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Streamflow Forecast Summary: April 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	104	123	135	107%	148	166	126
	APR-SEP	113	134	149	106%	163	185	140
Libby Reservoir Inflow ¹	APR-JUL	5160	5760	6040	113%	6310	6920	5340
	APR-SEP	6100	6720	7000	112%	7280	7900	6250
Fisher R nr Libby	APR-JUL	144	173	192	94%	210	240	205
	APR-SEP	155	185	205	93%	225	255	220
Yaak R nr Troy	APR-JUL	365	420	460	110%	500	555	420
	APR-SEP	380	440	480	109%	520	580	440
Kootenai R at Leonia ^{1,2}	APR-JUL	6430	7170	7510	114%	7840	8580	6600
	APR-SEP	7460	8210	8550	113%	8890	9640	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	1360	1490	1570	102%	1650	1770	1540
	APR-SEP	1510	1640	1730	102%	1830	1960	1700
MF Flathead R nr West Glacier	APR-JUL	1190	1320	1410	94%	1490	1620	1500
	APR-SEP	1300	1440	1530	94%	1630	1770	1630
Sf Flathead R nr Hungry Horse	APR-JUL	995	1090	1160	98%	1220	1320	1180
	APR-SEP	1050	1160	1230	98%	1300	1410	1260
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1500	1760	1870	101%	1990	2240	1860
	APR-SEP	1580	1860	1980	100%	2110	2380	1980
Flathead R at Columbia Falls ²	APR-JUL	4300	4690	4950	99%	5220	5610	5020
	APR-SEP	4620	5060	5360	98%	5650	6090	5450
Ashley Ck nr Marion ²	APR	0.99	1.83	2.4	92%	3	3.8	2.6
	APR-JUL	3.6	5	5.9	91%	6.8	8.2	6.5
Swan R nr Bigfork	APR-JUL	470	525	560	108%	595	650	520
	APR-SEP	530	595	635	107%	675	740	595
Flathead Lake Inflow ^{1,2}	APR-JUL	4660	5380	5710	98%	6040	6770	5810
	APR-SEP	4950	5780	6150	98%	6530	7360	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.9	3.7	4.2	105%	4.7	5.5	4
	APR-SEP	3.2	4	4.5	102%	5	5.8	4.4
South Crow Ck nr Ronan	APR-JUL	8.3	9.7	10.7	106%	11.6	13	10.1
	APR-SEP	9.5	11.1	12.2	105%	13.2	14.8	11.6
Mission Ck nr St. Ignatius	APR-JUL	22	25	26	104%	28	30	25

Bitterroot R nr Missoula	APR-JUL	60	67	72	95%	77	84	76
	APR-SEP	63	70	75	95%	81	88	79
	APR-JUL	870	1020	1130	98%	1230	1380	1150
	APR-SEP	940	1110	1220	98%	1330	1500	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	1730	2080	2320	97%	2560	2920	2400
	APR-SEP	1930	2310	2580	97%	2840	3230	2670
Clark Fork R at St. Regis ¹	APR-JUL	2150	2780	3070	97%	3360	3990	3160
	APR-SEP	2420	3100	3410	97%	3720	4410	3510
Clark Fork R nr Plains ^{1,2}								
Thompson nr Thompson Falls								
Prospect Ck at Thompson Falls								
Clark Fork R at Whitehorse Rapids ^{1,2}								

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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	58	68	75	91%	82	92	82
	APR-SEP	61	73	81	91%	89	101	89
Clark Canyon Inflow ²	APR-JUL	29	69	96	95%	123	163	101
	APR-SEP	46	88	117	98%	146	188	120
Beaverhead R at Barretts ²	APR-JUL	24	87	129	100%	171	235	129
	APR-SEP	33	107	157	101%	205	280	156
Ruby R Reservoir Inflow ²	APR-JUL	55	68	77	100%	86	99	77
	APR-SEP	65	80	91	100%	102	117	91
Big Hole R at Wisdom	APR-JUL	43	82	108	106%	134	173	102
	APR-SEP	44	86	115	106%	144	186	108
Big Hole R nr Melrose	APR-JUL	430	520	585	114%	650	740	515
	APR-SEP	465	565	635	113%	705	805	560
Jefferson R nr Twin Bridges ²	APR-JUL	395	590	725	105%	855	1050	690
	APR-SEP	410	635	785	108%	940	1160	730
Boulder R nr Boulder	APR-JUL	54	68	78	113%	88	102	69
	APR-SEP	57	73	84	114%	95	111	74

