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Streamflow Forecast Summary: June 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	JUN-JUL	33	44	51	88%	58	69	58
	JUN-SEP	40	53	62	87%	71	84	71
Libby Reservoir Inflow ¹	JUN-JUL	2340	2780	2980	92%	3180	3620	3240
	JUN-SEP	2980	3530	3780	91%	4030	4580	4150
Fisher R nr Libby	JUN-JUL	32	44	52	85%	60	72	61
	JUN-SEP	41	55	64	85%	73	87	75
Yaak R nr Troy	JUN-JUL	41	67	85	65%	103	129	130
	JUN-SEP	55	83	103	69%	123	151	150
Kootenai R at Leonia ^{1,2}	JUN-JUL	2560	3160	3420	94%	3690	4290	3640
	JUN-SEP	3330	4060	4380	94%	4710	5430	4640

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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	JUN-JUL	340	445	520	67%	595	700	775
	JUN-SEP	450	570	655	70%	740	860	935
MF Flathead R nr West Glacier	JUN-JUL	300	415	495	66%	575	690	755
	JUN-SEP	400	525	610	69%	695	820	890
Sf Flathead R nr Hungry Horse	JUN-JUL	300	370	420	74%	470	540	565
	JUN-SEP	350	425	480	76%	535	610	635
Hungry Horse Reservoir Inflow ^{1,2}	JUN-JUL	400	575	655	76%	735	910	860
	JUN-SEP	480	670	755	77%	840	1030	980
Flathead R at Columbia Falls ²	JUN-JUL	1150	1480	1700	69%	1920	2250	2460
	JUN-SEP	1460	1820	2070	72%	2320	2680	2890
Ashley Ck nr Marion ²	MAY-JUL	1.48	2.4	3	77%	3.6	4.5	3.9
	JUN-SEP	0.17	0.27	0.55	93%	1.31	2.4	0.59
Swan R nr Bigfork	JUN-JUL	197	225	245	88%	265	295	280
	JUN-SEP	250	285	310	87%	335	370	355
Flathead Lake Inflow ^{1,2}	JUN-JUL	1170	1720	1970	69%	2220	2770	2860
	JUN-SEP	1440	2070	2360	71%	2650	3280	3320
Mill Ck ab Bassoo ck nr Niarada	JUN-JUL	0.46	0.78	1	80%	1.22	1.54	1.25
	JUN-SEP	0.64	0.99	1.23	78%	1.47	1.82	1.58
South Crow Ck nr Ronan	JUN-JUL	4	5	5.7	88%	6.4	7.4	6.5
	JUN-SEP	4.9	6.1	6.9	87%	7.7	8.9	7.9
Mission Ck nr St. Ignatius	JUN-JUL	12.8	14.5	15.6	88%	16.7	18.4	17.7

Bitterroot R nr Missoula	JUN-JUL	10.6	18.6	24	63%	29	37	38
	JUN-SEP	12	20	26	62%	32	40	42
	JUN-JUL	184	260	315	53%	370	445	600
	JUN-SEP	178	265	325	46%	385	470	705

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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	JUN-JUL	510	665	775	65%	885	1040	1200
	JUN-SEP	625	805	930	63%	1050	1240	1470
Clark Fork R at St. Regis ¹	JUN-JUL	570	870	1010	66%	1150	1450	1530
	JUN-SEP	720	1060	1220	65%	1380	1720	1880
Clark Fork R nr Plains ^{1,2}	JUN-JUL	2110	2800	3120	69%	3440	4130	4540
	JUN-SEP	2550	3380	3760	70%	4140	4970	5410
Thompson nr Thompson Falls	JUN-JUL	26	37	44	63%	51	62	70
	JUN-SEP	38	51	60	65%	69	82	93
Prospect Ck at Thompson Falls	JUN-JUL	14.9	18.8	21	60%	24	28	35
	JUN-SEP	21	25	28	65%	31	35	43
Clark Fork R at Whitehorse Rapids ^{1,2}	JUN-JUL	2400	3150	3490	69%	3830	4580	5070
	JUN-SEP	2950	3850	4250	70%	4650	5550	6090

