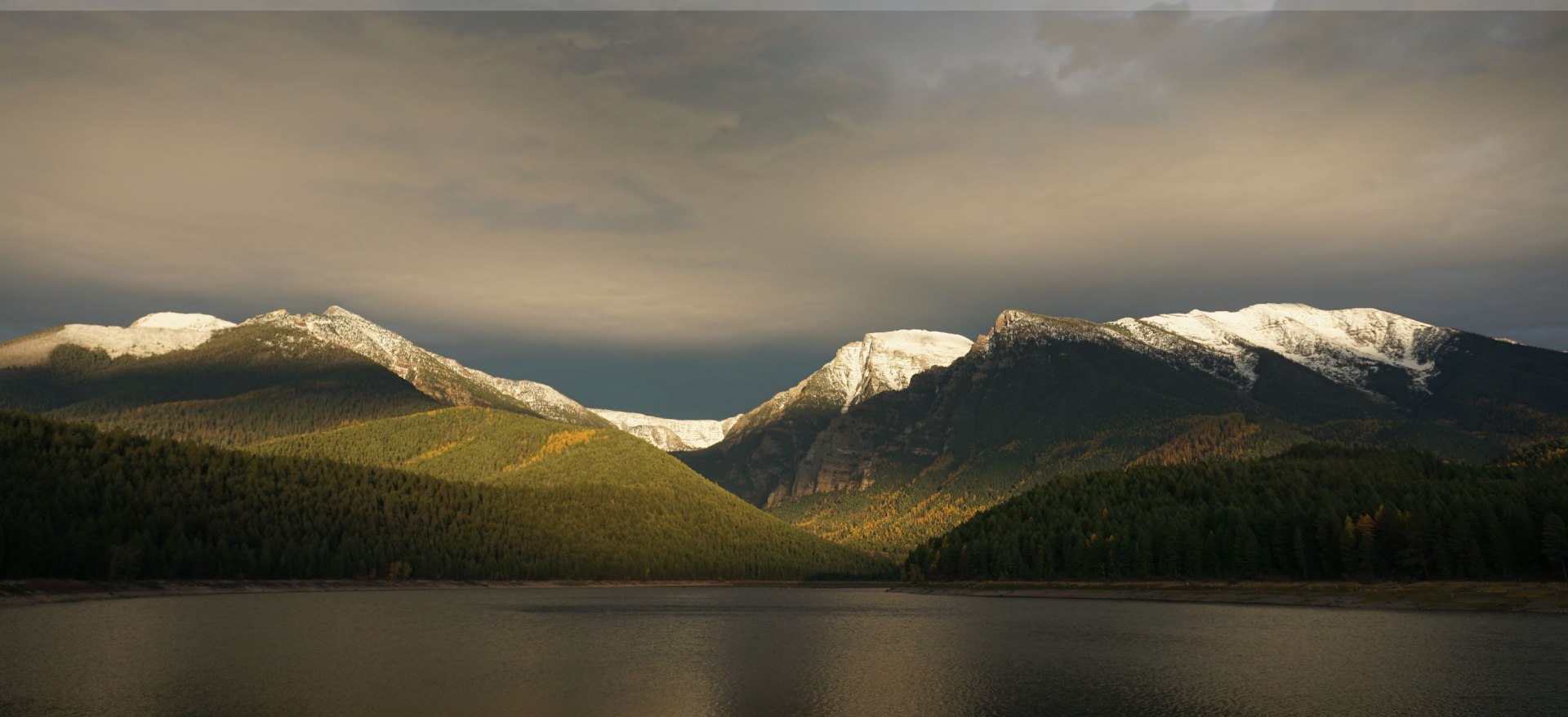


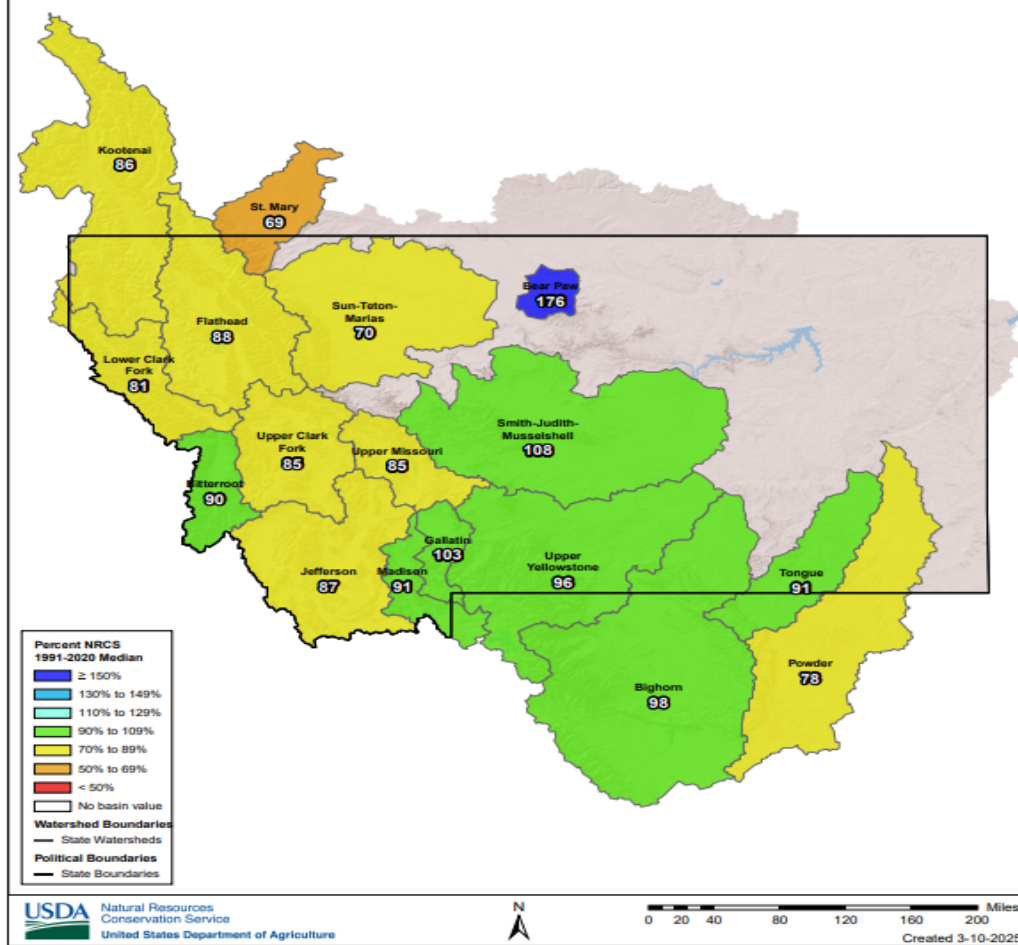
2025 Water Supply Outlook (03/12/25)

