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**Streamflow Forecast Summary: April 1, 2021**  
**(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</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Tobacco R nr Eureka	APR-JUL	74	96	111	88%	125	147	126
	APR-SEP	82	106	123	88%	139	163	140
Libby Reservoir Inflow <sup>1</sup>	APR-JUL	4550	5310	5660	106%	6010	6770	5340
	APR-SEP	5060	5880	6250	100%	6620	7440	6250
Yaak R nr Troy	APR-JUL	250	315	360	86%	400	465	420
	APR-SEP	265	330	375	85%	420	485	440
Kootenai R at Leonia <sup>1,2</sup>	APR-JUL	5160	6040	6440	98%	6840	7720	6600
	APR-SEP	6040	6980	7400	97%	7820	8760	7590

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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	1200	1350	1450	94%	1550	1690	1540
	APR-SEP	1330	1490	1600	94%	1700	1860	1700
MF Flathead R nr West Glacier	APR-JUL	1250	1390	1480	99%	1580	1710	1500
	APR-SEP	1360	1510	1610	99%	1710	1860	1630
Sf Flathead R nr Hungry Horse	APR-JUL	880	1010	1100	91%	1190	1320	1210
	APR-SEP	940	1080	1170	91%	1260	1400	1290
Hungry Horse Reservoir Inflow <sup>1,2</sup>	APR-JUL	1320	1610	1740	94%	1870	2160	1860
	APR-SEP	1400	1710	1850	93%	1990	2290	1980
Flathead R at Columbia Falls <sup>2</sup>	APR-JUL	4010	4460	4770	95%	5080	5530	5020
	APR-SEP	4350	4840	5180	95%	5520	6010	5450
Swan R nr Bigfork	APR-JUL	385	440	485	93%	525	585	520
	APR-SEP	430	500	545	92%	595	665	595
Flathead Lake Inflow <sup>1,2</sup>	APR-JUL	4250	5110	5490	94%	5880	6740	5810
	APR-SEP	4490	5460	5910	94%	6350	7320	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.3	3.2	3.8	95%	4.6	5.7	4
	APR-SEP	2.6	3.5	4.2	95%	4.9	6.1	4.4
South Crow Ck nr Ronan	APR-JUL	7.4	9	10	99%	11.1	12.7	10.1
	APR-SEP	8.2	10.1	11.4	98%	12.7	14.6	11.6
Mission Ck nr St. Ignatius	APR-JUL	20	23	26	104%	28	31	25
	APR-SEP	23	27	30	100%	33	37	30
SF Jocko R nr Arlee	APR-JUL	22	28	32	97%	35	41	33
	APR-SEP	25	31	35	95%	39	45	37

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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)
Georgetown Lake Inflow								
	APR-JUL	5.3	9	11.5	93%	14	17.7	12.4
	APR-SEP	5.8	10.3	13.4	92%	16.5	21	14.6
Flint Ck bl Boulder Ck								
	APR-JUL	28	41	51	98%	60	73	52
	APR-SEP	37	53	64	97%	75	91	66
Lower Willow Ck Reservoir Inflow <sup>2</sup>								
	APR-JUL	6.2	9.3	11.4	109%	13.5	16.6	10.5
	APR-SEP	6.8	10.1	12.3	109%	14.5	17.7	11.3
MF Rock Ck nr Philipsburg								
	APR-JUL	38	48	54	93%	60	70	58
	APR-SEP	44	54	61	94%	67	77	65
Rock Ck nr Clinton								
	APR-JUL	168	215	245	98%	275	325	250
	APR-SEP	194	245	280	100%	310	360	280
Clark Fork R ab Milltown								
	APR-JUL	290	420	510	96%	600	730	530
	APR-SEP	350	495	595	97%	695	840	615
Nevada Ck nr Helmville								
	APR-JUL	5.6	11.3	15.1	106%	18.9	25	14.2
	APR-SEP	6.4	12.4	16.5	106%	21	27	15.6
Blackfoot R nr Bonner								
	APR-JUL	585	715	800	111%	885	1010	720
	APR-SEP	655	795	885	111%	975	1110	800
Clark Fork R ab Missoula								
	APR-JUL	890	1140	1310	105%	1480	1730	1250
	APR-SEP	1030	1300	1480	104%	1660	1930	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	107	129	145	113%	161	183	128
	APR-SEP	117	141	157	113%	173	197	139
Bitterroot R Nr Darby								
	APR-JUL	405	470	515	117%	560	625	440
	APR-SEP	435	505	550	116%	595	665	475
Como Reservoir Inflow <sup>2</sup>								
	APR-JUL	74	80	85	112%	89	95	76
	APR-SEP	76	83	88	111%	92	100	79
Bitterroot R nr Missoula								
	APR-JUL	1050	1180	1270	110%	1360	1490	1150
	APR-SEP	1140	1280	1370	110%	1460	1600	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	1990	2340	2580	108%	2820	3170	2400
	APR-SEP	2200	2590	2850	107%	3110	3500	2670
Clark Fork R at St. Regis <sup>1</sup>	APR-JUL	2430	3090	3390	107%	3680	4340	3160
	APR-SEP	2710	3420	3740	107%	4060	4760	3510
Clark Fork R nr Plains <sup>1,2</sup>	APR-JUL	6930	8400	9070	99%	9730	11200	9200
	APR-SEP	7490	9150	9900	98%	10600	12300	10100
Prospect Ck at Thompson Falls	APR-JUL	87	99	107	105%	115	127	102
	APR-SEP	95	107	116	105%	124	136	110