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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	JUN-JUL	6.3	14.5	20	65%	26	34	31
	JUN-SEP	7.4	17.9	25	64%	32	43	39
Clark Canyon Inflow ²	JUN-JUL	-23	3.1	21	60%	39	65	35
	JUN-SEP	-16.4	13.6	34	62%	54	84	55
Beaverhead R at Barretts ²	JUN-JUL	-13	10.5	36	73%	62	100	49
	JUN-SEP	-9	22	56	75%	89	138	75
Ruby R Reservoir Inflow ²	JUN-JUL	20	29	35	85%	41	50	41
	JUN-SEP	31	42	49	88%	56	67	56
Big Hole R at Wisdom	JUN-JUL	3.3	26	41	89%	56	79	46
	JUN-SEP	3.3	29	47	90%	65	91	52
Big Hole R nr Melrose	JUN-JUL	138	205	250	93%	295	360	270
	JUN-SEP	154	235	290	92%	345	425	315
Jefferson R nr Twin Bridges ²	JUN-JUL	85	191	265	83%	335	440	320

Boulder R nr Boulder	JUN-SEP	81	215	305	86%	395	530	355
	JUN-JUL	19.5	26	31	97%	36	42	32
Willow Ck Reservoir Inflow ²	JUN-SEP	21	30	36	97%	42	51	37
	JUN-JUL	4.3	7.4	9.5	91%	11.6	14.7	10.4
Jefferson R nr Three Forks ²	JUN-SEP	4.3	8.5	11.4	91%	14.3	18.5	12.5
	JUN-JUL	96	210	290	82%	365	480	355
	JUN-SEP	109	250	345	83%	440	575	415

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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	JUN-JUL	83	109	126	71%	143	169	178
	JUN-SEP	158	189	210	75%	230	260	280
Ennis Reservoir Inflow ²	JUN-JUL	193	235	260	79%	285	325	330
	JUN-SEP	310	360	395	81%	430	480	485

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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	JUN-JUL	142	177	200	78%	225	260	255
	JUN-SEP	184	225	255	80%	285	325	320
Hyalite Reservoir Inflow ²	JUN-JUL	8.7	10.2	11.2	87%	12.2	13.7	12.9
	JUN-SEP	10.7	12.6	13.9	89%	15.1	17	15.7
Gallatin R at Logan	JUN-JUL	102	155	191	78%	225	280	245
	JUN-SEP	131	200	245	79%	295	365	310

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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	JUN-JUL	4.1	6.3	7.8	96%	9.3	11.5	8.1
	JUN-SEP	5.5	8.5	10.5	96%	12.5	15.5	10.9
Smith R bl Eagle Ck ²	JUN-JUL	21	41	55	102%	69	89	54
	JUN-SEP	21	48	67	103%	85	112	65
NF Musselshell R nr Delpine	JUN-JUL	0.1	0.65	1.8	90%	2.9	4.6	2

SF Musselshell R ab Martinsdale	JUN-SEP	0.1	1.53	2.5	89%	3.5	4.9	2.8
	JUN-JUL	1	7.8	15.4	77%	23	34	20
Musselshell R at Harlowton ²	JUN-SEP	1	9.6	17.7	77%	26	38	23
	JUN-JUL	-9	3.2	21	75%	39	65	28
Musselshell R nr Roundup ²	JUN-SEP	-7	5.1	23	77%	41	67	30
	JUN-JUL	-18.7	6.5	24	71%	41	66	34
	JUN-SEP	-18.4	6.8	24	71%	41	66	34

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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	JUN-JUL	61	93	115	55%	137	169	210
	JUN-SEP	92	127	150	60%	173	210	250
Two Medicine R nr Browning ²	JUN-JUL	32	46	55	67%	64	78	82
	JUN-SEP	39	54	65	69%	76	91	94
Badger Ck nr Browning	JUN-JUL	8.2	18.2	25	54%	32	42	46
	JUN-SEP	17.1	29	37	61%	45	57	61
Swift Reservoir Inflow ²	JUN-JUL	6.3	12.4	16.5	55%	21	27	30
	JUN-SEP	12	19.7	25	61%	30	38	41
Dupuyer Ck nr Valier	JUN-JUL	0.5	1	2.5	46%	5.6	10	5.4
	JUN-SEP	0.5	1.44	3.6	52%	7.2	12.6	6.9
Cut Bank Ck nr Browning	JUN-JUL	15.8	24	29	76%	34	42	38
	JUN-SEP	18.5	27	33	75%	39	47	44
Marias R nr Shelby ²	JUN-JUL	-15	21	65	45%	109	175	143
	JUN-SEP	-15	25	76	48%	127	200	158
Teton R nr Dutton	JUN-JUL	0.4	1.52	3.8	16%	16.4	35	24
	JUN-SEP	0.5	3	7.6	26%	23	45	29

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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	JUN-JUL	34	42	47	84%	52	60	56
	JUN-SEP	46	55	61	86%	67	76	71
St. Mary R nr Babb ²	JUN-JUL	144	175	195	83%	215	245	235
	JUN-SEP	188	225	245	83%	270	305	295
St. Mary R at Intl Boundary ²	JUN-JUL	149	191	220	80%	245	290	275
	JUN-SEP	200	250	280	81%	310	355	345