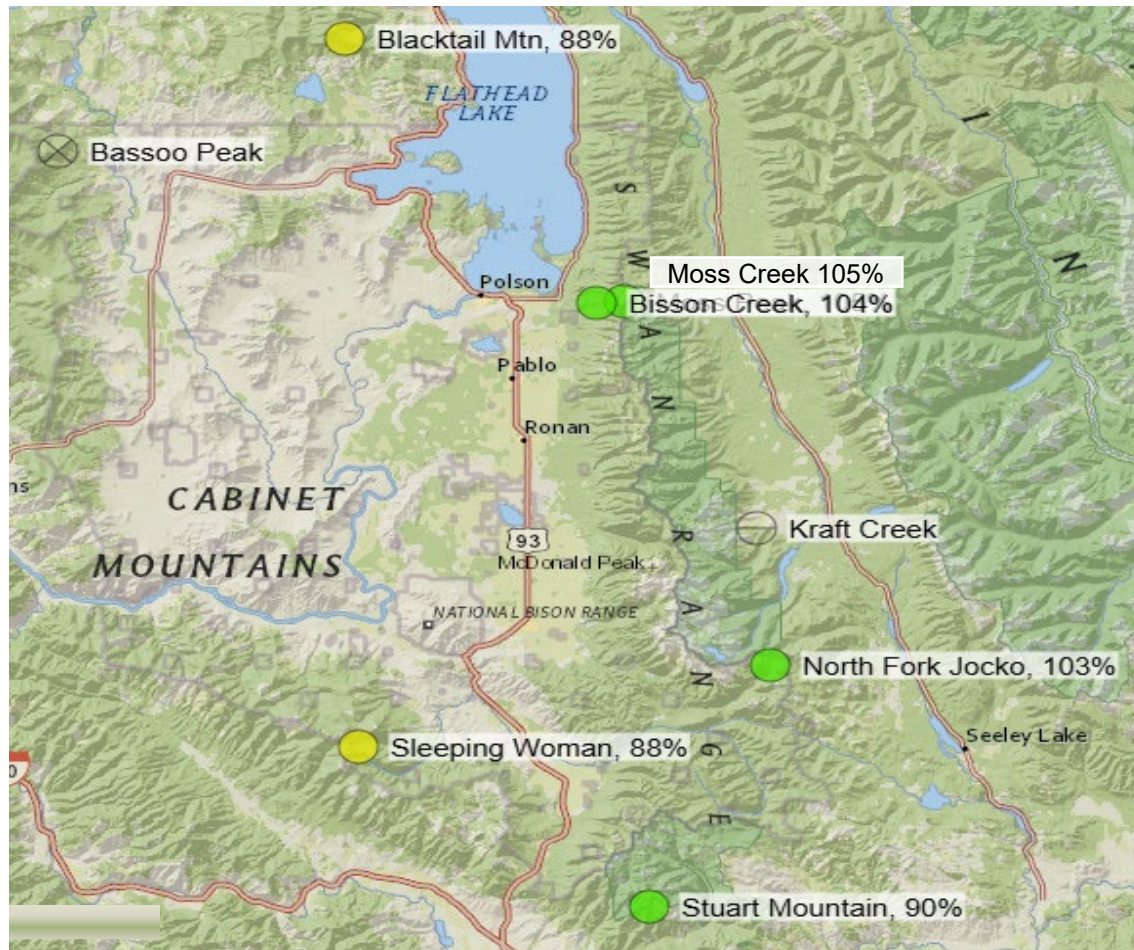


Approximate date	Purpose of Meeting
End of January	Review reservoir carryover and initial projection of water supply, tentatively categorize water-year type
End of February	Review reservoir carryover and initial projection of water supply, tentatively categorize water-year type, set March wet and normal 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

