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Streamflow Forecast Summary: March 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								
	APR-JUL	890	1050	1160	94%	1270	1430	1230
	APR-SEP	940	1110	1220	95%	1340	1510	1290
NF Flathead R nr Columbia Falls								
	APR-JUL	990	1200	1340	87%	1480	1690	1540
	APR-SEP	1100	1320	1480	87%	1630	1850	1700
Swan R nr Bigfork								
	APR-JUL	445	520	575	110%	630	705	525
	APR-SEP	500	590	650	111%	710	795	585
Mission Ck nr St. Ignatius								
	APR-JUL	23	26	29	112%	32	35	26
	APR-SEP	27	32	35	113%	38	42	31
MF Flathead R nr West Glacier								
	APR-JUL	985	1200	1350	92%	1500	1720	1470
	APR-SEP	1070	1300	1460	90%	1620	1850	1620
SF Jocko R nr Arlee								
	APR-JUL	30	37	42	120%	47	54	35
	APR-SEP	33	41	46	118%	51	59	39
Mill Ck ab Bassoo ck nr Niarada								
	APR-JUL	2.3	3.5	4.5	96%	5.7	7.5	4.7
	APR-SEP	2.6	3.9	4.9	100%	6.1	8	4.9
Hungry Horse Reservoir Inflow ^{1,2}								
	APR-JUL	1250	1610	1780	96%	1940	2300	1850
	APR-SEP	1320	1700	1880	96%	2050	2430	1960
South Crow Ck nr Ronan								
	APR-JUL	9.2	11.1	12.4	122%	13.7	15.6	10.2
	APR-SEP	10.5	12.6	14.1	123%	15.5	17.7	11.5
Flathead R at Columbia Falls ²								
	APR-JUL	3470	4090	4510	93%	4940	5560	4870
	APR-SEP	3760	4430	4880	90%	5340	6000	5400
Flathead Lake Inflow ^{1,2}								
	APR-JUL	3850	5010	5530	98%	6050	7210	5670
	APR-SEP	4120	5390	5970	95%	6550	7820	6310

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

Bitterroot	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Bitterroot R Nr Darby ²								
	APR-JUL	215	305	365	78%	425	515	465
	APR-SEP	235	330	395	79%	455	550	500
WF Bitterroot R Nr Conner ²								
	APR-JUL	54	83	104	80%	124	154	130
	APR-SEP	61	92	113	82%	134	165	138
Bitterroot R nr Missoula								
	APR-JUL	565	770	910	74%	1050	1250	1230
	APR-SEP	635	850	995	74%	1140	1360	1340

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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	APR-JUL	1680	2570	2980	90%	3390	4280	3320
	APR-SEP	1910	2860	3290	90%	3730	4680	3670
Clark Fork R bl Cabinet Gorge Dam ²	APR-JUL	6940	8530	9610	96%	10700	12300	9980
	APR-SEP	7530	9270	10400	95%	11600	13400	10900
Prospect Ck at Thompson Falls	APR-JUL	44	64	77	81%	91	111	95
	APR-SEP	50	70	84	82%	98	119	103
Clark Fork R bl Missoula	APR-JUL	1420	1930	2270	89%	2610	3120	2550
	APR-SEP	1600	2140	2510	90%	2870	3410	2780
Clark Fork R ab Missoula	APR-JUL	830	1150	1360	111%	1570	1890	1230
	APR-SEP	945	1280	1510	110%	1750	2090	1370
Clark Fork R nr Plains ^{1,2}	APR-JUL	5540	7690	8660	97%	9640	11800	8890
	APR-SEP	6050	8390	9450	95%	10500	12800	9920

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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	APR-JUL	139	199	240	98%	280	340	245
	APR-SEP	162	225	270	98%	315	380	275
Blackfoot R nr Bonner	APR-JUL	540	695	800	109%	905	1060	735
	APR-SEP	595	760	870	109%	980	1140	800
Nevada Ck nr Helmville	APR-JUL	6	12.9	17.6	122%	22	29	14.4
	APR-SEP	7	14.2	19.1	123%	24	31	15.5
Flint Ck bl Boulder Ck	APR-JUL	29	44	54	102%	64	79	53
	APR-SEP	38	56	67	100%	79	97	67
Georgetown Lake Inflow ²	APR-JUL	6.6	10.6	13.3	104%	16.1	20	12.8
	APR-SEP	7.5	12.4	15.7	106%	19	24	14.8
Clark Fk at Goldcreek	APR-JUL	112	181	230	122%	275	345	188
	APR-SEP	133	210	260	121%	315	390	215
Clark Fork R ab Milltown	APR-JUL	280	450	560	104%	675	845	540
	APR-SEP	335	520	645	100%	770	955	645
MF Rock Ck nr Philipsburg	APR-JUL	39	51	59	104%	67	79	57
	APR-SEP	45	57	66	106%	74	87	62

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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								
	APR-JUL	58	82	99	77%	115	140	129
	APR-SEP	65	92	110	77%	128	154	142
Libby Reservoir Inflow ^{1,2}								
	APR-JUL	3790	4800	5260	96%	5720	6730	5460
	APR-SEP	4590	5630	6100	97%	6570	7610	6290
Yaak R nr Troy								
	APR-JUL	205	285	340	84%	400	480	405
	APR-SEP	215	300	360	85%	415	500	425

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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								
	APR-JUL	4150	5070	5690	114%	6310	7230	5000
	APR-SEP	4540	5610	6330	113%	7050	8120	5580
Yellowstone R at Miles City ²								
	APR-JUL	4020	4880	5470	109%	6060	6920	5040
	APR-SEP	4490	5490	6170	109%	6850	7850	5670

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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								
	APR-JUL	127	210	270	120%	330	415	225
	APR-SEP	139	230	290	121%	350	440	240
NF Powder R nr Hazelton								
	APR-JUL	8.1	9.9	11.2	109%	12.5	14.3	10.3
	APR-SEP	8.8	10.7	12	108%	13.3	15.2	11.1
MF Powder R nr Barnum								
	APR-JUL	10.9	15.8	19.1	122%	22	27	15.7
	APR-SEP	11.5	16.6	20	120%	23	28	16.6
Powder R at Moorhead								
	APR-JUL	117	193	245	128%	295	375	191
	APR-SEP	132	210	265	129%	320	400	205
Piney Ck at Kearny								
	APR-JUL	26	42	53	106%	64	80	50
	APR-SEP	29	46	57	110%	68	85	52
Rock Ck nr Buffalo								
	APR-JUL	13.1	19	23	110%	27	33	21
	APR-SEP	16.7	23	27	108%	31	37	25

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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								
	APR-JUL	20	28	33	103%	38	46	32
	APR-SEP	27	35	41	98%	47	55	42
Tongue R nr Dayton ²								
	APR-JUL	61	80	92	105%	104	123	88
	APR-SEP	71	91	104	102%	117	137	102
Big Goose Ck nr Sheridan								
	APR-JUL	34	46	54	104%	62	74	52
	APR-SEP	41	54	62	102%	70	83	61
Tongue River Reservoir Inflow ²								
	APR-JUL	132	194	235	107%	280	340	220
	APR-SEP	150	215	260	104%	305	370	250

