

	MAY-JUL	39	42	44	152%	47	50	29
	MAY-SEP	44	47	49	148%	52	55	33
NF Jocko R bl Tabor Feeder Canal								
	MAY-JUL	36	38	39	139%	40	42	28
	MAY-SEP	37	40	41	137%	42	45	30

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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								
	MAY-JUL	64	79	89	159%	99	114	56
	MAY-SEP	70	87	98	156%	109	126	63
Flint Ck nr Southern Cross								
	MAY-JUL	11.1	14.3	16.5	157%	18.7	22	10.5
	MAY-SEP	13.6	17.6	20	157%	23	27	12.7
Flint Ck bl Boulder Ck								
	MAY-JUL	48	60	68	151%	76	88	45
	MAY-SEP	62	76	86	146%	96	110	59
Lower Willow Ck Reservoir Inflow ²								
	MAY	5.6	7.4	8.5	170%	9.7	11.5	5
	MAY-JUL	10.8	13.3	15.1	178%	16.8	19.4	8.5
MF Rock Ck nr Philipsburg								
	MAY-JUL	57	68	75	142%	82	93	53
	MAY-SEP	64	76	83	138%	91	103	60
Rock Ck nr Clinton								
	MAY-JUL	240	290	325	148%	360	410	220
	MAY-SEP	275	330	365	146%	400	455	250
Clark Fork R ab Milltown								
	MAY-JUL	465	605	695	156%	790	925	445
	MAY-SEP	560	710	810	153%	915	1060	530
Nevada Ck nr Helmville								
	MAY	9.1	11.3	12.8	246%	14.4	16.6	5.2
	MAY-JUL	17.9	22	25	227%	28	32	11
Blackfoot R nr Bonner								
	MAY-JUL	925	1010	1060	180%	1120	1200	590
	MAY-SEP	1030	1120	1180	175%	1240	1330	675
Clark Fork R ab Missoula								
	MAY-JUL	1420	1630	1770	172%	1910	2120	1030
	MAY-SEP	1630	1850	2010	168%	2160	2390	1200

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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								
	MAY-JUL	119	140	154	141%	168	189	109
	MAY-SEP	126	151	168	140%	184	210	120
Bitterroot R Nr Darby								
	MAY-JUL	385	445	485	129%	525	590	375
	MAY-SEP	440	500	545	133%	585	650	410
Como Reservoir Inflow ²								
	MAY-JUL	67	75	79	120%	84	92	66
	MAY-SEP	71	79	84	122%	89	96	69
Bitterroot R nr Missoula								

MAY-JUL	1120	1250	1330	134%	1420	1550	990
MAY-SEP	1220	1360	1460	134%	1550	1690	1090

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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	MAY-JUL	2470	2790	3010	148%	3230	3550	2030
	MAY-SEP	2790	3140	3380	147%	3620	3970	2300
Clark Fork R at St. Regis ¹	MAY-JUL	3060	3650	3920	148%	4180	4770	2640
	MAY-SEP	3460	4100	4390	147%	4680	5320	2990
Clark Fork R nr Plains ^{1,2}	MAY-JUL	9670	10800	11400	147%	11900	13100	7780
	MAY-SEP	10600	12000	12600	146%	13200	14500	8650
Thompson nr Thompson Falls	MAY-JUL	108	136	155	112%	175	205	138
	MAY-SEP	129	160	181	112%	200	230	161
Prospect Ck at Thompson Falls	MAY-JUL	65	77	85	112%	93	104	76
	MAY-SEP	72	84	92	110%	101	113	84
Clark Fork R at Whitehorse Rapids ^{1,2}	MAY-JUL	10900	12200	12700	145%	13300	14600	8740
	MAY-SEP	12000	13500	14100	144%	14800	16200	9760