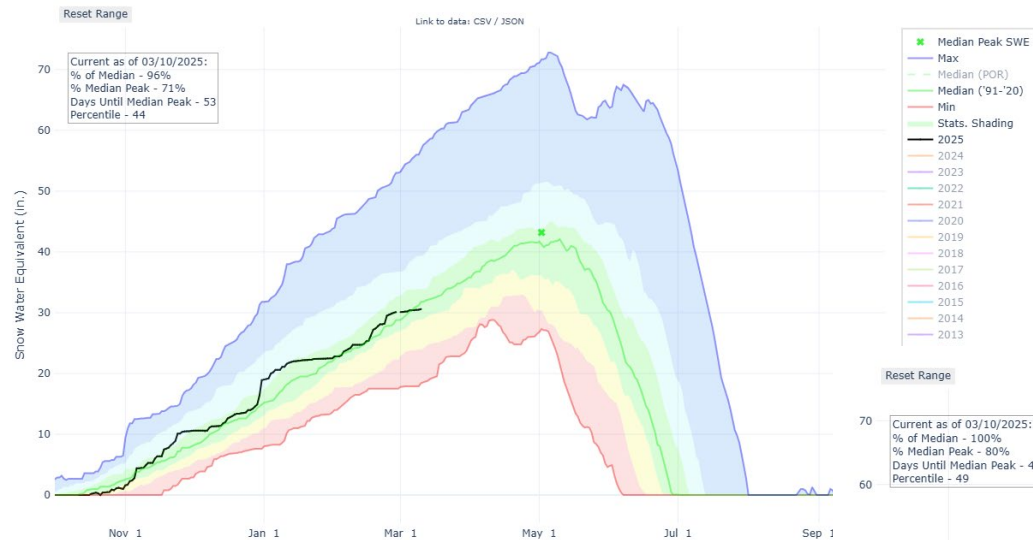
3.5 Timeline



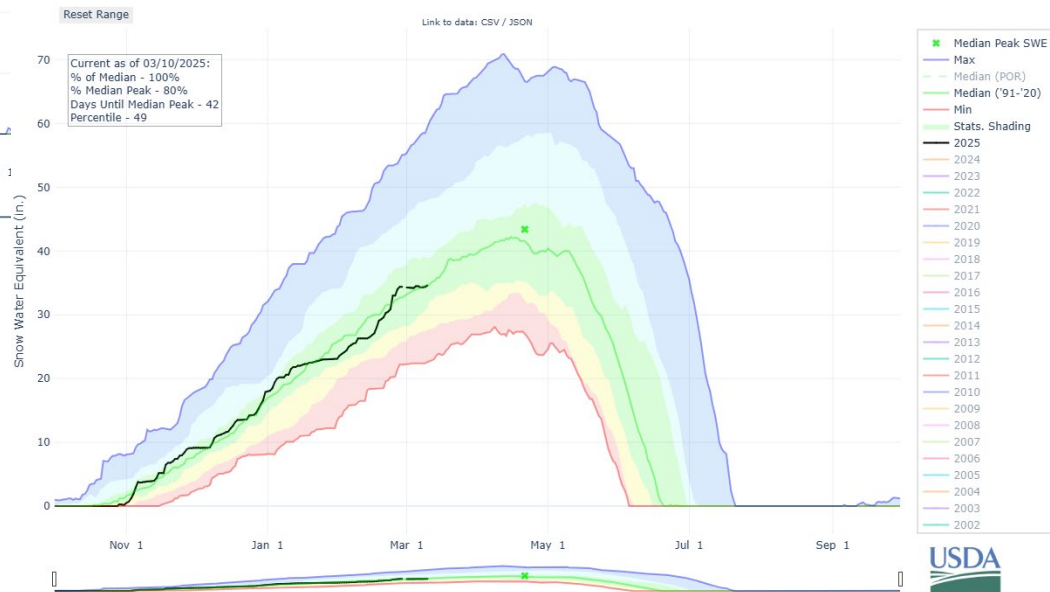


SNOTEL % Medians - March 10, 2025

Moss Peak – Elev. 6760'



North Fork Jocko – Elev. 6110'