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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								
	APR-JUL	465	585	670	100%	755	875	670
	APR-SEP	500	635	725	99%	815	950	730
Wind R at Riverton ²								
	APR-JUL	340	445	515	104%	585	690	495
	APR-SEP	400	515	595	106%	675	790	560
Dinwoody Ck nr Burris								
	APR-JUL	54	62	68	94%	74	82	72
	APR-SEP	78	88	94	97%	100	110	97
Little Popo Agie R nr Lander								
	APR-JUL	34	47	56	133%	65	78	42
	APR-SEP	39	53	62	129%	71	85	48
Boysen Reservoir Inflow ²								
	APR-JUL	400	630	785	108%	940	1170	730
	APR-SEP	445	685	850	108%	1010	1260	785
Little Bighorn R nr Hardin								
	APR-JUL	61	92	114	112%	136	167	102
	APR-SEP	69	104	128	106%	152	187	121
Shell Ck nr Shell								
	APR-JUL	39	49	56	95%	63	73	59
	APR-SEP	49	60	68	96%	76	87	71
Bighorn R at Kane ²								
	APR-JUL	490	835	1070	107%	1300	1650	1000
	APR-SEP	540	910	1160	112%	1410	1780	1040
Wind R Ab Bull Lake Ck ²								
	APR-JUL	340	430	495	103%	560	650	480
	APR-SEP	360	460	530	113%	600	700	470
Bighorn R nr St. Xavier ²								
	APR-JUL	885	1310	1600	99%	1890	2320	1610
	APR-SEP	915	1380	1700	99%	2020	2490	1720

Greybull R at Meeteetse								
	APR-JUL	82	121	148	105%	175	215	141
	APR-SEP	125	169	199	100%	230	275	199
SF Shoshone R nr Valley								
	APR-JUL	153	187	210	93%	235	265	225
	APR-SEP	174	215	240	92%	265	305	260
NF Shoshone R at Wapiti								
	APR-JUL	345	420	470	104%	520	595	450
	APR-SEP	385	465	520	101%	575	655	515
Bull Lake Ck nr Lenore ²								
	APR-JUL	106	130	146	104%	162	186	141
	APR-SEP	131	158	176	105%	194	220	168
Little Wind R nr Riverton								
	APR-JUL	186	300	375	134%	450	565	280
	APR-SEP	215	330	410	137%	490	605	300
SF Shoshone R ab Buffalo Bill Reservoir								
	APR-JUL	109	161	197	88%	235	285	225
	APR-SEP	105	162	200	89%	240	295	225

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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								
	APR-JUL	2600	3170	3560	112%	3950	4520	3180
	APR-SEP	2930	3590	4040	107%	4490	5150	3760
Yellowstone R at Yellowstone Lake Outlet								
	APR-JUL	480	565	625	106%	685	770	590
	APR-SEP	605	725	805	104%	885	1010	775
Yellowstone R at Livingston								
	APR-JUL	1520	1770	1940	102%	2110	2360	1900
	APR-SEP	1760	2060	2270	103%	2480	2780	2200
Shields R nr Livingston								
	APR-JUL	72	117	147	116%	177	220	127
	APR-SEP	81	126	157	114%	188	235	138
Cooney Reservoir Inflow								
	APR-JUL	10.7	22	30	83%	38	49	36
	APR-SEP	22	35	44	94%	53	66	47
Boulder R at Big Timber								
	APR-JUL	240	290	320	110%	350	400	290
	APR-SEP	255	310	345	111%	380	435	310
Clarks Fk Yellowstone R nr Belfry								
	APR-JUL	430	505	560	105%	615	690	535
	APR-SEP	455	540	600	106%	660	745	565
Mystic Lake Inflow ²								
	APR-JUL	51	57	61	105%	65	71	58
	APR-SEP	64	72	77	103%	82	90	75
Stillwater R nr Absarokee ²								
	APR-JUL	325	400	455	105%	510	585	435
	APR-SEP	400	490	550	104%	610	700	530
Yellowstone R at Corwin Springs								
	APR-JUL	1340	1540	1680	102%	1820	2020	1650
	APR-SEP	1540	1790	1960	103%	2130	2380	1900

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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	APR-JUL	196	295	365	111%	435	535	330
	APR-SEP	191	300	370	109%	440	550	340
Badger Ck nr Browning	APR-JUL	42	62	75	106%	88	108	71
	APR-SEP	47	69	84	104%	99	121	81
Teton R nr Dutton ²	APR-JUL	7.1	21	34	121%	51	81	28
	APR-SEP	7.8	23	37	128%	55	88	29
Gibson Reservoir Inflow ²	APR-JUL	250	315	360	96%	405	470	375
	APR-SEP	275	345	395	95%	445	515	415
Two Medicine R bl SF nr Browning ²	APR-JUL	124	163	190	99%	215	255	191
	APR-SEP	132	173	200	103%	225	270	195
Swift Reservoir Inflow	APR-JUL	33	46	54	108%	62	75	50
	APR-SEP	38	52	62	107%	72	86	58
Dupuyer Ck nr Valier	APR-JUL	3.4	8.4	11.7	118%	15	20	9.9
	APR-SEP	3.7	8.9	12.4	106%	15.9	21	11.7

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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	APR-JUL	61	91	112	104%	133	163	108
	APR-SEP	66	100	122	107%	144	178	114
Musselshell R at Harlowton ²	APR-JUL	17.1	49	71	127%	93	125	56
	APR-SEP	16.9	50	73	130%	96	129	56
Musselshell R nr Roundup ²	APR-JUL	1	41	83	136%	125	187	61
	APR-SEP	1	41	84	153%	127	191	55

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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	APR-JUL	2060	2770	3250	106%	3730	4440	3060
	APR-SEP	2610	3430	3990	114%	4550	5370	3500
Missouri R bl Fort Peck Dam ²	APR-JUL	2240	3050	3600	118%	4150	4960	3060

Lake Sakakawea Inflow ²	APR-SEP	2580	3590	4280	129%	4970	5980	3320
	APR-JUL	6820	8580	9770	108%	11000	12700	9080
Missouri R nr Landusky ²	APR-SEP	7840	9900	11300	112%	12700	14800	10100
	APR-JUL	2180	2960	3480	110%	4000	4780	3150
Missouri R at Fort Benton ²	APR-SEP	2770	3670	4290	118%	4910	5810	3630
	APR-JUL	1830	2450	2870	110%	3290	3910	2620
	APR-SEP	2380	3100	3600	118%	4100	4820	3060

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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	APR-JUL	1290	1690	1960	110%	2230	2630	1780
	APR-SEP	1670	2110	2410	122%	2710	3150	1970

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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	APR-JUL	17.8	22	24	122%	26	30	19.6
	APR-SEP	20	24	27	123%	30	34	22
Gallatin R at Logan	APR-JUL	315	415	480	113%	545	645	425
	APR-SEP	365	475	545	112%	615	725	485
Gallatin R nr Gallatin Gateway	APR-JUL	335	390	430	106%	470	525	405
	APR-SEP	385	455	500	108%	545	615	465

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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	APR-JUL	580	670	730	119%	790	880	615
	APR-SEP	720	825	895	119%	965	1070	750
Hebgen Lake Inflow ²	APR-JUL	310	360	395	113%	430	480	350
	APR-SEP	395	455	495	109%	535	595	455

