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Streamflow Forecast Summary: June 1, 2023
(Medians based On 1991-2020 reference period)

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

Flathead	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Sf Flathead R nr Hungry Horse								
	JUN-JUL	52	169	250	46%	325	445	545
	JUN-SEP	86	210	295	49%	385	510	605
NF Flathead R nr Columbia Falls								
	JUN-JUL	93	235	335	45%	435	575	740
	JUN-SEP	177	340	450	51%	555	720	880
Swan R nr Bigfork								
	JUN-JUL	122	154	175	64%	196	230	275
	JUN-SEP	156	194	220	64%	245	285	345
Mission Ck nr St. Ignatius								
	JUN-JUL	10.5	13.2	15	83%	16.8	19.5	18.1
	JUN-SEP	13.2	16.7	19	83%	21	25	23
MF Flathead R nr West Glacier								
	JUN-JUL	99	260	365	51%	475	635	720
	JUN-SEP	162	340	460	56%	585	760	825
SF Jocko R nr Arlee								
	JUN-JUL	6.1	9.7	12.2	64%	14.7	18.3	19.2
	JUN-SEP	8.9	12.9	15.6	68%	18.3	22	23
Mill Ck ab Bassoo ck nr Niarada								
	JUN-JUL	0.44	0.7	0.92	88%	1.17	1.58	1.05
	JUN-SEP	0.67	0.98	1.22	88%	1.49	1.94	1.38
Hungry Horse Reservoir Inflow ^{1,2}								
	JUN-JUL	40	275	380	46%	485	720	830
	JUN-SEP	75	335	455	50%	575	835	915
South Crow Ck nr Ronan								
	JUN-JUL	3.9	5.3	6.3	89%	7.3	8.7	7.1
	JUN-SEP	4.6	6.3	7.5	88%	8.7	10.4	8.5
Flathead R at Columbia Falls ²								
	JUN-JUL	360	805	1110	49%	1410	1850	2270
	JUN-SEP	580	1080	1410	52%	1750	2250	2710
Flathead Lake Inflow ^{1,2}								
	JUN-JUL	255	1000	1340	49%	1680	2430	2750
	JUN-SEP	375	1230	1620	50%	2010	2870	3210

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

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Bitterroot	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Bitterroot R Nr Darby ²								
	JUN-JUL	56	103	135	63%	167	215	215
	JUN-SEP	77	128	162	66%	196	245	245
WF Bitterroot R Nr Conner ²								
	JUN-JUL	12.1	26	36	65%	45	59	55
	JUN-SEP	19.7	35	45	70%	55	70	64
Bitterroot R nr Missoula								
	JUN-JUL	177	305	395	64%	485	615	620
	JUN-SEP	240	385	480	68%	575	715	710

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

Lower Clark Fork	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Clark Fork R at St. Regis ¹	JUN-JUL	370	900	1140	71%	1380	1910	1610
	JUN-SEP	570	1160	1420	73%	1690	2270	1950
Clark Fork R bl Cabinet Gorge Dam ²	JUN-JUL	1400	2330	2950	62%	3580	4500	4790
	JUN-SEP	1910	2950	3660	64%	4370	5410	5750
Prospect Ck at Thompson Falls	JUN-JUL	-4	4	9.4	32%	14.9	23	29
	JUN-SEP	1.06	9.4	15.1	42%	21	29	36
Clark Fork R bl Missoula	JUN-JUL	395	685	885	70%	1080	1380	1270
	JUN-SEP	555	880	1100	71%	1320	1640	1540
Clark Fork R ab Missoula	JUN-JUL	199	370	490	75%	610	780	650
	JUN-SEP	295	490	620	77%	750	945	805
Clark Fork R nr Plains ^{1,2}	JUN-JUL	715	1990	2570	59%	3150	4420	4360
	JUN-SEP	1110	2530	3180	59%	3830	5250	5360

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Upper Clark Fork	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Rock Ck nr Clinton	JUN-JUL	52	83	104	84%	125	156	124
	JUN-SEP	71	106	130	83%	154	189	157
Blackfoot R nr Bonner	JUN-JUL	86	184	250	75%	315	415	335
	JUN-SEP	132	240	310	75%	380	490	415
Nevada Ck nr Helmville	JUN-JUL	0.1	2.5	5	96%	7.5	11.2	5.2
	JUN-SEP	0.09	3.9	6.6	96%	9.3	13.3	6.9
Flint Ck bl Boulder Ck	JUN-JUL	11.2	21	27	93%	33	43	29
	JUN-SEP	21	32	40	91%	48	59	44
Georgetown Lake Inflow ²	JUN-JUL	3	5.5	7.1	115%	8.8	11.3	6.2
	JUN-SEP	4.2	7.3	9.4	113%	11.5	14.6	8.3
Clark Fk at Goldcreek	JUN-JUL	21	64	93		122	165	
	JUN-SEP	36	87	122		157	210	
Clark Fork R ab Milltown	JUN-JUL	85	177	240	91%	300	395	265
	JUN-SEP	130	240	310	86%	385	495	360
MF Rock Ck nr Philipsburg	JUN-JUL	15	22	26	79%	31	37	33
	JUN-SEP	23	30	35	90%	41	48	39

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Kootenai	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Tobacco R nr Eureka								
	JUN-JUL	2	10.7	19.8	33%	29	42	60
	JUN-SEP	1.33	17.2	28	37%	39	55	75
Libby Reservoir Inflow ^{1,2}								
	JUN-JUL	835	1640	2000	64%	2360	3160	3120
	JUN-SEP	1200	2090	2500	64%	2910	3800	3910
Yaak R nr Troy								
	JUN-JUL	9.6	44	68	61%	92	126	112
	JUN-SEP	19.7	57	83	64%	109	146	130

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Lower Yellowstone	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Yellowstone R nr Sidney ²								
	JUN-JUL	1610	2250	2690	80%	3130	3770	3360
	JUN-SEP	1640	2480	3050	77%	3620	4460	3950
Yellowstone R at Miles City ²								
	JUN-JUL	1710	2280	2670	79%	3060	3630	3390
	JUN-SEP	1840	2600	3110	76%	3620	4380	4100

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Powder	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Powder R nr Locate								
	JUN-JUL	13	64	99	100%	134	185	99
	JUN-SEP	22	78	117	97%	156	210	121
NF Powder R nr Hazelton								
	JUN-JUL	1.65	3	3.9	89%	4.8	6.1	4.4
	JUN-SEP	2.2	3.6	4.6	87%	5.6	7	5.3
MF Powder R nr Barnum								
	JUN-JUL	-0.44	2.1	3.8	97%	5.5	8	3.9
	JUN-SEP	0.17	2.7	4.5	92%	6.3	8.8	4.9
Powder R at Moorhead								
	JUN-JUL	16.2	58	87	99%	116	158	88
	JUN-SEP	28	73	104	98%	135	180	106
Piney Ck at Kearny								
	JUN-JUL	10.9	18.7	24	92%	29	37	26
	JUN-SEP	13.2	22	28	90%	34	43	31
Rock Ck nr Buffalo								
	JUN-JUL	5.2	8.7	11	92%	13.3	16.8	11.9
	JUN-SEP	8.6	12.1	14.5	90%	16.9	20	16.1

