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Streamflow Forecast Summary: March 1, 2016
(averages based on 1981-2010 reference period)

		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
KOOTENAI RIVER BASIN in MONTANA	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Tobacco R nr Eureka	APR-JUL	79	100	115	91%	130	151	126
	APR-SEP	88	112	129	92%	146	170	140
Libby Reservoir Inflow ¹	APR-JUL	4340	4920	5180	97%	5440	6020	5340
	APR-SEP	5240	5800	6060	97%	6320	6880	6250
Fisher R nr Libby	APR-JUL	124	160	184	90%	210	245	205
	APR-SEP	135	172	197	90%	220	260	220
Yaak R nr Troy	APR-JUL	315	390	440	105%	490	565	420
	APR-SEP	330	405	460	105%	515	590	440
Kootenai R at Leonia ^{1,2}	APR-JUL	5290	6030	6370	97%	6710	7450	6600
	APR-SEP	6260	6990	7330	97%	7660	8390	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	1180	1300	1390	90%	1480	1600	1540
	APR-SEP	1300	1440	1530	90%	1620	1760	1700
MF Flathead R nr West Glacier	APR-JUL	1070	1220	1320	88%	1420	1570	1500
	APR-SEP	1170	1320	1430	88%	1540	1690	1630
Sf Flathead R nr Hungry Horse	APR-JUL	915	1030	1100	93%	1170	1280	1180
	APR-SEP	975	1090	1170	93%	1250	1360	1260
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1420	1670	1780	96%	1900	2150	1860
	APR-SEP	1510	1770	1900	96%	2020	2280	1980
Flathead R at Columbia Falls ²	APR-JUL	3870	4290	4580	91%	4860	5280	5020
	APR-SEP	4200	4650	4960	91%	5270	5720	5450
Ashley Ck nr Marion ²	MAR	0.34	0.8	1.12	94%	1.44	1.91	1.19
	APR-JUL	3.2	4.6	5.5	85%	6.5	7.9	6.5
Swan R nr Bigfork	APR-JUL	460	510	545	105%	580	630	520
	APR-SEP	520	580	620	104%	660	720	595
Flathead Lake Inflow ^{1,2}	APR-JUL	4150	4920	5270	91%	5620	6400	5810
	APR-SEP	4430	5280	5670	90%	6060	6910	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	1.97	2.9	3.5	88%	4.1	5	4
	APR-SEP	2.3	3.3	3.9	89%	4.5	5.5	4.4
South Crow Ck nr Ronan	APR-JUL	7.4	9	10	99%	11	12.6	10.1
	APR-SEP	8.6	10.3	11.5	99%	12.7	14.4	11.6
Mission Ck nr St. Ignatius	APR-JUL	21	23	25	100%	27	29	25

Bitterroot R nr Missoula	APR-JUL	58	65	70	92%	75	83	76
	APR-SEP	60	68	73	92%	78	86	79
	APR-JUL	835	1010	1120	97%	1240	1410	1150
	APR-SEP	910	1100	1220	98%	1350	1530	1250

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

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	1580	1990	2270	95%	2550	2960	2400
	APR-SEP	1780	2230	2530	95%	2830	3280	2670
Clark Fork R at St. Regis ¹	APR-JUL	1950	2670	3000	95%	3330	4060	3160
	APR-SEP	2210	2990	3350	95%	3700	4480	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	6300	7810	8500	92%	9190	10700	9200
	APR-SEP	6880	8550	9310	92%	10100	11700	10100
Thompson nr Thompson Falls	APR-JUL	79	116	141	78%	166	205	181
	APR-SEP	94	134	161	79%	188	230	205
Prospect Ck at Thompson Falls	APR-JUL	54	71	82	80%	93	110	102
	APR-SEP	60	76	88	80%	100	116	110
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	7180	8840	9600	91%	10400	12000	10500
	APR-SEP	7890	9720	10500	91%	11400	13200	11500

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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	34	54	68	83%	82	102	82
	APR-SEP	33	58	74	83%	90	115	89
Clark Canyon Inflow ²	APR-JUL	21	48	82	81%	116	167	101
	APR-SEP	7.2	62	100	83%	138	193	120
Beaverhead R at Barretts ²	APR-JUL	25	64	114	88%	164	235	129
	APR-SEP	36	80	138	88%	196	280	156
Ruby R Reservoir Inflow ²	APR-JUL	39	56	68	88%	80	97	77
	APR-SEP	49	69	82	90%	95	115	91
Big Hole R at Wisdom	APR-JUL	31	75	105	103%	135	179	102
	APR-SEP	30	78	111	103%	144	192	108
Big Hole R nr Melrose	APR-JUL	390	510	595	116%	680	800	515
	APR-SEP	415	550	640	114%	730	865	560
Jefferson R nr Twin Bridges ²	APR-JUL	330	555	705	102%	855	1080	690

