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**Streamflow Forecast Summary: March 1, 2022**  
**(Medians based On 1991-2020 reference period)**

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

<b>Flathead</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
South Crow Ck nr Ronan	APR-JUL	7.6	9.5	10.8	106%	12.1	14	10.2
	APR-SEP	8.6	10.8	12.2	106%	13.7	15.8	11.5
Swan R nr Bigfork	APR-JUL	365	445	500	95%	550	630	525
	APR-SEP	415	505	565	97%	625	710	585
Flathead R at Columbia Falls <sup>2</sup>	APR-JUL	4540	5160	5580	115%	6000	6620	4870
	APR-SEP	4890	5560	6010	111%	6460	7130	5400
Mission Ck nr St. Ignatius	APR-JUL	21	25	27	104%	30	34	26
	APR-SEP	24	29	32	103%	35	40	31
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.4	3.7	4.7	100%	5.8	7.7	4.7
	APR-SEP	2.7	4	5	102%	6.2	8.1	4.9
Hungry Horse Reservoir Inflow <sup>11,2</sup>	APR-JUL	1350	1720	1880	102%	2040	2400	1850
	APR-SEP	1430	1810	1990	102%	2160	2540	1960
Sf Flathead R nr Hungry Horse	APR-JUL	885	1050	1160	94%	1260	1420	1230
	APR-SEP	940	1110	1220	95%	1340	1510	1290
NF Flathead R nr Columbia Falls	APR-JUL	1470	1680	1820	118%	1960	2170	1540
	APR-SEP	1610	1840	1990	117%	2140	2360	1700
MF Flathead R nr West Glacier	APR-JUL	1350	1560	1710	116%	1860	2080	1470
	APR-SEP	1460	1690	1840	114%	2000	2230	1620
SF Jocko R nr Arlee	APR-JUL	24	31	36	103%	41	48	35
	APR-SEP	27	35	40	103%	45	53	39
Flathead Lake Inflow <sup>11,2</sup>	APR-JUL	4640	5800	6320	111%	6840	8000	5670
	APR-SEP	4920	6190	6770	107%	7350	8620	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

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<b>Bitterroot</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Bitterroot R nr Missoula	APR-JUL	795	1000	1140	93%	1280	1480	1230
	APR-SEP	875	1090	1230	92%	1380	1600	1340
Bitterroot R Nr Darby <sup>2</sup>	APR-JUL	315	400	460	99%	525	610	465
	APR-SEP	335	430	495	99%	555	650	500
WF Bitterroot R Nr Conner <sup>2</sup>	APR-JUL	82	112	132	102%	152	182	130
	APR-SEP	90	121	142	103%	163	194	138

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<b>Lower Clark Fork</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Clark Fork R bl Cabinet Gorge Dam <sup>2</sup>	APR-JUL	8070	9660	10700	107%	11800	13400	9980
	APR-SEP	8730	10500	11600	106%	12800	14600	10900
Clark Fork R bl Missoula	APR-JUL	1560	2070	2410	95%	2750	3260	2550
	APR-SEP	1740	2280	2650	95%	3020	3560	2780
Clark Fork R ab Missoula	APR-JUL	740	1060	1270	103%	1480	1800	1230
	APR-SEP	855	1190	1420	104%	1660	2000	1370
Clark Fork R nr Plains <sup>11,2</sup>	APR-JUL	6520	8670	9650	109%	10600	12800	8890
	APR-SEP	7050	9390	10500	106%	11500	13900	9920
Prospect Ck at Thompson Falls	APR-JUL	75	95	108	114%	121	141	95
	APR-SEP	82	102	116	113%	130	150	103
Clark Fork R at St. Regis <sup>11</sup>	APR-JUL	1860	2750	3150	95%	3560	4450	3320
	APR-SEP	2080	3040	3470	95%	3900	4850	3670

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<b>Upper Clark Fork</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Nevada Ck nr Helmville	APR-JUL	-0.81	6.1	10.7	74%	15.4	22	14.4
	APR-SEP	-0.03	7.2	12.1	78%	17	24	15.5
Georgetown Lake Inflow <sup>2</sup>	APR-JUL	5.4	9.4	12.1	95%	14.8	18.8	12.8
	APR-SEP	6.1	10.9	14.2	96%	17.5	22	14.8
Blackfoot R nr Bonner	APR-JUL	510	665	770	105%	875	1030	735
	APR-SEP	575	735	845	106%	960	1120	800
Clark Fk at Goldcreek	APR-JUL	45	114	161	86%	210	275	188
	APR-SEP	60	136	188	87%	240	315	215
Rock Ck nr Clinton	APR-JUL	140	200	240	98%	280	340	245
	APR-SEP	164	230	275	100%	315	380	275
Flint Ck bl Boulder Ck	APR-JUL	25	40	50	94%	60	75	53
	APR-SEP	34	51	63	94%	75	92	67
Clark Fork R ab Milltown	APR-JUL	215	385	500	93%	610	780	540
	APR-SEP	270	455	580	90%	705	890	645
MF Rock Ck nr Philipsburg	APR-JUL	38	49	57	100%	65	77	57
	APR-SEP	43	55	64	103%	73	85	62