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Tongue	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Little Goose Ck nr Big Horn	JUN-JUL	9.8	12.6	14.6	75%	16.6	19.4	19.4
	JUN-SEP	15.8	19.5	22	76%	25	28	29
Tongue R nr Dayton ²	JUN-JUL	23	31	36	75%	42	50	48
	JUN-SEP	31	41	47	76%	53	63	62
Big Goose Ck nr Sheridan	JUN-JUL	13.3	19.7	24	75%	28	35	32
	JUN-SEP	21	27	32	78%	36	43	41
Tongue River Reservoir Inflow ²	JUN-JUL	41	68	86	70%	104	131	123
	JUN-SEP	51	83	105	73%	127	159	144

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Bighorn	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Buffalo Bill Reservoir Inflow ²	JUN-JUL	270	330	375	82%	420	480	460
	JUN-SEP	310	380	430	83%	480	550	520
Wind R at Riverton ²	JUN-JUL	183	245	290	78%	335	395	370
	JUN-SEP	210	290	345	82%	400	480	420
Dinwoody Ck nr Burris	JUN-JUL	36	42	46	79%	51	57	58
	JUN-SEP	59	66	71	85%	76	84	84
Little Popo Agie R nr Lander	JUN-JUL	28	32	35	125%	38	42	28
	JUN-SEP	34	38	41	124%	44	48	33
Boysen Reservoir Inflow ²	JUN-JUL	300	390	455	100%	520	610	455
	JUN-SEP	270	385	465	96%	545	660	485
Little Bighorn R nr Hardin	JUN-JUL	14.9	32	43	78%	54	71	55
	JUN-SEP	21	40	54	79%	68	87	68
Shell Ck nr Shell	JUN-JUL	13.5	19.8	24	71%	28	34	34
	JUN-SEP	23	30	35	74%	40	47	47
Bighorn R at Kane ²	JUN-JUL	295	450	555	82%	660	815	675
	JUN-SEP	260	445	570	77%	695	880	740
Wind R Ab Bull Lake Ck ²	JUN-JUL	174	225	260	74%	295	345	350
	JUN-SEP	155	225	270	75%	315	385	360
Bighorn R nr St. Xavier ²	JUN-JUL	460	670	815	78%	960	1170	1050
	JUN-SEP	400	655	830	75%	1000	1260	1110

Greybull R at Meeteetse								
	JUN-JUL	55	79	95	93%	111	135	102
	JUN-SEP	90	119	138	90%	157	186	153
SF Shoshone R nr Valley								
	JUN-JUL	96	119	135	84%	151	174	160
	JUN-SEP	117	144	162	84%	180	205	194
NF Shoshone R at Wapiti								
	JUN-JUL	192	230	255	81%	280	320	315
	JUN-SEP	230	270	300	81%	330	370	370
Bull Lake Ck nr Lenore ²								
	JUN-JUL	69	81	89	86%	97	109	103
	JUN-SEP	89	105	116	89%	127	143	130
Little Wind R nr Riverton								
	JUN-JUL	176	215	240	133%	265	300	181
	JUN-SEP	196	240	265	129%	295	335	205
SF Shoshone R ab Buffalo Bill Reservoir								
	JUN-JUL	78	105	123	81%	141	168	151
	JUN-SEP	76	106	126	79%	146	176	160

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Upper Yellowstone	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Yellowstone R at Billings ²								
	JUN-JUL	1180	1510	1740	76%	1970	2300	2290
	JUN-SEP	1380	1810	2100	73%	2390	2820	2860
Yellowstone R at Yellowstone Lake Outlet								
	JUN-JUL	285	355	400	85%	450	515	470
	JUN-SEP	415	495	550	81%	610	690	680
Yellowstone R at Livingston								
	JUN-JUL	740	895	1000	78%	1100	1260	1280
	JUN-SEP	935	1130	1260	80%	1390	1580	1580
Shields R nr Livingston								
	JUN-JUL	7.1	31	47	84%	63	86	56
	JUN-SEP	10.6	37	56	88%	74	101	64
Cooney Reservoir Inflow								
	JUN-JUL	6.6	13	17.3	79%	22	28	22
	JUN-SEP	13	21	26	81%	31	38	32
Boulder R at Big Timber								
	JUN-JUL	116	147	169	79%	190	220	215
	JUN-SEP	121	159	185	77%	210	250	240
Clarks Fk Yellowstone R nr Belfry								
	JUN-JUL	230	275	305	82%	335	380	370
	JUN-SEP	245	300	335	84%	370	425	400
Mystic Lake Inflow ²								
	JUN-JUL	33	37	40	83%	43	47	48
	JUN-SEP	43	49	53	82%	57	63	65
Stillwater R nr Absarokee ²								
	JUN-JUL	196	245	275	82%	305	355	335
	JUN-SEP	235	295	340	81%	380	440	420
Yellowstone R at Corwin Springs								
	JUN-JUL	650	775	860	78%	945	1070	1100
	JUN-SEP	825	985	1090	77%	1200	1350	1420

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Sun-Teton-Marias	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Marias R nr Shelby ²	JUN-JUL	1	42	85	56%	128	191	153
	JUN-SEP	1	39	89	66%	138	210	135
Badger Ck nr Browning	JUN-JUL	4.1	16.6	25	69%	33	46	36
	JUN-SEP	7.7	22	32	67%	42	56	48
Teton R nr Dutton ²	JUN-JUL	1.41	5.8	10.4	74%	16.4	28	14.1
	JUN-SEP	2.2	7.7	13.4	81%	21	34	16.5
Gibson Reservoir Inflow ²	JUN-JUL	89	125	150	85%	175	210	176
	JUN-SEP	107	150	180	80%	210	255	225
Two Medicine R bl SF nr Browning ²	JUN-JUL	15.7	40	56	74%	73	97	76
	JUN-SEP	22	48	65	75%	83	108	87
Swift Reservoir Inflow	JUN-JUL	8	15.2	20	77%	25	32	26
	JUN-SEP	12.5	22	28	85%	34	44	33
Dupuyer Ck nr Valier	JUN-JUL	0.29	1.97	3.5	80%	5	7.3	4.4
	JUN-SEP	0.3	2.5	4.1	79%	5.7	8.1	5.2

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Smith-Judith-Musselshell	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Smith R bl Eagle Ck ²	JUN-JUL	12.8	37	54	120%	71	95	45
	JUN-SEP	18.2	45	63	121%	81	108	52
Musselshell R at Harlowton ²	JUN-JUL	1	14.1	26	96%	38	56	27
	JUN-SEP	1	12.4	26	96%	41	61	27
Musselshell R nr Roundup ²	JUN-JUL	1	8.2	32	107%	56	91	30
	JUN-SEP	0.3	0.89	28	112%	55	95	25

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Missouri Mainstem	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Missouri R nr Virgelle ²	JUN-JUL	865	1200	1430	88%	1660	1990	1630
	JUN-SEP	1150	1560	1840	88%	2120	2530	2090
Missouri R bl Fort Peck Dam ²	JUN-JUL	760	1220	1530	93%	1840	2300	1640

Lake Sakakawea Inflow ²	JUN-SEP	770	1410	1850	95%	2290	2930	1950
	JUN-JUL	2510	3620	4370	79%	5120	6230	5560
Missouri R nr Landusky ²	JUN-SEP	2570	4060	5080	79%	6100	7590	6450
	JUN-JUL	920	1290	1540	91%	1790	2160	1690
Missouri R at Fort Benton ²	JUN-SEP	1220	1670	1980	89%	2290	2740	2230
	JUN-JUL	805	1100	1300	98%	1500	1800	1320
	JUN-SEP	1090	1450	1700	96%	1950	2310	1780

