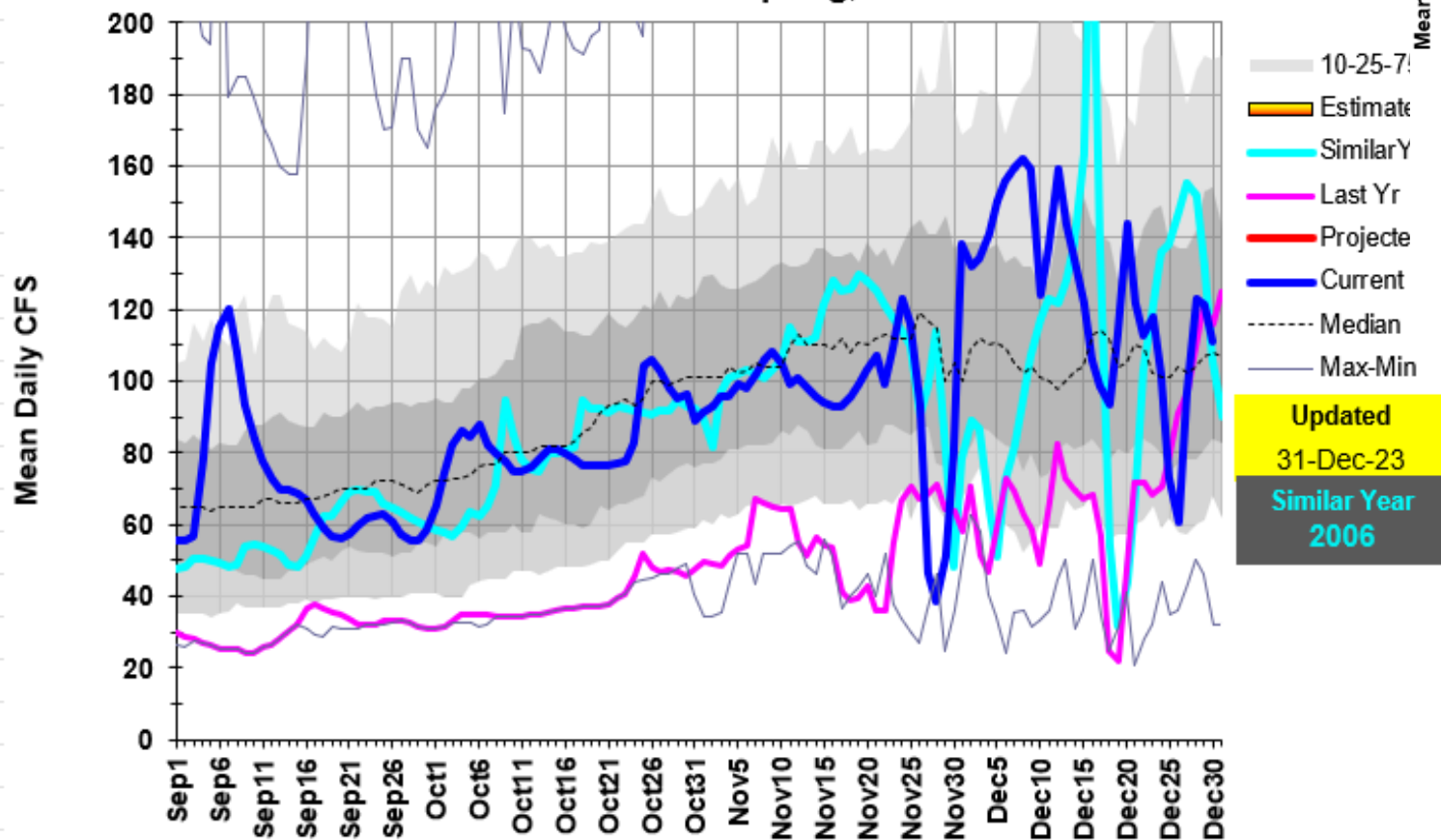
USGS 13235000 SOUTH FORK PAYETTE RIVER AT LOWMAN, ID



- △ Median daily statistic (81 years)
- Discharge
- Estimated discharge
- Value is affected by ice at the measurement site.
- * Measured discharge

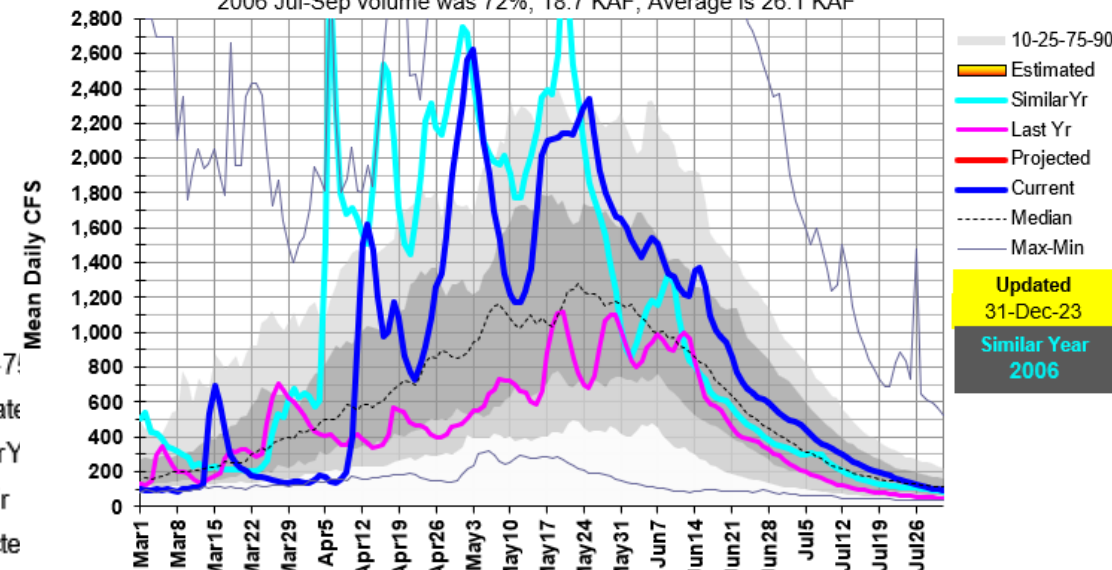
Similar Year selected by similar spring/summer peak/volume and recession flow. Also, the early winter level/pattern and ice present or not.
 Oct & Nov & Dec 2023 were warm/record warm.

