

	APR-JUL	37	41	44	133%	47	51	33
	APR-SEP	41	45	48	130%	51	56	37
NF Jocko R bl Tabor Feeder Canal								
	APR-JUL	34	37	38	123%	40	43	31
	APR-SEP	36	39	40	121%	42	45	33

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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	43	59	70	100%	81	97	70
	APR-SEP	46	64	77	100%	89	107	77
Flint Ck nr Southern Cross								
	APR-JUL	5.8	9.5	12	97%	14.5	18.2	12.4
	APR-SEP	6.4	11	14.2	97%	17.4	22	14.6
Flint Ck bl Boulder Ck								
	APR-JUL	27	41	51	98%	60	74	52
	APR-SEP	36	53	65	98%	76	93	66
Lower Willow Ck Reservoir Inflow ²								
	APR-MAY	4.6	6.7	8.1	111%	9.5	11.6	7.3
	APR-JUL	6.4	9.7	12	113%	14.3	17.6	10.6
MF Rock Ck nr Philipsburg								
	APR-JUL	44	54	60	103%	66	76	58
	APR-SEP	50	61	68	105%	75	86	65
Rock Ck nr Clinton								
	APR-JUL	184	230	260	104%	290	335	250
	APR-SEP	215	265	300	107%	335	385	280
Clark Fork R ab Milltown								
	APR-JUL	325	460	555	105%	645	780	530
	APR-SEP	400	550	655	107%	755	905	615
Nevada Ck nr Helmville								
	APR-MAY	3.3	6.4	8.5	101%	10.6	13.7	8.4
	APR-JUL	5.4	10.6	14.1	99%	17.6	23	14.2
Blackfoot R nr Bonner								
	APR-JUL	600	705	775	108%	850	955	720
	APR-SEP	670	785	860	108%	940	1050	800
Clark Fork R ab Missoula								
	APR-JUL	970	1190	1340	107%	1490	1710	1250
	APR-SEP	1120	1360	1530	108%	1690	1930	1420

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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								
	APR-JUL	99	124	141	110%	158	183	128
	APR-SEP	107	133	151	109%	169	196	139
Bitterroot R Nr Darby								
	APR-JUL	325	395	445	101%	495	570	440
	APR-SEP	380	450	500	105%	550	620	475
Como Reservoir Inflow ²								
	APR-JUL	69	76	81	107%	85	93	76
	APR-SEP	71	79	84	106%	90	97	79
Bitterroot R nr Missoula								

Jefferson R nr Three Forks ²	APR-JUL	6.3	12.2	16.2	96%	20	26	16.8
	APR-JUL	370	555	685	93%	815	1000	740
	APR-SEP	375	590	735	92%	880	1090	800

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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								
	APR-JUL	330	370	400	108%	430	470	370
	APR-SEP	420	470	505	107%	540	590	470
Ennis Reservoir Inflow ²								
	APR-JUL	475	550	605	97%	660	735	625
	APR-SEP	595	685	750	97%	815	905	775

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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								
	APR-JUL	285	335	370	93%	405	455	400
	APR-SEP	340	395	435	93%	475	530	470
Hyalite Reservoir Inflow ²								
	APR-JUL	12.9	14.9	16.3	82%	17.7	19.7	20
	APR-SEP	15	17.1	18.5	80%	19.9	22	23
Gallatin R at Logan								
	APR-JUL	235	325	390	89%	450	545	440
	APR-SEP	275	380	450	89%	525	630	505

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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								
	APR-JUL	4.2	7.4	9.6	62%	11.8	15	15.5
	APR-SEP	5.4	9.4	12	65%	14.7	18.7	18.4
Smith R bl Eagle Ck ²								
	APR-JUL	33	64	85	80%	106	137	106
	APR-SEP	35	72	98	84%	124	161	116
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale								
	APR-JUL	0.75	17	28	80%	39	55	35
	APR-SEP	0.38	18	30	79%	42	60	38
Musselshell R at Harlowton ²								
	APR-JUL	4.9	26	40	70%	54	75	57
	APR-SEP	1.78	25	42	71%	58	81	59
Musselshell R nr Roundup ²								
	APR-JUL	-23	-8.1	34	51%	77	139	67

APR-SEP -26 -7.6 34 52% 77 139 66

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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

SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL	380	425	460	116%	495	540	395
	APR-SEP	415	470	505	115%	540	595	440
Two Medicine R nr Browning ²	APR-JUL	176	199	215	117%	230	255	183
	APR-SEP	186	210	225	116%	245	270	194
Badger Ck nr Browning	APR-JUL	76	91	101	115%	112	127	88
	APR-SEP	88	105	117	114%	128	145	103
Swift Reservoir Inflow ²	APR-JUL	44	56	63	111%	71	83	57
	APR-SEP	53	66	75	112%	84	97	67
Dupuyer Ck nr Valier	APR-JUL	4.6	8	10.4	94%	12.7	16.1	11.1
	APR-SEP	5.5	9.3	11.8	93%	14.4	18.1	12.7
Cut Bank Ck nr Browning	APR-JUL	62	73	81	117%	89	100	69
	APR-SEP	67	80	88	117%	96	109	75
Marias R nr Shelby ²	APR-JUL	295	370	420	117%	475	550	360
	APR-SEP	305	385	440	117%	495	580	375
Teton R nr Dutton	APR-JUL	5.4	31	49	117%	67	93	42
	APR-SEP	7.8	36	55	115%	74	102	48