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Helena Valley	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Missouri R at Toston ²	JUN-JUL	510	720	860	92%	1000	1210	935
	JUN-SEP	635	895	1070	95%	1250	1510	1130

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Gallatin	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Hyalite Reservoir Inflow ²	JUN-JUL	8.3	10.1	11.4	84%	12.7	14.5	13.6
	JUN-SEP	10	12.4	14	88%	15.6	18	15.9
Gallatin R at Logan	JUN-JUL	73	132	172	78%	210	270	220
	JUN-SEP	104	173	220	83%	265	335	265
Gallatin R nr Gallatin Gateway	JUN-JUL	148	185	210	86%	235	270	245
	JUN-SEP	194	240	270	89%	300	345	305

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Madison	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Ennis Lake Inflow ²	JUN-JUL	245	300	335	108%	370	425	310
	JUN-SEP	350	415	460	101%	510	575	455
Hebgen Lake Inflow ²	JUN-JUL	127	152	169	109%	186	210	155
	JUN-SEP	210	240	265	106%	290	320	250

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Jefferson	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Willow Ck Reservoir Inflow ²	JUN-JUL	1	3.9	6.9	68%	9.9	14.4	10.2
Big Hole R at Wisdom	JUN-JUL	1	13.1	28	80%	43	65	35
	JUN-SEP	1	15.6	32	78%	48	72	41
Lima Reservoir Inflow ²	JUN-JUL	16.8	27	34	131%	41	51	26
	JUN-SEP	23	35	43	123%	51	63	35
Boulder R nr Boulder	JUN-JUL	17.2	27	33	118%	39	49	28
	JUN-SEP	19.6	31	38	127%	45	56	30
Jefferson R nr Three Forks ²	JUN-JUL	181	290	365	124%	440	550	295
	JUN-SEP	184	315	405	127%	495	625	320
Big Hole R nr Melrose	JUN-JUL	104	168	210	88%	255	320	240
	JUN-SEP	126	198	250	83%	295	370	300
Jefferson R nr Twin Bridges ²	JUN-JUL	52	167	245	114%	325	440	215
	JUN-SEP	73	199	285	121%	370	495	235
Beaverhead R at Barretts ²	JUN-JUL	12.2	34	49	204%	64	86	24
	JUN-SEP	27	54	72	189%	90	117	38
Clark Canyon Inflow ²	JUN-JUL	3.8	22	34	351%	46	64	9.7
	JUN-SEP	8	30	45	238%	60	82	18.9
Ruby R Reservoir Inflow	JUN-JUL	31	40	47	134%	53	62	35
	JUN-SEP	44	55	62	127%	69	80	49

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

St. Marys	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
St. Mary R at Intl Boundary ²	JUN-JUL	82	140	179	69%	220	275	260
	JUN-SEP	122	188	235	71%	280	345	330
Lake Sherburne Inflow ²	JUN-JUL	18.4	28	35	67%	42	52	52
	JUN-SEP	28	40	48	73%	56	68	66
St. Mary R nr Babb ²	JUN-JUL	89	128	155	67%	182	220	230
	JUN-SEP	119	166	198	71%	230	275	280

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

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

Eastern Montana	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Marias R nr Shelby ²	JUN-JUL	1	42	85	56%	128	191	153
	JUN-SEP	1	39	89	66%	138	210	135
Badger Ck nr Browning	JUN-JUL	4.1	16.6	25	69%	33	46	36
	JUN-SEP	7.7	22	32	67%	42	56	48
Teton R nr Dutton ²	JUN-JUL	1.41	5.8	10.4	74%	16.4	28	14.1
	JUN-SEP	2.2	7.7	13.4	81%	21	34	16.5
Gibson Reservoir Inflow ²	JUN-JUL	89	125	150	85%	175	210	176
	JUN-SEP	107	150	180	80%	210	255	225
Smith R bl Eagle Ck ²	JUN-JUL	12.8	37	54	120%	71	95	45
	JUN-SEP	18.2	45	63	121%	81	108	52
Missouri R nr Virgelle ²	JUN-JUL	865	1200	1430	88%	1660	1990	1630
	JUN-SEP	1150	1560	1840	88%	2120	2530	2090
Two Medicine R bl SF nr Browning ²	JUN-JUL	15.7	40	56	74%	73	97	76
	JUN-SEP	22	48	65	75%	83	108	87
Swift Reservoir Inflow	JUN-JUL	8	15.2	20	77%	25	32	26
	JUN-SEP	12.5	22	28	85%	34	44	33
Musselshell R at Harlowton ²	JUN-JUL	1	14.1	26	96%	38	56	27
	JUN-SEP	1	12.4	26	96%	41	61	27
Missouri R bl Fort Peck Dam ²	JUN-JUL	760	1220	1530	93%	1840	2300	1640
	JUN-SEP	770	1410	1850	95%	2290	2930	1950
Lake Sakakawea Inflow ²	JUN-JUL	2510	3620	4370	79%	5120	6230	5560
	JUN-SEP	2570	4060	5080	79%	6100	7590	6450
Missouri R nr Landusky ²	JUN-JUL	920	1290	1540	91%	1790	2160	1690
	JUN-SEP	1220	1670	1980	89%	2290	2740	2230
Missouri R at Toston ²	JUN-JUL	510	720	860	92%	1000	1210	935
	JUN-SEP	635	895	1070	95%	1250	1510	1130
Musselshell R nr Roundup ²	JUN-JUL	1	8.2	32	107%	56	91	30
	JUN-SEP	0.3	0.89	28	112%	55	95	25
Dupuyer Ck nr Valier	JUN-JUL	0.29	1.97	3.5	80%	5	7.3	4.4
	JUN-SEP	0.3	2.5	4.1	79%	5.7	8.1	5.2
Missouri R at Fort Benton ²	JUN-JUL	805	1100	1300	98%	1500	1800	1320
	JUN-SEP	1090	1450	1700	96%	1950	2310	1780