13168500: Bruneau R near Hot Spring, ID

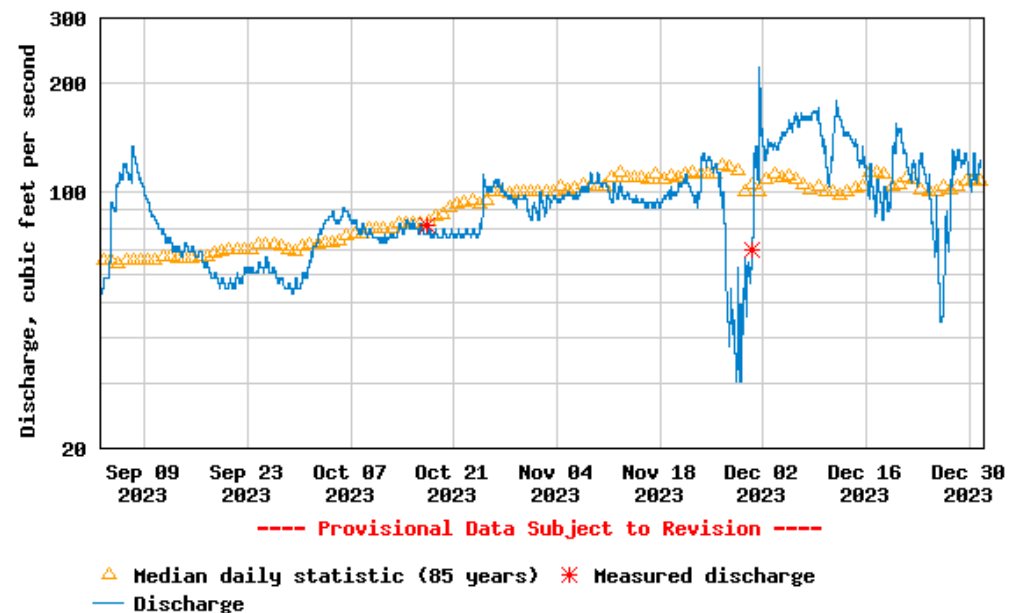


13168500: Bruneau R near Hot Spring, ID

2006 Jul-Sep volume was 72%, 18.7 KAF, Average is 26.1 KAF

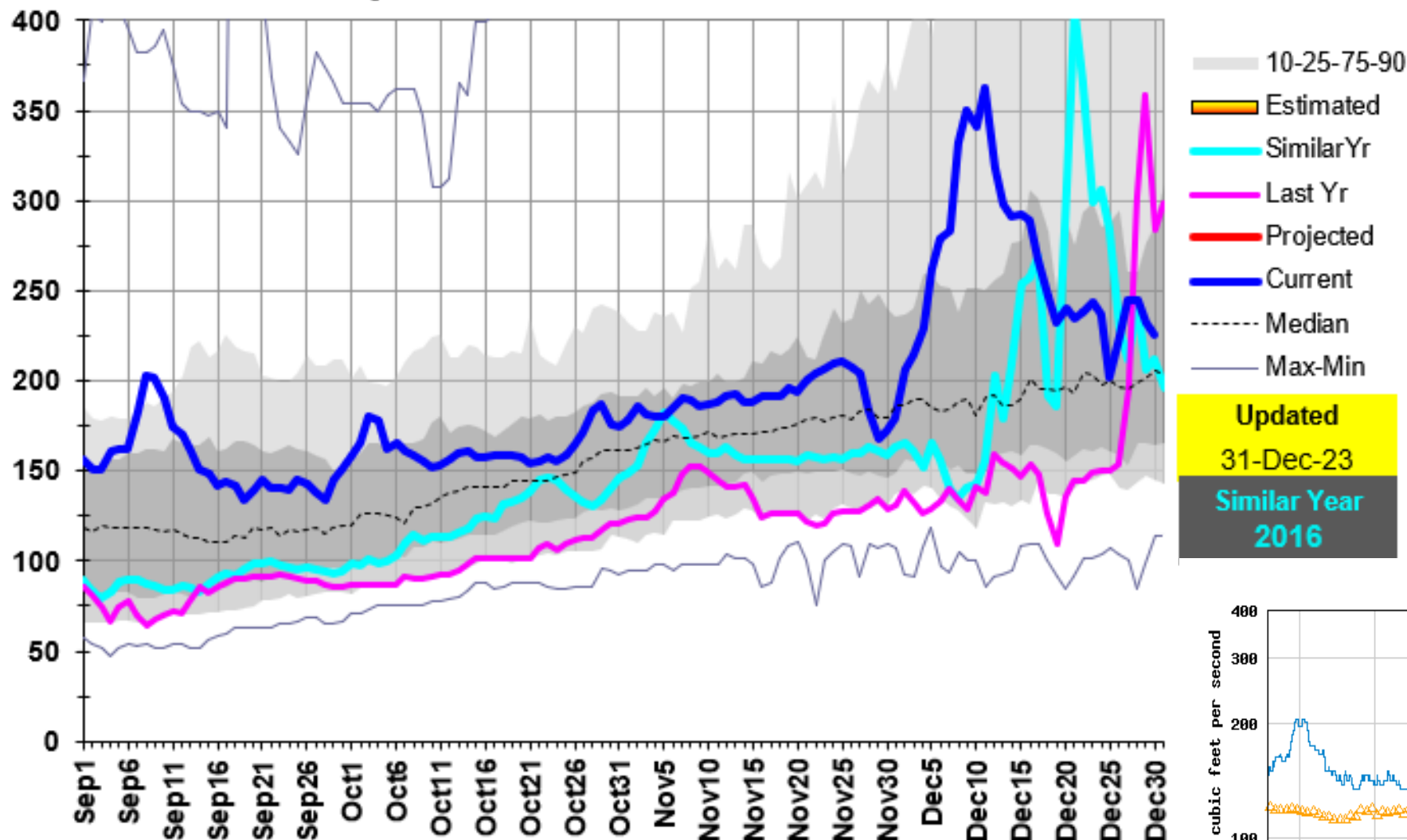


USGS 13168500 BRUNEAU RIVER NR HOT SPRING ID

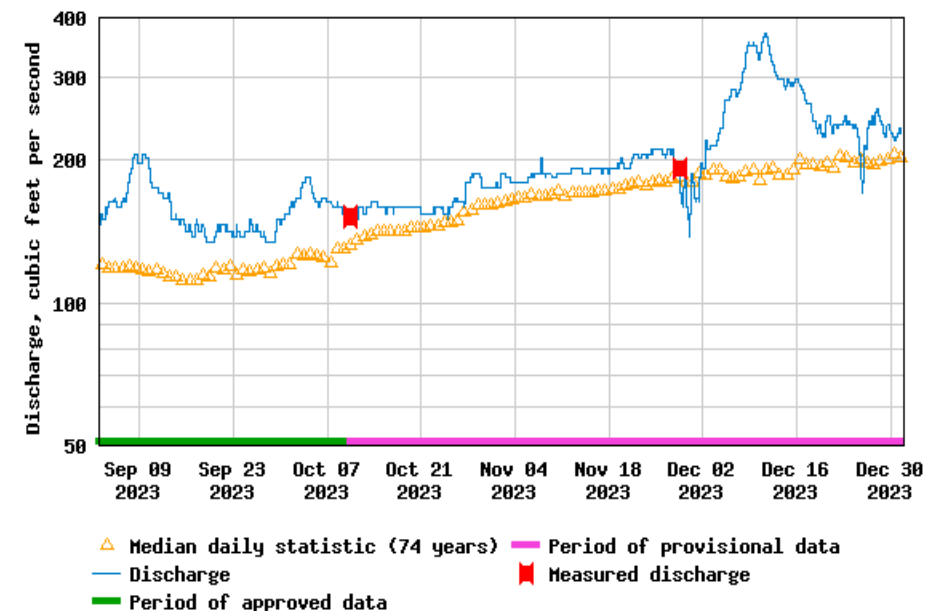


13181000: Owyhee R near Rome, OR

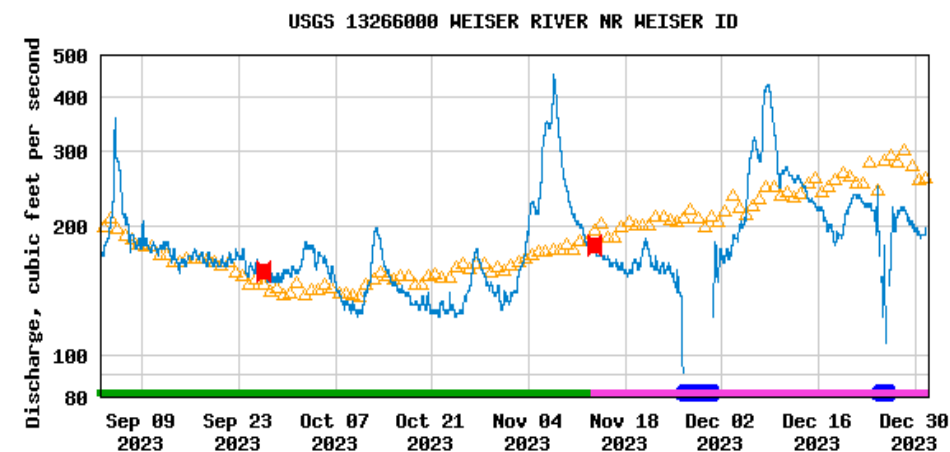
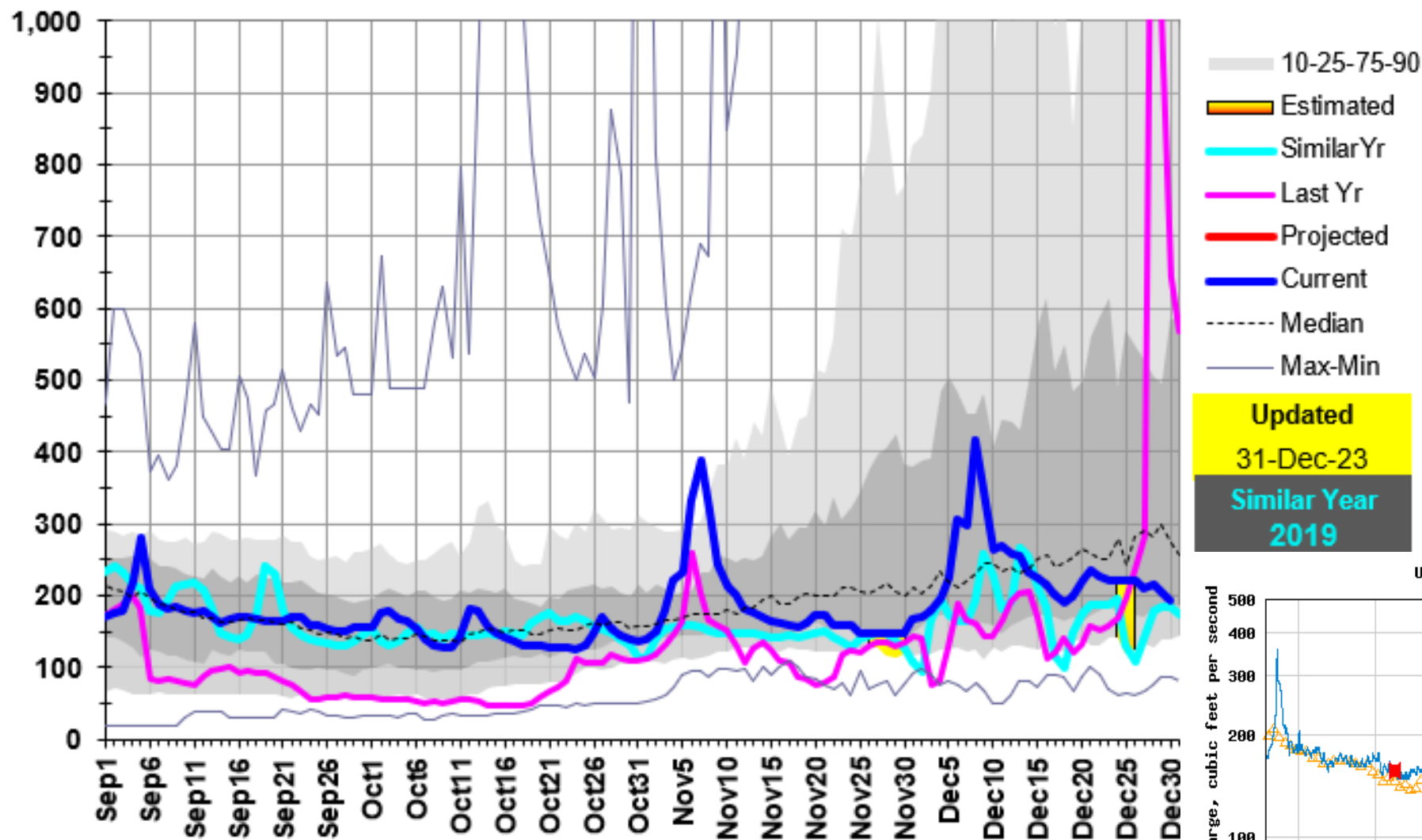
Mean Daily CFS