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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	19	34	45	60%	56	71	75
	APR-SEP	18.8	36	47	59%	59	76	80
Clark Canyon Inflow <sup>2</sup>	APR-JUL	1.01	12.5	34	34%	56	87	101
	APR-SEP	1.2	22	48	40%	74	113	120
Beaverhead R at Barretts <sup>2</sup>	APR-JUL	1.29	26	50	39%	74	109	129
	APR-SEP	1.56	40	67	43%	94	135	156
Ruby R Reservoir Inflow <sup>2</sup>	APR-JUL	30	44	54	70%	64	78	77
	APR-SEP	39	55	66	73%	77	93	91
Big Hole R at Wisdom	APR-JUL	27	68	96	94%	124	165	102
	APR-SEP	29	72	102	94%	132	175	108
Big Hole R nr Melrose	APR-JUL	285	395	470	91%	545	655	515
	APR-SEP	310	430	510	91%	590	710	560
Jefferson R nr Twin Bridges <sup>2</sup>	APR-JUL	151	355	490	71%	625	830	690
	APR-SEP	156	375	525	72%	675	895	730
Boulder R nr Boulder	APR-JUL	39	57	69	100%	81	99	69
	APR-SEP	40	60	73	99%	86	106	74
Willow Ck Reservoir Inflow <sup>2</sup>	APR-JUL	3.2	9.1	13.1	78%	17.1	23	16.8
Jefferson R nr Three Forks <sup>2</sup>	APR-JUL	174	395	550	74%	700	920	740
	APR-SEP	192	420	580	73%	735	965	800

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

<b>MADISON RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Lake Inflow <sup>2</sup>								
	APR-JUL	240	285	315	85%	345	390	370
	APR-SEP	315	370	405	86%	440	495	470
Ennis Lake Inflow <sup>2</sup>								
	APR-JUL	395	475	530	85%	585	665	625
	APR-SEP	500	600	665	86%	730	830	775

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

<b>GALLATIN RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gallatin Gateway								
	APR-JUL	295	345	375	94%	410	460	400
	APR-SEP	345	400	440	94%	480	535	470
Hyalite Reservoir Inflow <sup>2</sup>								
	APR-JUL	17.5	19.7	21	105%	23	25	20
	APR-SEP	20	23	24	104%	26	28	23
Gallatin R at Logan								
	APR-JUL	245	335	395	90%	460	550	440
	APR-SEP	280	380	450	89%	515	615	505

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Chance that actual volume will exceed forecast

<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	8.7	11.9	14.1	91%	16.3	19.5	15.5
	APR-SEP	10.3	14.2	16.9	92%	19.6	24	18.4
Smith R bl Eagle Ck <sup>2</sup>								
	APR-JUL	11.8	61	95	90%	129	178	106
	APR-SEP	15.2	68	104	90%	140	193	116
SF Musselshell R ab Martinsdale								
	APR-JUL	11.7	21	28	80%	35	44	35
	APR-SEP	14.1	24	31	82%	38	48	38
Musselshell R at Harlowton <sup>2</sup>								
	APR-JUL	0.57	24	46	81%	69	103	57
	APR-SEP	0.59	23	48	81%	73	110	59
Musselshell R nr Roundup <sup>2</sup>								
	APR-JUL	0.67	18.1	53	79%	88	139	67
	APR-SEP	0.66	15.3	53	80%	91	146	66

