



NF Jocko R bl Tabor Feeder Canal

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>UPPER CLARK FORK RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Blackfoot nr Garrison	APR-JUL	44	69	86	113%	103	128	76
	APR-SEP	51	77	95	113%	113	139	84
Flint Ck nr Southern Cross	APR-JUL	10.2	14	16.6	121%	19.2	23	13.7
	APR-SEP	10.5	15.9	19.6	121%	23	29	16.2
Flint Ck bl Boulder Ck	APR-JUL	39	55	65	116%	75	91	56
	APR-SEP	51	70	82	115%	94	113	71
Lower Willow Ck Reservoir Inflow <sup>2</sup>	APR-MAY	4.9	7.6	9.4	115%	11.2	13.9	8.2
	APR-JUL	6.5	11.2	14.4	115%	17.6	22	12.5
MF Rock Ck nr Philipsburg	APR-JUL	46	57	65	102%	73	84	64
	APR-SEP	53	65	73	101%	81	93	72
Rock Ck nr Clinton	APR-JUL	189	245	285	106%	325	380	270
	APR-SEP	220	285	325	107%	365	430	305
Clark Fork R ab Milltown	APR-JUL	490	580	645	107%	710	800	605
	APR-SEP	575	675	745	106%	815	915	705
Nevada Ck nr Helmville	APR-MAY	5.3	8.6	10.8	105%	13	16.3	10.3
	APR-JUL	9.4	14.6	18.2	105%	22	27	17.3
Blackfoot R nr Bonner	APR-JUL	515	695	815	101%	935	1120	805
	APR-SEP	590	780	905	102%	1030	1220	890
Clark Fork R ab Missoula	APR-JUL	1140	1320	1440	102%	1560	1740	1410
	APR-SEP	1310	1500	1630	102%	1760	1950	1600

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<b>BITTERROOT RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
WF Bitterroot R Nr Conner <sup>2</sup>	APR-JUL	80	116	141	99%	166	200	143
	APR-SEP	90	129	155	99%	181	220	157
Bitterroot R Nr Darby	APR-JUL	260	365	435	95%	505	610	460
	APR-SEP	315	415	485	94%	555	655	515
Como Reservoir Inflow <sup>2</sup>	APR-JUL	54	66	74	95%	82	94	78
	APR-SEP	58	70	78	95%	86	98	82
Bitterroot R nr Missoula	APR-JUL	735	995	1170	94%	1350	1600	1250
	APR-SEP	830	1100	1280	93%	1460	1730	1370





	APR-JUL	18.2	56	81	105%	106	144	77
	APR-SEP	17.1	57	84	104%	111	151	81
Musselshell R nr Roundup <sup>2</sup>	APR-JUL	33	50	105	106%	160	240	99
	APR-SEP	33	50	106	104%	162	245	102

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<b>SUN-TETON-MARIAS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL	170	240	290	63%	340	410	460
	APR-SEP	205	280	330	65%	380	455	505
Two Medicine R nr Browning <sup>2</sup>	APR-JUL	90	120	140	68%	160	190	205
	APR-SEP	99	129	149	69%	169	199	215
Badger Ck nr Browning	APR-JUL	24	44	58	67%	72	92	86
	APR-SEP	28	49	64	67%	79	100	95
Swift Reservoir Inflow <sup>2</sup>	APR-JUL	23	36	44	69%	52	65	64
	APR-SEP	30	44	53	69%	62	76	77
Dupuyer Ck nr Valier	APR-JUL	1.6	2.1	7	50%	11.9	19.1	14
	APR-SEP	1.9	2.5	7.9	50%	13.3	21	15.7
Cut Bank Ck nr Browning	APR-JUL	30	46	57	74%	68	84	77
	APR-SEP	32	49	61	73%	73	90	84
Marias R nr Shelby <sup>2</sup>	APR-JUL	42	160	240	58%	320	440	415
	APR-SEP	30	152	235	53%	320	440	440
Teton R nr Dutton	APR-JUL	5.4	14	33	65%	52	80	51
	APR-SEP	5.6	18	38	64%	58	88	59

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<b>ST. MARY &amp; MILK BASINS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow	APR-JUL	62	74	82	78%	90	102	105
	APR-SEP	76	88	96	79%	104	116	122
St. Mary R nr Babb <sup>2</sup>	APR-JUL	220	265	300	78%	335	380	385
	APR-SEP	265	315	350	78%	385	435	450
St. Mary R at Intl Boundary <sup>2</sup>	APR-JUL	215	285	335	77%	385	455	435
	APR-SEP	275	345	395	77%	445	515	515
Milk R at Western Crossing of Intl Bndry, AB	MAR-JUL	0.98	18.3	30	73%	42	59	41
	MAR-SEP	1.17	19.5	32	74%	44	63	43
	APR-JUL	4.8	12.6	20	61%	29	46	33
	APR-SEP	5	13.2	21	58%	31	48	36