USGS 13181000 OWYHEE RIVER NR ROME OR



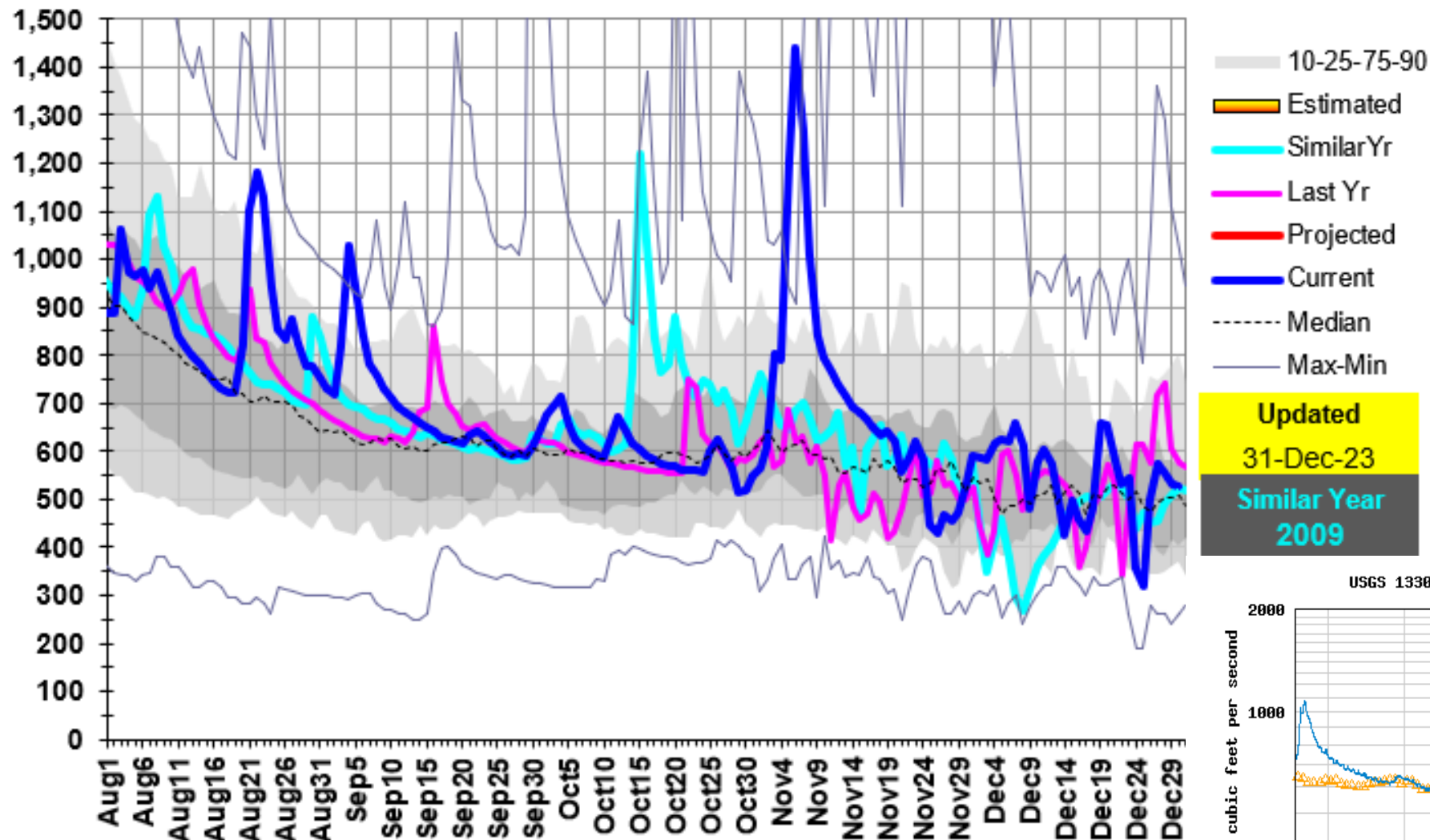
13266000: Weiser R near Weiser, ID



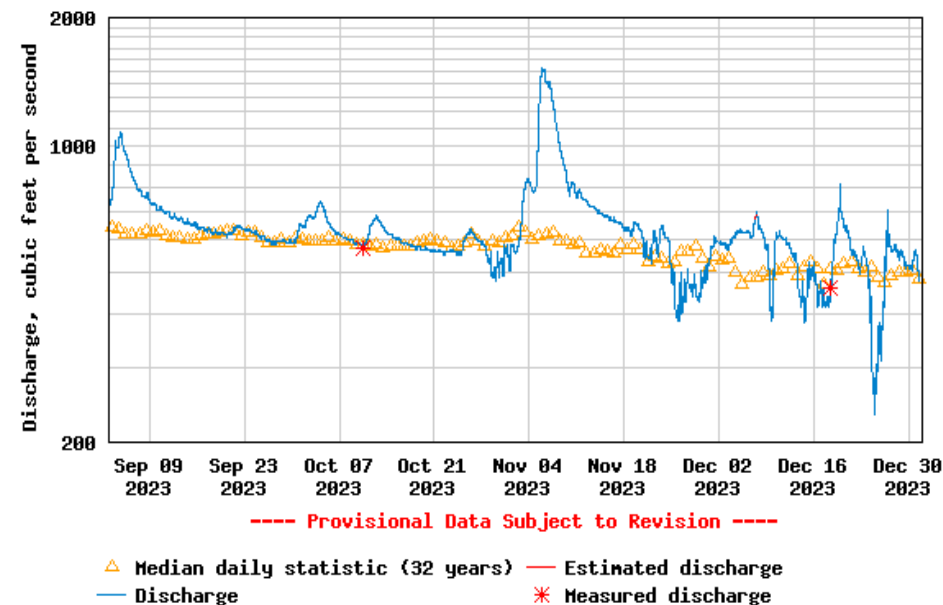
- △ Median daily statistic (83 years)
- Discharge
- Period of approved data
- Value is affected by ice at the measurement site.
- Period of provisional data
- ★ Measured discharge

13309220: MF Salmon R at MF Lodge near Yellow Pine, ID

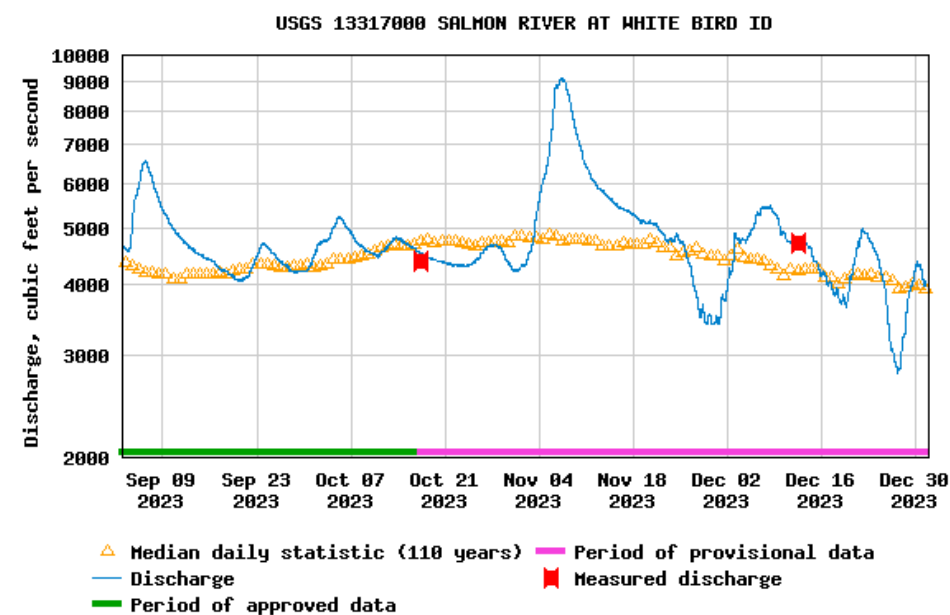
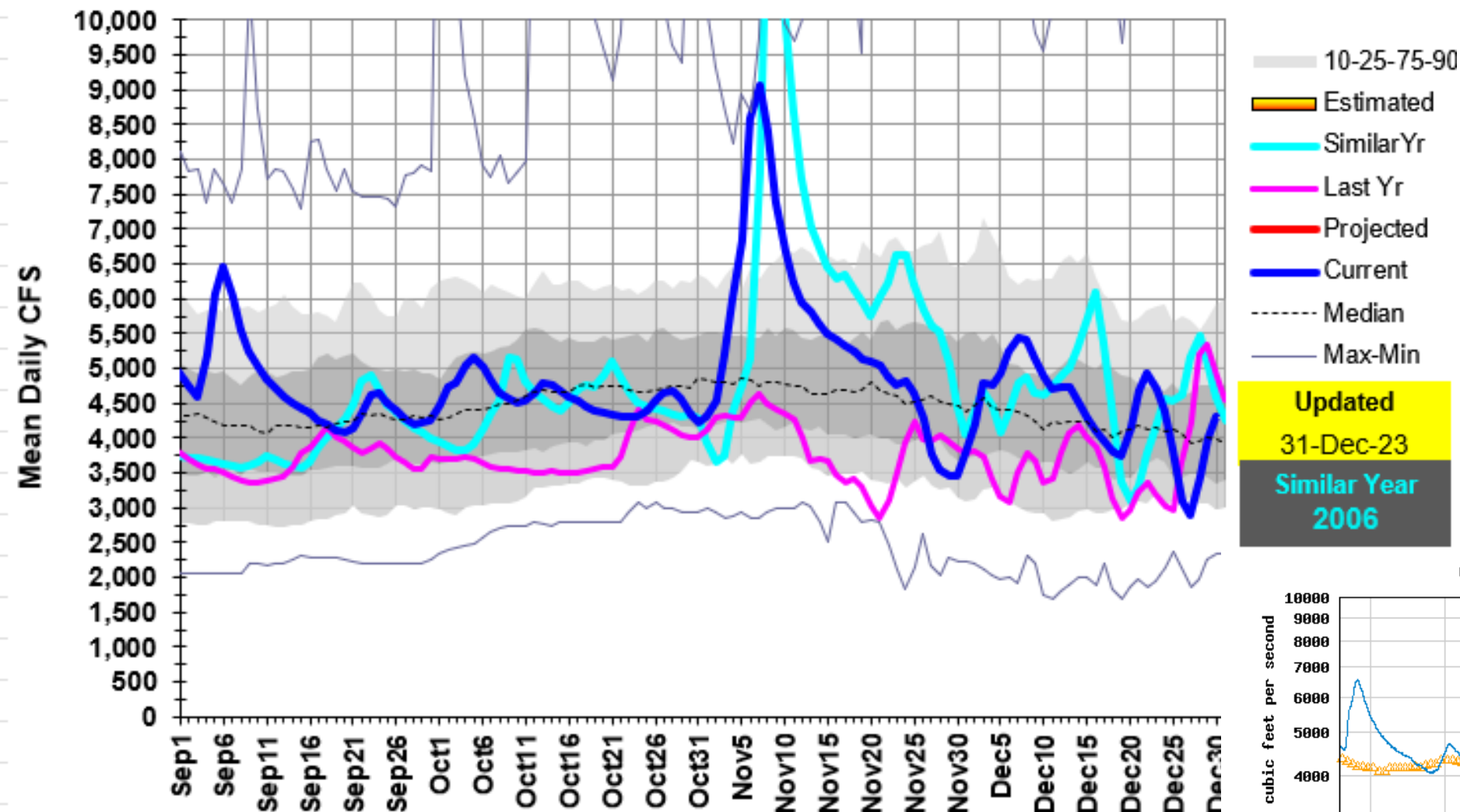
Mean Daily CFS



