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**Streamflow Forecast Summary: May 1, 2019**  
**(averages based on 1981-2010 reference period)**

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<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	MAY-JUL	51	67	79	78%	90	107	101
	MAY-SEP	58	77	90	79%	103	122	114
Libby Reservoir Inflow <sup>1</sup>	MAY-JUL	2740	3470	3800	79%	4130	4860	4820
	MAY-SEP	3430	4240	4600	80%	4960	5770	5733
Fisher R nr Libby								
Yaak R nr Troy	MAY-JUL	178	225	260	84%	295	345	310
	MAY-SEP	190	245	280	85%	315	370	330
Kootenai R at Leonia <sup>1,2</sup>	MAY-JUL	3440	4250	4610	80%	4980	5780	5730
	MAY-SEP	4240	5110	5500	82%	5900	6770	6730

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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	MAY-JUL	845	965	1050	80%	1130	1250	1320
	MAY-SEP	965	1100	1190	80%	1280	1410	1480
MF Flathead R nr West Glacier	MAY-JUL	900	1020	1110	85%	1200	1320	1300
	MAY-SEP	995	1130	1230	86%	1320	1460	1430
Sf Flathead R nr Hungry Horse	MAY-JUL	725	815	875	84%	935	1020	1040
	MAY-SEP	775	875	940	85%	1010	1100	1110
Hungry Horse Reservoir Inflow <sup>1,2</sup>	MAY-JUL	1020	1230	1320	84%	1410	1620	1580
	MAY-SEP	1090	1320	1420	84%	1520	1750	1690
Flathead R at Columbia Falls <sup>2</sup>	MAY-JUL	2920	3290	3540	83%	3790	4160	4290
	MAY-SEP	3240	3650	3920	83%	4200	4610	4720
Ashley Ck nr Marion <sup>2</sup>								
Swan R nr Bigfork	MAY-JUL	295	335	360	83%	385	425	435
	MAY-SEP	350	395	425	83%	455	500	510
Flathead Lake Inflow <sup>1,2</sup>	MAY-JUL	3120	3750	4030	82%	4310	4940	4940
	MAY-SEP	3350	4090	4420	82%	4750	5490	5400
Mill Ck ab Bassoo ck nr Niarada	MAY-JUL	1.32	1.81	2.2	76%	2.6	3.3	2.9
	MAY-SEP	1.57	2.1	2.5	78%	2.9	3.7	3.2
South Crow Ck nr Ronan	MAY-JUL	6.9	8.1	9	98%	9.9	11.1	9.2
	MAY-SEP	7.9	9.4	10.5	99%	11.6	13.1	10.6
Mission Ck nr St. Ignatius	MAY-JUL	21	24	25	104%	27	30	24
	MAY-SEP	24	28	30	103%	33	36	29
SF Jocko R nr Arlee	MAY-JUL	23	27	30	103%	33	37	29
	MAY-SEP	26	31	34	103%	37	42	33

NF Jocko R bl Tabor Feeder Canal

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<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								
Flint Ck nr Southern Cross								
	MAY-JUL	6.1	9.2	11.3	108%	13.4	16.4	10.5
	MAY-SEP	7.4	11.1	13.6	107%	16.1	19.8	12.7
Flint Ck bl Boulder Ck								
	MAY-JUL	30	41	49	109%	57	68	45
	MAY-SEP	40	54	63	107%	72	86	59
Lower Willow Ck Reservoir Inflow <sup>2</sup>								
	MAY-JUL	5.4	7.5	9	111%	10.5	12.6	8.1
	MAY-SEP	6.3	8.5	10	112%	11.5	13.7	8.9
MF Rock Ck nr Philipsburg								
	MAY-JUL	38	46	51	96%	56	64	53
	MAY-SEP	44	52	58	97%	63	71	60
Rock Ck nr Clinton								
	MAY-JUL	181	220	245	111%	270	305	220
	MAY-SEP	210	250	275	110%	305	345	250
Clark Fork R ab Milltown								
	MAY-JUL	320	425	495	111%	565	670	445
	MAY-SEP	390	510	585	110%	665	780	530
Nevada Ck nr Helmville								
	MAY-JUL	4	8.8	12	109%	15.2	20	11
	MAY-SEP	4.9	10	13.5	109%	17	22	12.4
Blackfoot R nr Bonner								
	MAY-JUL	470	570	640	108%	710	810	590
	MAY-SEP	545	650	725	107%	800	905	675
Clark Fork R ab Missoula								
	MAY-JUL	810	1000	1130	110%	1270	1460	1030
	MAY-SEP	955	1170	1310	109%	1450	1660	1200