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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	APR-JUL	6.6	13.3	17.8	115%	22	29	15.5
Big Hole R at Wisdom	APR-JUL	1	41	71	80%	101	146	89
	APR-SEP	1	44	76	83%	108	156	92
Lima Reservoir Inflow ²	APR-JUL	46	68	82	130%	96	118	63
	APR-SEP	50	73	89	122%	105	128	73
Boulder R nr Boulder	APR-JUL	43	62	75	114%	88	107	66
	APR-SEP	45	66	80	116%	94	115	69
Jefferson R nr Three Forks ²	APR-JUL	340	595	765	106%	935	1190	720
	APR-SEP	500	755	930	132%	1100	1360	705
Big Hole R nr Melrose	APR-JUL	240	380	475	90%	570	710	525
	APR-SEP	265	415	515	90%	615	765	570
Jefferson R nr Twin Bridges ²	APR-JUL	205	435	595	89%	755	985	665
	APR-SEP	215	460	625	93%	790	1030	675
Beaverhead R at Barretts ²	APR-JUL	40	81	109	116%	137	178	94
	APR-SEP	50	95	125	116%	155	200	108
Clark Canyon Inflow ²	APR-JUL	22	56	80	127%	104	138	63
	APR-SEP	27	65	90	129%	115	153	70
Ruby R Reservoir Inflow	APR-JUL	66	83	94	134%	105	122	70
	APR-SEP	79	98	111	132%	124	143	84

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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	APR-JUL	290	360	410	91%	460	530	450
	APR-SEP	345	420	475	93%	530	605	510
Lake Sherburne Inflow ²	APR-JUL	68	81	90	91%	99	112	99
	APR-SEP	79	93	103	89%	113	127	116
St. Mary R nr Babb ²	APR-JUL	265	315	350	91%	385	435	385
	APR-SEP	305	360	400	90%	440	495	445

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	APR-JUL	196	295	365	111%	435	535	330
	APR-SEP	191	300	370	109%	440	550	340
Badger Ck nr Browning	APR-JUL	42	62	75	106%	88	108	71
	APR-SEP	47	69	84	104%	99	121	81
Teton R nr Dutton ²	APR-JUL	7.1	21	34	121%	51	81	28
	APR-SEP	7.8	23	37	128%	55	88	29
Gibson Reservoir Inflow ²	APR-JUL	250	315	360	96%	405	470	375
	APR-SEP	275	345	395	95%	445	515	415
Smith R bl Eagle Ck ²	APR-JUL	61	91	112	104%	133	163	108
	APR-SEP	66	100	122	107%	144	178	114
Missouri R nr Virgelle ²	APR-JUL	2060	2770	3250	106%	3730	4440	3060
	APR-SEP	2610	3430	3990	114%	4550	5370	3500
Two Medicine R bl SF nr Browning ²	APR-JUL	124	163	190	99%	215	255	191
	APR-SEP	132	173	200	103%	225	270	195
Swift Reservoir Inflow	APR-JUL	33	46	54	108%	62	75	50
	APR-SEP	38	52	62	107%	72	86	58
Musselshell R at Harlowton ²	APR-JUL	17.1	49	71	127%	93	125	56
	APR-SEP	16.9	50	73	130%	96	129	56
Missouri R bl Fort Peck Dam ²	APR-JUL	2240	3050	3600	118%	4150	4960	3060
	APR-SEP	2580	3590	4280	129%	4970	5980	3320
Lake Sakakawea Inflow ²	APR-JUL	6820	8580	9770	108%	11000	12700	9080
	APR-SEP	7840	9900	11300	112%	12700	14800	10100
Missouri R nr Landusky ²	APR-JUL	2180	2960	3480	110%	4000	4780	3150
	APR-SEP	2770	3670	4290	118%	4910	5810	3630
Missouri R at Toston ²	APR-JUL	1290	1690	1960	110%	2230	2630	1780
	APR-SEP	1670	2110	2410	122%	2710	3150	1970
Musselshell R nr Roundup ²	APR-JUL	1	41	83	136%	125	187	61
	APR-SEP	1	41	84	153%	127	191	55
Dupuyer Ck nr Valier	APR-JUL	3.4	8.4	11.7	118%	15	20	9.9
	APR-SEP	3.7	8.9	12.4	106%	15.9	21	11.7
Missouri R at Fort Benton ²	APR-JUL	1830	2450	2870	110%	3290	3910	2620
	APR-SEP	2380	3100	3600	118%	4100	4820	3060

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	APR-JUL	42	62	75	106%	88	108	71
	APR-SEP	47	69	84	104%	99	121	81
Swift Reservoir Inflow	APR-JUL	33	46	54	108%	62	75	50
	APR-SEP	38	52	62	107%	72	86	58
Gibson Reservoir Inflow ²	APR-JUL	250	315	360	96%	405	470	375
	APR-SEP	275	345	395	95%	445	515	415
Tongue River Reservoir Inflow ²	APR-JUL	132	194	235	107%	280	340	220
	APR-SEP	150	215	260	104%	305	370	250
Musselshell R at Harlowton ²	APR-JUL	17.1	49	71	127%	93	125	56
	APR-SEP	16.9	50	73	130%	96	129	56
Greybull R at Meeteetse	APR-JUL	82	121	148	105%	175	215	141
	APR-SEP	125	169	199	100%	230	275	199
Little Wind R nr Riverton	APR-JUL	186	300	375	134%	450	565	280
	APR-SEP	215	330	410	137%	490	605	300
Clark Fork R ab Milltown	APR-JUL	280	450	560	104%	675	845	540
	APR-SEP	335	520	645	100%	770	955	645
NF Powder R nr Hazelton	APR-JUL	8.1	9.9	11.2	109%	12.5	14.3	10.3
	APR-SEP	8.8	10.7	12	108%	13.3	15.2	11.1
St. Mary R at Intl Boundary ²	APR-JUL	290	360	410	91%	460	530	450
	APR-SEP	345	420	475	93%	530	605	510
Georgetown Lake Inflow ²	APR-JUL	6.6	10.6	13.3	104%	16.1	20	12.8
	APR-SEP	7.5	12.4	15.7	106%	19	24	14.8
Lake Sakakawea Inflow ²	APR-JUL	6820	8580	9770	108%	11000	12700	9080
	APR-SEP	7840	9900	11300	112%	12700	14800	10100
Mystic Lake Inflow ²	APR-JUL	51	57	61	105%	65	71	58
	APR-SEP	64	72	77	103%	82	90	75
Missouri R at Fort Benton ²	APR-JUL	1830	2450	2870	110%	3290	3910	2620
	APR-SEP	2380	3100	3600	118%	4100	4820	3060
Willow Ck Reservoir Inflow ²	APR-JUL	6.6	13.3	17.8	115%	22	29	15.5
Yellowstone R nr Sidney ²	APR-JUL	4150	5070	5690	114%	6310	7230	5000
	APR-SEP	4540	5610	6330	113%	7050	8120	5580
St. Mary R nr Babb ²	APR-JUL	265	315	350	91%	385	435	385
	APR-SEP	305	360	400	90%	440	495	445
Yellowstone R at Miles City ²	APR-JUL	4020	4880	5470	109%	6060	6920	5040
	APR-SEP	4490	5490	6170	109%	6850	7850	5670
NF Shoshone R at Wapiti	APR-JUL	345	420	470	104%	520	595	450
	APR-SEP	385	465	520	101%	575	655	515
Bitterroot R Nr Darby ²	APR-JUL	215	305	365	78%	425	515	465
	APR-SEP	235	330	395	79%	455	550	500