USGS 13309220 MF SALMON RIVER AT MF LODGE NR YELLOW PINE ID

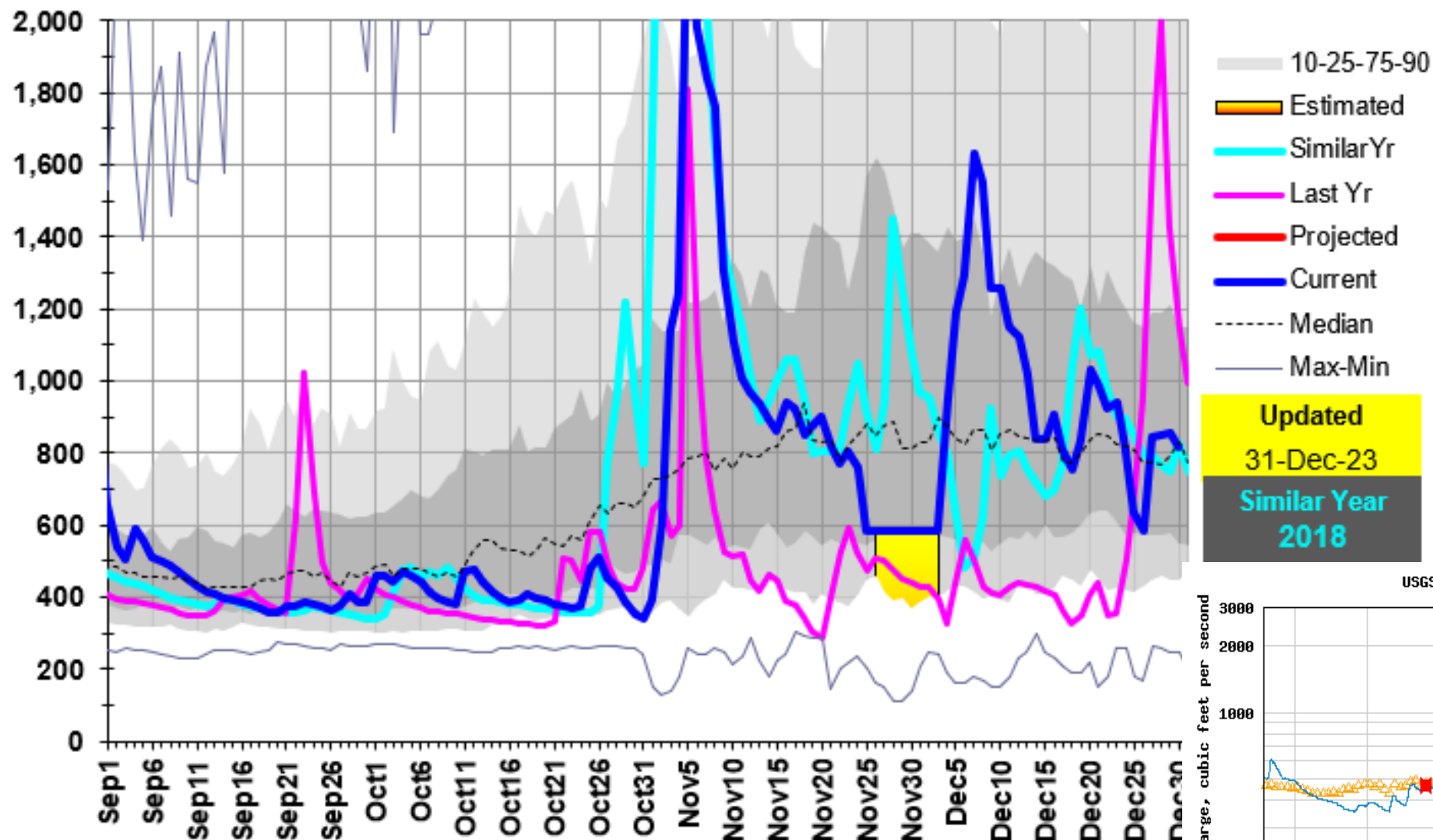


13317000: Salmon R at White Bird, ID



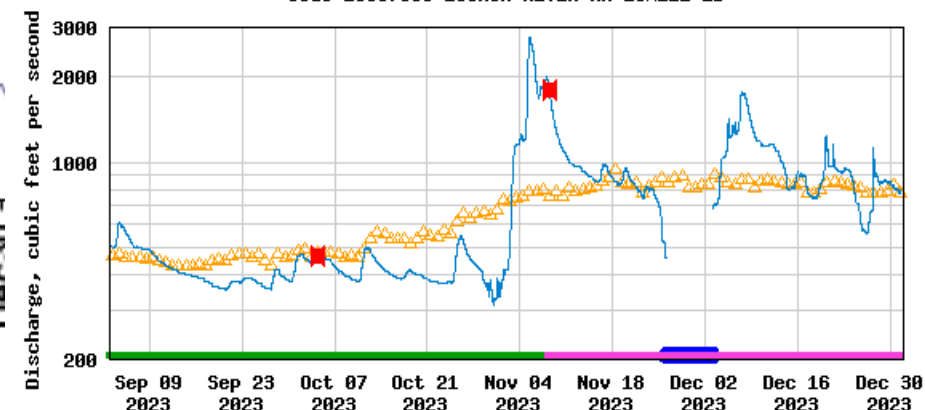
13337000: Lochsa R near Lowell, ID

Mean Daily CFS



Ice Affected

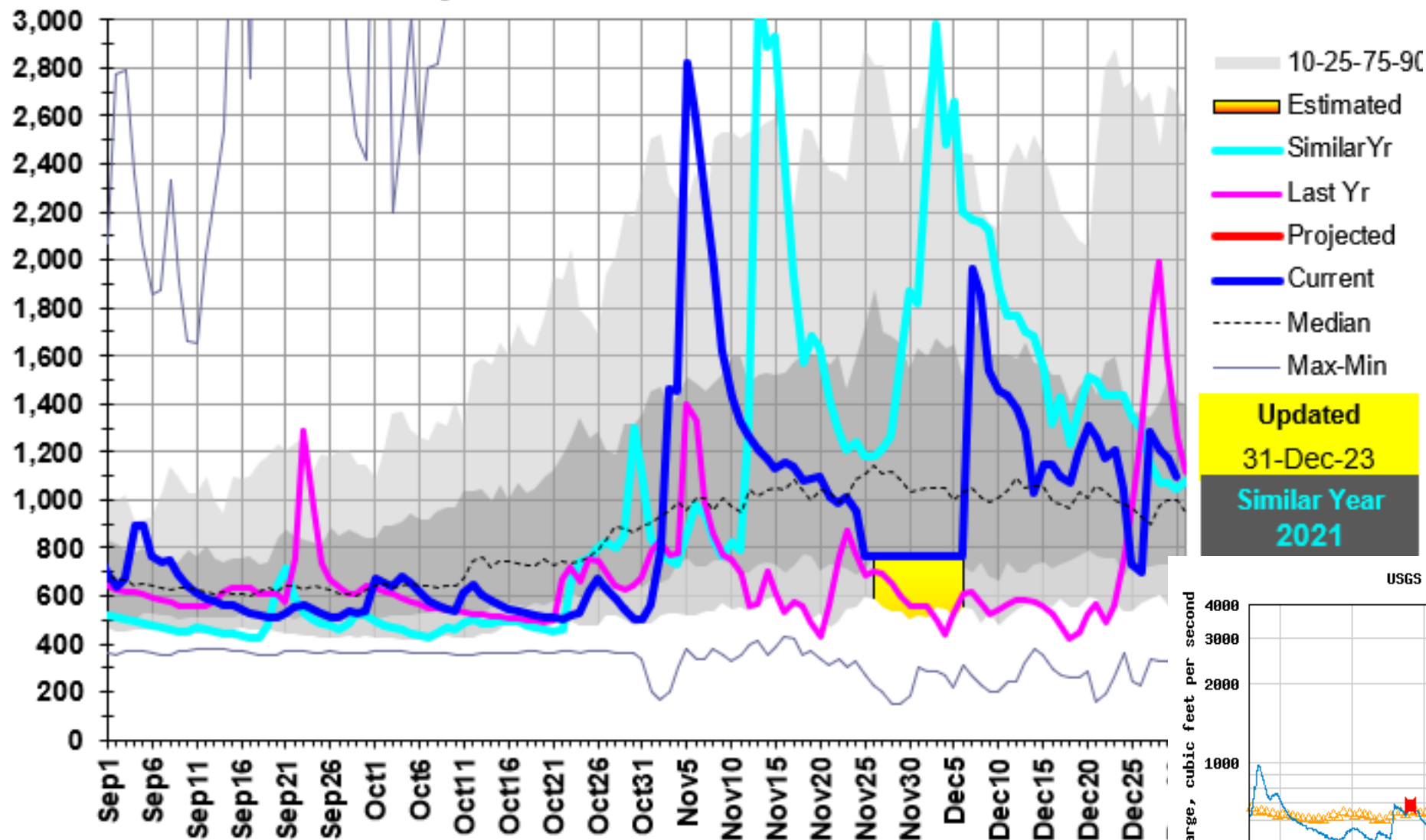
USGS 13337000 LOCHSA RIVER NR LOWELL ID



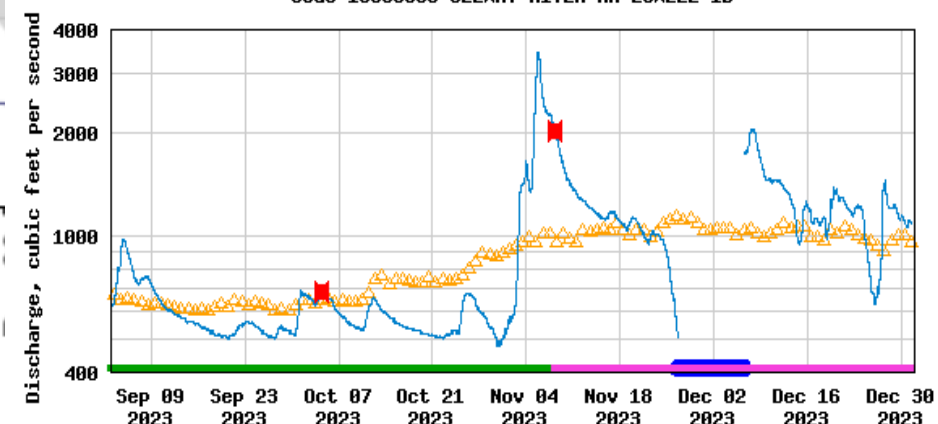
- △ Median daily statistic (95 years)
- Discharge
- Period of approved data
