

	JUN-JUL	22	24	26	152%	27	30	17.1
	JUN-SEP	26	29	31	148%	32	35	21
NF Jocko R bl Tabor Feeder Canal								
	JUN-JUL	20	22	23	149%	25	26	15.4
	JUN-SEP	22	24	26	150%	27	29	17.3

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- 3) Median value used in place of average

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								
	JUN-JUL	16	24	30	103%	36	44	29
	JUN-SEP	20	30	37	103%	44	53	36
Flint Ck nr Southern Cross								
	JUN-JUL	3.2	5.4	6.9	101%	8.4	10.6	6.8
	JUN-SEP	4.1	7.1	9.1	101%	11.1	14.1	9
Flint Ck bl Boulder Ck								
	JUN-JUL	17.3	25	31	100%	37	45	31
	JUN-SEP	26	37	44	100%	51	62	44
Lower Willow Ck Reservoir Inflow ²								
	JUN-JUL	1.35	2.7	3.7	103%	4.6	6	3.6
	JUN-SEP	1.94	3.5	4.5	100%	5.6	7.2	4.5
MF Rock Ck nr Philipsburg								
	JUN-JUL	22	30	35	103%	40	48	34
	JUN-SEP	28	36	42	102%	48	56	41
Rock Ck nr Clinton								
	JUN-JUL	84	115	135	103%	155	186	131
	JUN-SEP	111	146	169	103%	192	225	164
Clark Fork R ab Milltown								
	JUN-JUL	196	270	320	119%	370	445	270
	JUN-SEP	260	350	410	115%	470	555	355
Nevada Ck nr Helmville								
	JUN-JUL	4.1	5.5	6.5	112%	7.5	8.9	5.8
	JUN-SEP	5.3	6.9	8	111%	9.1	10.7	7.2
Blackfoot R nr Bonner								
	JUN-JUL	330	375	405	125%	435	480	325
	JUN-SEP	415	460	495	122%	525	575	405
Clark Fork R ab Missoula								
	JUN-JUL	555	655	725	122%	795	895	595
	JUN-SEP	705	825	905	118%	985	1110	765

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

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								
	JUN-JUL	32	40	46	82%	52	60	56
	JUN-SEP	40	52	61	91%	69	81	67
Bitterroot R Nr Darby								
	JUN-JUL	142	163	178	87%	193	215	205
	JUN-SEP	179	205	225	94%	245	270	240
Como Reservoir Inflow ²								
	JUN-JUL	28	36	41	108%	46	54	38
	JUN-SEP	31	39	45	107%	50	59	42
Bitterroot R nr Missoula								

Jefferson R nr Three Forks ²	JUN-JUL	4.4	8.1	10.6	102%	13.1	16.8	10.4
	JUN-JUL	184	310	395	111%	480	610	355
	JUN-SEP	191	350	455	110%	565	720	415

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- 3) Median value used in place of average

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

MADISON RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Reservoir Inflow ²								
	JUN-JUL	175	199	215	121%	230	255	178
	JUN-SEP	265	300	325	116%	350	385	280
Ennis Reservoir Inflow ²								
	JUN-JUL	290	335	365	111%	395	440	330
	JUN-SEP	425	485	525	108%	565	625	485

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- 3) Median value used in place of average

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

GALLATIN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gateway								
	JUN-JUL	215	245	265	104%	285	315	255
	JUN-SEP	260	300	325	102%	350	390	320
Hyalite Reservoir Inflow ²								
	JUN-JUL	10.5	12	13	101%	14	15.5	12.9
	JUN-SEP	12.6	14.5	15.8	101%	17.1	19	15.7
Gallatin R at Logan								
	JUN-JUL	154	210	245	100%	280	335	245
	JUN-SEP	188	260	305	98%	350	420	310

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- 3) Median value used in place of average

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

SMITH-JUDITH-MUSSELSHELL	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sheep Ck nr White Sulphur Springs								
	JUN-JUL	3.3	5.5	7	86%	8.5	10.7	8.1
	JUN-SEP	4.3	7.3	9.3	85%	11.3	14.3	10.9
Smith R bl Eagle Ck ²								
	JUN-JUL	9.3	29	43	80%	57	77	54
	JUN-SEP	6.3	34	52	80%	70	98	65
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale								
	JUN-JUL	1.03	12.3	19.9	100%	28	39	20
	JUN-SEP	2.6	14.6	23	100%	31	43	23
Musselshell R at Harlowton ²								
	JUN-JUL	2.9	16.1	25	89%	34	47	28
	JUN-SEP	-1.04	15.1	26	87%	37	53	30
Musselshell R nr Roundup ²								
	JUN-JUL	0	8	25	74%	42	68	34

JUN-SEP 0 5.6 23 68% 40 65 34

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

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

SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	JUN-JUL	205	230	250	119%	265	295	210
	JUN-SEP	240	270	290	116%	310	345	250
Two Medicine R nr Browning ²	JUN-JUL	76	90	100	122%	110	124	82
	JUN-SEP	84	101	112	119%	123	140	94
Badger Ck nr Browning	JUN-JUL	38	47	54	117%	61	70	46
	JUN-SEP	52	63	71	116%	79	90	61
Swift Reservoir Inflow ²	JUN-JUL	25	31	35	117%	38	44	30
	JUN-SEP	33	41	46	112%	51	59	41
Dupuyer Ck nr Valier	JUN-JUL	3.1	4.8	5.9	109%	7	8.7	5.4
	JUN-SEP	3.6	5.8	7.3	106%	8.8	11	6.9
Cut Bank Ck nr Browning	JUN-JUL	30	39	45	118%	51	60	38
	JUN-SEP	34	45	52	118%	59	70	44
Marias R nr Shelby ²	JUN-JUL	105	156	190	122%	225	275	156
	JUN-SEP	109	169	210	122%	250	310	172
Teton R nr Dutton	JUN-JUL	0.8	11.4	24	100%	37	55	24
	JUN-SEP	1	13.9	29	100%	44	66	29