Clark Fork R nr Plains ^{1,2}								
	APR-JUL	5540	7690	8660	97%	9640	11800	8890
	APR-SEP	6050	8390	9450	95%	10500	12800	9920
Flathead Lake Inflow ^{1,2}								
	APR-JUL	3850	5010	5530	98%	6050	7210	5670
	APR-SEP	4120	5390	5970	95%	6550	7820	6310
Lake Sherburne Inflow ²								
	APR-JUL	68	81	90	91%	99	112	99
	APR-SEP	79	93	103	89%	113	127	116
Rock Ck nr Clinton								
	APR-JUL	139	199	240	98%	280	340	245
	APR-SEP	162	225	270	98%	315	380	275
NF Flathead R nr Columbia Falls								
	APR-JUL	990	1200	1340	87%	1480	1690	1540
	APR-SEP	1100	1320	1480	87%	1630	1850	1700
Blackfoot R nr Bonner								
	APR-JUL	540	695	800	109%	905	1060	735
	APR-SEP	595	760	870	109%	980	1140	800
Yaak R nr Troy								
	APR-JUL	205	285	340	84%	400	480	405
	APR-SEP	215	300	360	85%	415	500	425
Bighorn R nr St. Xavier ²								
	APR-JUL	885	1310	1600	99%	1890	2320	1610
	APR-SEP	915	1380	1700	99%	2020	2490	1720
Lima Reservoir Inflow ²								
	APR-JUL	46	68	82	130%	96	118	63
	APR-SEP	50	73	89	122%	105	128	73
Clark Fork R ab Missoula								
	APR-JUL	830	1150	1360	111%	1570	1890	1230
	APR-SEP	945	1280	1510	110%	1750	2090	1370
Gallatin R at Logan								
	APR-JUL	315	415	480	113%	545	645	425
	APR-SEP	365	475	545	112%	615	725	485
Swan R nr Bigfork								
	APR-JUL	445	520	575	110%	630	705	525
	APR-SEP	500	590	650	111%	710	795	585
Little Popo Agie R nr Lander								
	APR-JUL	34	47	56	133%	65	78	42
	APR-SEP	39	53	62	129%	71	85	48
Teton R nr Dutton ²								
	APR-JUL	7.1	21	34	121%	51	81	28
	APR-SEP	7.8	23	37	128%	55	88	29
Yellowstone R at Livingston								
	APR-JUL	1520	1770	1940	102%	2110	2360	1900
	APR-SEP	1760	2060	2270	103%	2480	2780	2200
Missouri R bl Fort Peck Dam ²								
	APR-JUL	2240	3050	3600	118%	4150	4960	3060
	APR-SEP	2580	3590	4280	129%	4970	5980	3320
Bitterroot R nr Missoula								
	APR-JUL	565	770	910	74%	1050	1250	1230
	APR-SEP	635	850	995	74%	1140	1360	1340
Little Goose Ck nr Big Horn								
	APR-JUL	20	28	33	103%	38	46	32
	APR-SEP	27	35	41	98%	47	55	42
Wind R at Riverton ²								
	APR-JUL	340	445	515	104%	585	690	495
	APR-SEP	400	515	595	106%	675	790	560
Powder R nr Locate								
	APR-JUL	127	210	270	120%	330	415	225
	APR-SEP	139	230	290	121%	350	440	240
Mission Ck nr St. Ignatius								
	APR-JUL	23	26	29	112%	32	35	26

Cooney Reservoir Inflow	APR-SEP	27	32	35	113%	38	42	31
	APR-JUL	10.7	22	30	83%	38	49	36
Gallatin R nr Gallatin Gateway	APR-SEP	22	35	44	94%	53	66	47
	APR-JUL	335	390	430	106%	470	525	405
Yellowstone R at Corwin Springs	APR-SEP	385	455	500	108%	545	615	465
	APR-JUL	1340	1540	1680	102%	1820	2020	1650
Tongue R nr Dayton ²	APR-SEP	1540	1790	1960	103%	2130	2380	1900
	APR-JUL	61	80	92	105%	104	123	88
Ennis Lake Inflow ²	APR-SEP	71	91	104	102%	117	137	102
	APR-JUL	580	670	730	119%	790	880	615
Mill Ck ab Bassoo ck nr Niarada	APR-SEP	720	825	895	119%	965	1070	750
	APR-JUL	2.3	3.5	4.5	96%	5.7	7.5	4.7
Jefferson R nr Three Forks ²	APR-SEP	2.6	3.9	4.9	100%	6.1	8	4.9
	APR-JUL	340	595	765	106%	935	1190	720
Musselshell R nr Roundup ²	APR-SEP	500	755	930	132%	1100	1360	705
	APR-JUL	1	41	83	136%	125	187	61
Dupuyer Ck nr Valier	APR-SEP	1	41	84	153%	127	191	55
	APR-JUL	3.4	8.4	11.7	118%	15	20	9.9
Hyalite Reservoir Inflow ²	APR-SEP	3.7	8.9	12.4	106%	15.9	21	11.7
	APR-JUL	17.8	22	24	122%	26	30	19.6
Ruby R Reservoir Inflow	APR-SEP	20	24	27	123%	30	34	22
	APR-JUL	66	83	94	134%	105	122	70
Buffalo Bill Reservoir Inflow ²	APR-SEP	79	98	111	132%	124	143	84
	APR-JUL	465	585	670	100%	755	875	670
WF Bitterroot R Nr Conner ²	APR-SEP	500	635	725	99%	815	950	730
	APR-JUL	54	83	104	80%	124	154	130
Dinwoody Ck nr Burris	APR-SEP	61	92	113	82%	134	165	138
	APR-JUL	54	62	68	94%	74	82	72
Big Hole R at Wisdom	APR-SEP	78	88	94	97%	100	110	97
	APR-JUL	1	41	71	80%	101	146	89
Hungry Horse Reservoir Inflow ^{1,2}	APR-SEP	1	44	76	83%	108	156	92
	APR-JUL	1250	1610	1780	96%	1940	2300	1850
Jefferson R nr Twin Bridges ²	APR-SEP	1320	1700	1880	96%	2050	2430	1960
	APR-JUL	205	435	595	89%	755	985	665
Hebgen Lake Inflow ²	APR-SEP	215	460	625	93%	790	1030	675
	APR-JUL	310	360	395	113%	430	480	350
Stillwater R nr Absarokee ²	APR-SEP	395	455	495	109%	535	595	455
	APR-JUL	325	400	455	105%	510	585	435
Clark Canyon Inflow ²	APR-SEP	400	490	550	104%	610	700	530
	APR-JUL	22	56	80	127%	104	138	63
	APR-SEP	27	65	90	129%	115	153	70

