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Streamflow Forecast Summary: February 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	98	115	126	100%	138	154	126
	APR-SEP	108	126	139	99%	152	171	140
Libby Reservoir Inflow ¹	APR-JUL	4740	5370	5650	106%	5940	6570	5340
	APR-SEP	5740	6330	6590	105%	6860	7440	6250
Fisher R nr Libby	APR-JUL	130	173	200	98%	230	275	205
	APR-SEP	141	186	215	98%	245	290	220
Yaak R nr Troy	APR-JUL	360	415	455	108%	495	555	420
	APR-SEP	375	435	480	109%	520	580	440
Kootenai R at Leonia ^{1,2}	APR-JUL	5770	6610	6990	106%	7370	8210	6600
	APR-SEP	6850	7650	8020	106%	8380	9190	7590

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 3) Median value used in place of average

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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	1330	1430	93%	1530	1670	1540
	APR-SEP	1320	1470	1580	93%	1680	1840	1700
MF Flathead R nr West Glacier	APR-JUL	1080	1240	1360	91%	1470	1630	1500
	APR-SEP	1190	1360	1470	90%	1590	1760	1630
Sf Flathead R nr Hungry Horse	APR-JUL	885	1020	1100	93%	1190	1330	1180
	APR-SEP	940	1080	1170	93%	1260	1400	1260
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1380	1660	1780	96%	1910	2180	1860
	APR-SEP	1480	1760	1900	96%	2030	2310	1980
Flathead R at Columbia Falls ²	APR-JUL	3890	4350	4660	93%	4980	5440	5020
	APR-SEP	4240	4730	5060	93%	5390	5870	5450
Ashley Ck nr Marion ²	MAR	0.3	0.77	1.09	92%	1.4	1.87	1.19
	APR-JUL	3.2	4.7	5.6	86%	6.6	8	6.5
Swan R nr Bigfork	APR-JUL	450	505	545	105%	585	640	520
	APR-SEP	515	575	620	104%	665	725	595
Flathead Lake Inflow ^{1,2}	APR-JUL	4150	4990	5370	92%	5750	6590	5810
	APR-SEP	4490	5390	5790	92%	6200	7090	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	1.63	2.6	3.3	83%	3.9	4.9	4
	APR-SEP	1.92	2.9	3.6	82%	4.3	5.3	4.4
South Crow Ck nr Ronan	APR-JUL	8.1	9.5	10.5	104%	11.4	12.9	10.1
	APR-SEP	9.2	10.8	11.9	103%	13	14.6	11.6
Mission Ck nr St. Ignatius	APR-JUL	22	24	26	104%	27	30	25

Bitterroot R nr Missoula	APR-JUL	58	65	70	92%	75	82	76
	APR-SEP	61	68	73	92%	78	85	79
	APR-JUL	810	990	1110	97%	1240	1420	1150
	APR-SEP	900	1090	1220	98%	1350	1550	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	1610	2030	2310	96%	2590	3000	2400
	APR-SEP	1840	2280	2580	97%	2880	3310	2670
Clark Fork R at St. Regis ¹	APR-JUL	1990	2720	3060	97%	3390	4120	3160
	APR-SEP	2290	3060	3410	97%	3760	4540	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	6380	7950	8670	94%	9380	11000	9200
	APR-SEP	7060	8740	9500	94%	10300	11900	10100
Thompson nr Thompson Falls	APR-JUL	87	124	149	82%	174	210	181
	APR-SEP	103	143	170	83%	197	235	205
Prospect Ck at Thompson Falls	APR-JUL	57	73	84	82%	95	112	102
	APR-SEP	62	79	90	82%	102	119	110
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	7300	9020	9800	93%	10600	12300	10500
	APR-SEP	8110	9930	10800	94%	11600	13400	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	38	59	74	90%	88	109	82
	APR-SEP	41	64	80	90%	96	119	89
Clark Canyon Inflow ²	APR-JUL	25	61	85	84%	110	146	101
	APR-SEP	36	77	105	88%	133	175	120
Beaverhead R at Barretts ²	APR-JUL	25	67	117	91%	167	240	129
	APR-SEP	36	86	144	92%	200	290	156
Ruby R Reservoir Inflow ²	APR-JUL	50	65	75	97%	87	102	77
	APR-SEP	59	77	89	98%	101	119	91
Big Hole R at Wisdom	APR-JUL	31	74	104	102%	134	178	102
	APR-SEP	32	29	111	103%	142	189	108
Big Hole R nr Melrose	APR-JUL	395	525	615	119%	700	830	515
	APR-SEP	430	565	660	118%	755	895	560
Jefferson R nr Twin Bridges ²	APR-JUL	385	600	745	108%	890	1110	690

