

A scenic landscape featuring snow-capped mountains, a valley, and a lake reflecting the scene. The mountains are rugged and covered in patches of snow, with a clear blue sky above. The foreground shows a calm lake reflecting the mountains and the sky. The middle ground consists of a valley with green and brown fields. The overall scene is peaceful and natural.

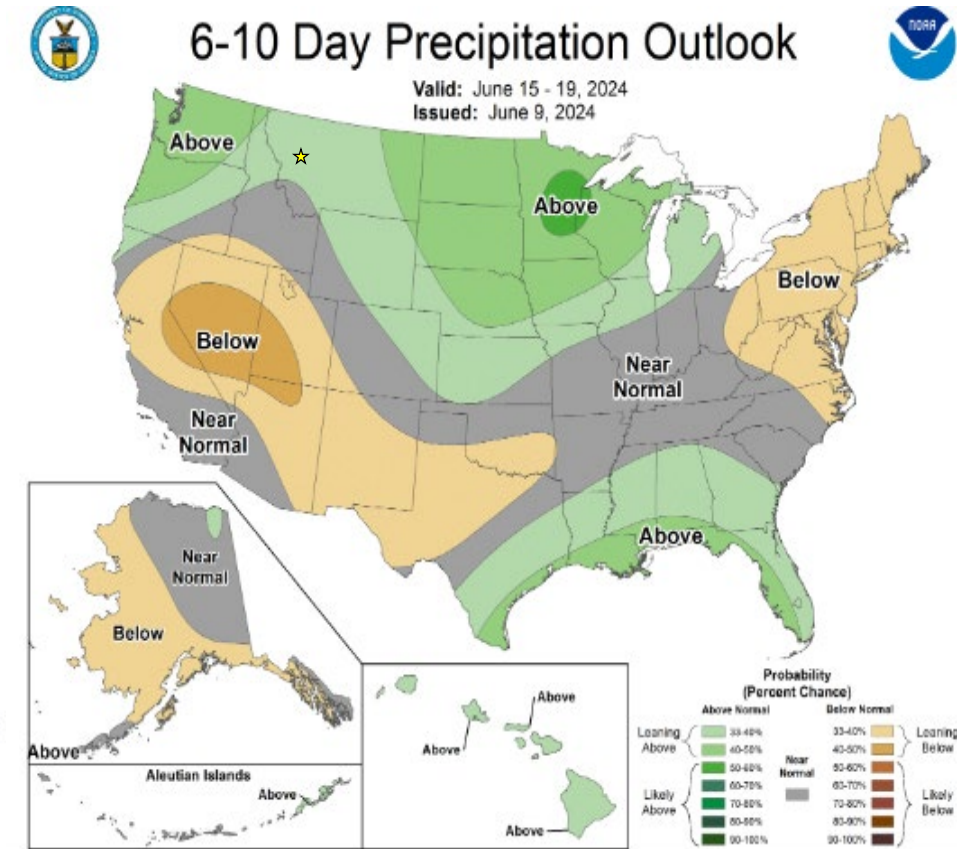
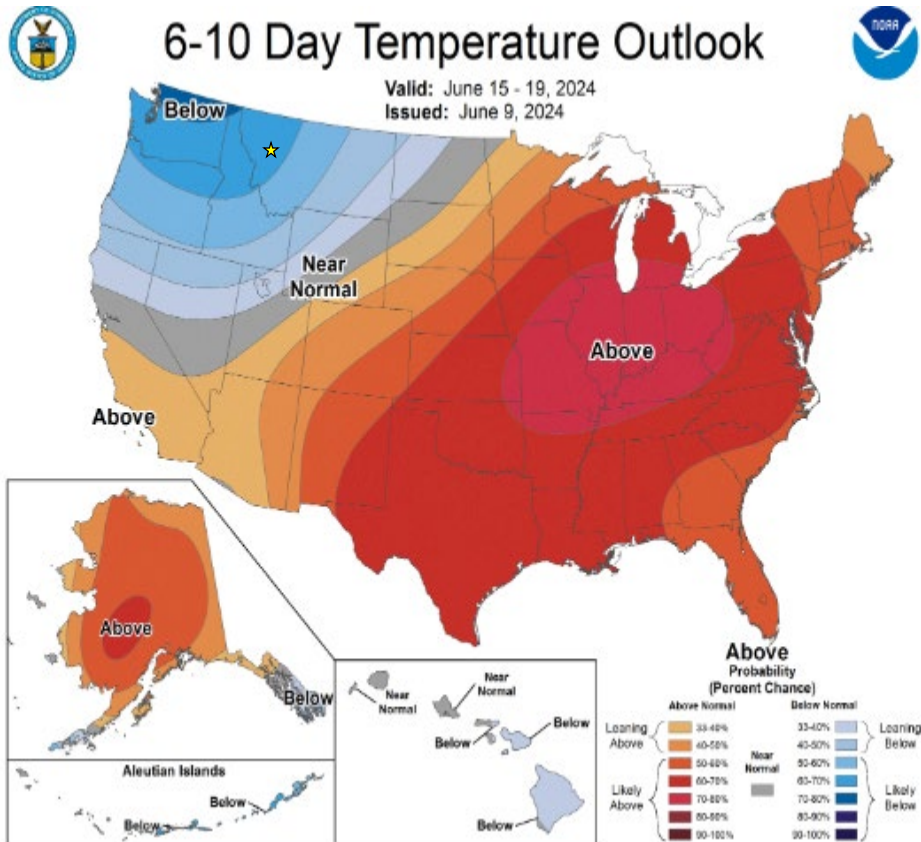
2024 Water Supply Outlook (06/12/24)

| Approximate date | Purpose of Meeting |
|------------------|--|
| End of January | Review reservoir carryover and initial projection of water supply, tentatively categorize water-year type |
| End of February | Review reservoir carryover and initial projection of water supply, tentatively categorize water-year type, set March wet and normal year streamflow targets, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| End of March | Refine projection of water supply, tentatively categorize water-year type, and set April wet and normal streamflow targets, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| Mid-April | Refine projection of water supply, categorize water-year type, update wet and normal streamflow targets for the month, set initial RDAs based on water year type, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| Early May | Refine projection of water supply, update water-year type (if applicable), set wet and normal streamflow targets for the month, review initial RDAs based on water year type, taking into account any changes in water year type, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| Mid-May | Refine projection of water supply, update water-year type, update wet and normal streamflow targets for the month, update RDAs based on any changes in water year type, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| Early June | Refine projection of water supply, update water-year type (if applicable), set wet and normal streamflow targets for month, quantify portion of RDAs used to date, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| Mid June | Finalize projection of water supply and water-year type, update wet and normal streamflow targets for month, modify RDAs based on any changes in water year type, modify MEF timing (if applicable) to match anticipated snowmelt runoff |
| Early July | Set wet and normal streamflow targets for the month, evaluate RDAs, quantify portion of RDAs used to date |
| Mid July | Update wet and normal streamflow targets for the month |
| Early August | Set wet and normal streamflow targets for the month, evaluate RDAs, quantify portion of RDAs used to date |
| Early September | Set wet and normal streamflow targets for the month, quantify portion of RDAs used to date |
| Early October | Discuss annual reporting and water operations for the completed irrigation season, develop long-range forecast based on climatic indicators |
| Early December | Finalize annual reporting of water measurement, refine long-range forecast based on climatic indicators |

