

NF Jocko R bl Tabor Feeder Canal

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

UPPER CLARK FORK RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Blackfoot nr Garrison	APR-JUL	40	63	78	103%	93	116	76
	APR-SEP	46	70	86	102%	102	126	84
Flint Ck nr Southern Cross	APR-JUL	9.1	12.4	14.7	107%	17	20	13.7
	APR-SEP	8.7	13.8	17.2	106%	21	26	16.2
Flint Ck bl Boulder Ck	APR-JUL	37	50	59	105%	68	81	56
	APR-SEP	48	64	74	104%	84	100	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	4.5	6.9	8.5	104%	10.1	12.5	8.2
	APR-JUL	6.2	10.2	12.9	103%	15.6	19.6	12.5
MF Rock Ck nr Philipsburg	APR-JUL	44	54	61	95%	68	78	64
	APR-SEP	50	61	68	94%	75	86	72
Rock Ck nr Clinton	APR-JUL	182	230	265	98%	300	350	270
	APR-SEP	210	265	300	98%	335	390	305
Clark Fork R ab Milltown	APR-JUL	420	515	580	96%	645	740	605
	APR-SEP	500	605	675	96%	745	850	705
Nevada Ck nr Helmville	APR-MAY	5.6	8.1	9.8	95%	11.5	14	10.3
	APR-JUL	9.6	13.6	16.4	95%	19.2	23	17.3
Blackfoot R nr Bonner	APR-JUL	575	695	775	96%	855	975	805
	APR-SEP	640	770	855	96%	940	1070	890
Clark Fork R ab Missoula	APR-JUL	1100	1240	1340	95%	1440	1580	1410
	APR-SEP	1250	1410	1520	95%	1630	1790	1600

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BITTERROOT RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
WF Bitterroot R Nr Conner ²	APR-JUL	97	120	135	94%	150	173	143
	APR-SEP	104	130	147	94%	164	190	157
Bitterroot R Nr Darby	APR-JUL	315	385	430	93%	475	545	460
	APR-SEP	365	435	480	93%	525	595	515
Como Reservoir Inflow ²	APR-JUL	60	67	72	92%	77	84	78
	APR-SEP	63	70	75	91%	80	87	82
Bitterroot R nr Missoula	APR-JUL	985	1080	1150	92%	1220	1320	1250
	APR-SEP	1070	1180	1260	92%	1340	1450	1370

	APR-JUL	25	40	63	82%	86	121	77
	APR-SEP	26	39	64	79%	89	126	81
Musselshell R nr Roundup ²	APR-JUL	30	47	74	75%	119	185	99
	APR-SEP	29	45	73	72%	118	184	102

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SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL	265	330	370	80%	410	475	460
	APR-SEP	295	360	405	80%	450	515	505
Two Medicine R nr Browning ²	APR-JUL	114	140	157	77%	174	200	205
	APR-SEP	123	150	168	78%	186	215	215
Badger Ck nr Browning	APR-JUL	39	54	65	76%	76	91	86
	APR-SEP	43	60	72	76%	84	101	95
Swift Reservoir Inflow ²	APR-JUL	30	42	50	78%	58	70	64
	APR-SEP	38	51	60	78%	69	82	77
Dupuyer Ck nr Valier	APR-JUL	3.7	4.3	9.2	66%	14.1	21	14
	APR-SEP	4.2	5	10.4	66%	15.8	24	15.7
Cut Bank Ck nr Browning	APR-JUL	37	51	61	79%	71	85	77
	APR-SEP	40	56	66	79%	76	92	84
Marias R nr Shelby ²	APR-JUL	106	215	285	69%	355	465	415
	APR-SEP	98	210	290	66%	370	480	440
Teton R nr Dutton	APR-JUL	13.2	20	33	65%	52	80	51
	APR-SEP	15.3	23	38	64%	59	89	59

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ST. MARY & MILK BASINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow	APR-JUL	72	81	87	83%	93	102	105
	APR-SEP	85	95	102	84%	109	119	122
St. Mary R nr Babb ²	APR-JUL	255	295	320	83%	345	385	385
	APR-SEP	305	345	375	83%	405	445	450
St. Mary R at Intl Boundary ²	APR-JUL	265	325	365	84%	405	465	435
	APR-SEP	330	395	435	84%	475	540	515
Milk R at Western Crossing of Intl Bndry, AB	MAR-JUL	10.3	18	29	71%	40	53	41
	MAR-SEP	10.7	19	31	72%	43	58	43
	APR-JUL	9.6	17.6	23	70%	28	36	33
	APR-SEP	11.2	20	26	72%	32	41	36