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

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

ST. MARY & MILK BASINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow	JUN-JUL	58	67	73	130%	79	88	56
	JUN-SEP	72	83	90	127%	97	108	71
St. Mary R nr Babb ²	JUN-JUL	230	270	295	126%	320	360	235
	JUN-SEP	285	330	360	122%	390	435	295
St. Mary R at Intl Boundary ²	JUN-JUL	255	310	345	125%	380	435	275
	JUN-SEP	320	380	425	123%	465	525	345
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

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 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
 3) Median value used in place of average

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

MISSOURI MAINSTEM BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Missouri R at Toston ²	JUN-JUL	645	855	1000	106%	1150	1360	940
	JUN-SEP	800	1090	1280	105%	1480	1760	1220
Dearborn R nr Craig								
Missouri R at Fort Benton ²	JUN-JUL	1000	1320	1550	110%	1770	2090	1410
	JUN-SEP	1320	1760	2050	108%	2350	2780	1900
Missouri R nr Virgelle ²	JUN-JUL	1200	1540	1780	111%	2010	2350	1600
	JUN-SEP	1510	1970	2290	108%	2610	3080	2120
Missouri R nr Landusky ²	JUN-JUL	1300	1670	1920	112%	2170	2540	1710
	JUN-SEP	1640	2130	2470	109%	2800	3300	2260
Missouri R bl Fort Peck Dam ²	JUN-JUL	1160	1600	1900	111%	2200	2640	1710
	JUN-SEP	1260	1880	2310	106%	2740	3360	2170
Lake Sakakawea Inflow ²	JUN-JUL	5480	6600	7360	145%	8110	9230	5060

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

3) Median value used in place of average

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

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	JUN-JUL	500	570	620	133%	670	740	465
	JUN-SEP	740	825	885	135%	940	1030	655
Yellowstone R at Corwin Springs	JUN-JUL	1130	1260	1340	129%	1420	1550	1040
	JUN-SEP	1420	1570	1670	126%	1770	1920	1330
Yellowstone R at Livingston	JUN-JUL	1280	1440	1540	131%	1640	1790	1180
	JUN-SEP	1600	1790	1920	126%	2040	2230	1520
Shields R nr Livingston	JUN-JUL	37	60	75	121%	90	113	62
	JUN-SEP	44	71	89	117%	106	133	76
Boulder R at Big Timber	JUN-JUL	181	215	235	118%	255	290	200
	JUN-SEP	195	235	260	116%	285	325	225
Mystic Lake Inflow ²	JUN-JUL	47	51	54	115%	57	61	47
	JUN-SEP	62	68	72	114%	76	82	63
Stillwater R nr Absarokee ²	JUN-JUL	315	360	390	120%	420	465	325
	JUN-SEP	380	440	480	120%	520	580	400
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	480	525	555	159%	585	630	350
	JUN-SEP	520	575	610	154%	645	700	395
Cooney Reservoir Inflow	JUN-JUL	10.7	17.2	22	100%	26	33	22
	JUN-SEP	18.3	26	31	100%	37	45	31
Yellowstone R at Billings	JUN-JUL	2290	2650	2890	133%	3130	3480	2170
	JUN-SEP	2710	3170	3480	131%	3790	4250	2660

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

3) Median value used in place of average

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

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	JUN-JUL	1920	2130	2270	247%	2410	2610	920
	JUN-SEP	2110	2350	2520	250%	2690	2930	1010
Little Bighorn R nr Hardin	JUN-JUL	38	55	66	125%	77	94	53
	JUN-SEP	47	67	80	121%	94	114	66
Tongue R nr Dayton ²	JUN-JUL	43	53	59	120%	65	75	49
	JUN-SEP	54	65	72	116%	80	91	62
Big Goose Ck nr Sheridan	JUN-JUL	31	37	42	135%	46	52	31
	JUN-SEP	38	45	50	128%	54	61	39
Little Goose Ck nr Bighorn	JUN-JUL	22	25	27	141%	29	32	19.1
	JUN-SEP	30	33	36	133%	38	42	27
Tongue River Reservoir Inflow ²	JUN-JUL	104	132	152	138%	171	199	110
	JUN-SEP	119	153	176	131%	199	235	134
Yellowstone R at Miles City ²	JUN-JUL	4230	4830	5240	164%	5650	6250	3200
	JUN-SEP	4910	5690	6220	161%	6750	7530	3870
Powder R at Moorehead	JUN-JUL	158	192	215	234%	240	270	92
	JUN-SEP	176	215	240	218%	270	310	110
Powder R nr Locate	JUN-JUL	130	175	205	203%	235	280	101
	JUN-SEP	142	195	230	189%	265	320	122
Yellowstone R nr Sidney ²	JUN-JUL	4330	5010	5480	169%	5940	6620	3240
	JUN-SEP	4940	5830	6440	168%	7040	7930	3840

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

3) Median value used in place of average