- Value is affected by ice at the measurement site.
- Period of provisional data
- ★ Measured discharge

13336500: Selway R near Lowell, ID

Mean Daily CFS



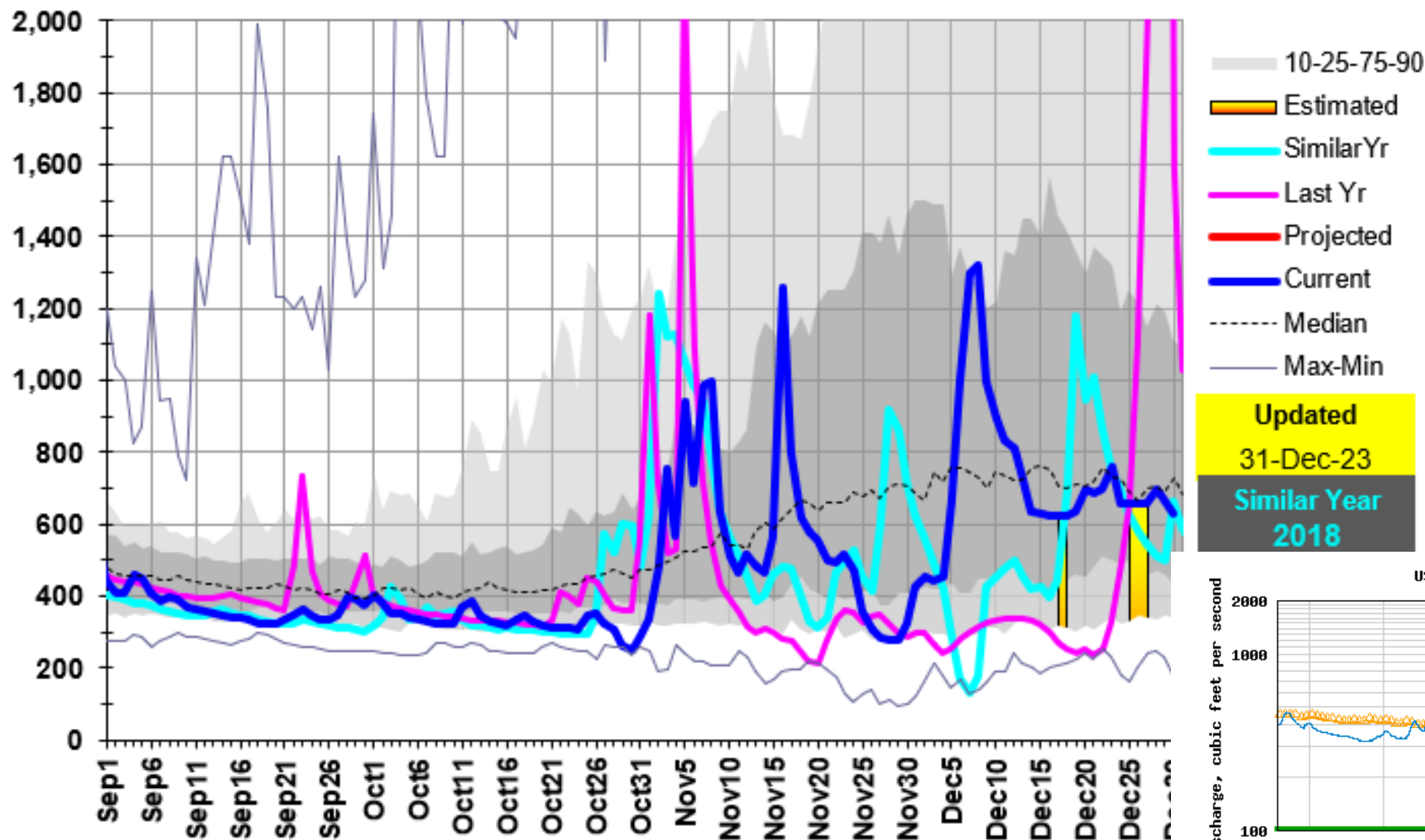
USGS 13336500 SELWAY RIVER NR LOWELL ID



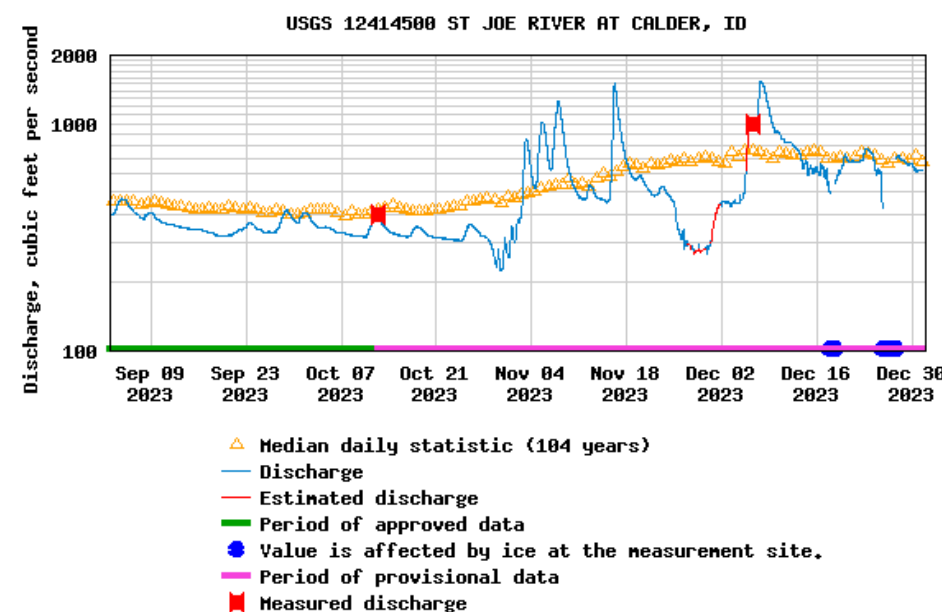
- △ Median daily statistic (94 years)
- Discharge
- Period of approved data
- Value is affected by ice at the measurement site.
- Period of provisional data
- ★ Measured discharge