Milk R at Western Crossing of Intl Bndry, AB

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	JUN-JUL	360	575	725	77%	875	1090	940
	JUN-SEP	465	765	970	80%	1180	1480	1220
Dearborn R nr Craig	JUN-JUL	1	9.5	19.2	48%	29	43	40
	JUN-SEP	1	13.5	25	54%	35	52	46
Missouri R at Fort Benton ²	JUN-JUL	415	770	1010	72%	1250	1610	1410
	JUN-SEP	655	1120	1440	76%	1760	2220	1900
Missouri R nr Virgelle ²	JUN-JUL	470	850	1110	69%	1360	1740	1600
	JUN-SEP	725	1210	1550	73%	1880	2370	2120
Missouri R nr Landusky ²	JUN-JUL	540	920	1170	68%	1430	1810	1710
	JUN-SEP	810	1310	1650	73%	1990	2490	2260
Missouri R bl Fort Peck Dam ²	JUN-JUL	320	795	1110	65%	1440	1910	1710
	JUN-SEP	315	1000	1460	67%	1930	2610	2170
Lake Sakakawea Inflow ²	JUN-JUL	2000	3150	3930	78%	4710	5860	5060
	JUN-SEP	1950	3650	4800	78%	5950	7650	6150

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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	JUN-JUL	300	345	375	81%	405	450	465
	JUN-SEP	415	480	525	80%	570	635	655
Yellowstone R at Corwin Springs	JUN-JUL	600	720	805	77%	890	1010	1040
	JUN-SEP	765	930	1040	78%	1150	1310	1330
Yellowstone R at Livingston	JUN-JUL	670	820	920	78%	1020	1170	1180
	JUN-SEP	865	1060	1190	78%	1320	1520	1520
Shields R nr Livingston	JUN-JUL	1	31	52	84%	72	103	62
	JUN-SEP	1.09	37	62	82%	86	122	76
Boulder R at Big Timber	JUN-JUL	89	116	135	68%	153	180	200
	JUN-SEP	91	125	148	66%	171	205	225
Mystic Lake Inflow ²	JUN-JUL	32	37	40	85%	43	48	47
	JUN-SEP	42	49	53	84%	57	64	63

Stillwater R nr Absarokee ²	JUN-JUL	188	225	250	77%	280	315	325
	JUN-SEP	225	280	315	79%	350	405	400
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	205	245	270	77%	295	335	350
	JUN-SEP	220	270	305	77%	340	390	395
Cooney Reservoir Inflow	JUN-JUL	5.8	12.3	16.8	76%	21	28	22
	JUN-SEP	11.8	19.6	25	81%	30	38	31
Yellowstone R at Billings	JUN-JUL	1050	1390	1630	75%	1860	2200	2170
	JUN-SEP	1240	1700	2020	76%	2330	2790	2660

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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	JUN-JUL	785	970	1090	118%	1220	1400	920
	JUN-SEP	815	1050	1220	121%	1380	1620	1010
Little Bighorn R nr Hardin	JUN-JUL	3.3	20	32	60%	44	61	53
	JUN-SEP	8	28	42	64%	56	76	66
Tongue R nr Dayton ²	JUN-JUL	14	24	30	61%	36	46	49
	JUN-SEP	22	33	41	66%	49	60	62
Big Goose Ck nr Sheridan	JUN-JUL	11.5	16.9	21	68%	24	30	31
	JUN-SEP	18.5	24	28	72%	32	38	39
Little Goose Ck nr Bighorn	JUN-JUL	9.2	12	13.9	73%	15.8	18.5	19.1
	JUN-SEP	14.7	18.5	21	78%	24	28	27
Tongue River Reservoir Inflow ²	JUN-JUL	18	45	63	57%	81	107	110
	JUN-SEP	25	59	81	60%	104	137	134
Yellowstone R at Miles City ²	JUN-JUL	1870	2400	2750	86%	3110	3630	3200
	JUN-SEP	2080	2820	3320	86%	3830	4570	3870
Powder R at Moorehead	JUN-JUL	12.2	45	67	73%	89	121	92
	JUN-SEP	21	60	87	79%	114	153	110
Powder R nr Locate	JUN-JUL	2.3	45	74	73%	103	146	101
	JUN-SEP	4.3	58	95	78%	132	186	122
Yellowstone R nr Sidney ²	JUN-JUL	1720	2340	2760	85%	3180	3790	3240
	JUN-SEP	1780	2650	3240	84%	3830	4700	3840

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