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

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

MTDCO	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Badger Ck nr Browning	JUN-JUL	4.1	16.6	25	69%	33	46	36
	JUN-SEP	7.7	22	32	67%	42	56	48
Swift Reservoir Inflow	JUN-JUL	8	15.2	20	77%	25	32	26
	JUN-SEP	12.5	22	28	85%	34	44	33
Gibson Reservoir Inflow ²	JUN-JUL	89	125	150	85%	175	210	176
	JUN-SEP	107	150	180	80%	210	255	225
Tongue River Reservoir Inflow ²	JUN-JUL	41	68	86	70%	104	131	123
	JUN-SEP	51	83	105	73%	127	159	144
Musselshell R at Harlowton ²	JUN-JUL	1	14.1	26	96%	38	56	27
	JUN-SEP	1	12.4	26	96%	41	61	27
Greybull R at Meeteetse	JUN-JUL	55	79	95	93%	111	135	102
	JUN-SEP	90	119	138	90%	157	186	153
Little Wind R nr Riverton	JUN-JUL	176	215	240	133%	265	300	181
	JUN-SEP	196	240	265	129%	295	335	205
Clark Fork R ab Milltown	JUN-JUL	85	177	240	91%	300	395	265
	JUN-SEP	130	240	310	86%	385	495	360
NF Powder R nr Hazelton	JUN-JUL	1.65	3	3.9	89%	4.8	6.1	4.4
	JUN-SEP	2.2	3.6	4.6	87%	5.6	7	5.3
St. Mary R at Intl Boundary ²	JUN-JUL	82	140	179	69%	220	275	260
	JUN-SEP	122	188	235	71%	280	345	330
Georgetown Lake Inflow ²	JUN-JUL	3	5.5	7.1	115%	8.8	11.3	6.2
	JUN-SEP	4.2	7.3	9.4	113%	11.5	14.6	8.3
Lake Sakakawea Inflow ²	JUN-JUL	2510	3620	4370	79%	5120	6230	5560
	JUN-SEP	2570	4060	5080	79%	6100	7590	6450
Mystic Lake Inflow ²	JUN-JUL	33	37	40	83%	43	47	48
	JUN-SEP	43	49	53	82%	57	63	65
Missouri R at Fort Benton ²	JUN-JUL	805	1100	1300	98%	1500	1800	1320
	JUN-SEP	1090	1450	1700	96%	1950	2310	1780
Willow Ck Reservoir Inflow ²	JUN-JUL	1	3.9	6.9	68%	9.9	14.4	10.2
Yellowstone R nr Sidney ²	JUN-JUL	1610	2250	2690	80%	3130	3770	3360
	JUN-SEP	1640	2480	3050	77%	3620	4460	3950
St. Mary R nr Babb ²	JUN-JUL	89	128	155	67%	182	220	230
	JUN-SEP	119	166	198	71%	230	275	280
Yellowstone R at Miles City ²	JUN-JUL	1710	2280	2670	79%	3060	3630	3390
	JUN-SEP	1840	2600	3110	76%	3620	4380	4100
NF Shoshone R at Wapiti	JUN-JUL	192	230	255	81%	280	320	315
	JUN-SEP	230	270	300	81%	330	370	370
Bitterroot R Nr Darby ²	JUN-JUL	56	103	135	63%	167	215	215
	JUN-SEP	77	128	162	66%	196	245	245

Clark Fork R nr Plains ^{1,2}	JUN-JUL	715	1990	2570	59%	3150	4420	4360
	JUN-SEP	1110	2530	3180	59%	3830	5250	5360
Flathead Lake Inflow ^{1,2}	JUN-JUL	255	1000	1340	49%	1680	2430	2750
	JUN-SEP	375	1230	1620	50%	2010	2870	3210
Lake Sherburne Inflow ²	JUN-JUL	18.4	28	35	67%	42	52	52
	JUN-SEP	28	40	48	73%	56	68	66
Rock Ck nr Clinton	JUN-JUL	52	83	104	84%	125	156	124
	JUN-SEP	71	106	130	83%	154	189	157
NF Flathead R nr Columbia Falls	JUN-JUL	93	235	335	45%	435	575	740
	JUN-SEP	177	340	450	51%	555	720	880
Blackfoot R nr Bonner	JUN-JUL	86	184	250	75%	315	415	335
	JUN-SEP	132	240	310	75%	380	490	415
Yaak R nr Troy	JUN-JUL	9.6	44	68	61%	92	126	112
	JUN-SEP	19.7	57	83	64%	109	146	130
Bighorn R nr St. Xavier ²	JUN-JUL	460	670	815	78%	960	1170	1050
	JUN-SEP	400	655	830	75%	1000	1260	1110
Lima Reservoir Inflow ²	JUN-JUL	16.8	27	34	131%	41	51	26
	JUN-SEP	23	35	43	123%	51	63	35
Clark Fork R ab Missoula	JUN-JUL	199	370	490	75%	610	780	650
	JUN-SEP	295	490	620	77%	750	945	805
Gallatin R at Logan	JUN-JUL	73	132	172	78%	210	270	220
	JUN-SEP	104	173	220	83%	265	335	265
Swan R nr Bigfork	JUN-JUL	122	154	175	64%	196	230	275
	JUN-SEP	156	194	220	64%	245	285	345
Little Popo Agie R nr Lander	JUN-JUL	28	32	35	125%	38	42	28
	JUN-SEP	34	38	41	124%	44	48	33
Teton R nr Dutton ²	JUN-JUL	1.41	5.8	10.4	74%	16.4	28	14.1
	JUN-SEP	2.2	7.7	13.4	81%	21	34	16.5
Yellowstone R at Livingston	JUN-JUL	740	895	1000	78%	1100	1260	1280
	JUN-SEP	935	1130	1260	80%	1390	1580	1580
Missouri R bl Fort Peck Dam ²	JUN-JUL	760	1220	1530	93%	1840	2300	1640
	JUN-SEP	770	1410	1850	95%	2290	2930	1950
Bitterroot R nr Missoula	JUN-JUL	177	305	395	64%	485	615	620
	JUN-SEP	240	385	480	68%	575	715	710
Little Goose Ck nr Big Horn	JUN-JUL	9.8	12.6	14.6	75%	16.6	19.4	19.4
	JUN-SEP	15.8	19.5	22	76%	25	28	29
Wind R at Riverton ²	JUN-JUL	183	245	290	78%	335	395	370
	JUN-SEP	210	290	345	82%	400	480	420
Powder R nr Locate	JUN-JUL	13	64	99	100%	134	185	99
	JUN-SEP	22	78	117	97%	156	210	121
Mission Ck nr St. Ignatius	JUN-JUL	10.5	13.2	15	83%	16.8	19.5	18.1

Cooney Reservoir Inflow	JUN-SEP	13.2	16.7	19	83%	21	25	23
	JUN-JUL	6.6	13	17.3	79%	22	28	22
Gallatin R nr Gallatin Gateway	JUN-SEP	13	21	26	81%	31	38	32
	JUN-JUL	148	185	210	86%	235	270	245
Yellowstone R at Corwin Springs	JUN-SEP	194	240	270	89%	300	345	305
	JUN-JUL	650	775	860	78%	945	1070	1100
Tongue R nr Dayton ²	JUN-SEP	825	985	1090	77%	1200	1350	1420
	JUN-JUL	23	31	36	75%	42	50	48
Ennis Lake Inflow ²	JUN-SEP	31	41	47	76%	53	63	62
	JUN-JUL	245	300	335	108%	370	425	310
Mill Ck ab Bassoo ck nr Niarada	JUN-SEP	350	415	460	101%	510	575	455
	JUN-JUL	0.44	0.7	0.92	88%	1.17	1.58	1.05
Jefferson R nr Three Forks ²	JUN-SEP	0.67	0.98	1.22	88%	1.49	1.94	1.38
	JUN-JUL	181	290	365	124%	440	550	295
Musselshell R nr Roundup ²	JUN-SEP	184	315	405	127%	495	625	320
	JUN-JUL	1	8.2	32	107%	56	91	30
Dupuyer Ck nr Valier	JUN-SEP	0.3	0.89	28	112%	55	95	25
	JUN-JUL	0.29	1.97	3.5	80%	5	7.3	4.4
Hyalite Reservoir Inflow ²	JUN-SEP	0.3	2.5	4.1	79%	5.7	8.1	5.2
	JUN-JUL	8.3	10.1	11.4	84%	12.7	14.5	13.6
Ruby R Reservoir Inflow	JUN-SEP	10	12.4	14	88%	15.6	18	15.9
	JUN-JUL	31	40	47	134%	53	62	35
Buffalo Bill Reservoir Inflow ²	JUN-SEP	44	55	62	127%	69	80	49
	JUN-JUL	270	330	375	82%	420	480	460
WF Bitterroot R Nr Conner ²	JUN-SEP	310	380	430	83%	480	550	520
	JUN-JUL	12.1	26	36	65%	45	59	55
Dinwoody Ck nr Burris	JUN-SEP	19.7	35	45	70%	55	70	64
	JUN-JUL	36	42	46	79%	51	57	58
Big Hole R at Wisdom	JUN-SEP	59	66	71	85%	76	84	84
	JUN-JUL	1	13.1	28	80%	43	65	35
Hungry Horse Reservoir Inflow ^{1,2}	JUN-SEP	1	15.6	32	78%	48	72	41
	JUN-JUL	40	275	380	46%	485	720	830
Jefferson R nr Twin Bridges ²	JUN-SEP	75	335	455	50%	575	835	915
	JUN-JUL	52	167	245	114%	325	440	215
Hebgen Lake Inflow ²	JUN-SEP	73	199	285	121%	370	495	235
	JUN-JUL	127	152	169	109%	186	210	155
Stillwater R nr Absarokee ²	JUN-SEP	210	240	265	106%	290	320	250
	JUN-JUL	196	245	275	82%	305	355	335
Clark Canyon Inflow ²	JUN-SEP	235	295	340	81%	380	440	420
	JUN-JUL	3.8	22	34	351%	46	64	9.7
	JUN-SEP	8	30	45	238%	60	82	18.9