Appendix

3.5 Timeline

6-10 Day Outlook – Issued June 9, 2024



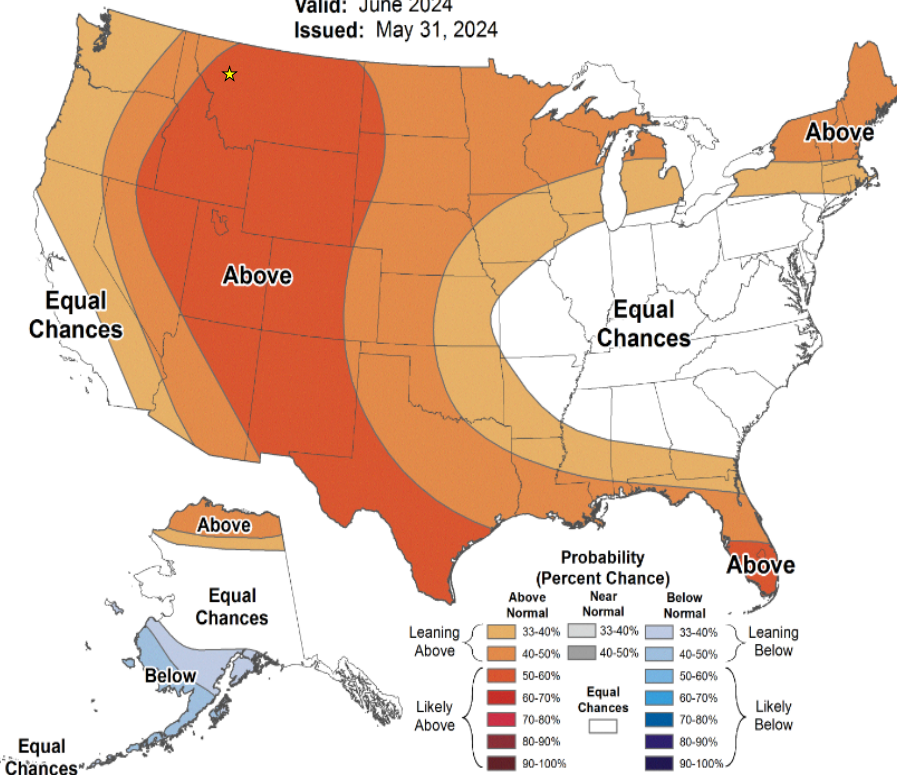
Monthly Outlooks – June 2024



Monthly Temperature Outlook



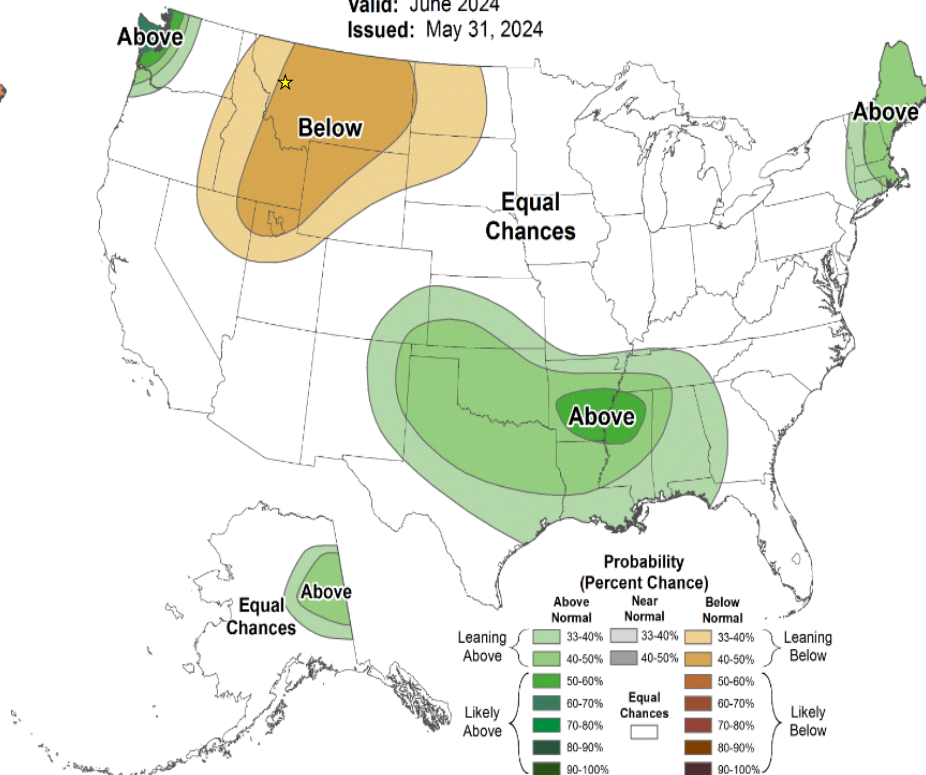
Valid: June 2024
Issued: May 31, 2024



Monthly Precipitation Outlook



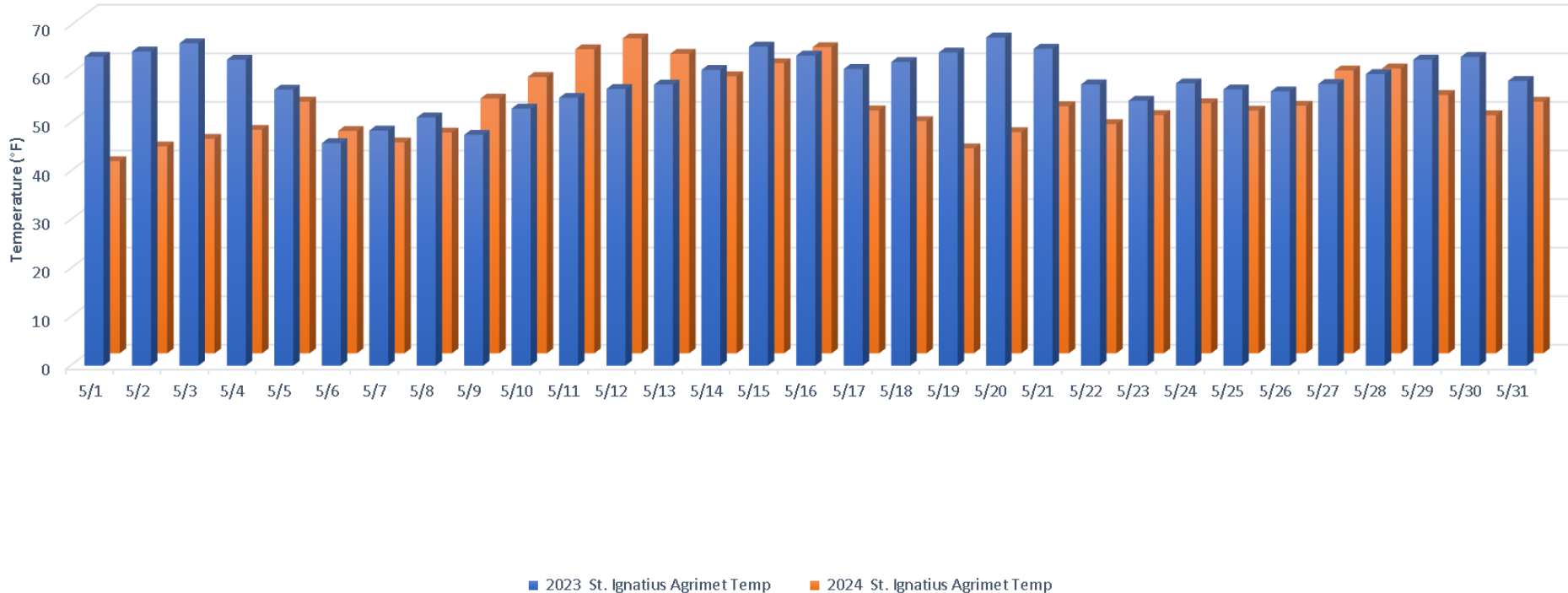
Valid: June 2024
Issued: May 31, 2024



