

	APR-JUL	37	42	45	136%	47	52	33
	APR-SEP	42	46	49	132%	52	57	37
NF Jocko R bl Tabor Feeder Canal								
	APR-JUL	35	38	39	126%	41	44	31
	APR-SEP	37	40	42	127%	43	46	33

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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								
	APR-JUL	88	105	116	166%	127	143	70
	APR-SEP	95	112	125	162%	137	155	77
Flint Ck nr Southern Cross								
	APR-JUL	13.2	16.9	19.4	156%	22	26	12.4
	APR-SEP	15.5	20	23	158%	26	31	14.6
Flint Ck bl Boulder Ck								
	APR-JUL	56	70	79	152%	89	103	52
	APR-SEP	69	86	98	148%	109	126	66
Lower Willow Ck Reservoir Inflow ²								
	APR-MAY	9.1	11.2	12.6	173%	14	16.2	7.3
	APR-JUL	13.5	16.8	19.1	180%	21	25	10.6
MF Rock Ck nr Philipsburg								
	APR-JUL	70	80	86	148%	93	102	58
	APR-SEP	78	89	96	148%	103	113	65
Rock Ck nr Clinton								
	APR-JUL	315	360	395	158%	425	470	250
	APR-SEP	355	405	440	157%	475	525	280
Clark Fork R ab Milltown								
	APR-JUL	705	825	905	171%	990	1110	530
	APR-SEP	795	930	1020	166%	1120	1250	615
Nevada Ck nr Helmville								
	APR-MAY	14.2	17.3	19.4	231%	21	25	8.4
	APR-JUL	23	28	31	218%	35	40	14.2
Blackfoot R nr Bonner								
	APR-JUL	1100	1190	1250	174%	1310	1400	720
	APR-SEP	1180	1280	1350	169%	1410	1510	800
Clark Fork R ab Missoula								
	APR-JUL	1810	2030	2180	174%	2330	2550	1250
	APR-SEP	1990	2230	2390	168%	2560	2800	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	123	147	164	128%	181	205	128
	APR-SEP	130	157	175	126%	193	220	139
Bitterroot R Nr Darby								
	APR-JUL	395	465	515	117%	565	635	440
	APR-SEP	445	515	565	119%	615	685	475
Como Reservoir Inflow ²								
	APR-JUL	74	81	86	113%	91	98	76
	APR-SEP	77	85	90	114%	95	103	79
Bitterroot R nr Missoula								

APR-JUL	1170	1330	1430	124%	1530	1690	1150
APR-SEP	1250	1410	1530	122%	1640	1800	1250

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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 CLARK FORK RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Clark Fork R bl Missoula	APR-JUL	2860	3220	3460	144%	3700	4060	2400
	APR-SEP	3130	3520	3780	142%	4040	4430	2670
Clark Fork R at St. Regis ¹	APR-JUL	3640	4270	4550	144%	4840	5470	3160
	APR-SEP	3970	4660	4970	142%	5280	5960	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	10600	12000	12600	137%	13200	14600	9200
	APR-SEP	11500	13000	13700	136%	14400	16000	10100
Thompson nr Thompson Falls	APR-JUL	146	179	200	110%	225	255	181
	APR-SEP	167	200	225	110%	250	285	205
Prospect Ck at Thompson Falls	APR-JUL	89	101	109	107%	116	128	102
	APR-SEP	96	108	116	105%	124	136	110
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	12200	13600	14300	136%	14900	16300	10500
	APR-SEP	13200	14800	15500	135%	16300	17900	11500

