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**Streamflow Forecast Summary: March 1, 2018**  
**(averages based on 1981-2010 reference period)**

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

<b>KOOTENAI RIVER BASIN in MONTANA</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Tobacco R nr Eureka	APR-JUL	116	138	152	121%	167	189	126
	APR-SEP	126	151	167	119%	184	210	140
Libby Reservoir Inflow <sup>1</sup>								
Fisher R nr Libby	APR-JUL	191	225	250	122%	275	315	205
	APR-SEP	205	240	265	120%	290	330	220
Yaak R nr Troy	APR-JUL	335	410	460	110%	510	585	420
	APR-SEP	350	430	480	109%	535	610	440
Kootenai R at Leonia <sup>1,2</sup>								

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<b>FLATHEAD RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
NF Flathead R nr Columbia Falls	APR-JUL	1690	1810	1900	123%	1990	2110	1540
	APR-SEP	1800	1940	2030	119%	2120	2260	1700
MF Flathead R nr West Glacier	APR-JUL	1700	1850	1950	130%	2050	2200	1500
	APR-SEP	1860	2020	2120	130%	2230	2390	1630
Sf Flathead R nr Hungry Horse	APR-JUL	1540	1650	1730	143%	1800	1910	1210
	APR-SEP	1640	1760	1830	142%	1910	2030	1290
Hungry Horse Reservoir Inflow <sup>1,2</sup>	APR-JUL	2350	2600	2710	146%	2830	3080	1860
	APR-SEP	2480	2740	2860	144%	2990	3250	1980
Flathead R at Columbia Falls <sup>2</sup>	APR-JUL	5870	6290	6570	131%	6860	7270	5020
	APR-SEP	6340	6790	7100	130%	7410	7860	5450
Ashley Ck nr Marion <sup>2</sup>	MAR	0.65	1.12	1.44	121%	1.76	2.2	1.19
	APR-JUL	6.1	7.5	8.5	131%	9.4	10.8	6.5
Swan R nr Bigfork	APR-JUL	655	705	740	142%	775	825	520
	APR-SEP	740	800	835	140%	875	935	595
Flathead Lake Inflow <sup>1,2</sup>	APR-JUL	6520	7290	7640	131%	7990	8770	5810
	APR-SEP	7000	7850	8240	131%	8630	9480	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	4.7	5.6	6.2	155%	6.9	7.8	4
	APR-SEP	5.1	6	6.6	150%	7.3	8.2	4.4
South Crow Ck nr Ronan	APR-JUL	9.1	10.7	11.7	116%	12.7	14.2	10.1
	APR-SEP	10.5	12.2	13.3	115%	14.5	16.2	11.6
Mission Ck nr St. Ignatius	APR-JUL	24	26	28	112%	30	32	25
	APR-SEP	29	32	34	113%	36	39	30
SF Jocko R nr Arlee	APR-JUL	37	42	46	139%	49	54	33
	APR-SEP	42	47	50	135%	54	59	37

NF Jocko R bl Tabor Feeder Canal

APR-JUL	36	39	40	129%	42	45	31
APR-SEP	38	41	43	130%	45	47	33

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

<b>UPPER CLARK FORK RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Blackfoot nr Garrison	APR-JUL	77	97	109	156%	122	141	70
	APR-SEP	84	104	118	153%	132	153	77
Flint Ck nr Southern Cross	APR-JUL	13.3	17.1	19.6	158%	22	26	12.4
	APR-SEP	15.5	20	23	158%	27	31	14.6
Flint Ck bl Boulder Ck	APR-JUL	55	70	80	154%	90	105	52
	APR-SEP	68	86	98	148%	109	127	66
Lower Willow Ck Reservoir Inflow <sup>2</sup>	APR-MAY	8.1	10.5	12.1	166%	13.8	16.2	7.3
	APR-JUL	11.9	15.7	18.3	173%	21	25	10.6
MF Rock Ck nr Philipsburg	APR-JUL	70	80	86	148%	93	102	58
	APR-SEP	77	87	94	145%	102	112	65
Rock Ck nr Clinton	APR-JUL	305	355	395	158%	430	480	250
	APR-SEP	335	390	430	154%	470	530	280
Clark Fork R ab Milltown	APR-JUL	625	775	880	166%	980	1130	530
	APR-SEP	705	870	985	160%	1100	1270	615
Nevada Ck nr Helmville	APR-MAY	11.1	14.3	16.5	196%	18.7	22	8.4
	APR-JUL	20	24	27	190%	29	33	14.2
Blackfoot R nr Bonner	APR-JUL	960	1070	1150	160%	1230	1350	720
	APR-SEP	1050	1180	1260	158%	1350	1470	800
Clark Fork R ab Missoula	APR-JUL	1600	1870	2050	164%	2230	2500	1250
	APR-SEP	1780	2070	2270	160%	2460	2750	1420