MAY 2023 vs. MAY 2024 Average Daily Temps- St. Ignatius Agrimet

2023 Average: 59°F

2024 Average 51.4°F



MAY 2023 vs. MAY 2024 Average Daily Temps- NF Jocko SNOTEL

2023 Average: 45.6°F

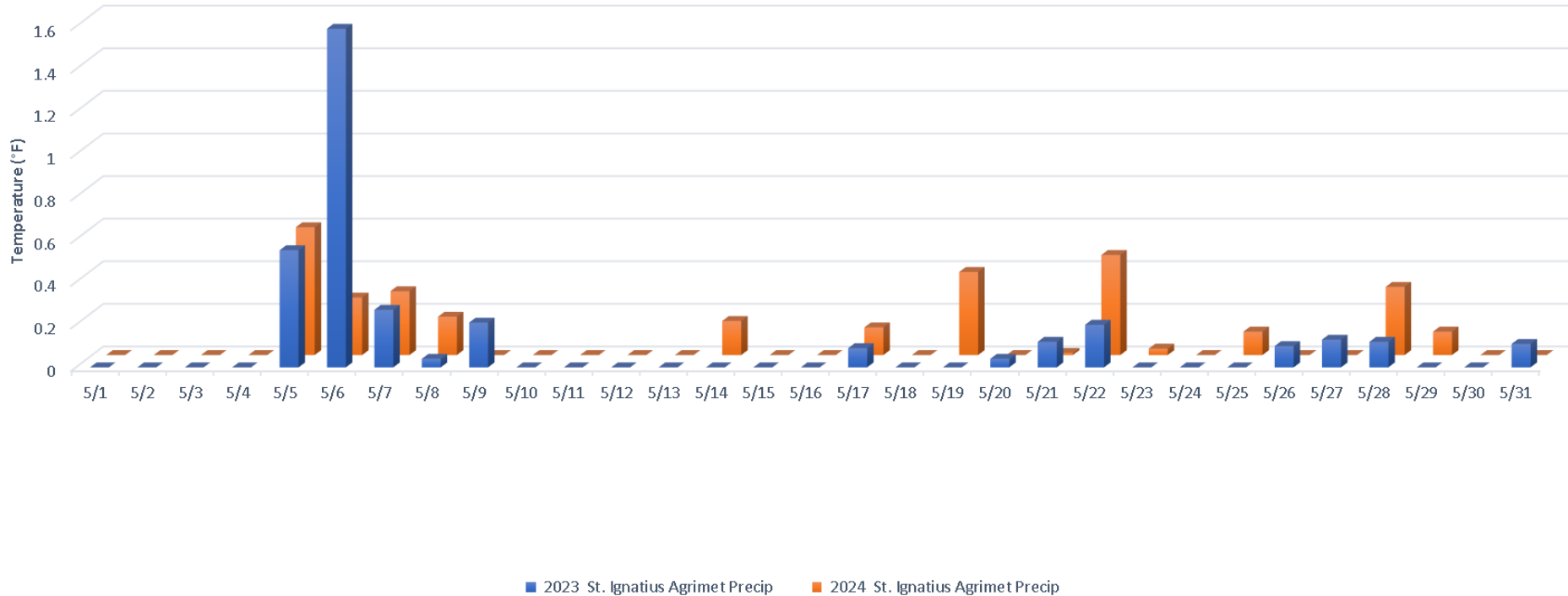
2024 Average 39.9°F



MAY 2023 vs. MAY 2024 Daily Precipitation - St. Ignatius Agrimet

2023 Total: 3.57 in.

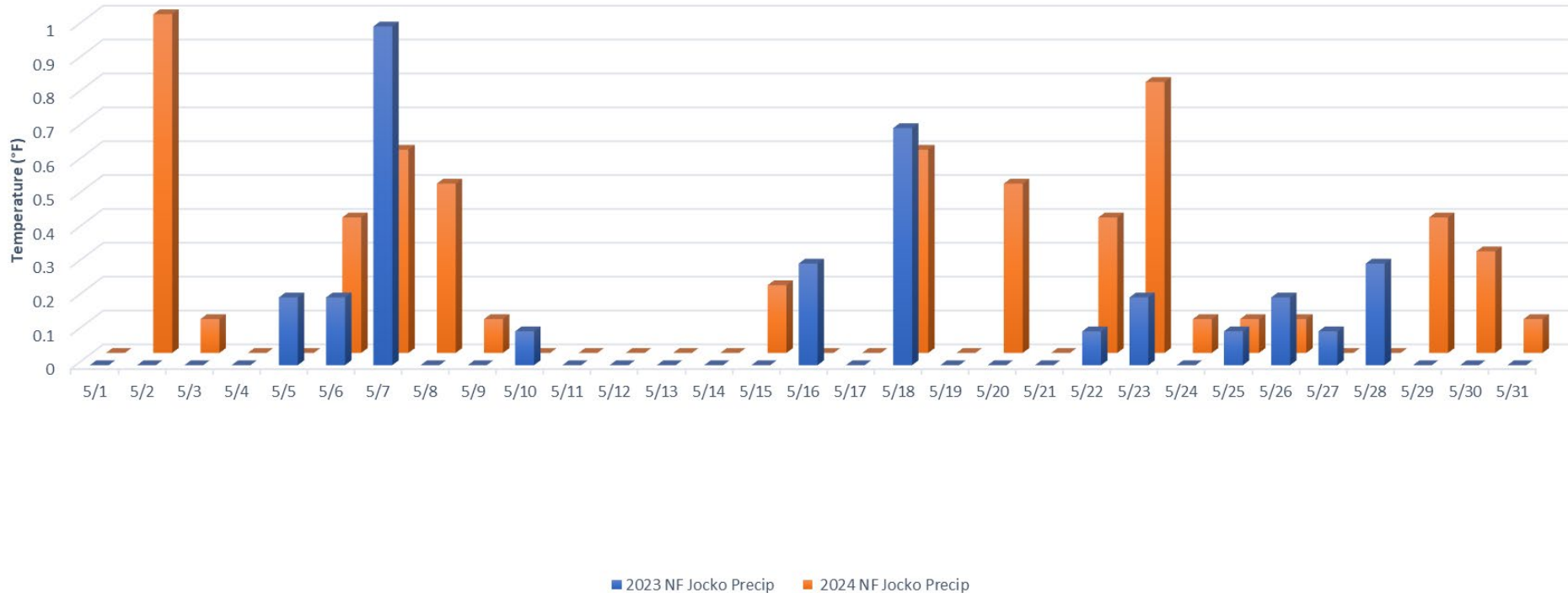
2024 Total 3.08 in.