12414500: St. Joe R at Calder, ID

Mean Daily CFS

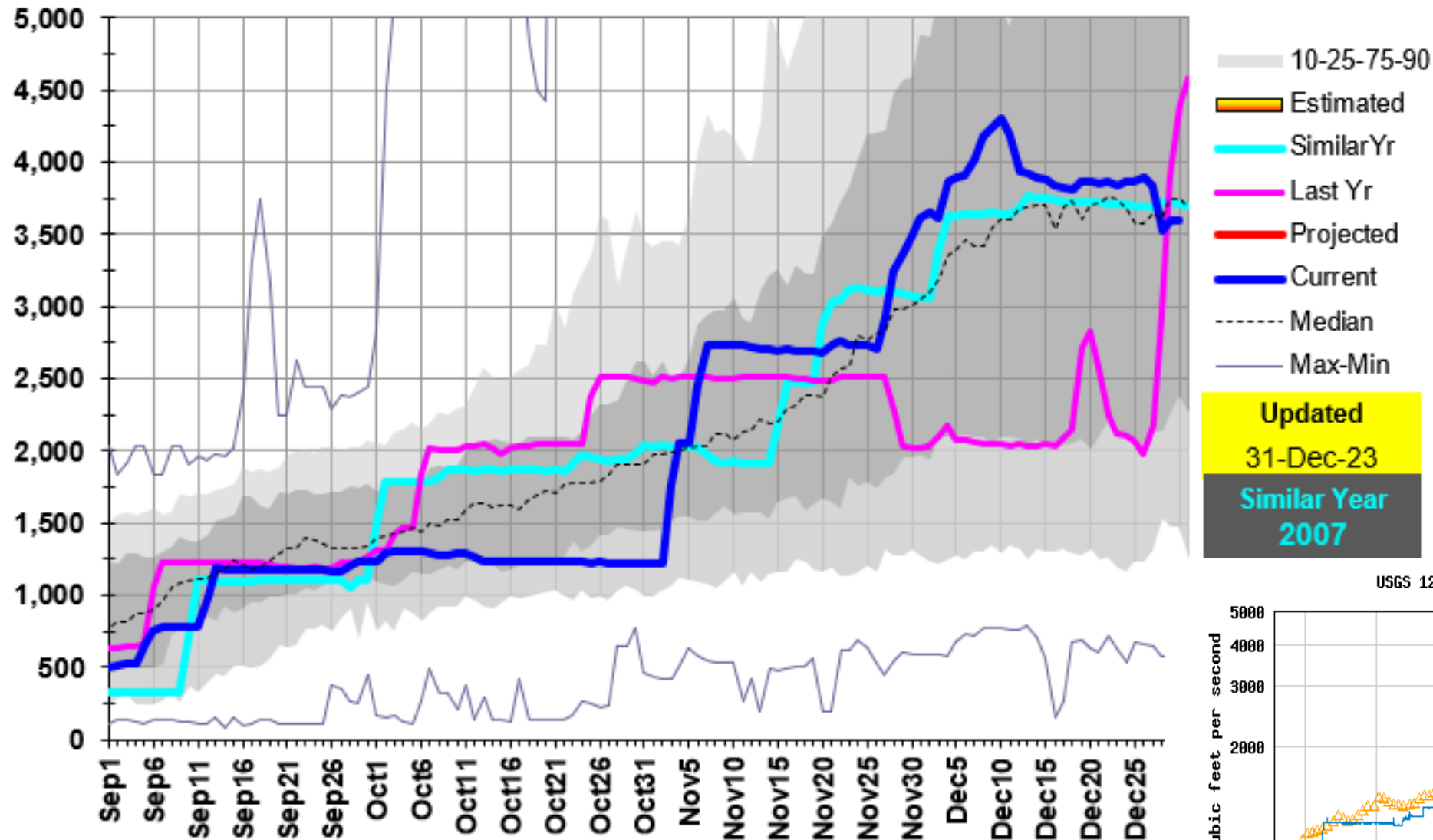


Ice Affected

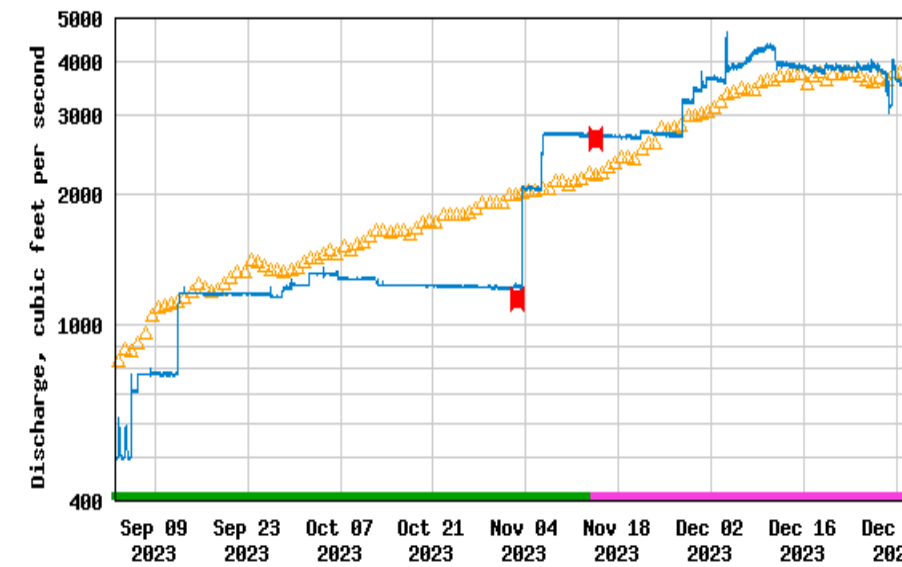


12419000: Spokane R near Post Falls, ID

Mean Daily CFS

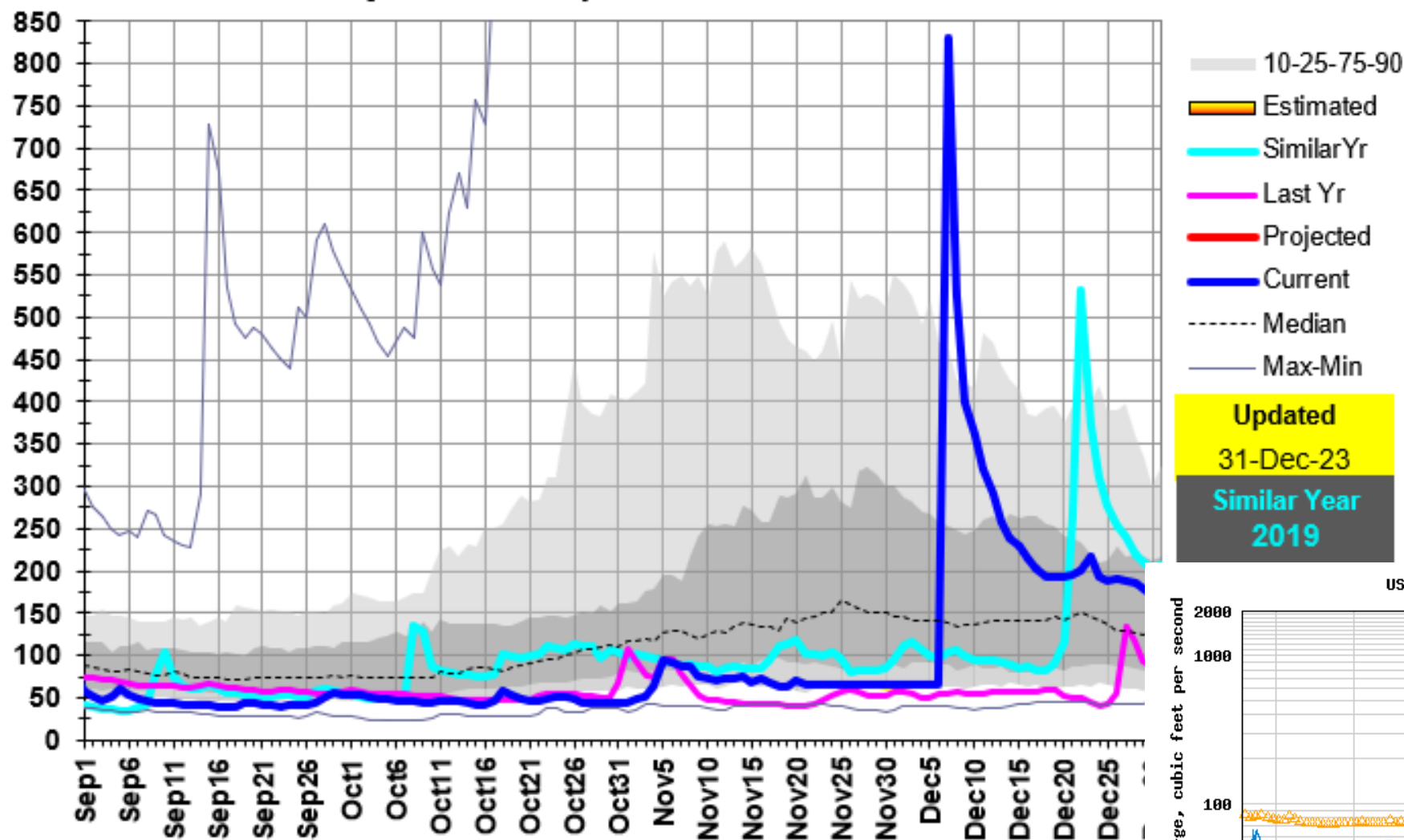


USGS 12419000 Spokane River near Post Falls, ID



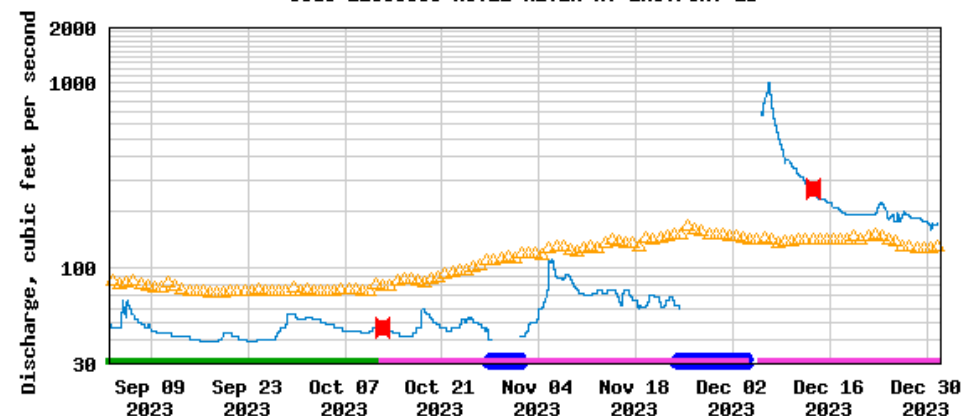
12306500: Moyie R at Eastport, ID

Mean Daily CFS



Ice Affected

USGS 12306500 MOYIE RIVER AT EASTPORT ID



- △ Median daily statistic (94 years)
- Discharge
- Period of approved data
- Value is affected by ice at the measurement site.
- Period of provisional data
- ★ Measured discharge