MF Rock Ck nr Philipsburg								
	APR-JUL	39	51	59	104%	67	79	57
	APR-SEP	45	57	66	106%	74	87	62
Shell Ck nr Shell								
	APR-JUL	39	49	56	95%	63	73	59
	APR-SEP	49	60	68	96%	76	87	71
Big Hole R nr Melrose								
	APR-JUL	240	380	475	90%	570	710	525
	APR-SEP	265	415	515	90%	615	765	570
SF Shoshone R ab Buffalo Bill Reservoir								
	APR-JUL	109	161	197	88%	235	285	225
	APR-SEP	105	162	200	89%	240	295	225
Yellowstone R at Billings ²								
	APR-JUL	2600	3170	3560	112%	3950	4520	3180
	APR-SEP	2930	3590	4040	107%	4490	5150	3760
Clark Fork R bl Cabinet Gorge Dam ²								
	APR-JUL	6940	8530	9610	96%	10700	12300	9980
	APR-SEP	7530	9270	10400	95%	11600	13400	10900
Clark Fk at Goldcreek								
	APR-JUL	112	181	230	122%	275	345	188
	APR-SEP	133	210	260	121%	315	390	215
Tobacco R nr Eureka								
	APR-JUL	58	82	99	77%	115	140	129
	APR-SEP	65	92	110	77%	128	154	142
Boulder R at Big Timber								
	APR-JUL	240	290	320	110%	350	400	290
	APR-SEP	255	310	345	111%	380	435	310
Missouri R at Toston ²								
	APR-JUL	1290	1690	1960	110%	2230	2630	1780
	APR-SEP	1670	2110	2410	122%	2710	3150	1970
Marias R nr Shelby ²								
	APR-JUL	196	295	365	111%	435	535	330
	APR-SEP	191	300	370	109%	440	550	340
Bighorn R at Kane ²								
	APR-JUL	490	835	1070	107%	1300	1650	1000
	APR-SEP	540	910	1160	112%	1410	1780	1040
SF Shoshone R nr Valley								
	APR-JUL	153	187	210	93%	235	265	225
	APR-SEP	174	215	240	92%	265	305	260
Clark Fork R bl Missoula								
	APR-JUL	1420	1930	2270	89%	2610	3120	2550
	APR-SEP	1600	2140	2510	90%	2870	3410	2780
Missouri R nr Virgelle ²								
	APR-JUL	2060	2770	3250	106%	3730	4440	3060
	APR-SEP	2610	3430	3990	114%	4550	5370	3500
Shields R nr Livingston								
	APR-JUL	72	117	147	116%	177	220	127
	APR-SEP	81	126	157	114%	188	235	138
Rock Ck nr Buffalo								
	APR-JUL	13.1	19	23	110%	27	33	21
	APR-SEP	16.7	23	27	108%	31	37	25
Clarks Fk Yellowstone R nr Belfry								
	APR-JUL	430	505	560	105%	615	690	535
	APR-SEP	455	540	600	106%	660	745	565
Big Goose Ck nr Sheridan								
	APR-JUL	34	46	54	104%	62	74	52
	APR-SEP	41	54	62	102%	70	83	61
MF Flathead R nr West Glacier								
	APR-JUL	985	1200	1350	92%	1500	1720	1470
	APR-SEP	1070	1300	1460	90%	1620	1850	1620
Smith R bl Eagle Ck ²								
	APR-JUL	61	91	112	104%	133	163	108

Bull Lake Ck nr Lenore ²	APR-SEP	66	100	122	107%	144	178	114
	APR-JUL	106	130	146	104%	162	186	141
Libby Reservoir Inflow ^{1,2}	APR-SEP	131	158	176	105%	194	220	168
	APR-JUL	3790	4800	5260	96%	5720	6730	5460
Flathead R at Columbia Falls ²	APR-SEP	4590	5630	6100	97%	6570	7610	6290
	APR-JUL	3470	4090	4510	93%	4940	5560	4870
Clark Fork R at St. Regis ¹	APR-SEP	3760	4430	4880	90%	5340	6000	5400
	APR-JUL	1680	2570	2980	90%	3390	4280	3320
Boysen Reservoir Inflow ²	APR-SEP	1910	2860	3290	90%	3730	4680	3670
	APR-JUL	400	630	785	108%	940	1170	730
Nevada Ck nr Helmsville	APR-SEP	445	685	850	108%	1010	1260	785
	APR-JUL	6	12.9	17.6	122%	22	29	14.4
Flint Ck bl Boulder Ck	APR-SEP	7	14.2	19.1	123%	24	31	15.5
	APR-JUL	29	44	54	102%	64	79	53
Yellowstone R at Yellowstone Lake Outlet	APR-SEP	38	56	67	100%	79	97	67
	APR-JUL	480	565	625	106%	685	770	590
SF Jocko R nr Arlee	APR-SEP	605	725	805	104%	885	1010	775
	APR-JUL	30	37	42	120%	47	54	35
Two Medicine R bl SF nr Browning ²	APR-SEP	33	41	46	118%	51	59	39
	APR-JUL	124	163	190	99%	215	255	191
Wind R Ab Bull Lake Ck ²	APR-SEP	132	173	200	103%	225	270	195
	APR-JUL	340	430	495	103%	560	650	480
MF Powder R nr Barnum	APR-SEP	360	460	530	113%	600	700	470
	APR-JUL	10.9	15.8	19.1	122%	22	27	15.7
Missouri R nr Landusky ²	APR-SEP	11.5	16.6	20	120%	23	28	16.6
	APR-JUL	2180	2960	3480	110%	4000	4780	3150
Boulder R nr Boulder	APR-SEP	2770	3670	4290	118%	4910	5810	3630
	APR-JUL	43	62	75	114%	88	107	66
South Crow Ck nr Ronan	APR-SEP	45	66	80	116%	94	115	69
	APR-JUL	9.2	11.1	12.4	122%	13.7	15.6	10.2
Beaverhead R at Barretts ²	APR-SEP	10.5	12.6	14.1	123%	15.5	17.7	11.5
	APR-JUL	40	81	109	116%	137	178	94
Sf Flathead R nr Hungry Horse	APR-SEP	50	95	125	116%	155	200	108
	APR-JUL	890	1050	1160	94%	1270	1430	1230
Little Bighorn R nr Hardin	APR-SEP	940	1110	1220	95%	1340	1510	1290
	APR-JUL	61	92	114	112%	136	167	102
Prospect Ck at Thompson Falls	APR-SEP	69	104	128	106%	152	187	121
	APR-JUL	44	64	77	81%	91	111	95
Powder R at Moorhead	APR-SEP	50	70	84	82%	98	119	103
	APR-JUL	117	193	245	128%	295	375	191
Piney Ck at Kearny	APR-SEP	132	210	265	129%	320	400	205

APR-JUL	26	42	53	106%	64	80	50
APR-SEP	29	46	57	110%	68	85	52

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	APR-JUL	580	670	730	119%	790	880	615
	APR-SEP	720	825	895	119%	965	1070	750
Gallatin R at Logan	APR-JUL	315	415	480	113%	545	645	425
	APR-SEP	365	475	545	112%	615	725	485
Willow Ck Reservoir Inflow ²	APR-JUL	6.6	13.3	17.8	115%	22	29	15.5
Hyalite Reservoir Inflow ²	APR-JUL	17.8	22	24	122%	26	30	19.6
	APR-SEP	20	24	27	123%	30	34	22
Big Hole R at Wisdom	APR-JUL	1	41	71	80%	101	146	89
	APR-SEP	1	44	76	83%	108	156	92
Lima Reservoir Inflow ²	APR-JUL	46	68	82	130%	96	118	63
	APR-SEP	50	73	89	122%	105	128	73
Boulder R nr Boulder	APR-JUL	43	62	75	114%	88	107	66
	APR-SEP	45	66	80	116%	94	115	69
Jefferson R nr Three Forks ²	APR-JUL	340	595	765	106%	935	1190	720
	APR-SEP	500	755	930	132%	1100	1360	705
Big Hole R nr Melrose	APR-JUL	240	380	475	90%	570	710	525
	APR-SEP	265	415	515	90%	615	765	570
Hebgen Lake Inflow ²	APR-JUL	310	360	395	113%	430	480	350
	APR-SEP	395	455	495	109%	535	595	455
Gallatin R nr Gallatin Gateway	APR-JUL	335	390	430	106%	470	525	405
	APR-SEP	385	455	500	108%	545	615	465
Jefferson R nr Twin Bridges ²	APR-JUL	205	435	595	89%	755	985	665
	APR-SEP	215	460	625	93%	790	1030	675
Beaverhead R at Barretts ²	APR-JUL	40	81	109	116%	137	178	94
	APR-SEP	50	95	125	116%	155	200	108
Clark Canyon Inflow ²	APR-JUL	22	56	80	127%	104	138	63
	APR-SEP	27	65	90	129%	115	153	70
Ruby R Reservoir Inflow	APR-JUL	66	83	94	134%	105	122	70
	APR-SEP	79	98	111	132%	124	143	84