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<b>BITTERROOT RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
WF Bitterroot R Nr Conner <sup>2</sup>	APR-JUL	125	149	166	130%	183	205	128
	APR-SEP	129	160	182	131%	205	235	139
Bitterroot R Nr Darby	APR-JUL	380	465	520	118%	575	660	440
	APR-SEP	450	530	585	123%	640	720	475
Como Reservoir Inflow <sup>2</sup>	APR-JUL	74	82	87	114%	92	99	76
	APR-SEP	78	86	91	115%	96	104	79
Bitterroot R nr Missoula	APR-JUL	1160	1330	1450	126%	1560	1730	1150
	APR-SEP	1260	1450	1570	126%	1700	1880	1250

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<b>LOWER CLARK FORK RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Clark Fork R bl Missoula	APR-JUL	2700	3110	3390	141%	3660	4080	2400
	APR-SEP	2990	3430	3730	140%	4040	4480	2670
Clark Fork R at St. Regis <sup>1</sup>	APR-JUL	3410	4130	4460	141%	4790	5520	3160
	APR-SEP	3770	4550	4900	140%	5260	6040	3510
Clark Fork R nr Plains <sup>1,2</sup>	APR-JUL	10300	11800	12500	136%	13200	14700	9200
	APR-SEP	11200	12900	13600	135%	14400	16000	10100
Thompson nr Tompson Falls	APR-JUL	132	169	194	107%	220	255	181
	APR-SEP	152	191	220	107%	245	285	205
Prospect Ck at Thompson Falls	APR-JUL	89	106	117	115%	128	145	102
	APR-SEP	96	113	125	114%	136	153	110
Clark Fork R at Whitehorse Rapids <sup>1,2</sup>	APR-JUL	11700	13400	14100	134%	14900	16600	10500
	APR-SEP	12800	14600	15400	134%	16200	18100	11500

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<b>JEFFERSON RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lima Reservoir Inflow <sup>2</sup>	APR-JUL	22	42	56	75%	69	89	75
	APR-SEP	22	44	60	75%	75	97	80
Clark Canyon Inflow <sup>2</sup>	APR-JUL	17.9	52	75	74%	98	132	101
	APR-SEP	25	65	92	77%	119	159	120
Beaverhead R at Barretts <sup>2</sup>	APR-JUL	38	79	107	83%	135	176	129
	APR-SEP	55	101	132	85%	163	210	156
Ruby R Reservoir Inflow <sup>2</sup>	APR-JUL	51	67	77	100%	87	103	77
	APR-SEP	63	80	92	101%	104	121	91
Big Hole R at Wisdom	APR-JUL	68	114	145	142%	176	220	102
	APR-SEP	71	120	153	142%	186	235	108
Big Hole R nr Melrose	APR-JUL	505	635	725	141%	810	940	515
	APR-SEP	540	680	775	138%	870	1010	560
Jefferson R nr Twin Bridges <sup>2</sup>	APR-JUL	465	695	850	123%	1010	1240	690
	APR-SEP	495	740	905	124%	1070	1310	730
Boulder R nr Boulder	APR-JUL	75	94	108	157%	122	141	69
	APR-SEP	79	101	116	157%	130	152	74
Willow Ck Reservoir Inflow <sup>2</sup>	APR-JUL	11.7	18.3	23	137%	27	34	16.8

