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Streamflow Forecast Summary: April 1, 2015
(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	58	76	89	71%	103	126	126
	APR-SEP	64	85	100	71%	116	143	140
Libby Reservoir Inflow ¹	APR-JUL	4140	4750	5020	94%	5290	5900	5340
	APR-SEP	4980	5600	5880	94%	6160	6780	6250
Fisher R nr Libby	APR-JUL	73	91	105	51%	120	143	205
	APR-SEP	82	101	116	53%	132	156	220
Yaak R nr Troy	APR-JUL	230	280	315	75%	355	415	420
	APR-SEP	240	295	335	76%	375	440	440
Kootenai R at Leonia ^{1,2}	APR-JUL	5090	5820	6160	93%	6490	7230	6600
	APR-SEP	6000	6750	7090	93%	7430	8180	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	1150	1270	1350	88%	1430	1550	1540
	APR-SEP	1270	1410	1500	88%	1600	1730	1700
MF Flathead R nr West Glacier	APR-JUL	1150	1280	1370	91%	1460	1590	1500
	APR-SEP	1240	1380	1480	91%	1580	1720	1630
Sf Flathead R nr Hungry Horse	APR-JUL	995	1090	1160	98%	1220	1320	1180
	APR-SEP	1050	1160	1230	98%	1300	1400	1260
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1500	1750	1870	101%	1990	2240	1860
	APR-SEP	1580	1860	1980	100%	2100	2380	1980
Flathead R at Columbia Falls ²	APR-JUL	4020	4410	4670	93%	4940	5330	5020
	APR-SEP	4350	4790	5080	93%	5380	5820	5450
Ashley Ck nr Marion ²	APR	0.71	1.56	2.1	81%	2.7	3.6	2.6
	APR-JUL	2.9	4.3	5.2	80%	6.2	7.5	6.5
Swan R nr Bigfork	APR-JUL	480	535	570	110%	605	660	520
	APR-SEP	545	605	650	109%	690	755	595
Flathead Lake Inflow ^{1,2}	APR-JUL	4330	5050	5380	93%	5710	6430	5810
	APR-SEP	4610	5440	5820	93%	6190	7020	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.2	3	3.5	88%	4	4.8	4
	APR-SEP	2.5	3.3	3.8	86%	4.3	5.1	4.4
South Crow Ck nr Ronan	APR-JUL	7.9	9.3	10.3	102%	11.2	12.6	10.1
	APR-SEP	9	10.6	11.7	101%	12.8	14.3	11.6
Mission Ck nr St. Ignatius	APR-JUL	22	24	25	100%	27	29	25
	APR-SEP	25	28	30	100%	32	35	30
SF Jocko R nr Arlee								

APR-JUL	655	805	910	79%	1010	1170	1150
APR-SEP	695	860	975	78%	1090	1250	1250

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3) Median value used in place of average

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	1280	1640	1880	78%	2120	2480	2400
	APR-SEP	1420	1810	2080	78%	2340	2730	2670
Clark Fork R at St. Regis ¹	APR-JUL	1580	2210	2500	79%	2780	3410	3160
	APR-SEP	1770	2450	2760	79%	3080	3760	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	6240	7600	8210	89%	8830	10200	9200
	APR-SEP	6770	8310	9000	89%	9700	11200	10100
Thompson nr Thompson Falls	APR-JUL	25	58	80	44%	103	135	181
	APR-SEP	37	72	96	47%	120	155	205
Prospect Ck at Thompson Falls	APR-JUL	33	44	52	51%	60	71	102
	APR-SEP	37	49	57	52%	65	77	110
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	7220	8630	9270	88%	9920	11300	10500
	APR-SEP	7870	9470	10200	89%	10900	12500	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	1	9.4	16.4	20%	23	34	82
	APR-SEP	1	7	15	17%	23	35	89
Clark Canyon Inflow ²	APR-JUL	-16	7	17.5	17%	44	84	101
	APR-SEP	-5	10	25	21%	53	95	120
Beaverhead R at Barretts ²	APR-JUL	15	26	41	32%	83	146	129
	APR-SEP	22	37	56	36%	106	180	156
Ruby R Reservoir Inflow ²	APR-JUL	3.8	17.1	26	34%	35	49	77
	APR-SEP	9.1	25	35	38%	46	62	91
Big Hole R at Wisdom	APR-JUL	17	56	82	80%	108	147	102
	APR-SEP	15.9	58	87	81%	116	158	108
Big Hole R nr Melrose	APR-JUL	285	375	440	85%	505	595	515
	APR-SEP	310	410	480	86%	550	650	560
Jefferson R nr Twin Bridges ²	APR-JUL	86	280	415	60%	550	745	690
	APR-SEP	81	305	455	62%	605	830	730
Boulder R nr Boulder	APR-JUL	23	37	47	68%	57	71	69
	APR-SEP	23	39	50	68%	61	77	74
Willow Ck Reservoir Inflow ²								

