

Report Created:
9/30/2014 11:16:52 PM

Streamflow Forecast Summary: April 1, 2012
(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	112	131	143	105%	155	174	136
	APR-SEP	122	144	158	105%	172	194	150
Libby Reservoir Inflow ¹								
Fisher R nr Libby	APR-JUL	205	230	250	109%	270	295	230
	APR-SEP	215	245	265	108%	285	315	245
Yaak R nr Troy	APR-JUL	465	520	560	120%	600	655	465
	APR-SEP	490	550	590	120%	630	690	490
Kootenai R at Leona ^{1,2}	APR-JUL	7280	8010	8350	119%	8690	9420	7040
	APR-SEP	8490	9240	9580	118%	9920	10700	8120

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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	1580	1700	1780	110%	1860	1980	1620
	APR-SEP	1740	1880	1970	109%	2060	2200	1800
MF Flathead R nr West Glacier	APR-JUL	1500	1630	1720	108%	1810	1940	1590
	APR-SEP	1660	1800	1900	109%	2000	2140	1740
Sf Flathead R nr Hungry Horse	APR-JUL	1210	1300	1370	110%	1440	1530	1250
	APR-SEP	1280	1390	1460	110%	1530	1640	1330
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1700	1950	2070	104%	2190	2440	2000
	APR-SEP	1800	2080	2200	104%	2320	2600	2120
Flathead R at Columbia Falls ²	APR-JUL	5100	5490	5750	107%	6010	6400	5350
	APR-SEP	5500	5940	6240	107%	6540	6980	5820
Ashley Ck nr Marion ²	APR	1.38	2.2	2.8	104%	3.4	4.2	2.7
	APR-JUL	5.4	6.8	7.7	107%	8.6	10	7.2
Swan R nr Bigfork	APR-JUL	500	555	590	104%	625	680	565
	APR-SEP	570	635	675	105%	715	780	645
Flathead Lake Inflow ^{1,2}	APR-JUL	5520	6250	6570	106%	6900	7630	6180
	APR-SEP	6000	6820	7200	107%	7580	8400	6700
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	3.9	4.7	5.2	127%	5.7	6.5	4.1
	APR-SEP	4.3	5.1	5.6	127%	6.1	6.9	4.4
South Crow Ck nr Ronan	APR-JUL	8.5	9.9	10.9	108%	11.9	13.3	10.1
	APR-SEP	9.7	11.3	12.4	108%	13.5	15.1	11.5
Mission Ck nr St. Ignatius	APR-JUL	22	24	26	104%	28	30	25
	APR-SEP	26	29	31	103%	33	36	30

SF Jocko R nr Arlee

APR-JUL	30	34	37	123%	40	44	30
APR-SEP	34	39	42	124%	45	50	34

NF Jocko R bl Tabor Feeder Canal

APR-JUL	33	35	37	119%	39	41	31
APR-SEP	35	37	39	118%	41	43	33

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

UPPER CLARK FORK RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Blackfoot nr Garrison	APR-JUL	53	69	80	105%	91	107	76
	APR-SEP	57	75	87	104%	99	117	84
Flint Ck nr Southern Cross	APR-JUL	7.6	11.3	13.8	101%	16.3	20	13.7
	APR-SEP	8.5	13.1	16.3	101%	19.5	24	16.2
Flint Ck bl Boulder Ck	APR-JUL	34	48	58	104%	68	82	56
	APR-SEP	44	61	73	103%	85	102	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	4.5	6.6	8	98%	9.4	11.5	8.2
	APR-JUL	6.4	9.7	12	96%	14.3	17.6	12.5
MF Rock Ck nr Philipsburg	APR-JUL	50	60	66	103%	72	82	64
	APR-SEP	56	67	74	103%	81	92	72
Rock Ck nr Clinton	APR-JUL	215	260	290	107%	320	365	270
	APR-SEP	245	295	330	108%	365	415	305
Clark Fork R ab Milltown	APR-JUL	405	540	630	104%	720	855	605
	APR-SEP	480	630	730	104%	830	980	705
Nevada Ck nr Helmville	APR-MAY	7.3	10.4	12.5	121%	14.6	17.7	10.3
	APR-JUL	12.4	17.5	21	121%	24	30	17.3
Blackfoot R nr Bonner	APR-JUL	685	790	860	107%	930	1040	805
	APR-SEP	760	875	950	107%	1030	1140	890
Clark Fork R ab Missoula	APR-JUL	1130	1350	1500	106%	1650	1870	1410
	APR-SEP	1300	1540	1700	106%	1860	2100	1600