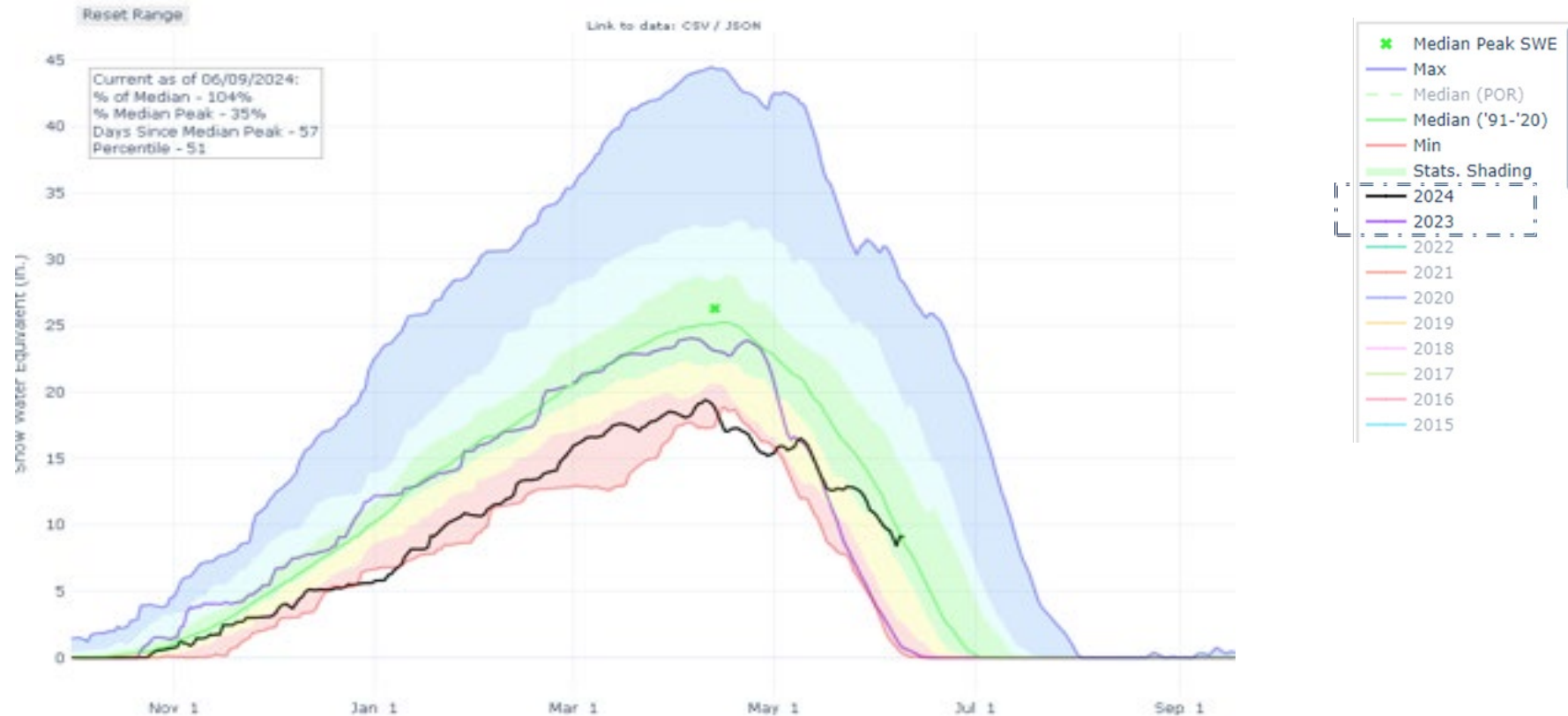
MAY 2023 vs. MAY 2024 Daily Precipitation - Jocko SNOTEL