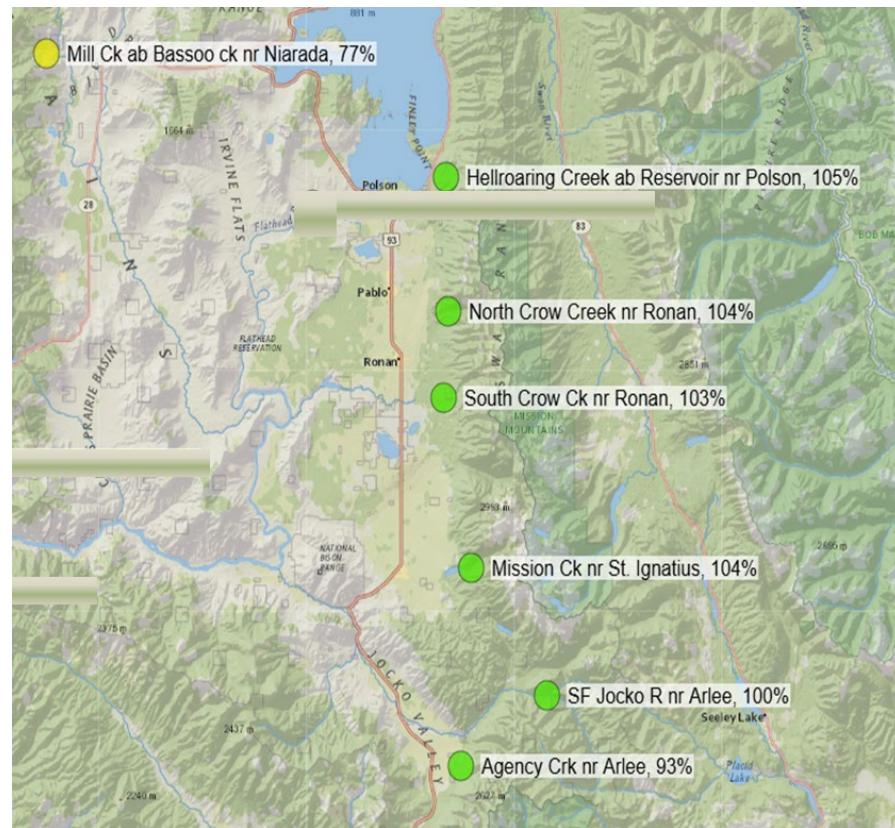


Forecasting – NRCS Basin Reports

Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast								
Flathead	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Hungry Horse Reservoir Inflow ^{1,2}								
	APR-JUL	1120	1520	1640	89%	1760	2160	1850
	APR-SEP	1170	1600	1730	88%	1860	2060	1960
SF Jocko R nr Arlee ^{1,2}								
	APR-JUL	25	31	35	100%	39	47	35
	APR-SEP	29	35	39	100%	44	53	39
MF Flathead R nr West Glacier ^{1,2}								
	APR-JUL	955	1100	1220	83%	1310	1510	1470
	APR-SEP	985	1190	1340	83%	1480	1690	1620
Hellroaring Creek ab Reservoir nr Polson ^{1,2}								
	APR-JUL	3.3	3.9	4.3	105%	4.8	5.5	4.1
	APR-SEP	4.3	4.9	5.3	102%	5.9	6.6	5.2
Mission Ck nr St. Ignatius ^{1,2}								
	APR-JUL	22	25	27	104%	30	34	26
	APR-SEP	25	28	31	100%	34	38	31
SF Flathead R nr Hungry Horse ^{1,2}								
	APR-JUL	835	930	1020	83%	1100	1220	1230
	APR-SEP	890	985	1090	84%	1180	1310	1290
Flathead Lake Inflow ^{1,2}								
	APR-JUL	3570	4730	5250	93%	5770	6930	5670
	APR-SEP	3790	5060	5640	89%	6220	7490	6310
North Crow Creek nr Ronan ^{1,2}								
	APR-JUL	14.4	16.7	18.4	104%	20	23	17.7
	APR-SEP	16.5	19.1	21	95%	23	26	22
Agency Crk nr Arlee ^{1,2}								
	APR-JUL	4.3	5.1	5.7	93%	6.3	7.2	6.1
	APR-SEP	5	6	6.7	94%	7.3	8.2	7.1
South Crow Ck nr Ronan ^{1,2}								
	APR-JUL	8.3	9.5	10.5	103%	11.8	13.5	10.2
	APR-SEP	9.5	11.1	12.2	106%	13.7	15.7	11.5
Flathead R at Columbia Falls ^{1,2}								
	APR-JUL	3300	3740	4070	84%	4430	4950	4870
	APR-SEP	3470	3950	4320	80%	4730	5390	5400
NF Flathead R nr Columbia Falls ^{1,2}								
	APR-JUL	1000	1200	1330	86%	1450	1650	1540
	APR-SEP	1040	1310	1470	86%	1630	1840	1700