Boulder R nr Boulder	APR-SEP	415	640	795	109%	950	1180	730
	APR-JUL	44	60	71	103%	82	98	69
Willow Ck Reservoir Inflow ²	APR-SEP	47	64	76	103%	88	105	74
	APR-JUL	5.4	11.8	16.2	96%	21	27	16.8
Jefferson R nr Three Forks ²	APR-SEP	7	13.9	18.7	97%	23	30	19.3
	APR-JUL	365	590	740	100%	895	1120	740
	APR-SEP	385	635	805	101%	975	1230	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	260	300	330	89%	355	400	370
	APR-SEP	335	385	420	89%	450	500	470
Ennis Reservoir Inflow ²	APR-JUL	400	490	550	88%	610	700	625
	APR-SEP	505	610	680	88%	750	855	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	280	335	375	94%	415	470	400
	APR-SEP	325	390	435	93%	480	545	470
Hyalite Reservoir Inflow ²	APR-JUL	15.6	17.9	19.4	97%	21	23	20
	APR-SEP	18.1	20	22	96%	24	26	23
Gallatin R at Logan	APR-JUL	230	330	400	91%	470	570	440
	APR-SEP	265	375	455	90%	530	645	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	9.5	12.7	15	97%	17.2	20	15.5
	APR-SEP	11.6	15.3	17.8	97%	20	24	18.4
Smith R bl Eagle Ck ²	APR-JUL	54	86	107	101%	128	160	106
	APR-SEP	54	90	115	99%	140	176	116
NF Musselshell R nr Delpine	APR-JUL	1.12	2.4	3.2	94%	4	5.3	3.4

SF Musselshell R ab Martinsdale	APR-SEP	1.43	2.8	3.8	95%	4.8	6.2	4
	APR-JUL	1	18.1	31	89%	44	63	35
Musselshell R at Harlowton ²	APR-SEP	1	20	34	89%	48	68	38
	APR-JUL	-2	24	46	81%	68	101	57
Musselshell R nr Roundup ²	APR-SEP	-2	23	47	80%	71	105	59
	APR-JUL	-23	-1	45	67%	90	158	67
	APR-SEP	-26	-1	44	67%	89	156	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	177	235	275	70%	315	375	395
	APR-SEP	205	265	310	70%	350	415	440
Two Medicine R nr Browning ²	APR-JUL	79	110	131	72%	151	182	183
	APR-SEP	66	118	139	72%	161	192	194
Badger Ck nr Browning	APR-JUL	31	49	61	69%	72	90	88
	APR-SEP	40	59	72	70%	85	104	103
Swift Reservoir Inflow ²	APR-JUL	18.1	30	37	65%	45	57	57
	APR-SEP	25	38	46	69%	55	68	67
Dupuyer Ck nr Valier	APR-JUL	0.1	3.7	6.1	55%	8.6	12.3	11.1
	APR-SEP	0.44	4.4	7	55%	9.7	13.7	12.7
Cut Bank Ck nr Browning	APR-JUL	27	41	51	74%	61	75	69
	APR-SEP	29	44	54	72%	64	79	75
Marias R nr Shelby ²	APR-JUL	54	133	205	59%	275	385	345
	APR-SEP	52	134	210	58%	285	400	360
Teton R nr Dutton	APR-JUL	4.5	12.9	23	55%	41	69	42
	APR-SEP	5.6	13	26	54%	46	75	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	69	78	84	87%	90	99	97
	APR-SEP	83	92	98	88%	104	113	112
St. Mary R nr Babb ²	APR-JUL	245	285	315	85%	345	385	370
	APR-SEP	295	335	365	86%	395	435	425
St. Mary R at Intl Boundary ²	APR-JUL	260	320	360	83%	400	460	435
	APR-SEP	315	375	415	82%	455	515	505