Milk R at Eastern Crossing of Intl Bndry

MAR-JUL	21	37	60	72%	82	111	83.3
MAR-SEP	22	40	65	74%	90	121	87.7
APR-JUL	18	27	45	74%	63	90	60.6
APR-SEP	22	35	54	78%	73	101	69.2

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MISSOURI MAINSTEM BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Missouri R at Toston ²	APR-JUL	1010	1420	1700	83%	1980	2390	2050
	APR-SEP	1200	1650	1980	83%	2310	2760	2390
Dearborn R nr Craig	APR-JUL	32	60	80	66%	100	128	121
	APR-SEP	31	61	82	66%	103	133	125
Missouri R at Fort Benton ²	APR-JUL	1560	2140	2540	85%	2940	3520	2990
	APR-SEP	1830	2550	3020	85%	3490	4210	3570
Missouri R nr Virgelle ²	APR-JUL	1730	2400	2860	83%	3320	3990	3450
	APR-SEP	2040	2850	3390	83%	3930	4740	4060
Missouri R nr Landusky ²	APR-JUL	1850	2570	3060	83%	3550	4270	3690
	APR-SEP	2170	3030	3610	83%	4190	5060	4350
Missouri R bl Fort Peck Dam ²	APR-JUL	1960	2680	3180	85%	3680	4400	3740
	APR-SEP	2220	3090	3660	85%	4230	5100	4330
Lake Sakakawea Inflow ²	APR-JUL	5380	7280	8570	88%	9860	11800	9740
	APR-SEP	6120	8320	9800	88%	11300	13500	11200

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UPPER YELLOWSTONE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yellowstone R at Yellowstone Lake Outlet	APR-JUL	450	520	565	96%	610	680	590
	APR-SEP	595	685	745	93%	805	895	805
Yellowstone R at Corwin Springs	APR-JUL	1330	1520	1640	99%	1760	1950	1650
	APR-SEP	1550	1770	1920	97%	2070	2290	1970
Yellowstone R at Livingston	APR-JUL	1480	1710	1870	98%	2030	2260	1900
	APR-SEP	1730	2000	2190	96%	2380	2650	2280
Shields R nr Livingston	APR-JUL	51	96	127	88%	158	205	145
	APR-SEP	53	104	138	85%	172	225	162
Boulder R at Big Timber	APR-JUL	240	285	315	111%	345	390	285
	APR-SEP	255	305	340	108%	375	425	315
Mystic Lake Inflow ²	APR-JUL	46	51	55	92%	59	64	60

Stillwater R nr Absarokee ²	APR-SEP	59	66	71	92%	76	83	77
	APR-JUL	335	395	440	89%	485	545	495
Clarks Fk Yellowstone R nr Belfry	APR-SEP	395	470	520	89%	570	645	585
	APR-JUL	390	450	490	91%	530	590	540
Cooney Reservoir Inflow	APR-SEP	425	490	535	90%	580	645	595
Yellowstone R at Billings	APR-JUL	2580	3050	3370	96%	3690	4160	3510
	APR-SEP	2860	3560	3940	96%	4320	5020	4120

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LOWER YELLOWSTONE RIVER BASIN (Wyoming)	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bighorn R nr St. Xavier ²	APR-JUL	745	1120	1380	86%	1640	2010	1610
	APR-SEP	910	1220	1510	86%	1800	2110	1760
Little Bighorn R nr Hardin	APR-JUL	86	114	133	104%	152	180	128
	APR-SEP	100	129	150	104%	171	200	144
Tongue R nr Dayton ²	APR-JUL	75	93	106	110%	119	137	96
	APR-SEP	91	106	120	110%	134	149	109
Big Goose Ck nr Sheridan	APR-JUL	33	44	52	100%	60	71	52
	APR-SEP	41	53	61	102%	69	81	60
Little Goose Ck nr Bighorn	APR-JUL	24	31	36	106%	41	48	34
	APR-SEP	31	39	44	105%	49	57	42
Tongue River Reservoir Inflow ²	APR-JUL	120	186	230	105%	275	340	220
	APR-SEP	160	215	260	104%	305	360	250
Yellowstone R at Miles City ²	APR-JUL	3470	4310	4880	91%	5450	6290	5360
	APR-SEP	4050	5010	5670	91%	6330	7290	6210
Powder R at Moorehead	APR-JUL	131	199	245	120%	290	360	205
	APR-SEP	147	215	265	115%	315	385	230
Powder R nr Locate	APR-JUL	140	220	275	117%	330	410	235
	APR-SEP	156	245	305	117%	365	450	260
Yellowstone R nr Sidney ²	APR-JUL	3610	4560	5210	95%	5860	6810	5480
	APR-SEP	4300	5170	5950	95%	6730	7600	6280

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