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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

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	94	105	112	115%	119	130	97
	APR-SEP	108	120	128	114%	136	148	112
St. Mary R nr Babb ²	APR-JUL	365	405	430	116%	455	495	370
	APR-SEP	415	460	490	115%	520	565	425
St. Mary R at Intl Boundary ²	APR-JUL	415	470	510	117%	550	605	435
	APR-SEP	470	535	580	115%	625	690	505
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

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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

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	1120	1440	1660	93%	1880	2200	1790
	APR-SEP	1270	1660	1920	93%	2180	2560	2070
Dearborn R nr Craig								
Missouri R at Fort Benton ²	APR-JUL	1640	2180	2550	98%	2920	3470	2610
	APR-SEP	1950	2600	3040	98%	3480	4130	3110
Missouri R nr Virgelle ²	APR-JUL	1980	2580	2980	99%	3390	3980	3000
	APR-SEP	2290	3000	3490	99%	3970	4690	3520
Missouri R nr Landusky ²	APR-JUL	2090	2740	3180	101%	3610	4260	3160
	APR-SEP	2440	3200	3730	100%	4250	5020	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	1970	2670	3140	97%	3610	4310	3240
	APR-SEP	2050	2940	3550	96%	4160	5050	3700
Lake Sakakawea Inflow ²	APR-JUL	8220	9970	11200	135%	12300	14100	8310
	APR-SEP	8970	11100	12600	134%	14000	16200	9400

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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 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	710	775	820	143%	865	930	575
	APR-SEP	935	1020	1080	140%	1150	1240	770
Yellowstone R at Corwin Springs	APR-JUL	1870	2040	2150	135%	2260	2430	1590
	APR-SEP	2200	2400	2530	135%	2660	2860	1880
Yellowstone R at Livingston	APR-JUL	2110	2320	2470	137%	2620	2830	1800
	APR-SEP	2480	2730	2900	136%	3070	3330	2140
Shields R nr Livingston	APR-JUL	44	76	98	76%	120	152	129
	APR-SEP	49	84	107	75%	130	165	143
Boulder R at Big Timber	APR-JUL	215	260	290	104%	320	365	280
	APR-SEP	230	275	310	103%	345	390	300
Mystic Lake Inflow ²	APR-JUL	58	63	66	112%	69	74	59
	APR-SEP	74	81	85	115%	89	96	74
Stillwater R nr Absarokee ²	APR-JUL	420	485	530	119%	575	640	445
	APR-SEP	495	575	625	120%	675	755	520
Clarks Fk Yellowstone R nr Belfry	APR-JUL	710	765	805	158%	845	900	510
	APR-SEP	775	835	880	160%	925	985	550
Cooney Reservoir Inflow	APR-JUL	9.9	21	29	76%	37	49	38
	APR-SEP	16.8	29	38	79%	47	59	48
Yellowstone R at Billings	APR-JUL	3540	4040	4380	136%	4720	5220	3230
	APR-SEP	4020	4610	5020	135%	5430	6020	3730

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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

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	2420	2800	3060	222%	3320	3700	1380
	APR-SEP	2670	3090	3370	231%	3650	4070	1460
Little Bighorn R nr Hardin	APR-JUL	53	83	103	105%	123	153	98
	APR-SEP	60	93	116	105%	139	172	111
Tongue R nr Dayton ²	APR-JUL	61	77	88	102%	99	115	86
	APR-SEP	70	88	100	102%	112	130	98
Big Goose Ck nr Sheridan	APR-JUL	32	44	52	113%	60	72	46
	APR-SEP	40	52	60	111%	68	80	54
Little Goose Ck nr Bighorn	APR-JUL	24	31	36	116%	41	48	31
	APR-SEP	31	39	44	113%	50	58	39
Tongue River Reservoir Inflow ²	APR-JUL	115	175	215	111%	255	315	193
	APR-SEP	129	192	235	109%	280	340	215
Yellowstone R at Miles City ²	APR-JUL	6040	6930	7540	158%	8140	9040	4780
	APR-SEP	6830	7890	8610	158%	9330	10400	5450
Powder R at Moorehead	APR-JUL	78	163	220	124%	275	360	177
	APR-SEP	97	182	240	122%	300	385	196
Powder R nr Locate	APR-JUL	90	182	245	123%	310	400	199
	APR-SEP	107	205	270	123%	335	430	220
Yellowstone R nr Sidney ²	APR-JUL	6040	7070	7760	161%	8450	9480	4830
	APR-SEP	6750	7970	8800	162%	9630	10900	5430

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 3) Median value used in place of average