MF Rock Ck nr Philipsburg								
	JUN-JUL	15	22	26	79%	31	37	33
	JUN-SEP	23	30	35	90%	41	48	39
Shell Ck nr Shell								
	JUN-JUL	13.5	19.8	24	71%	28	34	34
	JUN-SEP	23	30	35	74%	40	47	47
Big Hole R nr Melrose								
	JUN-JUL	104	168	210	88%	255	320	240
	JUN-SEP	126	198	250	83%	295	370	300
SF Shoshone R ab Buffalo Bill Reservoir								
	JUN-JUL	78	105	123	81%	141	168	151
	JUN-SEP	76	106	126	79%	146	176	160
Yellowstone R at Billings ²								
	JUN-JUL	1180	1510	1740	76%	1970	2300	2290
	JUN-SEP	1380	1810	2100	73%	2390	2820	2860
Clark Fork R bl Cabinet Gorge Dam ²								
	JUN-JUL	1400	2330	2950	62%	3580	4500	4790
	JUN-SEP	1910	2950	3660	64%	4370	5410	5750
Clark Fk at Goldcreek								
	JUN-JUL	21	64	93		122	165	
	JUN-SEP	36	87	122		157	210	
Tobacco R nr Eureka								
	JUN-JUL	2	10.7	19.8	33%	29	42	60
	JUN-SEP	1.33	17.2	28	37%	39	55	75
Boulder R at Big Timber								
	JUN-JUL	116	147	169	79%	190	220	215
	JUN-SEP	121	159	185	77%	210	250	240
Missouri R at Toston ²								
	JUN-JUL	510	720	860	92%	1000	1210	935
	JUN-SEP	635	895	1070	95%	1250	1510	1130
Marias R nr Shelby ²								
	JUN-JUL	1	42	85	56%	128	191	153
	JUN-SEP	1	39	89	66%	138	210	135
Bighorn R at Kane ²								
	JUN-JUL	295	450	555	82%	660	815	675
	JUN-SEP	260	445	570	77%	695	880	740
SF Shoshone R nr Valley								
	JUN-JUL	96	119	135	84%	151	174	160
	JUN-SEP	117	144	162	84%	180	205	194
Clark Fork R bl Missoula								
	JUN-JUL	395	685	885	70%	1080	1380	1270
	JUN-SEP	555	880	1100	71%	1320	1640	1540
Missouri R nr Virgelle ²								
	JUN-JUL	865	1200	1430	88%	1660	1990	1630
	JUN-SEP	1150	1560	1840	88%	2120	2530	2090
Shields R nr Livingston								
	JUN-JUL	7.1	31	47	84%	63	86	56
	JUN-SEP	10.6	37	56	88%	74	101	64
Rock Ck nr Buffalo								
	JUN-JUL	5.2	8.7	11	92%	13.3	16.8	11.9
	JUN-SEP	8.6	12.1	14.5	90%	16.9	20	16.1
Clarks Fk Yellowstone R nr Belfry								
	JUN-JUL	230	275	305	82%	335	380	370
	JUN-SEP	245	300	335	84%	370	425	400
Big Goose Ck nr Sheridan								
	JUN-JUL	13.3	19.7	24	75%	28	35	32
	JUN-SEP	21	27	32	78%	36	43	41
MF Flathead R nr West Glacier								
	JUN-JUL	99	260	365	51%	475	635	720
	JUN-SEP	162	340	460	56%	585	760	825
Smith R bl Eagle Ck ²								
	JUN-JUL	12.8	37	54	120%	71	95	45

JUN-JUL	10.9	18.7	24	92%	29	37	26
JUN-SEP	13.2	22	28	90%	34	43	31

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

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

Missouri Headwaters	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Ennis Lake Inflow ²	JUN-JUL	245	300	335	108%	370	425	310
	JUN-SEP	350	415	460	101%	510	575	455
Gallatin R at Logan	JUN-JUL	73	132	172	78%	210	270	220
	JUN-SEP	104	173	220	83%	265	335	265
Willow Ck Reservoir Inflow ²	JUN-JUL	1	3.9	6.9	68%	9.9	14.4	10.2
	JUN-SEP	1	3.9	6.9	68%	9.9	14.4	10.2
Hyalite Reservoir Inflow ²	JUN-JUL	8.3	10.1	11.4	84%	12.7	14.5	13.6
	JUN-SEP	10	12.4	14	88%	15.6	18	15.9
Big Hole R at Wisdom	JUN-JUL	1	13.1	28	80%	43	65	35
	JUN-SEP	1	15.6	32	78%	48	72	41
Lima Reservoir Inflow ²	JUN-JUL	16.8	27	34	131%	41	51	26
	JUN-SEP	23	35	43	123%	51	63	35
Boulder R nr Boulder	JUN-JUL	17.2	27	33	118%	39	49	28
	JUN-SEP	19.6	31	38	127%	45	56	30
Jefferson R nr Three Forks ²	JUN-JUL	181	290	365	124%	440	550	295
	JUN-SEP	184	315	405	127%	495	625	320
Big Hole R nr Melrose	JUN-JUL	104	168	210	88%	255	320	240
	JUN-SEP	126	198	250	83%	295	370	300
Hebgen Lake Inflow ²	JUN-JUL	127	152	169	109%	186	210	155
	JUN-SEP	210	240	265	106%	290	320	250
Gallatin R nr Gallatin Gateway	JUN-JUL	148	185	210	86%	235	270	245
	JUN-SEP	194	240	270	89%	300	345	305
Jefferson R nr Twin Bridges ²	JUN-JUL	52	167	245	114%	325	440	215
	JUN-SEP	73	199	285	121%	370	495	235
Beaverhead R at Barretts ²	JUN-JUL	12.2	34	49	204%	64	86	24
	JUN-SEP	27	54	72	189%	90	117	38
Clark Canyon Inflow ²	JUN-JUL	3.8	22	34	351%	46	64	9.7
	JUN-SEP	8	30	45	238%	60	82	18.9
Ruby R Reservoir Inflow	JUN-JUL	31	40	47	134%	53	62	35
	JUN-SEP	44	55	62	127%	69	80	49