2023 Total: 3.5 in.

2024 Total 6.3 in.



AWS Plot | SNOW WATER EQUIVALENT IN FLATHEAD

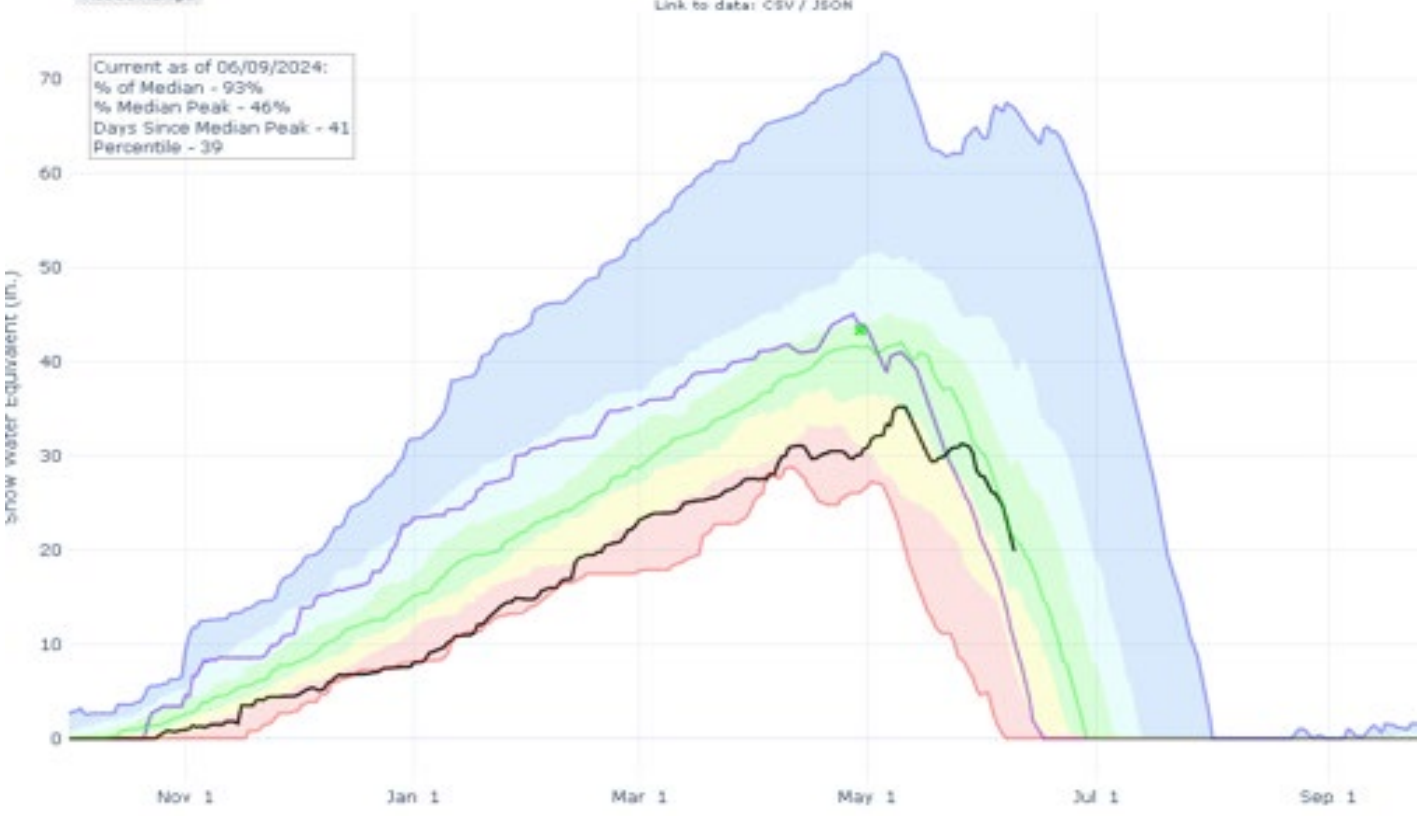


AWS Plot | MOSS PEAK, MT (646) SNOW WATER EQUIVALENT

Reset Range

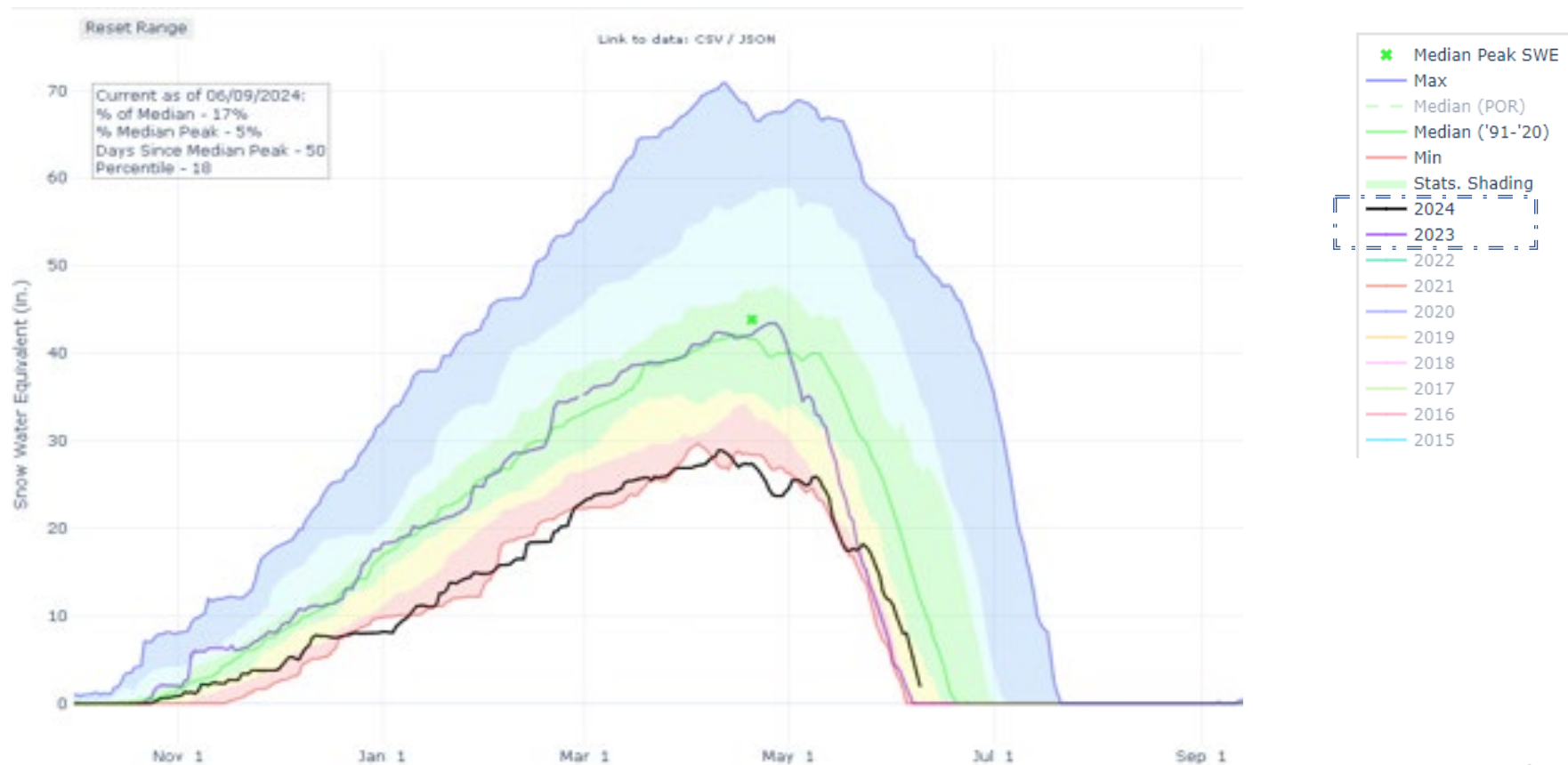
[Link to data: CSV / JSON](#)

Current as of 06/09/2024:
 % of Median - 93%
 % Median Peak - 46%
 Days Since Median Peak - 41
 Percentile - 39



- ✱ Median Peak SWE
- Max
- - - Median (POR)
- Median ('91-'20)
- Min
- Stats. Shading
- 2024
- 2023
- 2022
- 2021
- 2020
- 2019
- 2018
- 2017
- 2016
- 2015

AWS Plot | NORTH FORK JOCKO, MT (667) SNOW WATER EQUIVALENT



Report Created:
6/6/2024 9:33:34 AM

Streamflow Forecast Summary: June 1, 2024
(Medians based On 1991-2020 reference period)

| Flathead | Forecast Period | Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast | | | | | | 30yr Median (KAF) |
|---|-----------------|---|-----------|-----------|----------|-----------|-----------|-------------------|
| | | 90% (KAF) | 70% (KAF) | 50% (KAF) | % Median | 30% (KAF) | 10% (KAF) | |
| NF Flathead R nr Columbia Falls ^{1,2} | JUN-JUL | 530 | 635 | 705 | 95% | 790 | 925 | 740 |
| | JUN-SEP | 655 | 765 | 850 | 97% | 935 | 1080 | 880 |
| Swan R nr Bigfork ^{1,2} | JUN-JUL | 215 | 240 | 260 | 95% | 275 | 305 | 275 |
| | JUN-SEP | 280 | 310 | 335 | 97% | 365 | 400 | 345 |
| Flathead R at Columbia Falls ^{1,2} | JUN-JUL | 1620 | 1870 | 2070 | 91% | 2290 | 2590 | 2270 |
| | JUN-SEP | 1920 | 2200 | 2380 | 88% | 2610 | 3000 | 2710 |
| Flathead Lake Inflow ^{1,2} | | | | | | | | |
| Mission Ck nr St. Ignatius ^{1,2} | JUN-JUL | 10.9 | 13.6 | 15.4 | 85% | 17.2 | 19.9 | 18.1 |
| | JUN-SEP | 13.3 | 16.8 | 19.1 | 83% | 21 | 25 | 23 |
| MF Flathead R nr West Glacier ^{1,2} | JUN-JUL | 460 | 530 | 585 | 81% | 645 | 745 | 720 |
| | JUN-SEP | 540 | 625 | 685 | 83% | 755 | 865 | 825 |
| SF Jocko R nr Arlee ^{1,2} | JUN-JUL | 10.4 | 12.4 | 14.4 | 75% | 16.4 | 19.7 | 19.2 |
| | JUN-SEP | 12.7 | 15.3 | 17.7 | 77% | 20 | 24 | 23 |
| Hellroaring Creek ab Reservoir nr Polson ^{1,2} | JUN-JUL | 1.55 | 1.76 | 1.93 | 88% | 2.2 | 2.5 | 2.2 |
| | JUN-SEP | 2.3 | 2.5 | 2.7 | 87% | 3 | 3.4 | 3.1 |
| South Crow Ck nr Ronan ^{1,2} | JUN-JUL | 4.6 | 5.5 | 6.1 | 86% | 6.7 | 7.8 | 7.1 |
| | JUN-SEP | 5.6 | 6.7 | 7.5 | 88% | 8.4 | 10.2 | 8.5 |
| Mill Ck ab Bassoo ck nr Niarada ^{1,2} | JUN-JUL | 0.6 | 0.8 | 0.98 | 93% | 1.19 | 1.51 | 1.05 |
| | JUN-SEP | 0.88 | 1.1 | 1.28 | 93% | 1.5 | 1.87 | 1.38 |
| Sf Flathead R nr Hungry Horse ^{1,2} | JUN-JUL | 455 | 520 | 570 | 105% | 620 | 710 | 545 |
| | JUN-SEP | 490 | 570 | 625 | 103% | 680 | 810 | 605 |
| Hungry Horse Reservoir Inflow ^{1,2} | | | | | | | | |

1) 90% And 10% exceedance probabilities are actually 95% And 5%

2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Report Created:
6/6/2024 9:33:34 AM

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(Medians based On 1991-2020 reference period)

