

Report Created:
3/5/2021 9:48:27 AM

Streamflow Forecast Summary: March 1, 2021
(averages based on 1981-2010 reference period)

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

KOOTENAI RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Tobacco R nr Eureka	APR-JUL	79	102	118	94%	134	158	126
	APR-SEP	88	113	131	94%	148	173	140
Libby Reservoir Inflow ¹	APR-JUL	4640	5630	6080	114%	6530	7510	5340
	APR-SEP	5570	6580	7040	113%	7500	8510	6250
Yaak R nr Troy	APR-JUL	285	365	420	100%	475	560	420
	APR-SEP	300	385	440	100%	495	580	440
Kootenai R at Leonia ^{1,2}	APR-JUL	5450	6740	7330	111%	7920	9210	6600
	APR-SEP	6450	7770	8370	110%	8970	10300	7590

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FLATHEAD RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
NF Flathead R nr Columbia Falls	APR-JUL	1210	1400	1530	99%	1660	1850	1540
	APR-SEP	1350	1550	1680	99%	1820	2020	1700
MF Flathead R nr West Glacier	APR-JUL	1280	1480	1610	107%	1750	1950	1500
	APR-SEP	1400	1610	1750	107%	1890	2100	1630
Sf Flathead R nr Hungry Horse	APR-JUL	940	1090	1190	98%	1290	1440	1210
	APR-SEP	1000	1160	1260	98%	1370	1530	1290
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1390	1730	1890	102%	2050	2390	1860
	APR-SEP	1480	1840	2000	101%	2170	2520	1980
Flathead R at Columbia Falls ²	APR-JUL	4180	4750	5140	102%	5520	6090	5020
	APR-SEP	4540	5150	5560	102%	5970	6580	5450
Swan R nr Bigfork	APR-JUL	390	460	510	98%	565	635	520
	APR-SEP	440	525	580	97%	635	720	595
Flathead Lake Inflow ^{1,2}	APR-JUL	4370	5430	5910	102%	6390	7450	5810
	APR-SEP	4660	5830	6360	101%	6890	8050	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.4	3.5	4.4	110%	5.4	7.1	4
	APR-SEP	2.6	3.8	4.8	109%	5.8	7.6	4.4
South Crow Ck nr Ronan	APR-JUL	7.8	9.6	10.8	107%	11.9	13.7	10.1
	APR-SEP	8.8	10.8	12.2	105%	13.6	15.7	11.6
Mission Ck nr St. Ignatius	APR-JUL	21	24	27	108%	29	32	25
	APR-SEP	24	29	32	107%	35	39	30
SF Jocko R nr Arlee	APR-JUL	23	30	35	106%	40	47	33
	APR-SEP	27	34	39	105%	44	51	37

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UPPER CLARK FORK RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Georgetown Lake Inflow								
	APR-JUL	7.1	11	13.7	110%	16.4	20	12.4
	APR-SEP	8.1	12.9	16.1	110%	19.4	24	14.6
Flint Ck bl Boulder Ck								
	APR-JUL	34	49	59	113%	69	84	52
	APR-SEP	43	61	73	111%	85	103	66
Lower Willow Ck Reservoir Inflow ²								
	APR-JUL	5.7	9.4	11.9	113%	14.4	18.1	10.5
	APR-SEP	6.4	10.2	12.8	113%	15.4	19.2	11.3
MF Rock Ck nr Philipsburg								
	APR-JUL	47	58	65	112%	72	82	58
	APR-SEP	53	64	72	111%	80	91	65
Rock Ck nr Clinton								
	APR-JUL	196	250	290	116%	325	380	250
	APR-SEP	225	285	325	116%	365	425	280
Clark Fork R ab Milltown								
	APR-JUL	380	535	640	121%	745	900	530
	APR-SEP	450	620	740	120%	855	1030	615
Nevada Ck nr Helmville								
	APR-JUL	6	12.2	16.4	115%	21	27	14.2
	APR-SEP	6.9	13.4	17.8	114%	22	29	15.6
Blackfoot R nr Bonner								
	APR-JUL	630	780	880	122%	985	1130	720
	APR-SEP	705	860	970	121%	1080	1230	800
Clark Fork R ab Missoula								
	APR-JUL	1020	1320	1520	122%	1720	2020	1250
	APR-SEP	1170	1490	1710	120%	1930	2250	1420