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	APR-JUL	68	81	90	91%	99	112	99
	APR-SEP	79	93	103	89%	113	127	116
Rock Ck nr Clinton	APR-JUL	139	199	240	98%	280	340	245
	APR-SEP	162	225	270	98%	315	380	275
NF Flathead R nr Columbia Falls	APR-JUL	990	1200	1340	87%	1480	1690	1540
	APR-SEP	1100	1320	1480	87%	1630	1850	1700
WF Bitterroot R Nr Conner ²	APR-JUL	54	83	104	80%	124	154	130
	APR-SEP	61	92	113	82%	134	165	138
Badger Ck nr Browning	APR-JUL	42	62	75	106%	88	108	71
	APR-SEP	47	69	84	104%	99	121	81
Blackfoot R nr Bonner	APR-JUL	540	695	800	109%	905	1060	735
	APR-SEP	595	760	870	109%	980	1140	800
Yaak R nr Troy	APR-JUL	205	285	340	84%	400	480	405
	APR-SEP	215	300	360	85%	415	500	425
Shields R nr Livingston	APR-JUL	72	117	147	116%	177	220	127
	APR-SEP	81	126	157	114%	188	235	138
Swift Reservoir Inflow	APR-JUL	33	46	54	108%	62	75	50
	APR-SEP	38	52	62	107%	72	86	58
Big Hole R at Wisdom	APR-JUL	1	41	71	80%	101	146	89
	APR-SEP	1	44	76	83%	108	156	92
Lima Reservoir Inflow ²	APR-JUL	46	68	82	130%	96	118	63
	APR-SEP	50	73	89	122%	105	128	73
Clark Fork R ab Missoula	APR-JUL	830	1150	1360	111%	1570	1890	1230
	APR-SEP	945	1280	1510	110%	1750	2090	1370
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1250	1610	1780	96%	1940	2300	1850
	APR-SEP	1320	1700	1880	96%	2050	2430	1960
Jefferson R nr Twin Bridges ²	APR-JUL	205	435	595	89%	755	985	665
	APR-SEP	215	460	625	93%	790	1030	675
Hebgen Lake Inflow ²	APR-JUL	310	360	395	113%	430	480	350
	APR-SEP	395	455	495	109%	535	595	455
Stillwater R nr Absarokee ²	APR-JUL	325	400	455	105%	510	585	435
	APR-SEP	400	490	550	104%	610	700	530
Clark Canyon Inflow ²	APR-JUL	22	56	80	127%	104	138	63
	APR-SEP	27	65	90	129%	115	153	70
MF Rock Ck nr Philipsburg	APR-JUL	39	51	59	104%	67	79	57
	APR-SEP	45	57	66	106%	74	87	62
Gallatin R at Logan	APR-JUL	315	415	480	113%	545	645	425
	APR-SEP	365	475	545	112%	615	725	485

Swan R nr Bigfork	APR-JUL	445	520	575	110%	630	705	525
	APR-SEP	500	590	650	111%	710	795	585
Teton R nr Dutton ²	APR-JUL	7.1	21	34	121%	51	81	28
	APR-SEP	7.8	23	37	128%	55	88	29
Gibson Reservoir Inflow ²	APR-JUL	250	315	360	96%	405	470	375
	APR-SEP	275	345	395	95%	445	515	415
MF Flathead R nr West Glacier	APR-JUL	985	1200	1350	92%	1500	1720	1470
	APR-SEP	1070	1300	1460	90%	1620	1850	1620
Smith R bl Eagle Ck ²	APR-JUL	61	91	112	104%	133	163	108
	APR-SEP	66	100	122	107%	144	178	114
Yellowstone R at Livingston	APR-JUL	1520	1770	1940	102%	2110	2360	1900
	APR-SEP	1760	2060	2270	103%	2480	2780	2200
Musselshell R at Harlowton ²	APR-JUL	17.1	49	71	127%	93	125	56
	APR-SEP	16.9	50	73	130%	96	129	56
Bitterroot R nr Missoula	APR-JUL	565	770	910	74%	1050	1250	1230
	APR-SEP	635	850	995	74%	1140	1360	1340
Big Hole R nr Melrose	APR-JUL	240	380	475	90%	570	710	525
	APR-SEP	265	415	515	90%	615	765	570
Clark Fork R ab Milltown	APR-JUL	280	450	560	104%	675	845	540
	APR-SEP	335	520	645	100%	770	955	645
Libby Reservoir Inflow ^{1,2}	APR-JUL	3790	4800	5260	96%	5720	6730	5460
	APR-SEP	4590	5630	6100	97%	6570	7610	6290
Flathead R at Columbia Falls ²	APR-JUL	3470	4090	4510	93%	4940	5560	4870
	APR-SEP	3760	4430	4880	90%	5340	6000	5400
Clark Fork R at St. Regis ¹	APR-JUL	1680	2570	2980	90%	3390	4280	3320
	APR-SEP	1910	2860	3290	90%	3730	4680	3670
Clark Fork R bl Cabinet Gorge Dam ²	APR-JUL	6940	8530	9610	96%	10700	12300	9980
	APR-SEP	7530	9270	10400	95%	11600	13400	10900
Nevada Ck nr Helmville	APR-JUL	6	12.9	17.6	122%	22	29	14.4
	APR-SEP	7	14.2	19.1	123%	24	31	15.5
Mission Ck nr St. Ignatius	APR-JUL	23	26	29	112%	32	35	26
	APR-SEP	27	32	35	113%	38	42	31
St. Mary R at Intl Boundary ²	APR-JUL	290	360	410	91%	460	530	450
	APR-SEP	345	420	475	93%	530	605	510
Flint Ck bl Boulder Ck	APR-JUL	29	44	54	102%	64	79	53
	APR-SEP	38	56	67	100%	79	97	67
SF Jocko R nr Arlee	APR-JUL	30	37	42	120%	47	54	35
	APR-SEP	33	41	46	118%	51	59	39
Two Medicine R bl SF nr Browning ²	APR-JUL	124	163	190	99%	215	255	191
	APR-SEP	132	173	200	103%	225	270	195
Georgetown Lake Inflow ²	APR-JUL	6.6	10.6	13.3	104%	16.1	20	12.8