Swan R nr Bigfork ^{1,2}								
	APR-JUL	375	430	475	90%	520	585	525
	APR-SEP	420	480	530	91%	590	680	585
Mill Ck ab Bassoo ck nr Niarada ^{1,2}								
	APR-JUL	1.48	2.6	3.6	77%	4.7	6.6	4.7
	APR-SEP	1.72	2.9	3.9	80%	5	7	4.9

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



Agency Creek 80/20 Threshold Determination

<i>Agency Cr (5167.00)</i>			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5%	11,337	1997
2	10%	8,224	1996
3	14%	7,652	1989
4	19%	6,887	1986
5	24%	6,843	1990
6	29%	6,746	1991
7	33%	6,479	1984
8	38%	6,443	1999
9	43%	6,267	2002
10	48%	6,068	1983
11	52%	5,961	2001
12	57%	5,540	1993
13	62%	5,101	1985
14	67%	5,011	1988
15	71%	4,830	1994
16	76%	4,776	1998
17	81%	4,600	1992
18	86%	4,242	1995
19	90%	4,209	1987
20	95%	4,124	2000

Agency Creek 80/20 Threshold Determination

Agency Cr (5167.00)			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5%	11,337	1997
2	10%	8,224	1996
3	14%	7,652	1989
4	19%	6,887	1986
5	24%	6,843	1990
6	29%	6,746	1991
7	33%	6,479	1984
8	38%	6,443	1999
9	43%	6,267	2002
10	48%	6,068	1983
11	52%	5,961	2001
12	57%	5,540	1993
13	62%	5,101	1985
14	67%	5,011	1988
15	71%	4,830	1994
16	76%	4,776	1998
17	81%	4,600	1992
18	86%	4,242	1995
19	90%	4,209	1987
20	95%	4,124	2000

1983-2002 Exceedance Probabilities			
Agency Creek			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5	11,337	1997
2	10	8,224	1996
3	14	7,652	1989
4	19	6,887	1986
5	24	6,843	1990
6	29	6,746	1991
7	33	6,479	1984
8	38	6,443	1999
9	43	6,267	2002
10	48	6,068	1983
11	52	5,961	2001
12	57	5,540	1993
13	62	5,101	1985
14	67	5,011	1988
15	71	4,830	1994
16	76	4,776	1998
17	81	4,600	1992
18	86	4,242	1995
19	90	4,209	1987
20	95	4,124	2000