Jefferson R nr Three Forks<sup>2</sup>

APR-JUL	615	835	985	133%	1140	1360	740
APR-SEP	620	870	1040	130%	1210	1460	800

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<b>MADISON RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Reservoir Inflow <sup>2</sup>								
	APR-JUL	340	385	415	112%	445	490	370
	APR-SEP	435	490	525	112%	560	615	470
Ennis Reservoir Inflow <sup>2</sup>								
	APR-JUL	535	620	680	109%	740	825	625
	APR-SEP	670	775	845	109%	915	1020	775

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<b>GALLATIN RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gateway								
	APR-JUL	395	455	495	124%	535	595	400
	APR-SEP	460	525	575	122%	620	690	470
Hyalite Reservoir Inflow <sup>2</sup>								
	APR-JUL	20	22	24	120%	26	28	20
	APR-SEP	24	26	28	122%	30	32	23
Gallatin R at Logan								
	APR-JUL	415	520	595	135%	665	775	440
	APR-SEP	475	595	675	134%	760	880	505

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<b>SMITH-JUDITH-MUSSELSHELL</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sheep Ck nr White Sulphur Springs								
	APR-JUL	14.3	17.7	20	129%	22	26	15.5
	APR-SEP	17.3	21	24	130%	27	31	18.4
Smith R bl Eagle Ck <sup>2</sup>								
	APR-JUL	70	103	126	119%	149	182	106
	APR-SEP	73	112	139	120%	166	205	116
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale								
	APR-JUL	50	66	76	217%	86	102	35
	APR-SEP	55	72	83	218%	94	111	38
Musselshell R at Harlowton <sup>2</sup>								
	APR-JUL	47	68	83	146%	97	118	57
	APR-SEP	45	68	84	142%	101	124	59
Musselshell R nr Roundup <sup>2</sup>								
	APR-JUL	35	66	87	130%	109	138	67

APR-SEP -21 45 90 136% 135 200 66

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<b>SUN-TETON-MARIAS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL	460	520	560	142%	600	660	395
	APR-SEP	500	565	610	139%	655	720	440
Two Medicine R nr Browning <sup>2</sup>	APR-JUL	187	215	235	128%	255	285	183
	APR-SEP	195	225	245	126%	265	295	194
Badger Ck nr Browning	APR-JUL	83	99	110	125%	121	137	88
	APR-SEP	96	114	126	122%	138	156	103
Swift Reservoir Inflow <sup>2</sup>	APR-JUL	50	62	70	123%	78	90	57
	APR-SEP	60	74	83	124%	92	106	67
Dupuyer Ck nr Valier	APR-JUL	5.8	9.4	11.9	107%	14.4	18	11.1
	APR-SEP	6.8	10.8	13.5	106%	16.2	20	12.7
Cut Bank Ck nr Browning	APR-JUL	68	82	92	133%	102	116	69
	APR-SEP	74	89	99	132%	109	124	75
Marias R nr Shelby <sup>2</sup>	APR-JUL	295	390	450	125%	510	605	360
	APR-SEP	310	405	470	125%	535	630	375
Teton R nr Dutton	APR-JUL	8.8	37	56	133%	75	103	42
	APR-SEP	12.9	43	64	133%	85	115	48

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<b>ST. MARY &amp; MILK BASINS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow	APR-JUL	92	105	113	116%	121	134	97
	APR-SEP	106	120	129	115%	138	152	112
St. Mary R nr Babb <sup>2</sup>	APR-JUL	355	405	440	119%	470	520	370
	APR-SEP	410	465	505	119%	540	595	425
St. Mary R at Intl Boundary <sup>2</sup>	APR-JUL	410	475	520	120%	565	635	435
	APR-SEP	475	545	595	118%	645	720	505
Milk R at Western Crossing of Intl Bndry, AB								
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<b>MISSOURI MAINSTEM BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Missouri R at Toston <sup>2</sup>	APR-JUL	1650	2030	2290	128%	2550	2930	1790
	APR-SEP	1860	2300	2600	126%	2900	3340	2070
Dearborn R nr Craig								
Missouri R at Fort Benton <sup>2</sup>	APR-JUL	2450	3040	3460	133%	3850	4450	2610
	APR-SEP	2860	3560	4030	130%	4510	5210	3110
Missouri R nr Virgelle <sup>2</sup>	APR-JUL	2800	3470	3940	131%	4380	5050	3000
	APR-SEP	3210	3990	4520	128%	5060	5840	3520
Missouri R nr Landusky <sup>2</sup>	APR-JUL	3030	3750	4240	134%	4720	5430	3160
	APR-SEP	3460	4290	4860	131%	5430	6260	3720
Missouri R bl Fort Peck Dam <sup>2</sup>	APR-JUL	3200	3920	4410	136%	4880	5590	3240
	APR-SEP	3380	4300	4930	133%	5550	6470	3700
Lake Sakakawea Inflow <sup>2</sup>	APR-JUL	9860	11600	12800	154%	14000	15800	8310
	APR-SEP	10700	12900	14400	153%	15900	18100	9400