Yellowstone R at Yellowstone Lake Outlet	APR-SEP	7.5	12.4	15.7	106%	19	24	14.8
	APR-JUL	480	565	625	106%	685	770	590
	APR-SEP	605	725	805	104%	885	1010	775
Clark Fk at Goldcreek	APR-JUL	112	181	230	122%	275	345	188
	APR-SEP	133	210	260	121%	315	390	215
Cooney Reservoir Inflow	APR-JUL	10.7	22	30	83%	38	49	36
	APR-SEP	22	35	44	94%	53	66	47
Tobacco R nr Eureka	APR-JUL	58	82	99	77%	115	140	129
	APR-SEP	65	92	110	77%	128	154	142
Boulder R at Big Timber	APR-JUL	240	290	320	110%	350	400	290
	APR-SEP	255	310	345	111%	380	435	310
Boulder R nr Boulder	APR-JUL	43	62	75	114%	88	107	66
	APR-SEP	45	66	80	116%	94	115	69
Missouri R at Toston ²	APR-JUL	1290	1690	1960	110%	2230	2630	1780
	APR-SEP	1670	2110	2410	122%	2710	3150	1970
Gallatin R nr Gallatin Gateway	APR-JUL	335	390	430	106%	470	525	405
	APR-SEP	385	455	500	108%	545	615	465
Mystic Lake Inflow ²	APR-JUL	51	57	61	105%	65	71	58
	APR-SEP	64	72	77	103%	82	90	75
South Crow Ck nr Ronan	APR-JUL	9.2	11.1	12.4	122%	13.7	15.6	10.2
	APR-SEP	10.5	12.6	14.1	123%	15.5	17.7	11.5
Willow Ck Reservoir Inflow ²	APR-JUL	6.6	13.3	17.8	115%	22	29	15.5
Beaverhead R at Barretts ²	APR-JUL	40	81	109	116%	137	178	94
	APR-SEP	50	95	125	116%	155	200	108
Dupuyer Ck nr Valier	APR-JUL	3.4	8.4	11.7	118%	15	20	9.9
	APR-SEP	3.7	8.9	12.4	106%	15.9	21	11.7
Yellowstone R at Corwin Springs	APR-JUL	1340	1540	1680	102%	1820	2020	1650
	APR-SEP	1540	1790	1960	103%	2130	2380	1900
Ennis Lake Inflow ²	APR-JUL	580	670	730	119%	790	880	615
	APR-SEP	720	825	895	119%	965	1070	750
Sf Flathead R nr Hungry Horse	APR-JUL	890	1050	1160	94%	1270	1430	1230
	APR-SEP	940	1110	1220	95%	1340	1510	1290
Marias R nr Shelby ²	APR-JUL	196	295	365	111%	435	535	330
	APR-SEP	191	300	370	109%	440	550	340
Prospect Ck at Thompson Falls	APR-JUL	44	64	77	81%	91	111	95
	APR-SEP	50	70	84	82%	98	119	103
St. Mary R nr Babb ²	APR-JUL	265	315	350	91%	385	435	385
	APR-SEP	305	360	400	90%	440	495	445
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.3	3.5	4.5	96%	5.7	7.5	4.7
	APR-SEP	2.6	3.9	4.9	100%	6.1	8	4.9
Clark Fork R bl Missoula	APR-JUL	1420	1930	2270	89%	2610	3120	2550

	APR-SEP	1600	2140	2510	90%	2870	3410	2780
Jefferson R nr Three Forks ²	APR-JUL	340	595	765	106%	935	1190	720
	APR-SEP	500	755	930	132%	1100	1360	705
Musselshell R nr Roundup ²	APR-JUL	1	41	83	136%	125	187	61
	APR-SEP	1	41	84	153%	127	191	55
Hyalite Reservoir Inflow ²	APR-JUL	17.8	22	24	122%	26	30	19.6
	APR-SEP	20	24	27	123%	30	34	22
Bitterroot R Nr Darby ²	APR-JUL	215	305	365	78%	425	515	465
	APR-SEP	235	330	395	79%	455	550	500
Clark Fork R nr Plains ^{1,2}	APR-JUL	5540	7690	8660	97%	9640	11800	8890
	APR-SEP	6050	8390	9450	95%	10500	12800	9920
Flathead Lake Inflow ^{1,2}	APR-JUL	3850	5010	5530	98%	6050	7210	5670
	APR-SEP	4120	5390	5970	95%	6550	7820	6310
Ruby R Reservoir Inflow	APR-JUL	66	83	94	134%	105	122	70
	APR-SEP	79	98	111	132%	124	143	84

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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	APR-JUL	139	199	240	98%	280	340	245
	APR-SEP	162	225	270	98%	315	380	275
Blackfoot R nr Bonner	APR-JUL	540	695	800	109%	905	1060	735
	APR-SEP	595	760	870	109%	980	1140	800
NF Flathead R nr Columbia Falls	APR-JUL	990	1200	1340	87%	1480	1690	1540
	APR-SEP	1100	1320	1480	87%	1630	1850	1700
WF Bitterroot R Nr Conner ²	APR-JUL	54	83	104	80%	124	154	130
	APR-SEP	61	92	113	82%	134	165	138
Yaak R nr Troy	APR-JUL	205	285	340	84%	400	480	405
	APR-SEP	215	300	360	85%	415	500	425
Clark Fork R ab Missoula	APR-JUL	830	1150	1360	111%	1570	1890	1230
	APR-SEP	945	1280	1510	110%	1750	2090	1370
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1250	1610	1780	96%	1940	2300	1850
	APR-SEP	1320	1700	1880	96%	2050	2430	1960
MF Rock Ck nr Philipsburg	APR-JUL	39	51	59	104%	67	79	57
	APR-SEP	45	57	66	106%	74	87	62
Swan R nr Bigfork	APR-JUL	445	520	575	110%	630	705	525
	APR-SEP	500	590	650	111%	710	795	585
MF Flathead R nr West Glacier	APR-JUL	985	1200	1350	92%	1500	1720	1470
	APR-SEP	1070	1300	1460	90%	1620	1850	1620

Bitterroot R nr Missoula								
	APR-JUL	565	770	910	74%	1050	1250	1230
	APR-SEP	635	850	995	74%	1140	1360	1340
Clark Fork R ab Milltown								
	APR-JUL	280	450	560	104%	675	845	540
	APR-SEP	335	520	645	100%	770	955	645
Libby Reservoir Inflow ^{1,2}								
	APR-JUL	3790	4800	5260	96%	5720	6730	5460
	APR-SEP	4590	5630	6100	97%	6570	7610	6290
Flathead R at Columbia Falls ²								
	APR-JUL	3470	4090	4510	93%	4940	5560	4870
	APR-SEP	3760	4430	4880	90%	5340	6000	5400
Clark Fork R at St. Regis ¹								
	APR-JUL	1680	2570	2980	90%	3390	4280	3320
	APR-SEP	1910	2860	3290	90%	3730	4680	3670
Clark Fork R bl Cabinet Gorge Dam ²								
	APR-JUL	6940	8530	9610	96%	10700	12300	9980
	APR-SEP	7530	9270	10400	95%	11600	13400	10900
Nevada Ck nr Helmsville								
	APR-JUL	6	12.9	17.6	122%	22	29	14.4
	APR-SEP	7	14.2	19.1	123%	24	31	15.5
Mission Ck nr St. Ignatius								
	APR-JUL	23	26	29	112%	32	35	26
	APR-SEP	27	32	35	113%	38	42	31
Flint Ck bl Boulder Ck								
	APR-JUL	29	44	54	102%	64	79	53
	APR-SEP	38	56	67	100%	79	97	67
SF Jocko R nr Arlee								
	APR-JUL	30	37	42	120%	47	54	35
	APR-SEP	33	41	46	118%	51	59	39
Georgetown Lake Inflow ²								
	APR-JUL	6.6	10.6	13.3	104%	16.1	20	12.8
	APR-SEP	7.5	12.4	15.7	106%	19	24	14.8
Clark Fk at Goldcreek								
	APR-JUL	112	181	230	122%	275	345	188
	APR-SEP	133	210	260	121%	315	390	215
Tobacco R nr Eureka								
	APR-JUL	58	82	99	77%	115	140	129
	APR-SEP	65	92	110	77%	128	154	142
South Crow Ck nr Ronan								
	APR-JUL	9.2	11.1	12.4	122%	13.7	15.6	10.2
	APR-SEP	10.5	12.6	14.1	123%	15.5	17.7	11.5
Sf Flathead R nr Hungry Horse								
	APR-JUL	890	1050	1160	94%	1270	1430	1230
	APR-SEP	940	1110	1220	95%	1340	1510	1290
Prospect Ck at Thompson Falls								
	APR-JUL	44	64	77	81%	91	111	95
	APR-SEP	50	70	84	82%	98	119	103
Mill Ck ab Bassoo ck nr Niarada								
	APR-JUL	2.3	3.5	4.5	96%	5.7	7.5	4.7
	APR-SEP	2.6	3.9	4.9	100%	6.1	8	4.9
Clark Fork R bl Missoula								
	APR-JUL	1420	1930	2270	89%	2610	3120	2550
	APR-SEP	1600	2140	2510	90%	2870	3410	2780
Bitterroot R Nr Darby ²								
	APR-JUL	215	305	365	78%	425	515	465
	APR-SEP	235	330	395	79%	455	550	500
Clark Fork R nr Plains ^{1,2}								
	APR-JUL	5540	7690	8660	97%	9640	11800	8890
	APR-SEP	6050	8390	9450	95%	10500	12800	9920
Flathead Lake Inflow ^{1,2}								
	APR-JUL	3850	5010	5530	98%	6050	7210	5670