20% Threshold	
19	6,887
20	6,878
21	6,869
22	6,861
23	6,852
24	6,843

80% Threshold	
76	4,776
77	4,741
78	4,706
79	4,670
80	4,635
81	4,600

Agency Creek 80/20 Threshold Determination

Agency Cr (5167.00)			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5%	11,337	1997
2	10%	8,224	1996
3	14%	7,652	1989
4	19%	6,887	1986
5	24%	6,843	1990
6	29%	6,746	1991
7	33%	6,479	1984
8	38%	6,443	1999
9	43%	6,267	2002
10	48%	6,068	1983
11	52%	5,961	2001
12	57%	5,540	1993
13	62%	5,101	1985
14	67%	5,011	1988
15	71%	4,830	1994
16	76%	4,776	1998
17	81%	4,600	1992
18	86%	4,242	1995
19	90%	4,209	1987
20	95%	4,124	2000

1983-2002 Exceedance Probabilities			
Agency Creek			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5	11,337	1997
2	10	8,224	1996
3	14	7,652	1989
4	19	6,887	1986
5	24	6,843	1990
6	29	6,746	1991
7	33	6,479	1984
8	38	6,443	1999
9	43	6,267	2002
10	48	6,068	1983
11	52	5,961	2001
12	57	5,540	1993
13	62	5,101	1985
14	67	5,011	1988
15	71	4,830	1994
16	76	4,776	1998
17	81	4,600	1992
18	86	4,242	1995
19	90	4,209	1987
20	95	4,124	2000

20% Threshold	
19	6,887
20	6,878
21	6,869
22	6,861
23	6,852
24	6,843

80% Threshold	
76	4,776
77	4,741
78	4,706
79	4,670
80	4,635
81	4,600

	Dry Year	Normal Year	Wet Year
Agency Creek	<4,640	4,640-6,880	>6,880

North Crow 80/20 Threshold Determination

<i>North Crow Cr (3512.00)</i>			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5%	25,277	1997
2	10%	24,748	1983
3	14%	23,058	1993
4	19%	22,937	1984
5	24%	21,692	1996
6	29%	20,925	1990
7	33%	20,547	1991
8	38%	19,943	1986
9	43%	19,889	1989
10	48%	18,601	1999
11	52%	18,546	1995
12	57%	17,800	1998
13	62%	17,367	2002
14	67%	16,984	1985
15	71%	16,294	2000
16	76%	15,302	1994
17	81%	14,169	2001
18	86%	13,367	1988
19	90%	13,016	1987
20	95%	12,860	1992

North Crow 80/20 Threshold Determination

North Crow Cr (3512.00)			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5%	25,277	1997
2	10%	24,748	1983
3	14%	23,058	1993
4	19%	22,937	1984
5	24%	21,692	1996
6	29%	20,925	1990
7	33%	20,547	1991
8	38%	19,943	1986
9	43%	19,889	1989
10	48%	18,601	1999
11	52%	18,546	1995
12	57%	17,800	1998
13	62%	17,367	2002
14	67%	16,984	1985
15	71%	16,294	2000
16	76%	15,302	1994
17	81%	14,169	2001
18	86%	13,367	1988
19	90%	13,016	1987
20	95%	12,860	1992

1983-2002 Exceedance Probabilities			
North Crow			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5	25,277	1997
2	10	24,748	1983
3	14	23,058	1993
4	19	22,937	1984
5	24	21,692	1996
6	29	20,925	1990
7	33	20,547	1991
8	38	19,943	1986
9	43	19,889	1989
10	48	18,601	1999
11	52	18,546	1995
12	57	17,800	1998
13	62	17,367	2002
14	67	16,984	1985
15	71	16,294	2000
16	76	15,302	1994
17	81	14,169	2001
18	86	13,367	1988
19	90	13,016	1987
20	95	12,860	1992

20% Threshold	
19	22,937
20	22,688
21	22,439
22	22,190
23	21,941
24	21,692

80% Threshold	
76	15,302
77	15,075
78	14,849
79	14,622
80	14,396
81	14,169

North Crow 80/20 Threshold Determination

North Crow Cr (3512.00)			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5%	25,277	1997
2	10%	24,748	1983
3	14%	23,058	1993
4	19%	22,937	1984
5	24%	21,692	1996
6	29%	20,925	1990
7	33%	20,547	1991
8	38%	19,943	1986
9	43%	19,889	1989
10	48%	18,601	1999
11	52%	18,546	1995
12	57%	17,800	1998
13	62%	17,367	2002
14	67%	16,984	1985
15	71%	16,294	2000
16	76%	15,302	1994
17	81%	14,169	2001
18	86%	13,367	1988
19	90%	13,016	1987
20	95%	12,860	1992