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<b>Kootenai</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Libby Reservoir Inflow <sup>11,2</sup>								
	APR-JUL	5090	6140	6610	121%	7080	8120	5460
	APR-SEP	6040	7100	7580	121%	8070	9130	6290
Tobacco R nr Eureka								
	APR-JUL	121	145	162	126%	179	205	129
	APR-SEP	132	158	176	124%	194	220	142
Yaak R nr Troy								
	APR-JUL	350	430	490	121%	545	625	405
	APR-SEP	365	450	505	119%	565	650	425

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<b>Lower Yellowstone</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Yellowstone R at Miles City <sup>2</sup>								
	APR-JUL	2940	3810	4400	87%	4980	5850	5040
	APR-SEP	3260	4260	4930	87%	5610	6610	5670
Yellowstone R at Miles City <sup>2</sup>								
	APR-JUL	2940	3810	4400	87%	4980	5850	5040
	APR-SEP	3260	4260	4930	87%	5610	6610	5670
Yellowstone R nr Sidney <sup>2</sup>								
	APR-JUL	2850	3760	4380	88%	5010	5920	5000
	APR-SEP	3030	4100	4820	86%	5550	6610	5580
Yellowstone R nr Sidney <sup>2</sup>								
	APR-JUL	2850	3760	4380	88%	5010	5920	5000
	APR-SEP	3030	4100	4820	86%	5550	6610	5580

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<b>Powder</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
MF Powder R nr Barnum								
	APR-JUL	3.4	8.3	11.6	74%	14.9	19.8	15.7
	APR-SEP	3.9	8.9	12.3	74%	15.8	21	16.6
NF Powder R nr Hazelton								
	APR-JUL	4.1	5.9	7.2	70%	8.5	10.3	10.3
	APR-SEP	4.6	6.5	7.8	70%	9.1	11	11.1
Rock Ck nr Buffalo								
	APR-JUL	4.8	10.7	14.7	70%	18.7	25	21
	APR-SEP	7.2	13.4	17.5	70%	22	28	25
Piney Ck at Kearny								
	APR-JUL	8.2	24	35	70%	46	62	50
	APR-SEP	9.9	26	37	71%	49	65	52
Powder R at Moorhead								

	APR-JUL	1.91	75	126	66%	178	255	191
	APR-SEP	3.6	83	136	66%	190	270	205
Powder R nr Locate								
	APR-JUL	3.8	89	146	65%	205	290	225
	APR-SEP	4.8	95	156	65%	215	305	240
Powder R nr Locate								
	APR-JUL	3.8	89	146	65%	205	290	225
	APR-SEP	4.8	95	156	65%	215	305	240

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<b>Tongue</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Tongue River Reservoir Inflow <sup>2</sup>								
	APR-JUL	70	132	174	79%	215	280	220
	APR-SEP	85	150	195	78%	240	305	250
Tongue R nr Dayton <sup>2</sup>								
	APR-JUL	47	66	78	89%	90	109	88
	APR-SEP	57	77	90	88%	103	123	102
Little Goose Ck nr Big Horn								
	APR-JUL	15	23	28	88%	33	41	32
	APR-SEP	22	30	36	86%	42	50	42
Big Goose Ck nr Sheridan								
	APR-JUL	21	33	41	79%	49	61	52
	APR-SEP	28	41	49	80%	57	70	61

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<b>Bighorn</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Dinwoody Ck nr Burris								
	APR-JUL	58	66	72	100%	77	86	72
	APR-SEP	83	92	98	101%	104	114	97
Bull Lake Ck nr Lenore <sup>2</sup>								
	APR-JUL	105	128	145	103%	161	184	141
	APR-SEP	129	156	175	104%	193	220	168
Wind R Ab Bull Lake Ck <sup>2</sup>								
	APR-JUL	350	440	505	105%	570	660	480
	APR-SEP	345	445	515	110%	585	685	470
Wind R at Riverton <sup>2</sup>								
	APR-JUL	355	455	530	107%	600	700	495
	APR-SEP	415	530	605	108%	685	800	560
Little Wind R nr Riverton								
	APR-JUL	96	210	285	102%	360	475	280
	APR-SEP	113	230	310	103%	390	505	300
Little Popo Agie R nr Lander								
	APR-JUL	19.5	33	42	100%	51	64	42
	APR-SEP	24	38	47	98%	56	70	48
Boysen Reservoir Inflow <sup>2</sup>								
	APR-JUL	350	580	735	101%	890	1120	730
	APR-SEP	370	610	775	99%	940	1180	785