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BITTERROOT RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
WF Bitterroot R Nr Conner ²	APR-JUL	105	130	147	103%	164	189	143
	APR-SEP	116	142	160	102%	178	205	157
Bitterroot R Nr Darby	APR-JUL	345	415	465	101%	515	585	460
	APR-SEP	395	465	515	100%	565	635	515
Como Reservoir Inflow ²	APR-JUL	71	78	83	106%	88	95	78

Bitterroot R nr Missoula	APR-SEP	74	82	87	106%	92	100	82
	APR-JUL	1060	1220	1320	106%	1420	1580	1250
	APR-SEP	1160	1330	1440	105%	1550	1720	1370

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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	2200	2560	2800	105%	3040	3400	2660
	APR-SEP	2470	2860	3120	105%	3380	3770	2960
Clark Fork R at St. Regis ¹	APR-JUL	2940	3570	3860	110%	4150	4780	3520
	APR-SEP	3240	3930	4240	108%	4550	5240	3910
Clark Fork R nr Plains ^{1,2}	APR-JUL	8750	10100	10700	106%	11300	12700	10100
	APR-SEP	9570	11100	11800	106%	12500	14000	11100
Thompson nr Thompson Falls	APR-JUL	180	215	235	115%	255	290	205
	APR-SEP	205	240	265	115%	290	325	230
Prospect Ck at Thompson Falls	APR-JUL	110	121	129	111%	137	148	116
	APR-SEP	117	129	137	110%	145	157	124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	10200	11700	12300	109%	12900	14400	11300
	APR-SEP	11200	12800	13500	108%	14200	15800	12500

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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	67	77	84	88%	91	101	96
	APR-SEP	69	81	89	86%	97	109	104
Clark Canyon Inflow ²	APR-JUL	35	75	102	78%	129	169	131
	APR-SEP	48	90	119	76%	148	190	156
Beaverhead R at Barretts ²	APR-JUL	31	94	136	81%	178	240	168
	APR-SEP	35	109	159	80%	210	285	200
Ruby R Reservoir Inflow ²	APR-JUL	42	56	65	77%	74	88	84
	APR-SEP	52	67	78	77%	89	104	101
Big Hole R at Wisdom	APR-JUL	34	73	99	82%	125	164	121
	APR-SEP	34	76	105	81%	134	176	130
Big Hole R nr Melrose	APR-JUL	365	455	520	85%	585	675	610
	APR-SEP	390	490	560	85%	630	730	660
Jefferson R nr Twin Bridges ²	APR-JUL	320	515	650	83%	785	980	785
	APR-SEP	320	545	695	79%	845	1070	880

Boulder R nr Boulder	APR-JUL	49	63	73	94%	83	97	78
	APR-SEP	52	68	79	93%	90	106	85
Willow Ck Reservoir Inflow ²	APR-JUL	6.8	11.4	14.5	81%	17.6	22	17.9
	APR-SEP	7.6	12.7	16.2	81%	19.7	25	20
Jefferson R nr Three Forks ²	APR-JUL	335	535	675	87%	815	1020	780
	APR-SEP	345	570	725	84%	880	1110	860

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

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	330	360	380	96%	400	430	395
	APR-SEP	425	460	485	96%	510	545	505
Ennis Reservoir Inflow ²	APR-JUL	515	585	635	93%	685	755	680
	APR-SEP	660	740	795	94%	850	930	850

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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	310	365	400	91%	435	490	440
	APR-SEP	365	430	470	91%	510	575	515
Hyalite Reservoir Inflow ²	APR-JUL	17.1	19.1	20	91%	22	24	22
	APR-SEP	19.5	22	23	92%	24	26	25
Gallatin R at Logan	APR-JUL	275	370	435	88%	500	595	495
	APR-SEP	325	435	510	89%	585	695	570

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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	13.1	16.3	18.5	108%	21	24	17.1
	APR-SEP	14.4	18.3	21	105%	24	28	20
Smith R bl Eagle Ck ²	APR-JUL	93	124	145	109%	166	197	133
	APR-SEP	95	132	158	106%	184	220	149
NF Musselshell R nr Delpine	APR-JUL	3.4	4.5	5.3	115%	6.1	7.2	4.6
	APR-SEP	3.9	5.2	6.1	113%	7	8.3	5.4

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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	107	115	121	115%	127	135	105
	APR-SEP	124	133	140	115%	147	156	122
St. Mary R nr Babb ²								
	APR-JUL	385	425	450	117%	475	515	385
	APR-SEP	450	495	525	117%	555	600	450
St. Mary R at Intl Boundary ²								
	APR-JUL	445	500	540	124%	580	635	435
	APR-SEP	525	585	625	121%	665	725	515
Milk R at Western Crossing of Intl Bndry, AB								