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BITTERROOT RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
WF Bitterroot R Nr Conner ²								
	APR-JUL	113	140	158	123%	177	205	128
	APR-SEP	123	151	171	123%	190	220	139
Bitterroot R Nr Darby								
	APR-JUL	410	490	545	124%	605	685	440
	APR-SEP	435	525	585	123%	640	730	475
Como Reservoir Inflow ²								
	APR-JUL	76	83	88	116%	93	101	76
	APR-SEP	78	86	91	115%	97	105	79
Bitterroot R nr Missoula								
	APR-JUL	1070	1250	1380	120%	1500	1680	1150
	APR-SEP	1160	1360	1490	119%	1620	1810	1250

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LOWER CLARK FORK RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Clark Fork R bl Missoula	APR-JUL	2130	2590	2900	121%	3210	3670	2400
	APR-SEP	2370	2860	3200	120%	3540	4030	2670
Clark Fork R at St. Regis ¹	APR-JUL	2580	3420	3800	120%	4180	5020	3160
	APR-SEP	2870	3770	4180	119%	4600	5500	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	7010	9010	9910	108%	10800	12800	9200
	APR-SEP	7630	9820	10800	107%	11800	14000	10100
Prospect Ck at Thompson Falls	APR-JUL	73	93	106	104%	119	139	102
	APR-SEP	80	100	114	104%	128	148	110

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

JEFFERSON RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lima Reservoir Inflow ²	APR-JUL	17.3	37	51	68%	64	84	75
	APR-SEP	16.5	39	54	68%	69	92	80
Clark Canyon Inflow ²	APR-JUL	1.01	31	55	54%	79	116	101
	APR-SEP	1.2	41	70	58%	99	141	120
Beaverhead R at Barretts ²	APR-JUL	1.29	43	72	56%	101	145	129
	APR-SEP	8.1	57	90	58%	123	172	156
Ruby R Reservoir Inflow ²	APR-JUL	30	46	57	74%	68	84	77
	APR-SEP	40	58	70	77%	82	100	91
Big Hole R at Wisdom	APR-JUL	33	78	109	107%	140	185	102
	APR-SEP	35	83	116	107%	148	197	108
Big Hole R nr Melrose	APR-JUL	330	460	550	107%	640	770	515
	APR-SEP	355	500	595	106%	690	835	560
Jefferson R nr Twin Bridges ²	APR-JUL	215	450	610	88%	765	1000	690
	APR-SEP	230	480	650	89%	820	1070	730
Boulder R nr Boulder	APR-JUL	48	66	79	114%	91	109	69
	APR-SEP	50	71	85	115%	99	119	74
Willow Ck Reservoir Inflow ²	APR-JUL	3.3	9.9	14.4	86%	18.9	25	16.8
Jefferson R nr Three Forks ²	APR-JUL	215	495	690	93%	885	1170	740
	APR-SEP	205	500	700	88%	900	1190	800

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

MADISON RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Lake Inflow ²								
	APR-JUL	245	295	325	88%	355	405	370
	APR-SEP	320	375	415	88%	455	510	470
Ennis Lake Inflow ²								
	APR-JUL	410	500	560	90%	620	710	625
	APR-SEP	520	625	700	90%	775	880	775

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

GALLATIN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gallatin Gateway								
	APR-JUL	300	360	400	100%	440	500	400
	APR-SEP	350	420	465	99%	510	580	470
Hyalite Reservoir Inflow ²								
	APR-JUL	18.7	21	23	115%	25	28	20
	APR-SEP	21	25	27	117%	29	32	23
Gallatin R at Logan								
	APR-JUL	295	395	460	105%	525	625	440
	APR-SEP	350	455	525	104%	595	700	505

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Chance that actual volume will exceed forecast

SMITH-JUDITH-MUSSELSHELL	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sheep Ck nr White Sulphur Springs								
	APR-JUL	9.2	12.6	14.9	96%	17.3	21	15.5
	APR-SEP	11	15	17.7	96%	20	24	18.4
Smith R bl Eagle Ck ²								
	APR-JUL	24	73	107	101%	140	190	106
	APR-SEP	27	80	116	100%	152	205	116
SF Musselshell R ab Martinsdale								
	APR-JUL	18	29	37	106%	45	56	35
	APR-SEP	18.8	31	40	105%	49	61	38
Musselshell R at Harlowton ²								
	APR-JUL	2.7	37	60	105%	83	117	57
	APR-SEP	0.59	36	61	103%	86	123	59
Musselshell R nr Roundup ²								
	APR-JUL	0.67	4.8	75	112%	144	245	67
	APR-SEP	0.66	1.83	74	112%	146	250	66