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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>								
	MAY-JUL	66	85	97	89%	109	127	109
	MAY-SEP	75	94	108	90%	121	140	120
Bitterroot R Nr Darby								
	MAY-JUL	280	335	370	99%	405	455	375
	MAY-SEP	305	365	400	98%	440	495	410
Como Reservoir Inflow <sup>2</sup>								
	MAY-JUL	56	61	65	98%	69	74	66
	MAY-SEP	58	64	68	99%	72	78	69
Bitterroot R nr Missoula								
	MAY-JUL	860	945	1000	101%	1060	1140	990
	MAY-SEP	930	1020	1090	100%	1150	1240	1090

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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	MAY-JUL	1750	1980	2130	105%	2280	2510	2030
	MAY-SEP	1980	2230	2400	104%	2570	2820	2300
Clark Fork R at St. Regis <sup>1</sup>	MAY-JUL	2120	2560	2760	105%	2960	3400	2640
	MAY-SEP	2410	2890	3110	104%	3330	3810	2990
Clark Fork R nr Plains <sup>1,2</sup>	MAY-JUL	5500	6480	6920	89%	7360	8340	7780
	MAY-SEP	6050	7200	7720	89%	8240	9390	8650
Thompson nr Thompson Falls								
Prospect Ck at Thompson Falls	MAY-JUL	40	48	53	70%	58	66	76
	MAY-SEP	46	54	60	71%	66	74	84
Clark Fork R at Whitehorse Rapids <sup>1,2</sup>								

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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>	MAY-JUL	23	37	46	92%	55	69	50
	MAY-SEP	25	41	51	91%	61	77	56
Clark Canyon Inflow <sup>2</sup>	MAY-JUL	-3.9	23	41	64%	59	86	64
	MAY-SEP	2.1	35	57	69%	79	112	83
Beaverhead R at Barretts <sup>2</sup>	MAY-JUL	9.8	40	61	72%	81	111	85
	MAY-SEP	24	59	82	74%	106	141	111
Ruby R Reservoir Inflow <sup>2</sup>	MAY-JUL	45	57	66	99%	75	87	67
	MAY-SEP	56	71	81	99%	91	106	82
Big Hole R at Wisdom	MAY-JUL	6.2	39	61	81%	83	116	75
	MAY-SEP	6.9	42	66	83%	90	125	80
Big Hole R nr Melrose	MAY-JUL	225	310	365	83%	420	505	440
	MAY-SEP	250	345	405	84%	465	560	480
Jefferson R nr Twin Bridges <sup>2</sup>	MAY-JUL	128	290	400	78%	510	670	515
	MAY-SEP	143	320	435	78%	555	730	555
Boulder R nr Boulder	MAY-JUL	48	65	76	127%	87	104	60
	MAY-SEP	51	69	82	126%	95	113	65
Willow Ck Reservoir Inflow <sup>2</sup>	MAY-JUL	8.3	13.7	17.4	121%	21	27	14.4
Jefferson R nr Three Forks <sup>2</sup>	MAY-JUL	230	395	505	88%	615	775	575
	MAY-SEP	225	415	540	85%	670	860	635

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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>	MAY-JUL	265	305	330	108%	355	395	305
	MAY-SEP	350	400	435	107%	470	520	405
Ennis Reservoir Inflow <sup>2</sup>	MAY-JUL	455	520	565	107%	610	675	530
	MAY-SEP	575	660	715	105%	770	855	680