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

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

Montana	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Lake Sherburne Inflow ²	JUN-JUL	18.4	28	35	67%	42	52	52
	JUN-SEP	28	40	48	73%	56	68	66
Rock Ck nr Clinton	JUN-JUL	52	83	104	84%	125	156	124
	JUN-SEP	71	106	130	83%	154	189	157
NF Flathead R nr Columbia Falls	JUN-JUL	93	235	335	45%	435	575	740
	JUN-SEP	177	340	450	51%	555	720	880
WF Bitterroot R Nr Conner ²	JUN-JUL	12.1	26	36	65%	45	59	55
	JUN-SEP	19.7	35	45	70%	55	70	64
Badger Ck nr Browning	JUN-JUL	4.1	16.6	25	69%	33	46	36
	JUN-SEP	7.7	22	32	67%	42	56	48
Blackfoot R nr Bonner	JUN-JUL	86	184	250	75%	315	415	335
	JUN-SEP	132	240	310	75%	380	490	415
Yaak R nr Troy	JUN-JUL	9.6	44	68	61%	92	126	112
	JUN-SEP	19.7	57	83	64%	109	146	130
Shields R nr Livingston	JUN-JUL	7.1	31	47	84%	63	86	56
	JUN-SEP	10.6	37	56	88%	74	101	64
Swift Reservoir Inflow	JUN-JUL	8	15.2	20	77%	25	32	26
	JUN-SEP	12.5	22	28	85%	34	44	33
Big Hole R at Wisdom	JUN-JUL	1	13.1	28	80%	43	65	35
	JUN-SEP	1	15.6	32	78%	48	72	41
Lima Reservoir Inflow ²	JUN-JUL	16.8	27	34	131%	41	51	26
	JUN-SEP	23	35	43	123%	51	63	35
Clark Fork R ab Missoula	JUN-JUL	199	370	490	75%	610	780	650
	JUN-SEP	295	490	620	77%	750	945	805
Hungry Horse Reservoir Inflow ^{1,2}	JUN-JUL	40	275	380	46%	485	720	830
	JUN-SEP	75	335	455	50%	575	835	915
Jefferson R nr Twin Bridges ²	JUN-JUL	52	167	245	114%	325	440	215
	JUN-SEP	73	199	285	121%	370	495	235
Hebgen Lake Inflow ²	JUN-JUL	127	152	169	109%	186	210	155
	JUN-SEP	210	240	265	106%	290	320	250
Stillwater R nr Absarokee ²	JUN-JUL	196	245	275	82%	305	355	335
	JUN-SEP	235	295	340	81%	380	440	420
Clark Canyon Inflow ²	JUN-JUL	3.8	22	34	351%	46	64	9.7
	JUN-SEP	8	30	45	238%	60	82	18.9
MF Rock Ck nr Philipsburg	JUN-JUL	15	22	26	79%	31	37	33
	JUN-SEP	23	30	35	90%	41	48	39
Gallatin R at Logan	JUN-JUL	73	132	172	78%	210	270	220
	JUN-SEP	104	173	220	83%	265	335	265

Swan R nr Bigfork	JUN-JUL	122	154	175	64%	196	230	275
	JUN-SEP	156	194	220	64%	245	285	345
Teton R nr Dutton ²	JUN-JUL	1.41	5.8	10.4	74%	16.4	28	14.1
	JUN-SEP	2.2	7.7	13.4	81%	21	34	16.5
Gibson Reservoir Inflow ²	JUN-JUL	89	125	150	85%	175	210	176
	JUN-SEP	107	150	180	80%	210	255	225
MF Flathead R nr West Glacier	JUN-JUL	99	260	365	51%	475	635	720
	JUN-SEP	162	340	460	56%	585	760	825
Smith R bl Eagle Ck ²	JUN-JUL	12.8	37	54	120%	71	95	45
	JUN-SEP	18.2	45	63	121%	81	108	52
Yellowstone R at Livingston	JUN-JUL	740	895	1000	78%	1100	1260	1280
	JUN-SEP	935	1130	1260	80%	1390	1580	1580
Musselshell R at Harlowton ²	JUN-JUL	1	14.1	26	96%	38	56	27
	JUN-SEP	1	12.4	26	96%	41	61	27
Bitterroot R nr Missoula	JUN-JUL	177	305	395	64%	485	615	620
	JUN-SEP	240	385	480	68%	575	715	710
Big Hole R nr Melrose	JUN-JUL	104	168	210	88%	255	320	240
	JUN-SEP	126	198	250	83%	295	370	300
Clark Fork R ab Milltown	JUN-JUL	85	177	240	91%	300	395	265
	JUN-SEP	130	240	310	86%	385	495	360
Libby Reservoir Inflow ^{1,2}	JUN-JUL	835	1640	2000	64%	2360	3160	3120
	JUN-SEP	1200	2090	2500	64%	2910	3800	3910
Flathead R at Columbia Falls ²	JUN-JUL	360	805	1110	49%	1410	1850	2270
	JUN-SEP	580	1080	1410	52%	1750	2250	2710
Clark Fork R at St. Regis ¹	JUN-JUL	370	900	1140	71%	1380	1910	1610
	JUN-SEP	570	1160	1420	73%	1690	2270	1950
Clark Fork R bl Cabinet Gorge Dam ²	JUN-JUL	1400	2330	2950	62%	3580	4500	4790
	JUN-SEP	1910	2950	3660	64%	4370	5410	5750
Nevada Ck nr Helmville	JUN-JUL	0.1	2.5	5	96%	7.5	11.2	5.2
	JUN-SEP	0.09	3.9	6.6	96%	9.3	13.3	6.9
Mission Ck nr St. Ignatius	JUN-JUL	10.5	13.2	15	83%	16.8	19.5	18.1
	JUN-SEP	13.2	16.7	19	83%	21	25	23
St. Mary R at Intl Boundary ²	JUN-JUL	82	140	179	69%	220	275	260
	JUN-SEP	122	188	235	71%	280	345	330
Flint Ck bl Boulder Ck	JUN-JUL	11.2	21	27	93%	33	43	29
	JUN-SEP	21	32	40	91%	48	59	44
SF Jocko R nr Arlee	JUN-JUL	6.1	9.7	12.2	64%	14.7	18.3	19.2
	JUN-SEP	8.9	12.9	15.6	68%	18.3	22	23
Two Medicine R bl SF nr Browning ²	JUN-JUL	15.7	40	56	74%	73	97	76
	JUN-SEP	22	48	65	75%	83	108	87
Georgetown Lake Inflow ²	JUN-JUL	3	5.5	7.1	115%	8.8	11.3	6.2