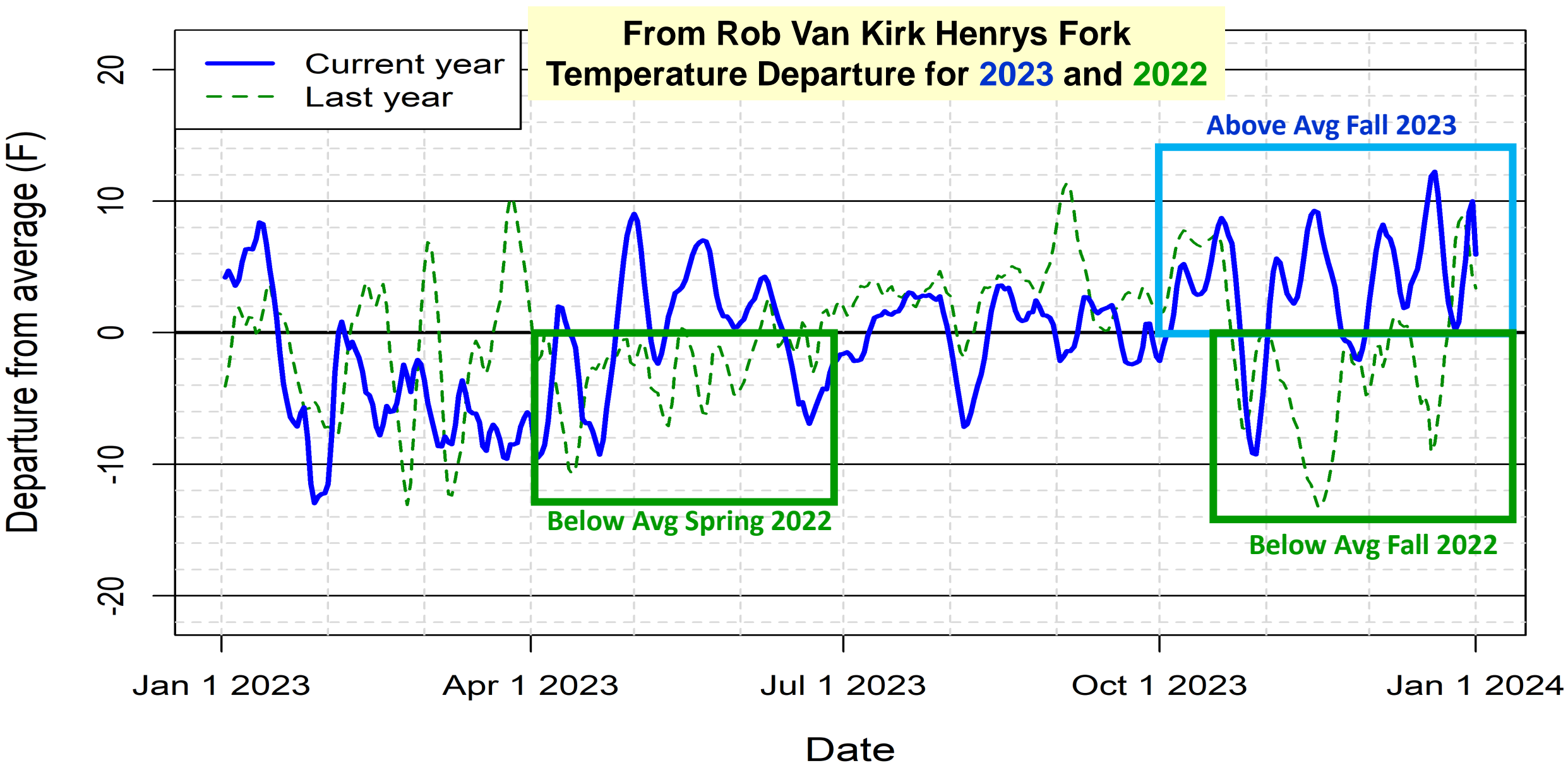
The next few slides explain impact of warm fall temperatures and November 1 rain event.

Usually, cooler fall temperatures freeze the snow, water, soil moisture, and river in place or slows the movement of water through the system. Colder temperatures like Fall of 2022 allowed the moisture to be 'banked' in place until the spring thaw.

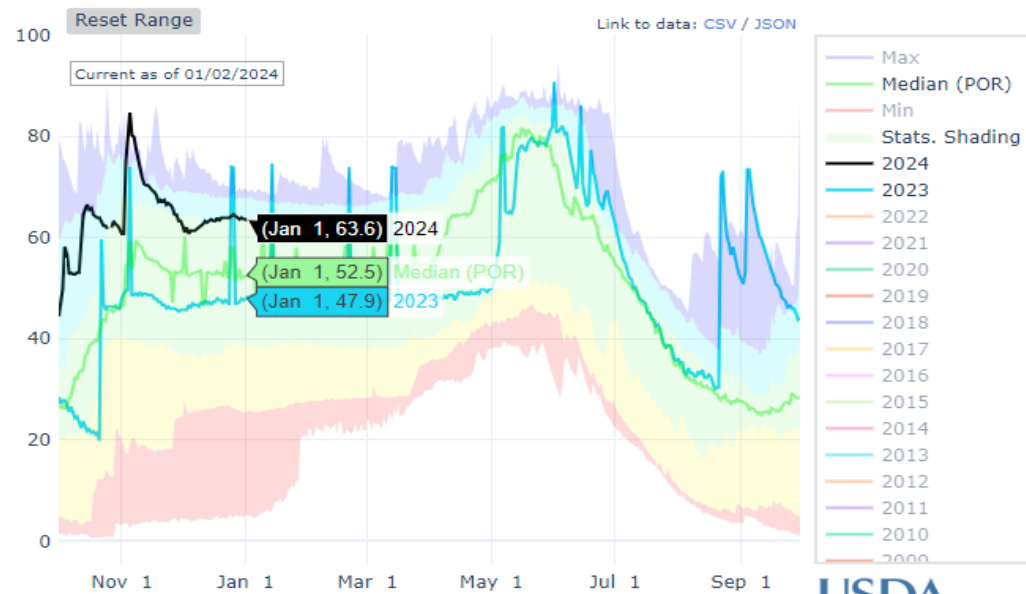
This year, many / most rivers are flowing above average from the November 1 rain event.

Is this good or bad – we'll see in spring after everything warms up again. Soils should need less moisture to fill the soil profile and rivers will flow again.