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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	MAY-JUL	26	40	49	98%	59	73	50
	MAY-SEP	30	45	55	98%	66	81	56
Clark Canyon Inflow ²	MAY-JUL	16.1	43	61	95%	79	106	64
	MAY-SEP	26	59	81	98%	103	136	83
Beaverhead R at Barretts ²	MAY-JUL	38	68	89	105%	110	140	85
	MAY-SEP	56	91	115	104%	139	174	111
Ruby R Reservoir Inflow ²	MAY-JUL	50	63	72	107%	80	93	67
	MAY-SEP	62	77	87	106%	97	111	82
Big Hole R at Wisdom	MAY-JUL	63	96	118	157%	140	173	75
	MAY-SEP	67	102	126	158%	150	185	80
Big Hole R nr Melrose	MAY-JUL	480	565	620	141%	675	760	440
	MAY-SEP	515	610	670	140%	730	825	480
Jefferson R nr Twin Bridges ²	MAY-JUL	445	605	715	139%	825	985	515
	MAY-SEP	475	650	770	139%	890	1060	555
Boulder R nr Boulder	MAY-JUL	73	90	101	168%	113	130	60
	MAY-SEP	78	97	109	168%	122	141	65

Willow Ck Reservoir Inflow ²	MAY-JUL	9.9	15.4	19.1	133%	23	28	14.4
Jefferson R nr Three Forks ²	MAY-JUL	575	740	850	148%	960	1120	575
	MAY-SEP	585	775	905	143%	1030	1220	635

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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	MAY-JUL	290	330	355	116%	380	420	305
	MAY-SEP	380	430	465	115%	500	550	405
Ennis Reservoir Inflow ²	MAY-JUL	520	585	630	119%	675	740	530
	MAY-SEP	650	735	790	116%	845	930	680

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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	MAY-JUL	415	455	480	130%	505	545	370
	MAY-SEP	485	530	560	127%	590	635	440
Hyalite Reservoir Inflow ²	MAY-JUL	21	22	24	130%	25	27	18.5
	MAY-SEP	24	26	27	129%	29	31	21
Gallatin R at Logan	MAY-JUL	400	475	525	138%	575	650	380
	MAY-SEP	455	540	600	135%	660	750	445

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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	MAY-JUL	10.7	13.7	15.7	117%	17.7	21	13.4
	MAY-SEP	12.7	16.3	18.8	116%	21	25	16.2
Smith R bl Eagle Ck ²	MAY-JUL	87	114	133	149%	152	179	89
	MAY-SEP	90	123	146	147%	169	200	99
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale	MAY-JUL	41	60	73	197%	86	104	37
	MAY-SEP	44	64	77	193%	90	110	40
Musselshell R at Harlowton ²	MAY-JUL	47	66	78	163%	90	109	48
	MAY-SEP	45	66	80	160%	94	115	50

Musselshell R nr Roundup²

MAY-JUL	41	75	97	180%	120	153	54
MAY-SEP	37	72	97	180%	120	154	54

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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								
	MAY-JUL	520	560	585	165%	615	655	355
	MAY-SEP	565	610	640	162%	670	715	395
Two Medicine R nr Browning ²								
	MAY-JUL	188	210	225	147%	240	265	153
	MAY-SEP	199	225	240	146%	255	280	164
Badger Ck nr Browning								
	MAY-JUL	80	93	102	132%	111	124	77
	MAY-SEP	92	108	118	128%	128	144	92
Swift Reservoir Inflow ²								
	MAY-JUL	49	59	66	135%	73	83	49
	MAY-SEP	58	70	78	130%	86	98	60
Dupuyer Ck nr Valier								
	MAY-JUL	6.6	9.5	11.4	125%	13.3	16.2	9.1
	MAY-SEP	7.5	10.7	12.9	121%	15.1	18.3	10.7
Cut Bank Ck nr Browning								
	MAY-JUL	67	78	85	137%	92	103	62
	MAY-SEP	73	84	92	135%	100	111	68
Marias R nr Shelby ²								
	MAY-JUL	330	400	445	148%	490	560	300
	MAY-SEP	340	415	465	148%	515	590	315
Teton R nr Dutton								
	MAY-JUL	21	43	58	166%	73	95	35
	MAY-SEP	26	50	66	161%	82	106	41