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

<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	275	325	355	90%	385	435	395
	APR-SEP	310	360	395	90%	430	480	440
Two Medicine R bl SF nr Browning <sup>2</sup>	APR-JUL	135	158	174	95%	190	215	183
	APR-SEP	140	165	182	94%	199	225	194
Badger Ck nr Browning	APR-JUL	54	70	80	91%	90	106	88
	APR-SEP	64	81	93	90%	105	122	103
Swift Reservoir Inflow <sup>2</sup>	APR-JUL	32	44	52	91%	60	72	57
	APR-SEP	39	52	61	91%	70	83	67
Dupuyer Ck nr Valier	APR-JUL	4	7.4	9.7	87%	12	15.4	11.1
	APR-SEP	4.8	8.5	11	87%	13.5	17.2	12.7
Cut Bank Ck nr Browning	APR-JUL	46	57	64	93%	72	82	69
	APR-SEP	50	62	70	93%	78	90	75
Marias R nr Shelby <sup>2</sup>	APR-JUL	215	290	340	94%	390	465	360
	APR-SEP	210	290	345	92%	400	480	375
Teton R nr Dutton	APR-JUL	7.4	24	35	83%	46	63	42
	APR-SEP	7.1	26	39	81%	52	71	48

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>ST. MARY</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow	APR-JUL	81	91	98	101%	105	116	97
	APR-SEP	93	105	113	101%	121	133	112
St. Mary R nr Babb <sup>2</sup>	APR-JUL	310	345	375	101%	400	440	370
	APR-SEP	355	400	430	101%	465	510	425
St. Mary R at Intl Boundary <sup>2</sup>	APR-JUL	345	400	440	101%	480	535	435
	APR-SEP	400	465	510	101%	555	615	505

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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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	435	500	545	95%	585	650	575
	APR-SEP	570	660	720	94%	785	875	770
Yellowstone R at Corwin Springs	APR-JUL	1320	1480	1590	100%	1700	1860	1590
	APR-SEP	1550	1750	1880	100%	2010	2210	1880



SF Shoshone R nr Valley	APR-JUL	93	136	165	85%	194	235	193
	APR-SEP	91	139	171	86%	205	250	200
Shell Ck nr Shell	APR-JUL	149	177	196	91%	215	245	215
	APR-SEP	170	205	225	92%	245	280	245
Wind R Ab Bull Lake Ck	APR-JUL	36	45	51	93%	57	66	55
	APR-SEP	45	55	62	94%	69	79	66
Wind R at Riverton	APR-JUL	250	335	390	86%	445	530	455
	APR-SEP	260	350	415	85%	480	570	490
Boysen Reservoir Inflow	APR-JUL	245	335	400	84%	465	555	475
	APR-SEP	295	400	470	85%	540	645	550
Boysen Reservoir Inflow	APR-JUL	111	320	460	75%	600	810	610
	APR-SEP	114	335	485	73%	635	855	665

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>TONGUE RIVER (Wyoming)</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Big Goose Ck nr Sheridan	APR-JUL	27	39	47	102%	55	67	46
	APR-SEP	36	48	56	104%	64	76	54
Little Goose Ck nr Big Horn	APR-JUL	19.9	27	32	103%	37	44	31
	APR-SEP	27	35	40	103%	45	53	39
Tongue River Reservoir Inflow <sup>2</sup>	APR-JUL	85	145	185	96%	225	285	193
	APR-SEP	99	162	205	95%	250	310	215
Tongue R nr Dayton <sup>2</sup>	APR-JUL	55	71	82	95%	93	109	86
	APR-SEP	63	81	93	95%	105	123	98

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3) Median value used in place of average

Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>POWDER RIVER (Wyoming)</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
MF Powder R nr Barnum	APR-JUL	10.7	14.6	17.2	107%	19.8	24	16.1
	APR-SEP	11.5	15.5	18.2	107%	21	25	17
Piney Ck at Kearny	APR-JUL	22	39	50	114%	61	78	44
	APR-SEP	25	42	54	115%	66	83	47
Powder R at Moorhead	APR-JUL	66	146	200	113%	255	335	177
	APR-SEP	84	165	220	112%	275	355	196
Powder R nr Locate	APR-JUL	72	160	220	111%	280	370	199
	APR-SEP	84	177	240	109%	305	395	220

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