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| Swan R nr Bigfork ^{1,2} | JUN-JUL | 215 | 240 | 260 | 95% | 275 | 305 | 275 |
| | JUN-SEP | 280 | 310 | 335 | 97% | 365 | 400 | 345 |
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| | JUN-SEP | 1920 | 2200 | 2380 | 88% | 2610 | 3000 | 2710 |
| Flathead Lake Inflow ^{1,2} | | | | | | | | |
| Mission Ck nr St. Ignatius ^{1,2} | JUN-JUL | 10.9 | 13.6 | 15.4 | 85% | 17.2 | 19.9 | 18.1 |
| | JUN-SEP | 13.3 | 16.8 | 19.1 | 83% | 21 | 25 | 23 |
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| | JUN-SEP | 540 | 625 | 685 | 83% | 755 | 865 | 825 |
| SF Jocko R nr Arlee ^{1,2} | JUN-JUL | 10.4 | 12.4 | 14.4 | 75% | 16.4 | 19.7 | 19.2 |
| | JUN-SEP | 12.7 | 15.3 | 17.7 | 77% | 20 | 24 | 23 |
| Hellroaring Creek ab Reservoir nr Polson ^{1,2} | JUN-JUL | 1.55 | 1.76 | 1.93 | 88% | 2.2 | 2.5 | 2.2 |
| | JUN-SEP | 2.3 | 2.5 | 2.7 | 87% | 3 | 3.4 | 3.1 |
| South Crow Ck nr Ronan ^{1,2} | JUN-JUL | 4.6 | 5.5 | 6.1 | 86% | 6.7 | 7.8 | 7.1 |
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| | JUN-SEP | 0.88 | 1.1 | 1.28 | 93% | 1.5 | 1.87 | 1.38 |
| Sf Flathead R nr Hungry Horse ^{1,2} | JUN-JUL | 455 | 520 | 570 | 105% | 620 | 710 | 545 |
| | JUN-SEP | 490 | 570 | 625 | 103% | 680 | 810 | 605 |
| Hungry Horse Reservoir Inflow ^{1,2} | | | | | | | | |

1) 90% And 10% exceedance probabilities are actually 95% And 5%

2) Forecasts are For unimpaired flows. Actual flow will be dependent On management of upstream reservoirs And diversions

Observed (Measured) April Flows

Calculated as Mean Daily
Discharges converted
to Acre Feet Volumes

| 3521 South Crow | | 0600 Hellroaring | | USGS S. Fork Jocko | | 3121 Mill Creek | | USGS Mission Creek | |
|------------------|--------------|------------------|--------------|--------------------|--------------|------------------|--------------|--------------------|--------------|
| Date | Mean Q (cfs) | Date | Mean Q (cfs) | Date | Mean Q (cfs) | Date | Mean Q (cfs) | Date | Mean Q (cfs) |
| 4/1/2024 | 8.4 | 4/1/2024 | 9.7 | 4/1/2024 | 18.7 | 4/1/2024 | 3.7 | 4/1/2024 | 14.6 |
| 4/2/2024 | 8.4 | 4/2/2024 | 9.9 | 4/2/2024 | 20.5 | 4/2/2024 | 3.8 | 4/2/2024 | 14.8 |
| 4/3/2024 | 9.0 | 4/3/2024 | 11.1 | 4/3/2024 | 27.2 | 4/3/2024 | 4.5 | 4/3/2024 | 18.7 |
| 4/4/2024 | 13.3 | 4/4/2024 | 11.7 | 4/4/2024 | 37.3 | 4/4/2024 | 5.6 | 4/4/2024 | 26 |
| 4/5/2024 | 15.9 | 4/5/2024 | 13.3 | 4/5/2024 | 48 | 4/5/2024 | 7.5 | 4/5/2024 | 32.3 |
| 4/6/2024 | 15.7 | 4/6/2024 | 13.1 | 4/6/2024 | 49.5 | 4/6/2024 | 8.3 | 4/6/2024 | 33.4 |
| 4/7/2024 | 14.0 | 4/7/2024 | 12.0 | 4/7/2024 | 46.6 | 4/7/2024 | 7.4 | 4/7/2024 | 33.1 |
| 4/8/2024 | 13.0 | 4/8/2024 | 10.7 | 4/8/2024 | 43.1 | 4/8/2024 | 6.9 | 4/8/2024 | 29.7 |
| 4/9/2024 | 12.6 | 4/9/2024 | 9.8 | 4/9/2024 | 43.3 | 4/9/2024 | 6.7 | 4/9/2024 | 27.1 |
| 4/10/2024 | 12.6 | 4/10/2024 | 9.0 | 4/10/2024 | 44.5 | 4/10/2024 | 6.8 | 4/10/2024 | 25.6 |
| 4/11/2024 | 12.8 | 4/11/2024 | 9.2 | 4/11/2024 | 47.5 | 4/11/2024 | 6.8 | 4/11/2024 | 24.4 |
| 4/12/2024 | 13.7 | 4/12/2024 | 9.8 | 4/12/2024 | 54.3 | 4/12/2024 | 7.0 | 4/12/2024 | 25.2 |
| 4/13/2024 | 18.4 | 4/13/2024 | 11.9 | 4/13/2024 | 71.7 | 4/13/2024 | 7.7 | 4/13/2024 | 32 |
| 4/14/2024 | 26.1 | 4/14/2024 | 15.2 | 4/14/2024 | 103 | 4/14/2024 | 8.9 | 4/14/2024 | 47 |
| 4/15/2024 | 31.6 | 4/15/2024 | 16.9 | 4/15/2024 | 139 | 4/15/2024 | 11.3 | 4/15/2024 | 61 |
| 4/16/2024 | 26.2 | 4/16/2024 | 16.5 | 4/16/2024 | 135 | 4/16/2024 | 14.6 | 4/16/2024 | 62.1 |
| 4/17/2024 | 22.8 | 4/17/2024 | 14.4 | 4/17/2024 | 111 | 4/17/2024 | 16.5 | 4/17/2024 | 55.7 |
| 4/18/2024 | 22.1 | 4/18/2024 | 12.4 | 4/18/2024 | 94.6 | 4/18/2024 | 15.8 | 4/18/2024 | 48.8 |
| 4/19/2024 | 20.0 | 4/19/2024 | 11.1 | 4/19/2024 | 85.5 | 4/19/2024 | 14.4 | 4/19/2024 | 42.1 |
| 4/20/2024 | 17.7 | 4/20/2024 | 9.9 | 4/20/2024 | 79.6 | 4/20/2024 | 13.5 | 4/20/2024 | 36.6 |
| 4/21/2024 | 16.4 | 4/21/2024 | 9.5 | 4/21/2024 | 76.9 | 4/21/2024 | 12.4 | 4/21/2024 | 33.7 |
| 4/22/2024 | 15.1 | 4/22/2024 | 9.0 | 4/22/2024 | 73.5 | 4/22/2024 | 11.2 | 4/22/2024 | 31.5 |
| 4/23/2024 | 14.4 | 4/23/2024 | 8.7 | 4/23/2024 | 73 | 4/23/2024 | 10.3 | 4/23/2024 | 29.6 |
| 4/24/2024 | 14.6 | 4/24/2024 | 8.7 | 4/24/2024 | 77.3 | 4/24/2024 | 9.5 | 4/24/2024 | 29.3 |
| 4/25/2024 | 16.1 | 4/25/2024 | 9.0 | 4/25/2024 | 85.7 | 4/25/2024 | 9.0 | 4/25/2024 | 33.1 |
| 4/26/2024 | 16.5 | 4/26/2024 | 9.2 | 4/26/2024 | 88.7 | 4/26/2024 | 9.6 | 4/26/2024 | 36.4 |
| 4/27/2024 | 16.7 | 4/27/2024 | 10.0 | 4/27/2024 | 93.7 | 4/27/2024 | 10.2 | 4/27/2024 | 38.5 |
| 4/28/2024 | 17.7 | 4/28/2024 | 10.8 | 4/28/2024 | 103 | 4/28/2024 | 11.2 | 4/28/2024 | 40.5 |
| 4/29/2024 | 17.1 | 4/29/2024 | 10.3 | 4/29/2024 | 98.3 | 4/29/2024 | 12.3 | 4/29/2024 | 38.6 |
| 4/30/2024 | 16.4 | 4/30/2024 | 9.9 | 4/30/2024 | 93.1 | 4/30/2024 | 13.5 | 4/30/2024 | 36.9 |
| Acre Feet | 983 | Acre Feet | 661 | Acre Feet | 4292 | Acre Feet | 569 | Acre Feet | 2060 |