Willow Ck Reservoir Inflow ²	APR-JUL	11.3	15.9	19	113%	22	27	16.8
	APR-SEP	13.4	18.5	22	114%	25	31	19.3
Jefferson R nr Three Forks ²	APR-JUL	475	675	815	110%	955	1160	740
	APR-SEP	490	720	875	109%	1030	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	280	310	330	89%	350	380	370
	APR-SEP	360	395	420	89%	445	480	470
Ennis Reservoir Inflow ²	APR-JUL	475	545	595	95%	640	710	625
	APR-SEP	600	680	735	95%	790	870	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 Gateway	APR-JUL	305	360	395	99%	430	485	400
	APR-SEP	355	420	460	98%	505	565	470
Hyalite Reservoir Inflow ²	APR-JUL	15.6	17.6	19	95%	20	22	20
	APR-SEP	18.5	21	22	96%	23	25	23
Gallatin R at Logan	APR-JUL	260	355	420	95%	485	580	440
	APR-SEP	300	405	480	95%	555	665	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	10.8	14	16.2	105%	18.4	22	15.5
	APR-SEP	12.6	16.5	19.2	104%	22	26	18.4
Smith R bl Eagle Ck ²	APR-JUL	55	86	107	101%	128	159	106
	APR-SEP	54	91	117	101%	143	180	116
NF Musselshell R nr Delpine	APR-JUL	1.42	2.5	3.3	97%	4.1	5.2	3.4
	APR-SEP	1.76	3	3.9	98%	4.8	6.1	4
SF Musselshell R ab Martinsdale	APR-JUL	8.8	25	36	103%	47	63	35
	APR-SEP	10.4	28	40	105%	52	70	38

Musselshell R at Harlowton²

APR-JUL	5.3	36	56	98%	76	107	57
APR-SEP	2.7	36	58	98%	80	113	59

Musselshell R nr Roundup²

APR-JUL	-23	19.7	62	93%	104	167	67
APR-SEP	-26	19.9	62	94%	104	166	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	158	205	240	61%	275	320	395
	APR-SEP	178	230	270	61%	305	360	440
Two Medicine R nr Browning ²								
	APR-JUL	96	119	135	74%	151	174	183
	APR-SEP	103	127	144	74%	161	185	194
Badger Ck nr Browning								
	APR-JUL	33	46	55	63%	64	77	88
	APR-SEP	42	57	67	65%	77	92	103
Swift Reservoir Inflow ²								
	APR-JUL	15.7	27	34	60%	41	52	57
	APR-SEP	21	33	42	63%	51	63	67
Dupuyer Ck nr Valier								
	APR-JUL	0.09	1.7	4.9	44%	9.7	16.8	11.1
	APR-SEP	0.38	1.9	5.7	45%	11	18.8	12.7
Cut Bank Ck nr Browning								
	APR-JUL	34	46	54	78%	62	74	69
	APR-SEP	37	50	59	79%	68	81	75
Marias R nr Shelby ²								
	APR-JUL	12.3	110	176	51%	240	340	345
	APR-SEP	10.4	109	182	51%	255	360	360
Teton R nr Dutton								
	APR-JUL	1	5.4	15.7	37%	33	59	42
	APR-SEP	1	5.6	19.4	40%	39	67	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	78	86	92	95%	98	106	97
	APR-SEP	90	99	106	95%	113	122	112
St. Mary R nr Babb ²								
	APR-JUL	285	325	350	95%	375	415	370
	APR-SEP	330	375	405	95%	435	480	425
St. Mary R at Intl Boundary ²								
	APR-JUL	315	370	410	94%	450	505	435
	APR-SEP	370	430	470	93%	510	570	505
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

Cooney Reservoir Inflow	APR-JUL	405	455	490	96%	525	575	510
	APR-SEP	435	490	530	96%	570	625	550
Yellowstone R at Billings	APR-JUL	10.5	22	30	79%	38	49	38
	APR-SEP	17.4	30	39	81%	47	60	48
	APR-JUL	2180	2680	3020	93%	3360	3860	3230
	APR-SEP	2450	3060	3470	93%	3880	4490	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	810	1170	1420	103%	1670	2030	1380
	APR-SEP	800	1220	1500	103%	1780	2200	1460
Little Bighorn R nr Hardin	APR-JUL	10.3	35	52	53%	69	94	98
	APR-SEP	15	42	61	55%	80	107	111
Tongue R nr Dayton ²	APR-JUL	26	42	53	62%	64	80	86
	APR-SEP	33	51	63	64%	75	93	98
Big Goose Ck nr Sheridan	APR-JUL	16.1	26	32	70%	38	48	46
	APR-SEP	23	32	39	72%	46	55	54
Little Goose Ck nr Bighorn	APR-JUL	10.4	16.3	20	65%	24	30	31
	APR-SEP	16.2	23	27	69%	31	38	39
Tongue River Reservoir Inflow ²	APR-JUL	25	84	124	64%	164	225	193
	APR-SEP	35	98	140	65%	182	245	215
Yellowstone R at Miles City ²	APR-JUL	2990	3840	4420	92%	5000	5850	4780
	APR-SEP	3210	4290	5030	92%	5770	6850	5450
Powder R at Moorehead	APR-JUL	22	90	137	77%	184	250	177
	APR-SEP	32	103	151	77%	199	270	196
Powder R nr Locate	APR-JUL	17.6	100	156	78%	210	295	199
	APR-SEP	22	110	170	77%	230	320	220
Yellowstone R nr Sidney ²	APR-JUL	2740	3740	4420	92%	5100	6100	4830
	APR-SEP	2810	4080	4940	91%	5800	7070	5430

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