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

JEFFERSON RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lima Reservoir Inflow ²	APR-JUL	49	65	75	100%	86	101	75
	APR-SEP	53	70	82	103%	93	110	80
Clark Canyon Inflow ²	APR-JUL	49	77	96	95%	115	144	101
	APR-SEP	63	96	118	98%	140	173	120
Beaverhead R at Barretts ²	APR-JUL	71	103	126	98%	148	180	129
	APR-SEP	91	128	153	98%	178	215	156
Ruby R Reservoir Inflow ²	APR-JUL	63	76	85	110%	94	107	77
	APR-SEP	76	91	101	111%	111	126	91
Big Hole R at Wisdom	APR-JUL	83	124	151	148%	178	220	102
	APR-SEP	87	130	159	147%	189	230	108
Big Hole R nr Melrose	APR-JUL	555	660	730	142%	800	905	515
	APR-SEP	595	710	785	140%	865	975	560
Jefferson R nr Twin Bridges ²	APR-JUL	575	765	895	130%	1020	1210	690
	APR-SEP	620	820	960	132%	1100	1300	730
Boulder R nr Boulder	APR-JUL	82	99	111	161%	123	140	69
	APR-SEP	86	105	118	159%	131	150	74

Willow Ck Reservoir Inflow ²	APR-JUL	11.9	17.8	22	131%	26	32	16.8
Jefferson R nr Three Forks ²	APR-JUL	735	920	1050	142%	1180	1370	740
	APR-SEP	750	965	1110	139%	1250	1470	800

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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	340	380	410	111%	440	480	370
	APR-SEP	430	480	515	110%	550	600	470
Ennis Reservoir Inflow ²	APR-JUL	585	660	715	114%	770	845	625
	APR-SEP	725	815	880	114%	945	1040	775

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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	APR-JUL	405	455	490	123%	525	575	400
	APR-SEP	470	530	570	121%	605	665	470
Hyalite Reservoir Inflow ²	APR-JUL	19.6	22	23	115%	24	26	20
	APR-SEP	23	25	26	113%	27	29	23
Gallatin R at Logan	APR-JUL	380	470	535	122%	600	690	440
	APR-SEP	425	535	605	120%	675	785	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	12.7	15.9	18.1	117%	20	23	15.5
	APR-SEP	14.5	18.4	21	114%	24	28	18.4
Smith R bl Eagle Ck ²	APR-JUL	93	124	145	137%	166	197	106
	APR-SEP	96	133	159	137%	185	220	116
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale	APR-JUL	34	50	61	174%	72	88	35
	APR-SEP	35	53	65	171%	77	95	38
Musselshell R at Harlowton ²	APR-JUL	43	64	78	137%	92	113	57
	APR-SEP	42	66	82	139%	98	122	59

Musselshell R nr Roundup²

APR-JUL	-18.6	44	86	128%	128	191	67
APR-SEP	-17.1	45	87	132%	129	191	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	475	520	555	141%	590	635	395
	APR-SEP	515	570	605	138%	640	695	440
Two Medicine R nr Browning ²								
	APR-JUL	187	210	225	123%	240	265	183
	APR-SEP	196	220	235	121%	255	280	194
Badger Ck nr Browning								
	APR-JUL	80	95	105	119%	115	130	88
	APR-SEP	91	108	120	117%	132	149	103
Swift Reservoir Inflow ²								
	APR-JUL	50	61	69	121%	77	88	57
	APR-SEP	59	72	81	121%	90	103	67
Dupuyer Ck nr Valier								
	APR-JUL	5.3	8.7	11	99%	13.3	16.7	11.1
	APR-SEP	6.1	9.9	12.4	98%	14.9	18.7	12.7
Cut Bank Ck nr Browning								
	APR-JUL	69	80	88	128%	96	107	69
	APR-SEP	74	87	95	127%	103	116	75
Marias R nr Shelby ²								
	APR-JUL	315	390	445	124%	495	570	360
	APR-SEP	325	405	460	123%	520	600	375
Teton R nr Dutton								
	APR-JUL	9.4	35	53	126%	71	97	42
	APR-SEP	13.8	42	61	127%	80	108	48

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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	98	108	115	119%	122	133	97
	APR-SEP	111	123	131	117%	139	151	112
St. Mary R nr Babb ²								
	APR-JUL	380	420	450	122%	475	515	370
	APR-SEP	435	480	515	121%	545	590	425
St. Mary R at Intl Boundary ²								
	APR-JUL	435	495	535	123%	570	630	435
	APR-SEP	500	565	610	121%	650	715	505
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