Observed (Measured) May Flows

Calculated as Mean Daily
Discharges converted
to Acre Feet Volumes

| 3521 South Crow | | 0600 Hellroaring | | USGS S. Fork Jocko | | 3121 Mill Creek | | USGS Mission Creek | |
|------------------|--------------|------------------|--------------|--------------------|--------------|------------------|--------------|--------------------|--------------|
| Date | Mean Q (cfs) | Date | Mean Q (cfs) | Date | Mean Q (cfs) | Date | Mean Q (cfs) | Date | Mean Q (cfs) |
| 5/1/2024 | 15.5 | 5/1/2024 | 9.6 | 5/1/2024 | 92 | 5/1/2024 | 14.1 | 5/1/2024 | 34.5 |
| 5/2/2024 | 15.2 | 5/2/2024 | 9.1 | 5/2/2024 | 89.9 | 5/2/2024 | 14.1 | 5/2/2024 | 33.9 |
| 5/3/2024 | 14.5 | 5/3/2024 | 8.7 | 5/3/2024 | 86.2 | 5/3/2024 | 13.5 | 5/3/2024 | 30.7 |
| 5/4/2024 | 13.8 | 5/4/2024 | 8.7 | 5/4/2024 | 83.5 | 5/4/2024 | 12.9 | 5/4/2024 | 29.4 |
| 5/5/2024 | 14.2 | 5/5/2024 | 9.6 | 5/5/2024 | 89.3 | 5/5/2024 | 12.3 | 5/5/2024 | 31 |
| 5/6/2024 | 27.8 | 5/6/2024 | 18.1 | 5/6/2024 | 111 | 5/6/2024 | 11.8 | 5/6/2024 | 47.8 |
| 5/7/2024 | 25.3 | 5/7/2024 | 15.8 | 5/7/2024 | 107 | 5/7/2024 | 11.1 | 5/7/2024 | 47.3 |
| 5/8/2024 | 25.0 | 5/8/2024 | 14.9 | 5/8/2024 | 109 | 5/8/2024 | 11.3 | 5/8/2024 | 52.4 |
| 5/9/2024 | 25.1 | 5/9/2024 | 14.6 | 5/9/2024 | 109 | 5/9/2024 | 11.3 | 5/9/2024 | 45.7 |
| 5/10/2024 | 29.8 | 5/10/2024 | 16.1 | 5/10/2024 | 116 | 5/10/2024 | 11.4 | 5/10/2024 | 53.3 |
| 5/11/2024 | 38.1 | 5/11/2024 | 19.0 | 5/11/2024 | 137 | 5/11/2024 | 11.7 | 5/11/2024 | 69.3 |
| 5/12/2024 | 46.7 | 5/12/2024 | 22.7 | 5/12/2024 | 163 | 5/12/2024 | 14.0 | 5/12/2024 | 106 |
| 5/13/2024 | 59.1 | 5/13/2024 | 28.6 | 5/13/2024 | 194 | 5/13/2024 | 18.3 | 5/13/2024 | 153 |
| 5/14/2024 | 66.7 | 5/14/2024 | 32.9 | 5/14/2024 | 229 | 5/14/2024 | 20.7 | 5/14/2024 | 186 |
| 5/15/2024 | 64.1 | 5/15/2024 | 31.7 | 5/15/2024 | 250 | 5/15/2024 | 21.3 | 5/15/2024 | 181 |
| 5/16/2024 | 64.2 | 5/16/2024 | 34.1 | 5/16/2024 | 253 | 5/16/2024 | 21.1 | 5/16/2024 | 173 |
| 5/17/2024 | 83.2 | 5/17/2024 | 39.9 | 5/17/2024 | 277 | 5/17/2024 | 21.2 | 5/17/2024 | 194 |
| 5/18/2024 | 69.6 | 5/18/2024 | 27.5 | 5/18/2024 | 245 | 5/18/2024 | 19.9 | 5/18/2024 | 144 |
| 5/19/2024 | 53.4 | 5/19/2024 | 21.2 | 5/19/2024 | 230 | 5/19/2024 | 18.6 | 5/19/2024 | 108 |
| 5/20/2024 | 45.0 | 5/20/2024 | 18.1 | 5/20/2024 | 209 | 5/20/2024 | 16.8 | 5/20/2024 | 85.4 |
| 5/21/2024 | 38.4 | 5/21/2024 | 16.3 | 5/21/2024 | 197 | 5/21/2024 | 15.8 | 5/21/2024 | 73.7 |
| 5/22/2024 | 37.9 | 5/22/2024 | 17.0 | 5/22/2024 | 197 | 5/22/2024 | 15.1 | 5/22/2024 | 74.2 |
| 5/23/2024 | 39.5 | 5/23/2024 | 17.0 | 5/23/2024 | 201 | 5/23/2024 | 13.8 | 5/23/2024 | 77.1 |
| 5/24/2024 | 36.5 | 5/24/2024 | 17.7 | 5/24/2024 | 194 | 5/24/2024 | 12.6 | 5/24/2024 | 73.2 |
| 5/25/2024 | 34.8 | 5/25/2024 | 17.6 | 5/25/2024 | 191 | 5/25/2024 | 11.7 | 5/25/2024 | 69.9 |
| 5/26/2024 | 33.4 | 5/26/2024 | 17.0 | 5/26/2024 | 191 | 5/26/2024 | 10.9 | 5/26/2024 | 66.9 |
| 5/27/2024 | 30.6 | 5/27/2024 | 16.4 | 5/27/2024 | 183 | 5/27/2024 | 10.1 | 5/27/2024 | 64.2 |
| 5/28/2024 | 33.0 | 5/28/2024 | 18.4 | 5/28/2024 | 187 | 5/28/2024 | 9.8 | 5/28/2024 | 76.8 |
| 5/29/2024 | 63.1 | 5/29/2024 | 28.8 | 5/29/2024 | 237 | 5/29/2024 | 9.5 | 5/29/2024 | 185 |
| 5/30/2024 | 71.9 | 5/30/2024 | 23.4 | 5/30/2024 | 231 | 5/30/2024 | 9.0 | 5/30/2024 | 156 |
| 5/31/2024 | 58.4 | 5/31/2024 | 19.6 | 5/31/2024 | 208 | 5/31/2024 | 8.8 | 5/31/2024 | 108 |
| Acre Feet | 2527 | Acre Feet | 1211 | Acre Feet | 10707 | Acre Feet | 862 | Acre Feet | 5616 |

Observed (Measured) April - May Total Flows

| 3521 South Crow | | 0600 Hellroaring | | USGS S. Fork Jocko | | 3121 Mill Creek | | USGS Mission Creek | |
|-----------------|-----------------|------------------|-----------------|--------------------|-----------------|-----------------|-----------------|--------------------|-----------------|
| Month | Mean Q (cfs) | Month | Mean Q (cfs) | Month | Mean Q (cfs) | Month | Mean Q (cfs) | Month | Mean Q (cfs) |
| April | 983 | April | 661 | April | 4,292 | April | 569 | April | 2,060 |
| May | 2,527 | May | 1,211 | May | 10,707 | May | 862 | May | 5,616 |
| Total | 3,500 | Total | 1,900 | Total | 15,000 | Total | 1,400 | Total | 7,700 |

Note** The above "Total" Row represents the April-May volumetric totals to add to Forecast values.