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<b>UPPER YELLOWSTONE RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yellowstone R at Yellowstone Lake Outlet	APR-JUL	700	775	825	143%	875	950	575
	APR-SEP	925	1030	1100	143%	1170	1280	770
Yellowstone R at Corwin Springs	APR-JUL	1990	2180	2300	145%	2420	2610	1590
	APR-SEP	2350	2570	2720	145%	2870	3090	1880
Yellowstone R at Livingston	APR-JUL	2250	2490	2650	147%	2810	3040	1800
	APR-SEP	2660	2930	3120	146%	3310	3590	2140
Shields R nr Livingston	APR-JUL	180	220	250	194%	280	320	129
	APR-SEP	195	240	270	189%	300	350	143
Boulder R at Big Timber	APR-JUL	365	415	450	161%	485	535	280
	APR-SEP	400	455	490	163%	530	585	300
Mystic Lake Inflow <sup>2</sup>	APR-JUL	67	73	77	131%	81	87	59
	APR-SEP	88	95	100	135%	105	112	74
Stillwater R nr Absarokee <sup>2</sup>	APR-JUL	520	595	645	145%	695	770	445
	APR-SEP	615	700	760	146%	820	905	520
Clarks Fk Yellowstone R nr Belfry	APR-JUL	740	815	865	170%	915	990	510
	APR-SEP	820	900	955	174%	1010	1090	550
Cooney Reservoir Inflow	APR-JUL	23	35	44	116%	53	65	38
	APR-SEP	31	45	54	113%	63	77	48
Yellowstone R at Billings	APR-JUL	4450	5030	5430	168%	5830	6410	3230
	APR-SEP	5100	5790	6250	168%	6710	7400	3730

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<b>LOWER YELLOWSTONE RIVER BASIN (Wyoming)</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bighorn R nr St. Xavier <sup>2</sup>	APR-JUL	1320	1730	2000	145%	2270	2680	1380
	APR-SEP	1390	1840	2140	147%	2440	2890	1460
Little Bighorn R nr Hardin	APR-JUL	30	65	88	90%	111	146	98
	APR-SEP	36	74	100	90%	126	164	111
Tongue R nr Dayton <sup>2</sup>	APR-JUL	43	61	73	85%	86	104	86
	APR-SEP	51	71	85	87%	98	118	98
Big Goose Ck nr Sheridan	APR-JUL	20	33	41	89%	50	62	46
	APR-SEP	28	40	49	91%	58	71	54
Little Goose Ck nr Bighorn	APR-JUL	15.9	24	29	94%	34	42	31
	APR-SEP	23	31	37	95%	43	52	39
Tongue River Reservoir Inflow <sup>2</sup>	APR-JUL	52	117	161	83%	205	270	193
	APR-SEP	68	137	184	86%	230	300	215
Yellowstone R at Miles City <sup>2</sup>	APR-JUL	5920	6910	7580	159%	8240	9220	4780
	APR-SEP	6710	7860	8670	159%	9440	10600	5450
Powder R at Moorehead	APR-JUL	75	161	220	124%	280	365	177
	APR-SEP	96	185	245	125%	305	395	196
Powder R nr Locate	APR-JUL	88	183	245	123%	310	405	199
	APR-SEP	107	205	275	125%	345	445	220
Yellowstone R nr Sidney <sup>2</sup>	APR-JUL	5970	7060	7800	161%	8540	9630	4830
	APR-SEP	6700	7990	8870	163%	9750	11000	5430

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