1983-2002 Exceedance Probabilities			
North Crow			
Rank	Exceedance Probability	Apr-Jul Flow (AF)	Year
1	5	25,277	1997
2	10	24,748	1983
3	14	23,058	1993
4	19	22,937	1984
5	24	21,692	1996
6	29	20,925	1990
7	33	20,547	1991
8	38	19,943	1986
9	43	19,889	1989
10	48	18,601	1999
11	52	18,546	1995
12	57	17,800	1998
13	62	17,367	2002
14	67	16,984	1985
15	71	16,294	2000
16	76	15,302	1994
17	81	14,169	2001
18	86	13,367	1988
19	90	13,016	1987
20	95	12,860	1992

20% Threshold	
19	22,937

20	22,688
21	22,439
22	22,190
23	21,941
24	21,692

80% Threshold	
76	15,302
77	15,075
78	14,849
79	14,622
80	14,396
81	14,169

	Dry Year	Normal Year	Wet Year
North Crow Creek near Ronan	<14,400	14,400-22,700	>22,700

Table 1: March 2025 Water Year NRCS Streamflow Forecast

March NRCS Forecast						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	31,000	35,000	39,000	100%	<24,000	24,000 - 36,000	>36,000			
	Agency Creek	5,100	5,700	6,300	93%	<4,640	4,640-6,880	>6,880			
Mission	Hellroaring Creek	3,900	4,300	4,800	105%	<3,350	3,350-4,750	>4,750			
	North Crow Creek near Ronan	16,700	18,400	20,000	104%	<14,400	14,400-22,700	>22,700			
	South Crow Creek near Ronan	9,500	10,500	11,800	103%	<7,700	7,700 - 11,800	>11,800			
	Mission Creek	25,000	27,000	30,000	104%	<21,100	21,100 - 29,000	>29,000			
Little Bitterroot	Mill Creek above Bassoo Creek near Niarada	2,600	3,600	4,700	77%	<2,200	2,200 - 4,900	>4,900			
<table><tr><td>Wet</td></tr><tr><td>Normal</td></tr><tr><td>Dry</td></tr></table>						Wet	Normal	Dry	*all values are in acre feet		
Wet											
Normal											
Dry											