Milk R at Eastern Crossing of Intl Bndry	APR-JUL	23	30	34	103%	38	45	33
	APR-SEP	24	32	37	103%	42	50	36
	APR-JUL	19.2	44	61	101%	78	103	60.6
	APR-SEP	25	52	70	101%	89	116	69.2

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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	1210	1550	1780	87%	2010	2350	2050
	APR-SEP	1380	1790	2070	87%	2350	2760	2390
Dearborn R nr Craig	APR-JUL	70	99	118	98%	137	166	121
	APR-SEP	75	106	126	101%	146	177	125
Missouri R at Fort Benton ²	APR-JUL	1680	2260	2660	89%	3060	3640	2990
	APR-SEP	2000	2710	3180	89%	3650	4360	3570
Missouri R nr Virgelle ²	APR-JUL	1970	2640	3100	90%	3560	4230	3450
	APR-SEP	2310	3110	3650	90%	4190	4990	4060
Missouri R nr Landusky ²	APR-JUL	2070	2790	3280	89%	3770	4490	3690
	APR-SEP	2430	3290	3870	89%	4450	5310	4350
Missouri R bl Fort Peck Dam ²	APR-JUL	2150	2870	3370	90%	3870	4590	3740
	APR-SEP	2470	3330	3900	90%	4470	5330	4330
Lake Sakakawea Inflow ²	APR-JUL	4890	6790	8080	83%	9370	11300	9740
	APR-SEP	5550	7780	9260	83%	10700	13000	11200

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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	500	555	595	101%	635	690	590
	APR-SEP	655	730	780	97%	830	905	805
Yellowstone R at Corwin Springs	APR-JUL	1390	1560	1670	101%	1780	1950	1650
	APR-SEP	1600	1810	1950	99%	2090	2300	1970
Yellowstone R at Livingston	APR-JUL	1550	1760	1910	101%	2060	2270	1900
	APR-SEP	1800	2060	2230	98%	2400	2660	2280
Shields R nr Livingston	APR-JUL	49	89	116	80%	143	183	145
	APR-SEP	54	99	130	80%	161	205	162
Boulder R at Big Timber	APR-JUL	210	250	275	96%	300	340	285
	APR-SEP	215	265	295	94%	325	375	315
Mystic Lake Inflow ²	APR-JUL	48	52	55	92%	58	62	60

Stillwater R nr Absarokee ²	APR-SEP	60	67	71	92%	75	82	77
	APR-JUL	335	390	430	87%	470	525	495
Clarks Fk Yellowstone R nr Belfry	APR-SEP	390	460	505	86%	550	620	585
	APR-JUL	475	525	560	104%	595	645	540
Cooney Reservoir Inflow	APR-SEP	515	570	610	103%	650	705	595
Yellowstone R at Billings	APR-JUL	2680	3090	3370	96%	3650	4060	3510
	APR-SEP	2870	3610	3950	96%	4290	5030	4120

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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	590	955	1200	75%	1450	1810	1610
	APR-SEP	540	960	1240	70%	1520	1940	1760
Little Bighorn R nr Hardin	APR-JUL	86	111	128	100%	145	170	128
	APR-SEP	98	125	144	100%	163	190	144
Tongue R nr Dayton ²	APR-JUL	66	82	93	97%	104	120	96
	APR-SEP	76	94	106	97%	118	136	109
Big Goose Ck nr Sheridan	APR-JUL	31	41	47	90%	53	63	52
	APR-SEP	39	48	55	92%	62	71	60
Little Goose Ck nr Bighorn	APR-JUL	22	28	32	94%	36	42	34
	APR-SEP	29	36	40	95%	44	51	42
Tongue River Reservoir Inflow ²	APR-JUL	106	165	205	93%	245	305	220
	APR-SEP	125	188	230	92%	270	335	250
Yellowstone R at Miles City ²	APR-JUL	3500	4190	4660	87%	5130	5820	5360
	APR-SEP	3800	4840	5420	87%	6000	7040	6210
Powder R at Moorehead	APR-JUL	60	128	175	85%	220	290	205
	APR-SEP	78	149	197	86%	245	315	230
Powder R nr Locate	APR-JUL	60	142	198	84%	255	335	235
	APR-SEP	72	160	220	85%	280	370	260
Yellowstone R nr Sidney ²	APR-JUL	3210	4070	4660	85%	5250	6110	5480
	APR-SEP	3720	4620	5360	85%	6100	7000	6280

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