Boulder R nr Boulder	APR-SEP	345	595	765	105%	935	1190	730
	APR-JUL	43	60	71	103%	82	99	69
Willow Ck Reservoir Inflow ²	APR-SEP	46	64	76	103%	88	106	74
	APR-JUL	6.7	12.8	17	101%	21	27	16.8
Jefferson R nr Three Forks ²	APR-SEP	8.7	15.1	19.5	101%	24	30	19.3
	APR-JUL	295	550	720	97%	890	1150	740
	APR-SEP	310	590	780	98%	970	1250	800

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MADISON RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Reservoir Inflow ²	APR-JUL	235	275	305	82%	330	370	370
	APR-SEP	310	355	385	82%	420	465	470
Ennis Reservoir Inflow ²	APR-JUL	385	470	525	84%	580	665	625
	APR-SEP	495	595	660	85%	725	825	775

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GALLATIN RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gateway	APR-JUL	260	320	360	90%	400	460	400
	APR-SEP	305	375	420	89%	465	535	470
Hyalite Reservoir Inflow ²	APR-JUL	14.5	16.7	18.2	91%	19.7	22	20
	APR-SEP	17.4	19.7	21	91%	23	25	23
Gallatin R at Logan	APR-JUL	215	315	385	88%	455	555	440
	APR-SEP	250	365	445	88%	525	640	505

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Forecast Exceedance Probabilities for Risk Assessment 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	10.4	13.8	16.1	104%	18.4	22	15.5
	APR-SEP	12.5	16.5	19.2	104%	22	26	18.4
Smith R bl Eagle Ck ²	APR-JUL	51	85	107	101%	130	163	106
	APR-SEP	51	90	117	101%	144	183	116
NF Musselshell R nr Delpine	APR-JUL	1.44	2.6	3.4	100%	4.3	5.4	3.4

SF Musselshell R ab Martinsdale	APR-SEP	1.82	3.2	4.1	103%	5	6.3	4
	APR-JUL	9	24	35	100%	45	61	35
Musselshell R at Harlowton ²	APR-SEP	10.3	27	38	100%	49	65	38
	APR-JUL	-1.9	24	48	84%	72	106	57
Musselshell R nr Roundup ²	APR-SEP	-1.2	25	50	85%	75	112	59
	APR-JUL	-23	3	48	72%	93	159	67
	APR-SEP	-26	3.4	48	73%	93	159	66

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SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL	171	235	275	70%	315	380	395
	APR-SEP	199	265	310	70%	355	420	440
Two Medicine R nr Browning ²	APR-JUL	88	114	131	72%	148	174	183
	APR-SEP	95	122	140	72%	158	185	194
Badger Ck nr Browning	APR-JUL	30	45	56	64%	67	82	88
	APR-SEP	38	55	67	65%	79	96	103
Swift Reservoir Inflow ²	APR-JUL	16.8	29	37	65%	45	57	57
	APR-SEP	23	36	45	67%	54	67	67
Dupuyer Ck nr Valier	APR-JUL	0.1	1.11	6	54%	10.9	18.1	11.1
	APR-SEP	0.4	1.59	7	55%	12.4	20	12.7
Cut Bank Ck nr Browning	APR-JUL	29	43	53	77%	63	77	69
	APR-SEP	32	48	58	77%	68	84	75
Marias R nr Shelby ²	APR-JUL	27	133	205	59%	280	385	345
	APR-SEP	16.3	131	210	58%	285	400	360
Teton R nr Dutton	APR-JUL	4.5	11.8	22	52%	41	69	42
	APR-SEP	5.6	13	26	54%	47	77	48

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ST. MARY & MILK BASINS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lake Sherburne Inflow	APR-JUL	71	80	86	89%	92	101	97
	APR-SEP	83	93	100	89%	107	117	112
St. Mary R nr Babb ²	APR-JUL	260	300	325	88%	350	390	370
	APR-SEP	300	345	375	88%	405	445	425
St. Mary R at Intl Boundary ²	APR-JUL	280	340	380	87%	420	480	435
	APR-SEP	330	395	435	86%	475	540	505

Milk R at Western Crossing of Intl Bndry, AB								
MAR-SEP	6.8	13.6	25	76%	36	53	32.77	
Milk R at Eastern Crossing of Intl Bndry								