Milk R at Eastern Crossing of Intl Bdndry

MAR-JUL	15	26	54	65%	82	122	83.3
MAR-SEP	17.7	28	57	65%	86	128	87.7
APR-JUL	8.5	15.8	37	61%	58	89	60.6
APR-SEP	12.9	21	43	62%	65	97	69.2

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<b>MISSOURI MAINSTEM BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Missouri R at Toston <sup>2</sup>	APR-JUL	1150	1610	1920	94%	2230	2690	2050
	APR-SEP	1400	1860	2220	93%	2580	3000	2390
Dearborn R nr Craig	APR-JUL	26	52	70	58%	88	114	121
	APR-SEP	31	58	77	62%	96	123	125
Missouri R at Fort Benton <sup>2</sup>	APR-JUL	1860	2440	2840	95%	3240	3820	2990
	APR-SEP	2230	2920	3390	95%	3860	4550	3570
Missouri R nr Virgelle <sup>2</sup>	APR-JUL	2220	2890	3350	97%	3810	4480	3450
	APR-SEP	2610	3400	3940	97%	4480	5270	4060
Missouri R nr Landusky <sup>2</sup>	APR-JUL	2220	2940	3430	93%	3920	4640	3690
	APR-SEP	2610	3450	4030	93%	4610	5450	4350
Missouri R bl Fort Peck Dam <sup>2</sup>	APR-JUL	2300	3020	3520	94%	4020	4740	3740
	APR-SEP	2660	3510	4080	94%	4650	5500	4330
Lake Sakakawea Inflow <sup>2</sup>	APR-JUL	5380	7280	8570	88%	9860	11800	9740
	APR-SEP	6190	8390	9870	88%	11400	13600	11200

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<b>UPPER YELLOWSTONE RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yellowstone R at Yellowstone Lake Outlet	APR-JUL	425	510	565	96%	620	705	590
	APR-SEP	565	670	745	93%	820	925	805
Yellowstone R at Corwin Springs	APR-JUL	1240	1440	1580	96%	1720	1920	1650
	APR-SEP	1450	1690	1850	94%	2010	2250	1970
Yellowstone R at Livingston	APR-JUL	1400	1640	1800	95%	1960	2200	1900
	APR-SEP	1640	1920	2110	93%	2300	2580	2280
Shields R nr Livingston	APR-JUL	55	115	156	108%	197	255	145
	APR-SEP	58	124	169	104%	215	280	162
Boulder R at Big Timber	APR-JUL	215	265	295	104%	325	375	285
	APR-SEP	230	285	320	102%	355	410	315
Mystic Lake Inflow <sup>2</sup>	APR-JUL	46	52	56	95%	60	66	59

Stillwater R nr Absarokee <sup>2</sup>	APR-SEP	58	66	71	93%	76	84	76
	APR-JUL	335	395	440	89%	485	545	495
Clarks Fk Yellowstone R nr Belfry	APR-SEP	390	465	515	88%	565	640	585
	APR-JUL	370	435	480	89%	525	590	540
Cooney Reservoir Inflow	APR-SEP	400	470	520	87%	570	640	595
Yellowstone R at Billings	APR-JUL	2380	2860	3190	91%	3520	4000	3510
	APR-SEP	2670	3370	3750	91%	4130	4830	4120

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<b>LOWER YELLOWSTONE RIVER BASIN (Wyoming)</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bighorn R nr St. Xavier <sup>2</sup>	APR-JUL	885	1230	1460	91%	1690	2030	1610
	APR-SEP	920	1310	1570	89%	1830	2220	1760
Little Bighorn R nr Hardin	APR-JUL	64	95	116	91%	137	168	128
	APR-SEP	79	113	136	94%	159	193	144
Tongue R nr Dayton <sup>2</sup>	APR-JUL	65	85	99	103%	113	133	96
	APR-SEP	76	98	113	104%	128	150	109
Big Goose Ck nr Sheridan	APR-JUL	35	47	55	106%	63	75	52
	APR-SEP	43	56	64	107%	72	85	60
Little Goose Ck nr Bighorn	APR-JUL	23	31	36	106%	41	49	34
	APR-SEP	31	39	45	107%	51	59	42
Tongue River Reservoir Inflow <sup>2</sup>	APR-JUL	123	190	235	107%	280	345	220
	APR-SEP	142	210	260	104%	310	380	250
Yellowstone R at Miles City <sup>2</sup>	APR-JUL	3440	4230	4770	89%	5310	6100	5360
	APR-SEP	3910	4920	5530	89%	6140	7150	6210
Powder R at Moorehead	APR-JUL	89	158	205	100%	250	320	205
	APR-SEP	110	181	230	100%	280	350	230
Powder R nr Locate	APR-JUL	94	178	235	100%	290	375	235
	APR-SEP	108	199	260	100%	320	410	260
Yellowstone R nr Sidney <sup>2</sup>	APR-JUL	3430	4290	4880	89%	5470	6330	5480
	APR-SEP	3960	4900	5600	89%	6300	7250	6280

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