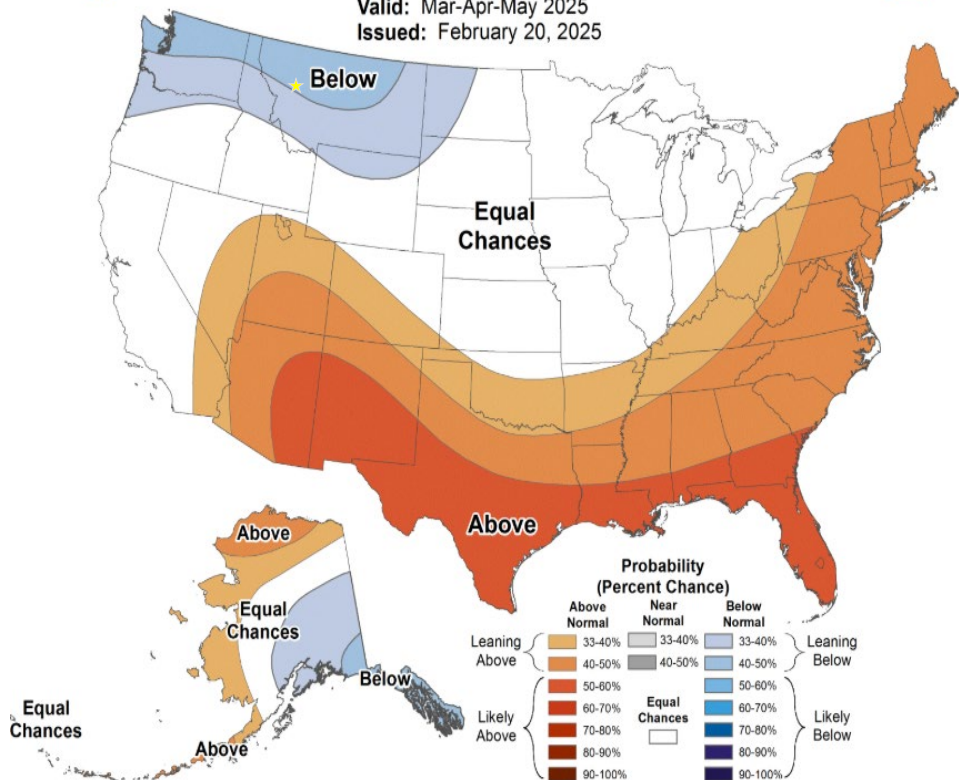
Three Month Outlook – Mar/Apr/May 2025



Seasonal Temperature Outlook



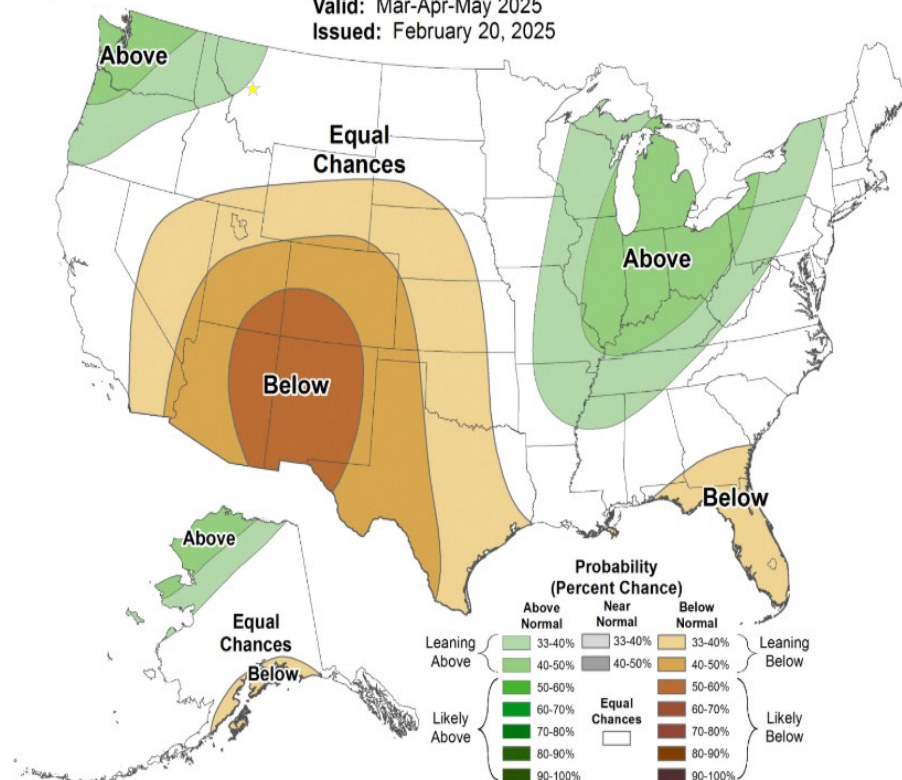
Valid: Mar-Apr-May 2025
Issued: February 20, 2025



Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2025
Issued: February 20, 2025



2025 Water Supply Outlook Summary (03/12/25)

° Flathead Basin-Wide (88% Median) snowpack conditions near-average, with locally higher values.

° Snow conditions are similar to February report and much improved from WY 2024.

° 3 month outlooks indicate potential for lower temps and “equal chances” for precipitation.

° Water Supply Forecasts indicate Normal Year outlook; future forecasts will refine water year determination.

Table 1: March 2025 Water Year NRCS Streamflow Forecast								
	March NRCS Forecast					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	31,000	35,000	39,000	100%	<24,000	24,000 - 36,000	>36,000
	Agency Creek	5,100	5,700	6,300	93%	<4,640	4,640-6,880	>6,880
Mission	Hellroaring Creek	3,900	4,300	4,800	105%	<3,350	3,350-4,750	>4,750
	North Crow Creek near Ronan	16,700	18,400	20,000	104%	<14,400	14,400-22,700	>22,700
	South Crow Creek near Ronan	9,500	10,500	11,800	103%	<7,700	7,700 - 11,800	>11,800
	Mission Creek	25,000	27,000	30,000	104%	<21,100	21,100 - 29,000	>29,000
Little Bitterroot	Mill Creek above Bassoo Creek near Niarada	2,600	3,600	4,700	77%	<2,200	2,200 - 4,900	>4,900
		Wet						
		Normal				*all values are in acre feet		
		Dry						