Jefferson R nr Three Forks ²	APR-JUL	1	3.1	6.2	37%	9.3	13.9	16.8
	APR-SEP	1	2.8	6.3	33%	9.8	14.9	19.3
	APR-JUL	110	161	300	41%	440	640	740
	APR-SEP	96	146	300	38%	455	680	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	184	215	235	64%	255	285	370
	APR-SEP	250	285	305	65%	330	365	470
Ennis Reservoir Inflow ²	APR-JUL	255	325	375	60%	420	490	625
	APR-SEP	340	420	475	61%	530	615	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	215	270	305	76%	340	395	400
	APR-SEP	255	320	360	77%	405	465	470
Hyalite Reservoir Inflow ²	APR-JUL	15.1	17.2	18.5	93%	19.9	22	20
	APR-SEP	17.6	19.6	21	91%	22	25	23
Gallatin R at Logan	APR-JUL	158	250	315	72%	380	475	440
	APR-SEP	184	295	365	72%	440	550	505

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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	APR-JUL	8.5	11.7	13.9	90%	16.1	19.3	15.5
	APR-SEP	10.1	14	16.7	91%	19.4	23	18.4
Smith R bl Eagle Ck ²	APR-JUL	38	69	90	85%	111	141	106
	APR-SEP	40	77	103	89%	128	166	116
NF Musselshell R nr Delpine	APR-JUL	1	1.94	2.7	79%	3.5	4.6	3.4
	APR-SEP	1.07	2.4	3.2	80%	4.1	5.4	4
SF Musselshell R ab Martinsdale	APR-JUL	1	8.6	19.6	56%	31	47	35
	APR-SEP	1	9.6	22	58%	34	51	38
Musselshell R at Harlowton ²	APR-JUL	-2	12.5	33	58%	53	84	57
	APR-SEP	-2	10.9	33	56%	56	89	59

Musselshell R nr Roundup²

APR-JUL	-23	9	22	33%	64	127	67
APR-SEP	-26	7.6	19.1	29%	61	123	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	205	255	285	72%	320	370	395
	APR-SEP	230	285	320	73%	355	410	440
Two Medicine R nr Browning ²								
	APR-JUL	73	96	112	61%	128	151	183
	APR-SEP	80	104	121	62%	138	162	194
Badger Ck nr Browning								
	APR-JUL	23	36	45	51%	54	67	88
	APR-SEP	30	45	55	53%	65	80	103
Swift Reservoir Inflow ²								
	APR-JUL	12.2	23	30	53%	38	49	57
	APR-SEP	18.2	31	39	58%	48	60	67
Dupuyer Ck nr Valier								
	APR-JUL	0.5	1	1.9	17%	6.7	13.8	11.1
	APR-SEP	1	1.5	2.9	23%	8.2	16	12.7
Cut Bank Ck nr Browning								
	APR-JUL	32	44	52	75%	60	72	69
	APR-SEP	34	47	56	75%	65	78	75
Marias R nr Shelby ²								
	APR-JUL	40	91	157	46%	225	320	345
	APR-SEP	64	88	160	44%	235	340	360
Teton R nr Dutton								
	APR-JUL	5	9	22	52%	40	66	42
	APR-SEP	5	7.6	27	56%	46	74	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	63	71	77	79%	83	91	97
	APR-SEP	75	84	91	81%	98	107	112
St. Mary R nr Babb ²								
	APR-JUL	220	260	285	77%	310	350	370
	APR-SEP	265	310	340	80%	370	415	425
St. Mary R at Intl Boundary ²								
	APR-JUL	225	280	320	74%	360	415	435
	APR-SEP	285	345	385	76%	425	485	505
Milk R at Western Crossing of Intl Bndry, AB								
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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	440	780	1010	56%	1240	1580	1790
	APR-SEP	465	870	1150	56%	1430	1840	2070
Dearborn R nr Craig	APR-JUL	11.2	40	59	66%	79	107	89
	APR-SEP	14.8	45	65	68%	86	116	95
Missouri R at Fort Benton ²	APR-JUL	585	1090	1440	55%	1790	2300	2610
	APR-SEP	685	1310	1740	56%	2170	2800	3110
Missouri R nr Virgelle ²	APR-JUL	635	1230	1630	54%	2030	2620	3000
	APR-SEP	735	1460	1950	55%	2440	3170	3520
Missouri R nr Landusky ²	APR-JUL	645	1240	1650	52%	2060	2650	3160
	APR-SEP	760	1500	2000	54%	2500	3240	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	360	1040	1500	46%	1960	2640	3240
	APR-SEP	225	1100	1690	46%	2280	3160	3700
Lake Sakakawea Inflow ²	APR-JUL	2430	4090	5210	63%	6330	7980	8310
	APR-SEP	2280	4380	5810	62%	7240	9350	9400