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Chance that actual volume will exceed forecast

SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow								
	APR-JUL	315	380	420	106%	460	525	395
	APR-SEP	345	415	460	105%	505	575	440
Two Medicine R bl SF nr Browning ²								
	APR-JUL	124	159	183	100%	210	245	183
	APR-SEP	132	169	194	100%	220	255	194
Badger Ck nr Browning								
	APR-JUL	60	75	86	98%	97	112	88
	APR-SEP	71	88	100	97%	112	129	103
Swift Reservoir Inflow ²								
	APR-JUL	37	50	59	104%	67	80	57
	APR-SEP	45	59	69	103%	79	93	67
Dupuyer Ck nr Valier								
	APR-JUL	3.9	7.3	9.7	87%	12.1	15.5	11.1
	APR-SEP	4.6	8.3	10.9	86%	13.5	17.2	12.7
Cut Bank Ck nr Browning								
	APR-JUL	48	61	70	101%	79	92	69
	APR-SEP	52	66	76	101%	86	100	75
Marias R nr Shelby ²								
	APR-JUL	210	300	360	100%	420	510	360
	APR-SEP	215	310	375	100%	440	535	375
Teton R nr Dutton								
	APR-JUL	0.08	27	45	107%	63	90	42
	APR-SEP	2.6	31	51	106%	71	99	48

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ST. MARY	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow								
	APR-JUL	81	93	101	104%	110	122	97
	APR-SEP	93	107	116	104%	126	139	112
St. Mary R nr Babb ²								
	APR-JUL	305	355	390	105%	420	470	370
	APR-SEP	355	410	445	105%	485	540	425
St. Mary R at Intl Boundary ²								
	APR-JUL	345	410	460	106%	505	570	435
	APR-SEP	405	480	530	105%	580	650	505

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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								
	APR-JUL	460	540	590	103%	645	720	575
	APR-SEP	605	715	785	102%	860	970	770
Yellowstone R at Corwin Springs								
	APR-JUL	1420	1600	1730	109%	1860	2040	1590
	APR-SEP	1660	1890	2040	109%	2200	2420	1880

SF Shoshone R nr Valley	APR-JUL	120	170	205	106%	240	290	193
	APR-SEP	124	178	215	108%	250	305	200
Shell Ck nr Shell	APR-JUL	171	205	225	105%	245	280	215
	APR-SEP	195	230	260	106%	285	320	245
Wind R Ab Bull Lake Ck	APR-JUL	35	45	51	93%	57	67	55
	APR-SEP	45	55	62	94%	69	79	66
Wind R at Riverton	APR-JUL	290	370	430	95%	490	570	455
	APR-SEP	295	390	455	93%	520	615	490
Boysen Reservoir Inflow	APR-JUL	0	250	425	70%	595	845	610
	APR-SEP	0	265	445	67%	630	895	665

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TONGUE RIVER (Wyoming)	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Big Goose Ck nr Sheridan	APR-JUL	24	37	46	100%	54	67	46
	APR-SEP	32	45	54	100%	62	75	54
Little Goose Ck nr Big Horn	APR-JUL	19.4	27	33	106%	38	46	31
	APR-SEP	26	35	41	105%	47	55	39
Tongue River Reservoir Inflow ²	APR-JUL	95	159	205	106%	250	310	193
	APR-SEP	111	180	225	105%	275	340	215
Tongue R nr Dayton ²	APR-JUL	59	77	89	103%	102	120	86
	APR-SEP	68	88	102	104%	115	135	98

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POWDER RIVER (Wyoming)	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
MF Powder R nr Barnum	APR-JUL	6.8	11	13.8	86%	16.6	21	16.1
	APR-SEP	7.6	11.9	14.8	87%	17.7	22	17
Piney Ck at Kearny	APR-JUL	14.1	32	44	100%	57	75	44
	APR-SEP	16.5	35	48	102%	60	79	47
Powder R at Moorhead	APR-JUL	23	109	168	95%	225	315	177
	APR-SEP	35	124	184	94%	245	335	196
Powder R nr Locate	APR-JUL	30	124	189	95%	255	350	199
	APR-SEP	37	137	205	93%	275	375	220

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