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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	MAY-JUL	345	385	410	111%	435	475	370
	MAY-SEP	405	450	480	109%	510	555	440
Hyalite Reservoir Inflow <sup>2</sup>	MAY-JUL	17	18.8	20	108%	21	23	18.5
	MAY-SEP	19.4	21	23	110%	24	26	21
Gallatin R at Logan	MAY-JUL	325	400	450	118%	500	575	380
	MAY-SEP	365	455	515	116%	575	665	445

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<b>SMITH-JUDITH-MUSSELHELL</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sheep Ck nr White Sulphur Springs	MAY-JUL	10.1	13.1	15.1	113%	17.1	20	13.4
	MAY-SEP	12	15.6	18.1	112%	21	24	16.2
Smith R bl Eagle Ck <sup>2</sup>	MAY-JUL	57	84	103	116%	122	149	89
	MAY-SEP	57	91	113	114%	136	170	99
NF Musselshell R nr Delpine	MAY-JUL	19.6	38	51	138%	64	83	37
	MAY-SEP	22	41	55	138%	68	88	40
Musselshell R at Harlowton <sup>2</sup>	MAY-JUL	32	51	63	131%	75	94	48
	MAY-SEP	31	52	66	132%	80	101	50
Musselshell R nr Roundup <sup>2</sup>	MAY-JUL	47	65	77	143%	89	107	54
	MAY-SEP	47	66	78	144%	91	110	54

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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	MAY-JUL	215	255	280	79%	305	345	355
	MAY-SEP	240	285	315	80%	345	390	395
Two Medicine R nr Browning <sup>2</sup>	MAY-JUL	80	102	118	77%	133	155	153
	MAY-SEP	87	111	127	77%	144	168	164
Badger Ck nr Browning	MAY-JUL	40	54	63	82%	72	85	77
	MAY-SEP	50	65	76	83%	86	101	92
Swift Reservoir Inflow <sup>2</sup>	MAY-JUL	24	34	41	84%	48	58	49
	MAY-SEP	31	43	51	85%	59	71	60
Dupuyer Ck nr Valier	MAY-JUL	2.9	5.8	7.7	85%	9.6	12.5	9.1
	MAY-SEP	3.6	6.8	9	84%	11.2	14.4	10.7
Cut Bank Ck nr Browning	MAY-JUL	31	42	49	79%	56	67	62
	MAY-SEP	35	46	54	79%	62	73	68
Marias R nr Shelby <sup>2</sup>	MAY-JUL	103	172	220	73%	265	335	300
	MAY-SEP	104	179	230	73%	280	355	315
Teton R nr Dutton	MAY-JUL	2	8	23	66%	38	60	35
	MAY-SEP	3	11.2	28	68%	44	68	41

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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	MAY-JUL	57	67	73	85%	80	90	86
	MAY-SEP	68	80	87	86%	95	106	101
St. Mary R nr Babb <sup>2</sup>	MAY-JUL	225	260	290	85%	315	355	340
	MAY-SEP	265	310	340	86%	370	420	395
St. Mary R at Intl Boundary <sup>2</sup>	MAY-JUL	240	295	330	83%	370	425	400
	MAY-SEP	290	350	395	84%	435	500	470
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>	MAY-JUL	1090	1350	1530	103%	1710	1980	1480
	MAY-SEP	1230	1560	1790	102%	2010	2350	1760