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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	1760	2080	2300	128%	2520	2840	1790
	APR-SEP	1960	2340	2610	126%	2870	3250	2070
Dearborn R nr Craig								
Missouri R at Fort Benton ²	APR-JUL	2560	3100	3470	133%	3840	4380	2610
	APR-SEP	2950	3600	4040	130%	4480	5130	3110
Missouri R nr Virgelle ²	APR-JUL	2940	3540	3940	131%	4350	4950	3000
	APR-SEP	3320	4040	4530	129%	5010	5730	3520
Missouri R nr Landusky ²	APR-JUL	3160	3800	4240	134%	4680	5330	3160
	APR-SEP	3580	4350	4870	131%	5390	6160	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	3190	3890	4370	135%	4840	5540	3240
	APR-SEP	3410	4300	4910	133%	5520	6410	3700
Lake Sakakawea Inflow ²	APR-JUL	9720	11500	12700	153%	13800	15600	8310
	APR-SEP	10600	12800	14200	151%	15700	17800	9400

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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	685	750	790	137%	835	900	575
	APR-SEP	915	1000	1060	138%	1120	1210	770
Yellowstone R at Corwin Springs	APR-JUL	1940	2110	2220	140%	2340	2510	1590
	APR-SEP	2300	2500	2640	140%	2770	2970	1880
Yellowstone R at Livingston	APR-JUL	2190	2410	2550	142%	2700	2910	1800
	APR-SEP	2610	2860	3030	142%	3200	3450	2140
Shields R nr Livingston	APR-JUL	197	230	250	194%	275	305	129
	APR-SEP	210	245	270	189%	295	330	143
Boulder R at Big Timber	APR-JUL	360	405	435	155%	465	505	280
	APR-SEP	390	440	475	158%	505	555	300
Mystic Lake Inflow ²	APR-JUL	68	73	76	129%	79	84	59
	APR-SEP	87	94	98	132%	102	109	74
Stillwater R nr Absarokee ²	APR-JUL	520	590	635	143%	680	745	445
	APR-SEP	615	690	745	143%	795	875	520
Clarks Fk Yellowstone R nr Belfry	APR-JUL	750	805	845	166%	885	940	510
	APR-SEP	825	885	930	169%	970	1040	550
Cooney Reservoir Inflow	APR-JUL	17.6	29	37	97%	45	56	38
	APR-SEP	25	38	46	96%	55	68	48
Yellowstone R at Billings	APR-JUL	4420	4920	5260	163%	5600	6100	3230
	APR-SEP	5060	5660	6060	162%	6470	7070	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	1380	1750	2010	146%	2270	2650	1380
	APR-SEP	1440	1860	2140	147%	2420	2840	1460
Little Bighorn R nr Hardin	APR-JUL	33	63	83	85%	103	133	98
	APR-SEP	39	72	95	86%	118	151	111
Tongue R nr Dayton ²	APR-JUL	44	60	71	83%	82	98	86
	APR-SEP	52	70	82	84%	94	112	98
Big Goose Ck nr Sheridan	APR-JUL	24	36	44	96%	52	63	46
	APR-SEP	32	44	52	96%	60	72	54
Little Goose Ck nr Bighorn	APR-JUL	18.2	25	30	97%	35	42	31
	APR-SEP	25	33	38	97%	44	52	39
Tongue River Reservoir Inflow ²	APR-JUL	63	123	163	84%	205	265	193
	APR-SEP	78	141	184	86%	225	290	215
Yellowstone R at Miles City ²	APR-JUL	5900	6790	7400	155%	8000	8900	4780
	APR-SEP	6670	7730	8450	155%	9170	10200	5450
Powder R at Moorehead	APR-JUL	108	193	250	141%	305	390	177
	APR-SEP	132	215	275	140%	335	420	196
Powder R nr Locate	APR-JUL	125	215	280	141%	345	435	199
	APR-SEP	146	245	310	141%	375	470	220
Yellowstone R nr Sidney ²	APR-JUL	5940	6960	7660	159%	8350	9370	4830
	APR-SEP	6640	7860	8690	160%	9520	10700	5430

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- 3) Median value used in place of average