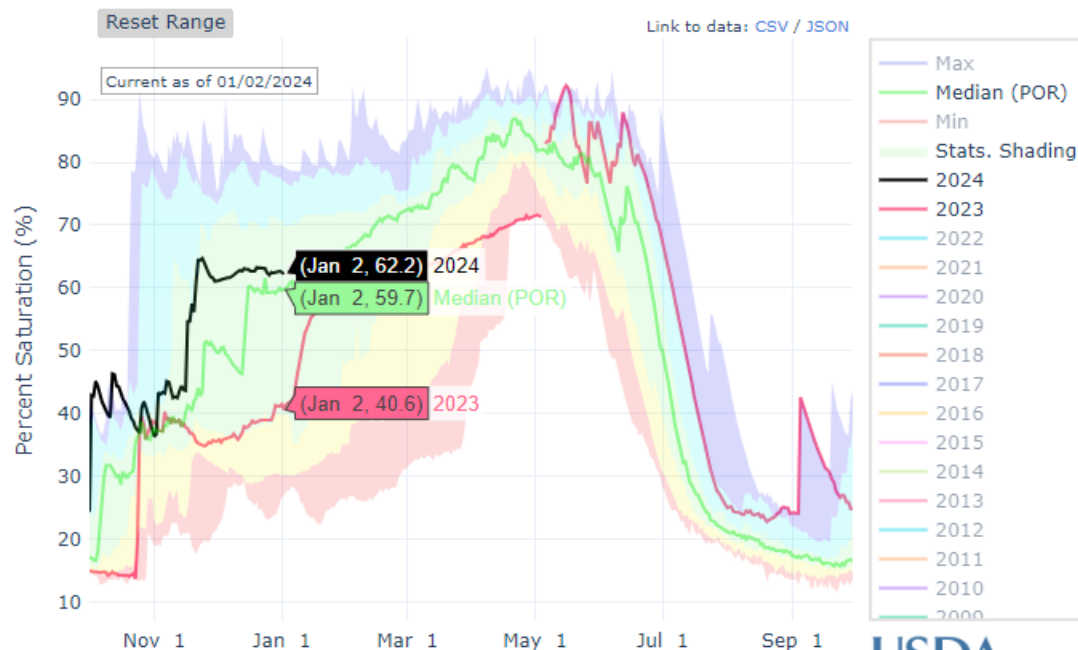
HF Watershed 7-day Temperature, Departure from 1989-2023 Average



DEPTH AVERAGED SOIL SATURATION AT JACKSON PEAK



DEPTH AVERAGED SOIL SATURATION AT SOUTH MTN.



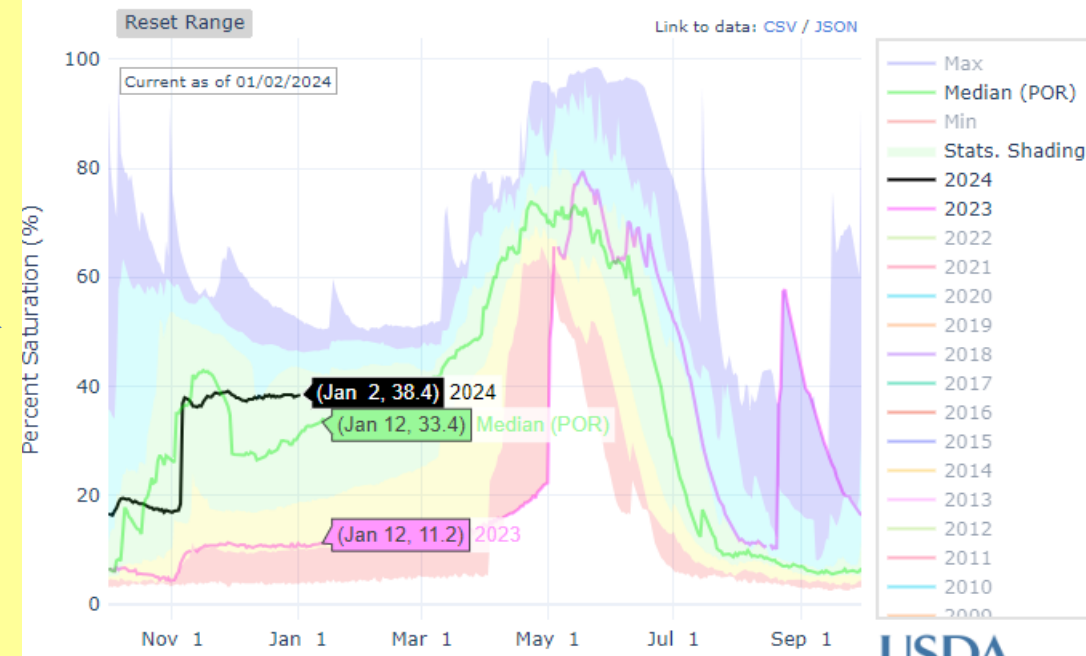
Soil Moisture

Boise
Big Wood

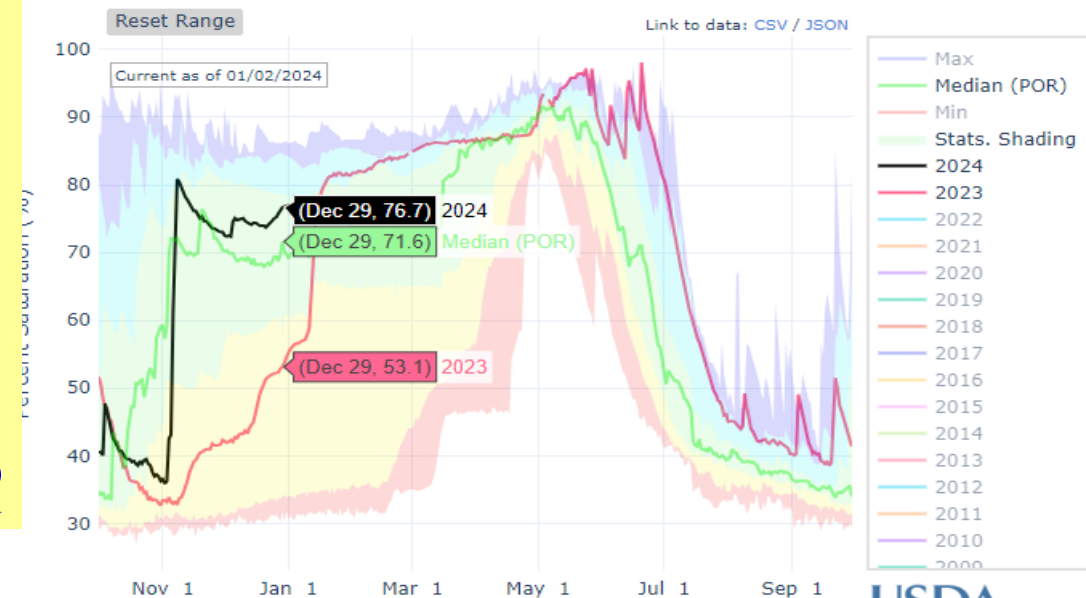
Shows soil moisture is above normal and a little better than Dec 2023

Owyhee
Eastern Idaho

DEPTH AVERAGED SOIL SATURATION AT HYNDMAN



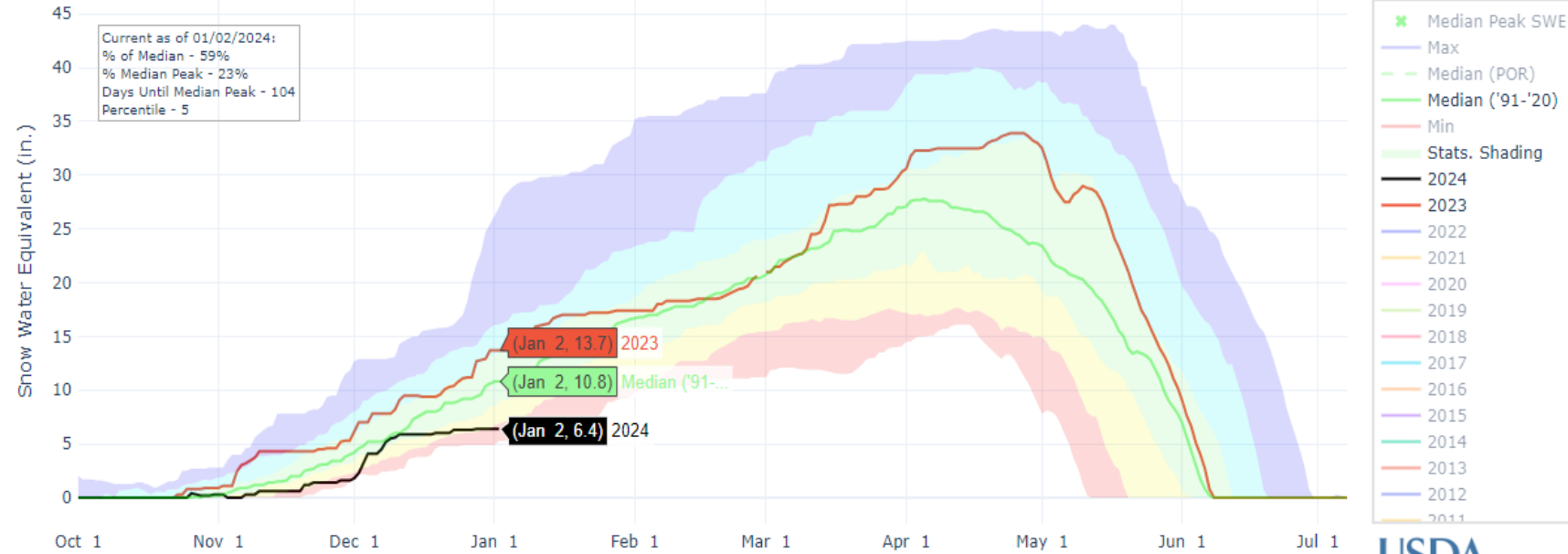
DEPTH AVERAGED SOIL SATURATION AT SHEEP MTN.



SNOW WATER EQUIVALENT AT JACKSON PEAK

Reset Range

Link to data: [CSV](#) / [JSON](#)



Boise Basin Jackson Peak Snow Water & Precipitation

Both are well below **last year**.
Early Nov rains increased soil
moisture. **Last year** moisture fell
as snow to start accumulation
season.

PRECIPITATION AT JACKSON PEAK

Reset Range

Link to data: [CSV](#) / [JSON](#)