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MISSOURI MAINSTEM BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Missouri R at Toston ²	APR-JUL	915	1330	1610	90%	1890	2300	1790
	APR-SEP	1050	1530	1860	90%	2190	2670	2070
Dearborn R nr Craig	APR-JUL	12.7	41	61	69%	81	109	89
	APR-SEP	13.9	44	65	68%	86	116	95
Missouri R at Fort Benton ²	APR-JUL	1180	1790	2200	84%	2610	3220	2610
	APR-SEP	1420	2150	2640	85%	3130	3860	3110
Missouri R nr Virgelle ²	APR-JUL	1250	1950	2430	81%	2910	3610	3000
	APR-SEP	1480	2310	2880	82%	3450	4280	3520
Missouri R nr Landusky ²	APR-JUL	1330	2060	2550	81%	3040	3770	3160
	APR-SEP	1580	2450	3040	82%	3630	4500	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	1210	2010	2550	79%	3090	3890	3240
	APR-SEP	1230	2230	2910	79%	3590	4590	3700
Lake Sakakawea Inflow ²	APR-JUL	3530	5370	6620	80%	7870	9710	8310
	APR-SEP	3550	5840	7390	79%	8940	11200	9400

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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-SEP	530	620	680	88%	740	830	770
	APR-JUL	395	465	510	89%	555	625	575
Yellowstone R at Corwin Springs	APR-SEP	1330	1550	1700	90%	1860	2080	1880
	APR-JUL	1150	1340	1460	92%	1580	1770	1590
Yellowstone R at Livingston	APR-SEP	1480	1760	1940	91%	2130	2410	2140
	APR-JUL	1280	1510	1670	93%	1820	2050	1800
Shields R nr Livingston	APR-SEP	25	76	110	77%	144	195	143
	APR-JUL	25	70	101	78%	132	177	129
Boulder R at Big Timber	APR-SEP	180	230	265	88%	300	350	300
	APR-JUL	176	220	250	89%	280	325	280
Mystic Lake Inflow ²	APR-SEP	50	57	62	84%	67	74	74
	APR-JUL	39	44	48	81%	52	57	59

Stillwater R nr Absarokee ²	APR-SEP	320	395	445	86%	495	570	520
	APR-JUL	280	340	385	87%	430	490	445
Clarks Fk Yellowstone R nr Belfry	APR-SEP	400	465	510	93%	555	620	550
	APR-JUL	370	430	470	92%	510	570	510
Cooney Reservoir Inflow	APR-SEP	8.6	23	32	67%	41	55	48
	APR-JUL	2.6	15.4	24	63%	33	45	38
Yellowstone R at Billings	APR-SEP	2110	2770	3220	86%	3670	4330	3730
	APR-JUL	1910	2470	2850	88%	3230	3790	3230

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LOWER YELLOWSTONE RIVER BASIN (Wyoming)	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bighorn R nr St. Xavier ²	APR-JUL	410	785	1040	75%	1300	1680	1380
	APR-SEP	345	770	1060	73%	1340	1770	1460
Little Bighorn R nr Hardin	APR-JUL	3	31	50	51%	69	97	98
	APR-SEP	5.8	37	58	52%	79	110	111
Tongue R nr Dayton ²	APR-JUL	16.9	35	48	56%	61	79	86
	APR-SEP	23	43	57	58%	71	91	98
Big Goose Ck nr Sheridan	APR-JUL	7.5	19.1	27	59%	35	46	46
	APR-SEP	15.1	27	35	65%	43	55	54
Little Goose Ck nr Bighorn	APR-JUL	7	14.1	19	61%	24	31	31
	APR-SEP	11.9	19.7	25	64%	30	38	39
Tongue River Reservoir Inflow ²	APR-JUL	0.4	66	110	57%	154	220	193
	APR-SEP	9.3	78	125	58%	172	240	215
Yellowstone R at Miles City ²	APR-JUL	2310	3270	3920	82%	4570	5530	4780
	APR-SEP	2460	3600	4370	80%	5140	6280	5450
Powder R at Moorehead	APR-JUL	1	35	82	46%	128	196	177
	APR-SEP	1	51	98	50%	146	215	196
Powder R nr Locate	APR-JUL	1	36	90	45%	145	225	199
	APR-SEP	1	47	105	48%	164	250	220
Yellowstone R nr Sidney ²	APR-JUL	1980	3080	3820	79%	4560	5660	4830
	APR-SEP	1980	3280	4170	77%	5060	6360	5430

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