Greybull R at Meeteetse	APR-JUL	76	115	142	101%	169	210	141
	APR-SEP	115	159	189	95%	220	265	199
Shell Ck nr Shell	APR-JUL	32	42	49	83%	55	65	59
	APR-SEP	41	52	60	85%	67	78	71
Bighorn R at Kane <sup>2</sup>	APR-JUL	395	740	975	98%	1210	1560	1000
	APR-SEP	405	775	1020	98%	1280	1650	1040
NF Shoshone R at Wapiti	APR-JUL	280	355	405	90%	455	530	450
	APR-SEP	315	395	450	87%	505	585	515
SF Shoshone R nr Valley	APR-JUL	153	187	210	93%	235	265	225
	APR-SEP	174	215	240	92%	265	305	260
SF Shoshone R ab Buffalo Bill Reservoir	APR-JUL	109	161	197	88%	230	285	225
	APR-SEP	107	164	200	89%	240	295	225
Buffalo Bill Reservoir Inflow <sup>2</sup>	APR-JUL	375	495	580	87%	665	785	670
	APR-SEP	410	545	635	87%	725	860	730
Bighorn R nr St. Xavier <sup>2</sup>	APR-JUL	705	1130	1420	88%	1710	2140	1610
	APR-SEP	685	1150	1470	85%	1790	2260	1720
Bighorn R nr St. Xavier <sup>2</sup>	APR-JUL	705	1130	1420	88%	1710	2140	1610
	APR-SEP	685	1150	1470	85%	1790	2260	1720
Little Bighorn R nr Hardin	APR-JUL	32	64	86	84%	107	139	102
	APR-SEP	38	73	97	80%	121	156	121
Little Bighorn R nr Hardin	APR-JUL	32	64	86	84%	107	139	102
	APR-SEP	38	73	97	80%	121	156	121

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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 Corwin Springs	APR-JUL	1050	1250	1390	84%	1530	1730	1650
	APR-SEP	1210	1450	1620	85%	1790	2040	1900
Yellowstone R at Billings <sup>2</sup>	APR-JUL	1780	2350	2740	86%	3130	3700	3180
	APR-SEP	1990	2650	3110	83%	3560	4220	3760
Stillwater R nr Absarokee <sup>2</sup>	APR-JUL	275	350	405	93%	460	535	435
	APR-SEP	320	410	470	89%	530	620	530
Boulder R at Big Timber	APR-JUL	179	225	260	90%	290	340	290
	APR-SEP	187	240	275	89%	315	365	310
Clarks Fk Yellowstone R nr Belfry	APR-JUL	325	400	455	85%	510	585	535
	APR-SEP	340	430	485	86%	545	630	565
Cooney Reservoir Inflow	APR-JUL	13.7	25	33	92%	41	52	36
	APR-SEP	20	33	42	89%	51	64	47

Mystic Lake Inflow <sup>2</sup>								
	APR-JUL	43	49	53	91%	57	63	58
	APR-SEP	54	62	67	89%	72	80	75
Yellowstone R at Livingston								
	APR-JUL	1180	1430	1600	84%	1780	2030	1900
	APR-SEP	1360	1660	1870	85%	2080	2380	2200
Shields R nr Livingston								
	APR-JUL	5.5	50	80	63%	110	155	127
	APR-SEP	11.5	57	88	64%	119	164	138
Yellowstone R at Yellowstone Lake Outlet								
	APR-JUL	370	455	515	87%	575	660	590
	APR-SEP	475	595	675	87%	755	875	775

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<b>Sun-Teton-Marias</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Dupuyer Ck nr Valier								
	APR-JUL	2.6	7.6	10.9	110%	14.2	19.2	9.9
	APR-SEP	3	8.2	11.7	100%	15.2	20	11.7
Teton R nr Dutton <sup>2</sup>								
	APR-JUL	4.9	16.8	29	104%	44	73	28
	APR-SEP	6	19.5	33	114%	50	82	29
Two Medicine R bl SF nr Browning <sup>2</sup>								
	APR-JUL	133	172	199	104%	225	265	191
	APR-SEP	142	182	210	108%	235	275	195
Marias R nr Shelby <sup>2</sup>								
	APR-JUL	191	290	360	109%	430	530	330
	APR-SEP	186	295	365	107%	435	545	340
Gibson Reservoir Inflow <sup>2</sup>								
	APR-JUL	285	350	395	105%	440	505	375
	APR-SEP	305	375	425	102%	475	545	415
Badger Ck nr Browning								
	APR-JUL	44	64	77	108%	90	110	71
	APR-SEP	47	69	84	104%	99	121	81
Swift Reservoir Inflow								
	APR-JUL	33	46	54	108%	62	75	50
	APR-SEP	39	53	63	109%	73	87	58