Dearborn R nr Craig

Missouri R at Fort Benton<sup>2</sup>

MAY-JUL	1420	1850	2140	98%	2430	2860	2190
MAY-SEP	1710	2240	2600	97%	2960	3490	2680

Missouri R nr Virgelle<sup>2</sup>

MAY-JUL	1610	2070	2390	95%	2700	3160	2510
MAY-SEP	1890	2470	2860	94%	3250	3830	3030

Missouri R nr Landusky<sup>2</sup>

MAY-JUL	1690	2200	2540	96%	2890	3400	2650
MAY-SEP	2000	2630	3050	95%	3480	4100	3200

Missouri R bl Fort Peck Dam<sup>2</sup>

MAY-JUL	1810	2390	2780	103%	3170	3750	2700
MAY-SEP	2000	2750	3270	103%	3780	4540	3160

Lake Sakakawea Inflow<sup>2</sup>

MAY-JUL	4940	6380	7360	102%	8330	9770	7230
MAY-SEP	5490	7280	8490	102%	9710	11500	8320

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UPPER YELLOWSTONE RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yellowstone R at Yellowstone Lake Outlet	MAY-JUL	510	570	615	113%	660	720	545
	MAY-SEP	700	775	825	112%	880	955	735
Yellowstone R at Corwin Springs	MAY-JUL	1410	1560	1660	112%	1760	1910	1480
	MAY-SEP	1690	1870	1980	112%	2100	2280	1770
Yellowstone R at Livingston	MAY-JUL	1580	1760	1890	113%	2020	2200	1670
	MAY-SEP	1890	2110	2260	112%	2400	2620	2010
Shields R nr Livingston	MAY-JUL	112	143	164	152%	186	215	108
	MAY-SEP	120	155	178	145%	200	235	123
Boulder R at Big Timber	MAY-JUL	215	250	275	102%	300	335	270
	MAY-SEP	230	270	295	102%	325	365	290
Mystic Lake Inflow <sup>2</sup>	MAY-JUL	53	57	60	105%	63	67	57
	MAY-SEP	66	72	76	106%	80	85	72
Stillwater R nr Absarokee <sup>2</sup>	MAY-JUL	355	410	450	107%	485	540	420
	MAY-SEP	420	485	525	106%	570	635	495
Clarks Fk Yellowstone R nr Belfry	MAY-JUL	450	500	535	111%	565	615	480
	MAY-SEP	490	545	580	110%	620	675	525
Cooney Reservoir Inflow	MAY-JUL	20	30	37	112%	44	54	33
	MAY-SEP	30	41	48	112%	55	66	43
Yellowstone R at Billings	MAY-JUL	2610	3000	3270	109%	3540	3930	3000
	MAY-SEP	2970	3450	3780	108%	4100	4580	3490

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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>	MAY-JUL	745	1020	1200	95%	1390	1660	1260
	MAY-SEP	775	1070	1270	95%	1470	1760	1340
Little Bighorn R nr Hardin	MAY-JUL	1	19.6	37	44%	54	80	85
	MAY-SEP	2	25	45	46%	65	94	97
Tongue R nr Dayton <sup>2</sup>	MAY-JUL	19.2	34	44	55%	54	69	80
	MAY-SEP	26	42	54	59%	65	81	92
Big Goose Ck nr Sheridan	MAY-JUL	6.8	16.6	23	52%	30	40	44
	MAY-SEP	14.2	24	31	60%	38	48	52
Little Goose Ck nr Bighorn	MAY-JUL	7.3	13.3	17.4	60%	22	28	29
	MAY-SEP	13.4	20	24	65%	29	36	37
Tongue River Reservoir Inflow <sup>2</sup>	MAY-JUL	1	34	70	40%	106	158	175
	MAY-SEP	1	49	86	43%	124	180	198
Yellowstone R at Miles City <sup>2</sup>	MAY-JUL	3180	3880	4370	100%	4850	5560	4370
	MAY-SEP	3600	4450	5030	100%	5620	6470	5030
Powder R at Moorehead	MAY-JUL	1	43	93	62%	143	215	151
	MAY-SEP	1	57	107	63%	158	230	170
Powder R nr Locate	MAY-JUL	1	47	103	63%	159	240	164
	MAY-SEP	1	58	117	63%	175	260	185
Yellowstone R nr Sidney <sup>2</sup>	MAY-JUL	2980	3790	4350	99%	4900	5720	4380
	MAY-SEP	3270	4250	4920	99%	5590	6580	4980

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