Milk R at Western Crossing of Intl Bndry, AB								
MAR-SEP	11.8	18.9	27	82%	38	54	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	1030	1420	1680	94%	1940	2320	1790
	APR-SEP	1160	1610	1920	93%	2230	2680	2070
Dearborn R nr Craig	APR-JUL	14.7	42	60	67%	78	105	89
	APR-SEP	17.1	45	65	68%	84	112	95
Missouri R at Fort Benton ²	APR-JUL	1370	1920	2290	88%	2660	3200	2610
	APR-SEP	1610	2270	2720	87%	3160	3820	3110
Missouri R nr Virgelle ²	APR-JUL	1480	2100	2520	84%	2940	3550	3000
	APR-SEP	1710	2450	2960	84%	3460	4210	3520
Missouri R nr Landusky ²	APR-JUL	1570	2220	2650	84%	3090	3740	3160
	APR-SEP	1820	2600	3130	84%	3660	4440	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	1480	2180	2660	82%	3140	3840	3240
	APR-SEP	1510	2410	3020	82%	3630	4530	3700
Lake Sakakawea Inflow ²	APR-JUL	3880	5480	6580	79%	7660	9260	8310
	APR-SEP	3990	5970	7320	78%	8660	10600	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-JUL	415	480	520	90%	560	625	575
	APR-SEP	550	630	685	89%	740	820	770
Yellowstone R at Corwin Springs	APR-JUL	1210	1360	1470	92%	1580	1730	1590
	APR-SEP	1410	1590	1720	91%	1850	2030	1880
Yellowstone R at Livingston	APR-JUL	1350	1550	1680	93%	1810	2000	1800
	APR-SEP	1590	1810	1970	92%	2120	2350	2140
Shields R nr Livingston	APR-JUL	47	93	125	97%	157	205	129
	APR-SEP	52	102	137	96%	172	220	143
Boulder R at Big Timber	APR-JUL	179	220	250	89%	275	315	280
	APR-SEP	186	230	265	88%	295	340	300
Mystic Lake Inflow ²	APR-JUL	47	52	55	93%	58	63	59
	APR-SEP	58	65	69	93%	73	80	74

Stillwater R nr Absarokee ²	APR-JUL	305	365	405	91%	445	505	445
	APR-SEP	360	425	470	90%	515	585	520
Clarks Fk Yellowstone R nr Belfry	APR-JUL	375	430	465	91%	500	555	510
	APR-SEP	405	460	500	91%	540	595	550
Cooney Reservoir Inflow	APR-JUL	5.3	17.6	26	68%	34	47	38
	APR-SEP	11.7	25	34	71%	43	56	48
Yellowstone R at Billings	APR-JUL	2150	2620	2930	91%	3250	3710	3230
	APR-SEP	2430	2980	3350	90%	3720	4260	3730

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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	275	640	890	64%	1140	1510	1380
	APR-SEP	193	595	870	60%	1150	1550	1460
Little Bighorn R nr Hardin	APR-JUL	-6.9	22	41	42%	60	89	98
	APR-SEP	-5.6	26	47	42%	68	100	111
Tongue R nr Dayton ²	APR-JUL	14.8	33	46	53%	59	77	86
	APR-SEP	20	40	54	55%	67	87	98
Big Goose Ck nr Sheridan	APR-JUL	5.8	17.2	25	54%	33	44	46
	APR-SEP	12.5	24	32	59%	40	52	54
Little Goose Ck nr Bighorn	APR-JUL	2.3	9.7	14.8	48%	19.8	27	31
	APR-SEP	7	14.9	20	51%	26	34	39
Tongue River Reservoir Inflow ²	APR-JUL	5	51	94	49%	137	200	193
	APR-SEP	5	61	106	49%	151	220	215
Yellowstone R at Miles City ²	APR-JUL	2410	3250	3830	80%	4400	5240	4780
	APR-SEP	2620	3610	4280	79%	4960	5950	5450
Powder R at Moorehead	APR-JUL	1	22	63	36%	104	163	177
	APR-SEP	1	28	70	36%	112	173	196
Powder R nr Locate	APR-JUL	1	15.3	78	39%	142	235	199
	APR-SEP	1	18.7	85	39%	152	250	220
Yellowstone R nr Sidney ²	APR-JUL	2120	3070	3720	77%	4370	5320	4830
	APR-SEP	2150	3280	4050	75%	4820	5950	5430

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