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<b>Smith-Judith-Musselshell</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Musselshell R nr Roundup <sup>2</sup>								
	APR-JUL	0.61	6.1	29	48%	71	133	61
	APR-SEP	1.1	6	21	38%	64	128	55
Smith R bl Eagle Ck <sup>2</sup>								
	APR-JUL	17.7	48	69	64%	89	120	108
	APR-SEP	18.7	52	74	65%	97	130	114
Musselshell R at Harlowton <sup>2</sup>								
	APR-JUL	1.68	16.2	38	68%	60	92	56

APR-SEP 1.12 13.3 36 64% 59 92 56

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<b>Missouri Mainstem</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Missouri R at Fort Benton <sup>2</sup>	APR-JUL	1060	1680	2100	80%	2520	3140	2620
	APR-SEP	1210	1940	2440	80%	2930	3660	3060
Missouri R at Fort Benton <sup>2</sup>	APR-JUL	1060	1680	2100	80%	2520	3140	2620
	APR-SEP	1210	1940	2440	80%	2930	3660	3060
Missouri R nr Virgelle <sup>2</sup>	APR-JUL	1270	1980	2460	80%	2940	3650	3060
	APR-SEP	1430	2250	2800	80%	3360	4180	3500
Missouri R nr Virgelle <sup>2</sup>	APR-JUL	1270	1980	2460	80%	2940	3650	3060
	APR-SEP	1430	2250	2800	80%	3360	4180	3500
Missouri R nr Landusky <sup>2</sup>	APR-JUL	1300	2070	2600	83%	3120	3890	3150
	APR-SEP	1450	2350	2970	82%	3580	4490	3630
Missouri R nr Landusky <sup>2</sup>	APR-JUL	1300	2070	2600	83%	3120	3890	3150
	APR-SEP	1450	2350	2970	82%	3580	4490	3630
Missouri R bl Fort Peck Dam <sup>2</sup>	APR-JUL	1280	2090	2640	86%	3190	4000	3060
	APR-SEP	1150	2160	2850	86%	3540	4550	3320
Missouri R bl Fort Peck Dam <sup>2</sup>	APR-JUL	1280	2090	2640	86%	3190	4000	3060
	APR-SEP	1150	2160	2850	86%	3540	4550	3320
Lake Sakakawea Inflow <sup>2</sup>	APR-JUL	4250	6000	7190	79%	8390	10100	9080
	APR-SEP	4420	6490	7890	78%	9290	11400	10100
Lake Sakakawea Inflow <sup>2</sup>	APR-JUL	4250	6000	7190	79%	8390	10100	9080
	APR-SEP	4420	6490	7890	78%	9290	11400	10100

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<b>Helena Valley</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
Missouri R at Toston <sup>2</sup>	APR-JUL	680	1080	1350	76%	1620	2020	1780
	APR-SEP	765	1200	1500	76%	1800	2240	1970

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Big Hole R at Wisdom	APR-JUL	2.2	43	71	76%	99	140	94
	APR-SEP	13.5	58	89	82%	119	164	108
Jefferson R nr Three Forks <sup>2</sup>	APR-JUL	0.89	41	71	80%	101	146	89
	APR-SEP	0.92	44	76	83%	108	156	92
	APR-JUL	97	350	520	72%	695	945	720
	APR-SEP	122	375	550	78%	725	980	705

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Forecast Exceedance Probabilities For Risk Assessment Chance that actual volume will exceed forecast
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<b>St. Marys</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Median	30% (KAF)	10% (KAF)	30yr Median (KAF)
St. Mary R at Intl Boundary <sup>2</sup>	APR-JUL	350	420	470	104%	520	590	450
	APR-SEP	400	475	530	104%	585	660	510
St. Mary R nr Babb <sup>2</sup>	APR-JUL	310	360	395	103%	430	480	385
	APR-SEP	355	410	450	101%	490	545	445
Lake Sherburne Inflow <sup>2</sup>	APR-JUL	79	92	101	102%	110	123	99
	APR-SEP	91	105	115	99%	125	139	116

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