Volumes are rounded to two significant digits to be consistent with input values.

Table 1: June 2024 Water Year and Streamflow Forecast (updated 06.06.24)

| Table 1: June 2024 Water Year and Streamflow Forecast (updated 06.06.24) | | | | | | | | |
|--|---|--------|--------|--------|----------|-------------------------------------|-----------------|------------------------------|
| | June NRCS Forecast (June thru July NRCS forecast + April thru May measured flows) | | | | | Site-Specific Water Year Thresholds | | |
| Geographic Area | Gage Site | 70% | 50% | 30% | % Median | Dry Year | Normal Year | Wet Year |
| Jocko | South Fork Jocko near Arlee | 27,400 | 29,400 | 31,400 | 75% | <24,000 | 24,000 - 36,000 | >36,000 |
| Mission | Mission Creek near St. Ignatius | 21,300 | 23,100 | 24,900 | 85% | <21,100 | 21,100 - 29,000 | >29,000 |
| | South Crow Creek near Ronan | 9,000 | 9,600 | 10,200 | 86% | <7,700 | 7,700 - 11,800 | >11,800 |
| | Hellroaring Creek | 3,660 | 3,830 | 4,100 | 88% | <3,350 | 3,350-4,750 | >4,750 |
| Little Bitterroot | Mill Creek above Bassoo Creek near Niarada | 2,200 | 2,380 | 2,590 | 93% | <2,200 | 2,200 - 4,900 | >4,900 |
| | | Wet | | | | | | |
| | | Normal | | | | | | *all values are in acre feet |
| | | Dry | | | | | | |

2024 Forecast Comparison

| APRIL 1 Forecast | | | | | |
|-------------------|--|--------|--------|--------|----------|
| Geographic Area | Gage Site | 70% | 50% | 30% | % Median |
| Jocko | South Fork Jocko near Arlee | 22,000 | 25,000 | 29,000 | 71% |
| Mission | Mission Creek near St. Ignatius | 23,000 | 25,000 | 27,000 | 96% |
| | South Crow Creek near Ronan | 8,600 | 9,300 | 10,500 | 93% |
| | Hellroaring Creek | 3,200 | 3,500 | 4,000 | 85% |
| Little Bitterroot | Mill Creek above Bassoo Creek near Niarada | 2,100 | 2,600 | 3,100 | 55% |

| MAY 1 Forecast (Observed April Flows + May-July Forecast) | | | | | |
|---|--|--------|--------|--------|----------|
| Geographic Area | Gage Site | 70% | 50% | 30% | % Median |
| Jocko | South Fork Jocko near Arlee | 22,230 | 24,130 | 27,330 | 69% |
| Mission | Mission Creek near St. Ignatius | 19,930 | 22,030 | 25,030 | 85% |
| | South Crow Creek near Ronan | 7,180 | 8,580 | 9,080 | 86% |
| | Hellroaring Creek | 3,160 | 3,360 | 3,660 | 82% |
| Little Bitterroot | Mill Creek above Bassoo Creek near Niarada | 2,020 | 2,290 | 2,670 | 49% |

| MAY 14 Forecast (Observed April Flows + Revised May-July Forecast) | | | | | |
|--|---------------------------------|--|--------|--------|----------|
| Geographic Area | Gage Site | 70% | 50% | 30% | % Median |
| Jocko | South Fork Jocko near Arlee | 24,790 | 27,090 | 29,790 | 77% |
| Mission | Mission Creek near St. Ignatius | 23,060 | 24,360 | 26,060 | 93% |
| | South Crow Creek near Ronan | 8,280 | 9,080 | 9,880 | 91% |
| | Hellroaring Creek | 3,360 | 3,660 | 3,960 | 89% |
| | Little Bitterroot | Mill Creek above Bassoo Creek near Niarada | 2,170 | 2,570 | 3,070 |

| JUNE Forecast (Observed April/May Flows + June thru July Forecast) | | | | | |
|--|--|--------|--------|--------|----------|
| Geographic Area | Gage Site | 70% | 50% | 30% | % Median |
| Jocko | South Fork Jocko near Arlee | 27,400 | 29,400 | 31,400 | 75% |
| Mission | Mission Creek near St. Ignatius | 21,300 | 23,100 | 24,900 | 85% |
| | South Crow Creek near Ronan | 9,000 | 9,600 | 10,200 | 86% |
| | Hellroaring Creek | 3,660 | 3,830 | 4,100 | 88% |
| Little Bitterroot | Mill Creek above Bassoo Creek near Niarada | 2,200 | 2,380 | 2,590 | 93% |

| Gage Site | Dry Year | Normal Year | Wet Year |
|--|----------|-----------------|----------|
| South Fork Jocko near Arlee | <24,000 | 24,000 - 36,000 | >36,000 |
| Mission Creek near St. Ignatius | <21,100 | 21,100 - 29,000 | >29,000 |
| South Crow Creek near Ronan | <7,700 | 7,700 - 11,800 | >11,800 |
| Hellroaring Creek | <3,350 | 3,350-4,750 | >4,750 |
| Mill Creek above Bassoo Creek near Niarada | <2,200 | 2,200 - 4,900 | >4,900 |

2024 Water Supply Outlook Summary (06/12/24)

- ° Wet and Cool May was favorable for snowpack to hold . Volumetrically, the SWE totals are still below normal.
- ° Outlooks favor below average temperature and above average precipitation in the 6-10 day but an overall warmer and drier June than normal.
- ° June through July streamflow forecasts, combined with observed April through May flows, indicate streamflow volumes that fit within the dry end of the normal-year category (50% exceedance probability) for all forecast locations. These values indicate improvements over previous forecasts.

Table 1: June 2024 Water Year and Streamflow Forecast (updated 06.06.24)

| June NRCS Forecast (June thru July NRCS forecast + April thru May measured flows) | | | | | | Site-Specific Water Year Thresholds | | |
|---|--|--------|--------|--------|----------|-------------------------------------|-----------------|----------|
| Geographic Area | Gage Site | 70% | 50% | 30% | % Median | Dry Year | Normal Year | Wet Year |
| Jocko | South Fork Jocko near Arlee | 27,400 | 29,400 | 31,400 | 75% | <24,000 | 24,000 - 36,000 | >36,000 |
| Mission | Mission Creek near St. Ignatius | 21,300 | 23,100 | 24,900 | 85% | <21,100 | 21,100 - 29,000 | >29,000 |
| | South Crow Creek near Ronan | 9,000 | 9,600 | 10,200 | 86% | <7,700 | 7,700 - 11,800 | >11,800 |
| | Hellroaring Creek | 3,660 | 3,830 | 4,100 | 88% | <3,350 | 3,350-4,750 | >4,750 |
| Little Bitterroot | Mill Creek above Bassoo Creek near Niarada | 2,200 | 2,380 | 2,590 | 93% | <2,200 | 2,200 - 4,900 | >4,900 |

| |
|--------|
| Wet |
| Normal |
| Dry |

*all values are in acre feet