	JUN-SEP	4.2	7.3	9.4	113%	11.5	14.6	8.3
Yellowstone R at Yellowstone Lake Outlet	JUN-JUL	285	355	400	85%	450	515	470
	JUN-SEP	415	495	550	81%	610	690	680
Clark Fk at Goldcreek	JUN-JUL	21	64	93		122	165	
	JUN-SEP	36	87	122		157	210	
Cooney Reservoir Inflow	JUN-JUL	6.6	13	17.3	79%	22	28	22
	JUN-SEP	13	21	26	81%	31	38	32
Tobacco R nr Eureka	JUN-JUL	2	10.7	19.8	33%	29	42	60
	JUN-SEP	1.33	17.2	28	37%	39	55	75
Boulder R at Big Timber	JUN-JUL	116	147	169	79%	190	220	215
	JUN-SEP	121	159	185	77%	210	250	240
Boulder R nr Boulder	JUN-JUL	17.2	27	33	118%	39	49	28
	JUN-SEP	19.6	31	38	127%	45	56	30
Missouri R at Toston ²	JUN-JUL	510	720	860	92%	1000	1210	935
	JUN-SEP	635	895	1070	95%	1250	1510	1130
Gallatin R nr Gallatin Gateway	JUN-JUL	148	185	210	86%	235	270	245
	JUN-SEP	194	240	270	89%	300	345	305
Mystic Lake Inflow ²	JUN-JUL	33	37	40	83%	43	47	48
	JUN-SEP	43	49	53	82%	57	63	65
South Crow Ck nr Ronan	JUN-JUL	3.9	5.3	6.3	89%	7.3	8.7	7.1
	JUN-SEP	4.6	6.3	7.5	88%	8.7	10.4	8.5
Willow Ck Reservoir Inflow ²	JUN-JUL	1	3.9	6.9	68%	9.9	14.4	10.2
Beaverhead R at Barretts ²	JUN-JUL	12.2	34	49	204%	64	86	24
	JUN-SEP	27	54	72	189%	90	117	38
Dupuyer Ck nr Valier	JUN-JUL	0.29	1.97	3.5	80%	5	7.3	4.4
	JUN-SEP	0.3	2.5	4.1	79%	5.7	8.1	5.2
Yellowstone R at Corwin Springs	JUN-JUL	650	775	860	78%	945	1070	1100
	JUN-SEP	825	985	1090	77%	1200	1350	1420
Ennis Lake Inflow ²	JUN-JUL	245	300	335	108%	370	425	310
	JUN-SEP	350	415	460	101%	510	575	455
Sf Flathead R nr Hungry Horse	JUN-JUL	52	169	250	46%	325	445	545
	JUN-SEP	86	210	295	49%	385	510	605
Marias R nr Shelby ²	JUN-JUL	1	42	85	56%	128	191	153
	JUN-SEP	1	39	89	66%	138	210	135
Prospect Ck at Thompson Falls	JUN-JUL	-4	4	9.4	32%	14.9	23	29
	JUN-SEP	1.06	9.4	15.1	42%	21	29	36
St. Mary R nr Babb ²	JUN-JUL	89	128	155	67%	182	220	230
	JUN-SEP	119	166	198	71%	230	275	280
Mill Ck ab Bassoo ck nr Niarada	JUN-JUL	0.44	0.7	0.92	88%	1.17	1.58	1.05
	JUN-SEP	0.67	0.98	1.22	88%	1.49	1.94	1.38
Clark Fork R bl Missoula	JUN-JUL	395	685	885	70%	1080	1380	1270

	JUN-SEP	555	880	1100	71%	1320	1640	1540
Jefferson R nr Three Forks ²	JUN-JUL	181	290	365	124%	440	550	295
	JUN-SEP	184	315	405	127%	495	625	320
Musselshell R nr Roundup ²	JUN-JUL	1	8.2	32	107%	56	91	30
	JUN-SEP	0.3	0.89	28	112%	55	95	25
Hyalite Reservoir Inflow ²	JUN-JUL	8.3	10.1	11.4	84%	12.7	14.5	13.6
	JUN-SEP	10	12.4	14	88%	15.6	18	15.9
Bitterroot R Nr Darby ²	JUN-JUL	56	103	135	63%	167	215	215
	JUN-SEP	77	128	162	66%	196	245	245
Clark Fork R nr Plains ^{1,2}	JUN-JUL	715	1990	2570	59%	3150	4420	4360
	JUN-SEP	1110	2530	3180	59%	3830	5250	5360
Flathead Lake Inflow ^{1,2}	JUN-JUL	255	1000	1340	49%	1680	2430	2750
	JUN-SEP	375	1230	1620	50%	2010	2870	3210
Ruby R Reservoir Inflow	JUN-JUL	31	40	47	134%	53	62	35
	JUN-SEP	44	55	62	127%	69	80	49

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

Western Montana	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Rock Ck nr Clinton	JUN-JUL	52	83	104	84%	125	156	124
	JUN-SEP	71	106	130	83%	154	189	157
Blackfoot R nr Bonner	JUN-JUL	86	184	250	75%	315	415	335
	JUN-SEP	132	240	310	75%	380	490	415
NF Flathead R nr Columbia Falls	JUN-JUL	93	235	335	45%	435	575	740
	JUN-SEP	177	340	450	51%	555	720	880
WF Bitterroot R Nr Conner ²	JUN-JUL	12.1	26	36	65%	45	59	55
	JUN-SEP	19.7	35	45	70%	55	70	64
Yaak R nr Troy	JUN-JUL	9.6	44	68	61%	92	126	112
	JUN-SEP	19.7	57	83	64%	109	146	130
Clark Fork R ab Missoula	JUN-JUL	199	370	490	75%	610	780	650
	JUN-SEP	295	490	620	77%	750	945	805
Hungry Horse Reservoir Inflow ^{1,2}	JUN-JUL	40	275	380	46%	485	720	830
	JUN-SEP	75	335	455	50%	575	835	915
MF Rock Ck nr Philipsburg	JUN-JUL	15	22	26	79%	31	37	33
	JUN-SEP	23	30	35	90%	41	48	39
Swan R nr Bigfork	JUN-JUL	122	154	175	64%	196	230	275
	JUN-SEP	156	194	220	64%	245	285	345
MF Flathead R nr West Glacier	JUN-JUL	99	260	365	51%	475	635	720
	JUN-SEP	162	340	460	56%	585	760	825

Bitterroot R nr Missoula								
	JUN-JUL	177	305	395	64%	485	615	620
	JUN-SEP	240	385	480	68%	575	715	710
Clark Fork R ab Milltown								
	JUN-JUL	85	177	240	91%	300	395	265
	JUN-SEP	130	240	310	86%	385	495	360
Libby Reservoir Inflow ^{1,2}								
	JUN-JUL	835	1640	2000	64%	2360	3160	3120
	JUN-SEP	1200	2090	2500	64%	2910	3800	3910
Flathead R at Columbia Falls ²								
	JUN-JUL	360	805	1110	49%	1410	1850	2270
	JUN-SEP	580	1080	1410	52%	1750	2250	2710
Clark Fork R at St. Regis ¹								
	JUN-JUL	370	900	1140	71%	1380	1910	1610
	JUN-SEP	570	1160	1420	73%	1690	2270	1950
Clark Fork R bl Cabinet Gorge Dam ²								
	JUN-JUL	1400	2330	2950	62%	3580	4500	4790
	JUN-SEP	1910	2950	3660	64%	4370	5410	5750
Nevada Ck nr Helmsville								
	JUN-JUL	0.1	2.5	5	96%	7.5	11.2	5.2
	JUN-SEP	0.09	3.9	6.6	96%	9.3	13.3	6.9
Mission Ck nr St. Ignatius								
	JUN-JUL	10.5	13.2	15	83%	16.8	19.5	18.1
	JUN-SEP	13.2	16.7	19	83%	21	25	23
Flint Ck bl Boulder Ck								
	JUN-JUL	11.2	21	27	93%	33	43	29
	JUN-SEP	21	32	40	91%	48	59	44
SF Jocko R nr Arlee								
	JUN-JUL	6.1	9.7	12.2	64%	14.7	18.3	19.2
	JUN-SEP	8.9	12.9	15.6	68%	18.3	22	23
Georgetown Lake Inflow ²								
	JUN-JUL	3	5.5	7.1	115%	8.8	11.3	6.2
	JUN-SEP	4.2	7.3	9.4	113%	11.5	14.6	8.3
Clark Fk at Goldcreek								
	JUN-JUL	21	64	93		122	165	
	JUN-SEP	36	87	122		157	210	
Tobacco R nr Eureka								
	JUN-JUL	2	10.7	19.8	33%	29	42	60
	JUN-SEP	1.33	17.2	28	37%	39	55	75
South Crow Ck nr Ronan								
	JUN-JUL	3.9	5.3	6.3	89%	7.3	8.7	7.1
	JUN-SEP	4.6	6.3	7.5	88%	8.7	10.4	8.5
Sf Flathead R nr Hungry Horse								
	JUN-JUL	52	169	250	46%	325	445	545
	JUN-SEP	86	210	295	49%	385	510	605
Prospect Ck at Thompson Falls								
	JUN-JUL	-4	4	9.4	32%	14.9	23	29
	JUN-SEP	1.06	9.4	15.1	42%	21	29	36
Mill Ck ab Bassoo ck nr Niarada								
	JUN-JUL	0.44	0.7	0.92	88%	1.17	1.58	1.05
	JUN-SEP	0.67	0.98	1.22	88%	1.49	1.94	1.38
Clark Fork R bl Missoula								
	JUN-JUL	395	685	885	70%	1080	1380	1270
	JUN-SEP	555	880	1100	71%	1320	1640	1540
Bitterroot R Nr Darby ²								
	JUN-JUL	56	103	135	63%	167	215	215
	JUN-SEP	77	128	162	66%	196	245	245
Clark Fork R nr Plains ^{1,2}								
	JUN-JUL	715	1990	2570	59%	3150	4420	4360
	JUN-SEP	1110	2530	3180	59%	3830	5250	5360
Flathead Lake Inflow ^{1,2}								
	JUN-JUL	255	1000	1340	49%	1680	2430	2750