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

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	315	370	410	71%	450	505	575
	APR-SEP	410	485	535	69%	585	660	770
Yellowstone R at Corwin Springs	APR-JUL	1060	1230	1350	85%	1460	1630	1590
	APR-SEP	1230	1430	1570	84%	1710	1920	1880
Yellowstone R at Livingston	APR-JUL	1180	1390	1540	86%	1680	1900	1800
	APR-SEP	1370	1620	1800	84%	1970	2230	2140
Shields R nr Livingston	APR-JUL	1	40	67	52%	94	134	129
	APR-SEP	1	43	74	52%	105	150	143
Boulder R at Big Timber	APR-JUL	167	205	235	84%	260	300	280
	APR-SEP	171	215	250	83%	280	330	300
Mystic Lake Inflow ²	APR-JUL	44	48	51	86%	54	58	59
	APR-SEP	55	62	66	89%	70	77	74
Stillwater R nr Absarokee ²	APR-JUL	315	370	410	92%	450	510	445
	APR-SEP	365	435	480	92%	530	595	520
Clarks Fk Yellowstone R nr Belfry	APR-JUL	440	490	525	103%	560	610	510
	APR-SEP	470	525	565	103%	605	660	550
Cooney Reservoir Inflow	APR-JUL	11.8	23	31	82%	39	51	38
	APR-SEP	19	32	40	83%	49	61	48
Yellowstone R at Billings	APR-JUL	1950	2450	2790	86%	3130	3630	3230

APR-SEP	2170	2770	3180	85%	3600	4200	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	280	645	890	64%	1140	1500	1380
	APR-SEP	220	635	920	63%	1200	1620	1460
Little Bighorn R nr Hardin	APR-JUL	39	64	81	83%	98	122	98
	APR-SEP	49	77	95	86%	114	141	111
Tongue R nr Dayton ²	APR-JUL	39	55	66	77%	77	93	86
	APR-SEP	45	63	75	77%	87	105	98
Big Goose Ck nr Sheridan	APR-JUL	19.1	29	35	76%	41	51	46
	APR-SEP	27	36	43	80%	50	59	54
Little Goose Ck nr Bighorn	APR-JUL	13.1	19	23	74%	27	33	31
	APR-SEP	19.2	26	30	77%	34	41	39
Tongue River Reservoir Inflow ²	APR-JUL	31	90	129	67%	169	230	193
	APR-SEP	41	104	146	68%	189	250	215
Yellowstone R at Miles City ²	APR-JUL	2330	3180	3760	79%	4340	5190	4780
	APR-SEP	2430	3510	4250	78%	4990	6070	5450
Powder R at Moorehead	APR-JUL	7.9	77	123	69%	170	240	177
	APR-SEP	21	92	140	71%	188	260	196
Powder R nr Locate	APR-JUL	6	82	138	69%	194	275	199
	APR-SEP	6.3	95	155	70%	215	305	220
Yellowstone R nr Sidney ²	APR-JUL	2030	3030	3710	77%	4390	5390	4830
	APR-SEP	1970	3240	4100	76%	4960	6230	5430

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