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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								
	MAY-JUL	92	102	109	127%	116	126	86
	MAY-SEP	106	118	125	124%	133	144	101
St. Mary R nr Babb ²								
	MAY-JUL	365	405	430	126%	460	500	340
	MAY-SEP	420	465	500	127%	530	575	395
St. Mary R at Intl Boundary ²								
	MAY-JUL	420	480	515	129%	555	610	400
	MAY-SEP	490	550	595	127%	635	695	470
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	MAY-JUL	1580	1840	2020	136%	2200	2470	1480
	MAY-SEP	1770	2100	2330	132%	2550	2890	1760
Dearborn R nr Craig								
Missouri R at Fort Benton ²	MAY-JUL	2450	2880	3170	145%	3460	3890	2190
	MAY-SEP	2870	3400	3760	140%	4120	4650	2680
Missouri R nr Virgelle ²	MAY-JUL	2860	3330	3640	145%	3950	4420	2510
	MAY-SEP	3270	3850	4240	140%	4640	5210	3030
Missouri R nr Landusky ²	MAY-JUL	3080	3580	3930	148%	4270	4780	2650
	MAY-SEP	3520	4140	4570	143%	4990	5620	3200
Missouri R bl Fort Peck Dam ²	MAY-JUL	3110	3690	4080	151%	4470	5050	2700
	MAY-SEP	3360	4110	4630	147%	5140	5900	3160
Lake Sakakawea Inflow ²	MAY-JUL	9150	10600	11600	160%	12500	14000	7230
	MAY-SEP	10100	11900	13100	157%	14400	16100	8320

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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	MAY-JUL	685	745	790	145%	830	895	545
	MAY-SEP	940	1020	1070	146%	1120	1200	735
Yellowstone R at Corwin Springs	MAY-JUL	1890	2040	2140	145%	2240	2390	1480
	MAY-SEP	2270	2440	2560	145%	2680	2850	1770
Yellowstone R at Livingston	MAY-JUL	2140	2320	2450	147%	2580	2760	1670
	MAY-SEP	2560	2780	2930	146%	3070	3290	2010
Shields R nr Livingston	MAY-JUL	182	215	235	218%	255	290	108
	MAY-SEP	196	230	255	207%	275	310	123
Boulder R at Big Timber	MAY-JUL	355	390	415	154%	440	475	270
	MAY-SEP	380	425	450	155%	475	515	290
Mystic Lake Inflow ²	MAY-JUL	68	72	75	132%	78	82	57
	MAY-SEP	88	93	97	135%	101	106	72
Stillwater R nr Absarokee ²	MAY-JUL	530	585	620	148%	660	715	420
	MAY-SEP	625	690	735	148%	775	840	495
Clarks Fk Yellowstone R nr Belfry	MAY-JUL	770	815	850	177%	885	930	480
	MAY-SEP	845	900	940	179%	975	1030	525
Cooney Reservoir Inflow	MAY-JUL	16.3	26	33	100%	40	50	33
	MAY-SEP	25	36	43	100%	50	61	43
Yellowstone R at Billings	MAY-JUL	4400	4790	5050	168%	5320	5710	3000
	MAY-SEP	5050	5530	5860	168%	6190	6670	3490

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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	MAY-JUL	1300	1570	1760	140%	1940	2210	1260
	MAY-SEP	1380	1670	1870	140%	2070	2370	1340
Little Bighorn R nr Hardin	MAY-JUL	26	52	69	81%	86	112	85
	MAY-SEP	31	60	80	82%	100	129	97
Tongue R nr Dayton ²	MAY-JUL	40	55	65	81%	75	90	80
	MAY-SEP	49	65	77	84%	88	104	92
Big Goose Ck nr Sheridan	MAY-JUL	23	33	40	91%	46	56	44
	MAY-SEP	31	41	48	92%	55	65	52
Little Goose Ck nr Bighorn	MAY-JUL	16	22	26	90%	30	36	29
	MAY-SEP	23	29	34	92%	38	45	37
Tongue River Reservoir Inflow ²	MAY-JUL	53	105	141	81%	177	230	175
	MAY-SEP	70	126	164	83%	200	260	198
Yellowstone R at Miles City ²	MAY-JUL	5650	6360	6840	157%	7320	8030	4370
	MAY-SEP	6440	7290	7880	157%	8460	9310	5030
Powder R at Moorehead	MAY-JUL	70	143	193	128%	245	315	151
	MAY-SEP	89	163	215	126%	265	335	170
Powder R nr Locate	MAY-JUL	72	155	210	128%	270	350	164
	MAY-SEP	91	177	235	127%	295	380	185
Yellowstone R nr Sidney ²	MAY-JUL	5680	6500	7050	161%	7600	8420	4380
	MAY-SEP	6410	7400	8070	162%	8730	9720	4980

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- 3) Median value used in place of average