JUN-SEP 375 1230 1620 50% 2010 2870 3210

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

Yellowstone	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Buffalo Bill Reservoir Inflow ²	JUN-JUL	270	330	375	82%	420	480	460
	JUN-SEP	310	380	430	83%	480	550	520
Dinwoody Ck nr Burris	JUN-JUL	36	42	46	79%	51	57	58
	JUN-SEP	59	66	71	85%	76	84	84
Shields R nr Livingston	JUN-JUL	7.1	31	47	84%	63	86	56
	JUN-SEP	10.6	37	56	88%	74	101	64
Bighorn R nr St. Xavier ²	JUN-JUL	460	670	815	78%	960	1170	1050
	JUN-SEP	400	655	830	75%	1000	1260	1110
Rock Ck nr Buffalo	JUN-JUL	5.2	8.7	11	92%	13.3	16.8	11.9
	JUN-SEP	8.6	12.1	14.5	90%	16.9	20	16.1
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	230	275	305	82%	335	380	370
	JUN-SEP	245	300	335	84%	370	425	400
Big Goose Ck nr Sheridan	JUN-JUL	13.3	19.7	24	75%	28	35	32
	JUN-SEP	21	27	32	78%	36	43	41
Stillwater R nr Absarokee ²	JUN-JUL	196	245	275	82%	305	355	335
	JUN-SEP	235	295	340	81%	380	440	420
Little Popo Agie R nr Lander	JUN-JUL	28	32	35	125%	38	42	28
	JUN-SEP	34	38	41	124%	44	48	33
Shell Ck nr Shell	JUN-JUL	13.5	19.8	24	71%	28	34	34
	JUN-SEP	23	30	35	74%	40	47	47
Yellowstone R at Livingston	JUN-JUL	740	895	1000	78%	1100	1260	1280
	JUN-SEP	935	1130	1260	80%	1390	1580	1580
Tongue River Reservoir Inflow ²	JUN-JUL	41	68	86	70%	104	131	123
	JUN-SEP	51	83	105	73%	127	159	144
Greybull R at Meeteetse	JUN-JUL	55	79	95	93%	111	135	102
	JUN-SEP	90	119	138	90%	157	186	153
Bull Lake Ck nr Lenore ²	JUN-JUL	69	81	89	86%	97	109	103
	JUN-SEP	89	105	116	89%	127	143	130
Little Wind R nr Riverton	JUN-JUL	176	215	240	133%	265	300	181
	JUN-SEP	196	240	265	129%	295	335	205
Little Goose Ck nr Big Horn	JUN-JUL	9.8	12.6	14.6	75%	16.6	19.4	19.4
	JUN-SEP	15.8	19.5	22	76%	25	28	29
SF Shoshone R ab Buffalo Bill Reservoir	JUN-JUL	78	105	123	81%	141	168	151
	JUN-SEP	76	106	126	79%	146	176	160

Yellowstone R at Billings ²								
	JUN-JUL	1180	1510	1740	76%	1970	2300	2290
	JUN-SEP	1380	1810	2100	73%	2390	2820	2860
Wind R at Riverton ²								
	JUN-JUL	183	245	290	78%	335	395	370
	JUN-SEP	210	290	345	82%	400	480	420
Powder R nr Locate								
	JUN-JUL	13	64	99	100%	134	185	99
	JUN-SEP	22	78	117	97%	156	210	121
Boysen Reservoir Inflow ²								
	JUN-JUL	300	390	455	100%	520	610	455
	JUN-SEP	270	385	465	96%	545	660	485
NF Powder R nr Hazelton								
	JUN-JUL	1.65	3	3.9	89%	4.8	6.1	4.4
	JUN-SEP	2.2	3.6	4.6	87%	5.6	7	5.3
Yellowstone R at Yellowstone Lake Outlet								
	JUN-JUL	285	355	400	85%	450	515	470
	JUN-SEP	415	495	550	81%	610	690	680
Wind R Ab Bull Lake Ck ²								
	JUN-JUL	174	225	260	74%	295	345	350
	JUN-SEP	155	225	270	75%	315	385	360
Cooney Reservoir Inflow								
	JUN-JUL	6.6	13	17.3	79%	22	28	22
	JUN-SEP	13	21	26	81%	31	38	32
MF Powder R nr Barnum								
	JUN-JUL	-0.44	2.1	3.8	97%	5.5	8	3.9
	JUN-SEP	0.17	2.7	4.5	92%	6.3	8.8	4.9
Boulder R at Big Timber								
	JUN-JUL	116	147	169	79%	190	220	215
	JUN-SEP	121	159	185	77%	210	250	240
Mystic Lake Inflow ²								
	JUN-JUL	33	37	40	83%	43	47	48
	JUN-SEP	43	49	53	82%	57	63	65
Yellowstone R at Corwin Springs								
	JUN-JUL	650	775	860	78%	945	1070	1100
	JUN-SEP	825	985	1090	77%	1200	1350	1420
Tongue R nr Dayton ²								
	JUN-JUL	23	31	36	75%	42	50	48
	JUN-SEP	31	41	47	76%	53	63	62
Little Bighorn R nr Hardin								
	JUN-JUL	14.9	32	43	78%	54	71	55
	JUN-SEP	21	40	54	79%	68	87	68
Bighorn R at Kane ²								
	JUN-JUL	295	450	555	82%	660	815	675
	JUN-SEP	260	445	570	77%	695	880	740
SF Shoshone R nr Valley								
	JUN-JUL	96	119	135	84%	151	174	160
	JUN-SEP	117	144	162	84%	180	205	194
NF Shoshone R at Wapiti								
	JUN-JUL	192	230	255	81%	280	320	315
	JUN-SEP	230	270	300	81%	330	370	370
Piney Ck at Kearny								
	JUN-JUL	10.9	18.7	24	92%	29	37	26
	JUN-SEP	13.2	22	28	90%	34	43	31
Powder R at Moorhead								
	JUN-JUL	16.2	58	87	99%	116	158	88
	JUN-SEP	28	73	104	98%	135	180	106

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