APR-SEP 4120 5390 5970 95% 6550 7820 6310

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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								
	APR-JUL	465	585	670	100%	755	875	670
	APR-SEP	500	635	725	99%	815	950	730
Dinwoody Ck nr Burris								
	APR-JUL	54	62	68	94%	74	82	72
	APR-SEP	78	88	94	97%	100	110	97
Shields R nr Livingston								
	APR-JUL	72	117	147	116%	177	220	127
	APR-SEP	81	126	157	114%	188	235	138
Bighorn R nr St. Xavier ²								
	APR-JUL	885	1310	1600	99%	1890	2320	1610
	APR-SEP	915	1380	1700	99%	2020	2490	1720
Rock Ck nr Buffalo								
	APR-JUL	13.1	19	23	110%	27	33	21
	APR-SEP	16.7	23	27	108%	31	37	25
Clarks Fk Yellowstone R nr Belfry								
	APR-JUL	430	505	560	105%	615	690	535
	APR-SEP	455	540	600	106%	660	745	565
Big Goose Ck nr Sheridan								
	APR-JUL	34	46	54	104%	62	74	52
	APR-SEP	41	54	62	102%	70	83	61
Stillwater R nr Absarokee ²								
	APR-JUL	325	400	455	105%	510	585	435
	APR-SEP	400	490	550	104%	610	700	530
Little Popo Agie R nr Lander								
	APR-JUL	34	47	56	133%	65	78	42
	APR-SEP	39	53	62	129%	71	85	48
Shell Ck nr Shell								
	APR-JUL	39	49	56	95%	63	73	59
	APR-SEP	49	60	68	96%	76	87	71
Yellowstone R at Livingston								
	APR-JUL	1520	1770	1940	102%	2110	2360	1900
	APR-SEP	1760	2060	2270	103%	2480	2780	2200
Tongue River Reservoir Inflow ²								
	APR-JUL	132	194	235	107%	280	340	220
	APR-SEP	150	215	260	104%	305	370	250
Greybull R at Meeteetse								
	APR-JUL	82	121	148	105%	175	215	141
	APR-SEP	125	169	199	100%	230	275	199
Bull Lake Ck nr Lenore ²								
	APR-JUL	106	130	146	104%	162	186	141
	APR-SEP	131	158	176	105%	194	220	168
Little Wind R nr Riverton								
	APR-JUL	186	300	375	134%	450	565	280
	APR-SEP	215	330	410	137%	490	605	300
Little Goose Ck nr Big Horn								
	APR-JUL	20	28	33	103%	38	46	32
	APR-SEP	27	35	41	98%	47	55	42
SF Shoshone R ab Buffalo Bill Reservoir								
	APR-JUL	109	161	197	88%	235	285	225
	APR-SEP	105	162	200	89%	240	295	225

Yellowstone R at Billings ²								
	APR-JUL	2600	3170	3560	112%	3950	4520	3180
	APR-SEP	2930	3590	4040	107%	4490	5150	3760
Wind R at Riverton ²								
	APR-JUL	340	445	515	104%	585	690	495
	APR-SEP	400	515	595	106%	675	790	560
Powder R nr Locate								
	APR-JUL	127	210	270	120%	330	415	225
	APR-SEP	139	230	290	121%	350	440	240
Boysen Reservoir Inflow ²								
	APR-JUL	400	630	785	108%	940	1170	730
	APR-SEP	445	685	850	108%	1010	1260	785
NF Powder R nr Hazelton								
	APR-JUL	8.1	9.9	11.2	109%	12.5	14.3	10.3
	APR-SEP	8.8	10.7	12	108%	13.3	15.2	11.1
Yellowstone R at Yellowstone Lake Outlet								
	APR-JUL	480	565	625	106%	685	770	590
	APR-SEP	605	725	805	104%	885	1010	775
Wind R Ab Bull Lake Ck ²								
	APR-JUL	340	430	495	103%	560	650	480
	APR-SEP	360	460	530	113%	600	700	470
Cooney Reservoir Inflow								
	APR-JUL	10.7	22	30	83%	38	49	36
	APR-SEP	22	35	44	94%	53	66	47
MF Powder R nr Barnum								
	APR-JUL	10.9	15.8	19.1	122%	22	27	15.7
	APR-SEP	11.5	16.6	20	120%	23	28	16.6
Boulder R at Big Timber								
	APR-JUL	240	290	320	110%	350	400	290
	APR-SEP	255	310	345	111%	380	435	310
Mystic Lake Inflow ²								
	APR-JUL	51	57	61	105%	65	71	58
	APR-SEP	64	72	77	103%	82	90	75
Yellowstone R at Corwin Springs								
	APR-JUL	1340	1540	1680	102%	1820	2020	1650
	APR-SEP	1540	1790	1960	103%	2130	2380	1900
Tongue R nr Dayton ²								
	APR-JUL	61	80	92	105%	104	123	88
	APR-SEP	71	91	104	102%	117	137	102
Little Bighorn R nr Hardin								
	APR-JUL	61	92	114	112%	136	167	102
	APR-SEP	69	104	128	106%	152	187	121
Bighorn R at Kane ²								
	APR-JUL	490	835	1070	107%	1300	1650	1000
	APR-SEP	540	910	1160	112%	1410	1780	1040
SF Shoshone R nr Valley								
	APR-JUL	153	187	210	93%	235	265	225
	APR-SEP	174	215	240	92%	265	305	260
NF Shoshone R at Wapiti								
	APR-JUL	345	420	470	104%	520	595	450
	APR-SEP	385	465	520	101%	575	655	515
Piney Ck at Kearny								
	APR-JUL	26	42	53	106%	64	80	50
	APR-SEP	29	46	57	110%	68	85	52
Powder R at Moorhead								
	APR-JUL	117	193	245	128%	295	375	191
	APR-SEP	132	210	265	129%	320	400	205

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