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Streamflow Forecast Summary: March 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	89	110	125	92%	140	161	136
	APR-SEP	97	121	138	92%	155	179	150
Libby Reservoir Inflow ¹								
Fisher R nr Libby	APR-JUL	137	173	198	86%	225	260	230
	APR-SEP	148	185	210	86%	235	270	245
Yaak R nr Troy	APR-JUL	270	345	395	85%	445	520	465
	APR-SEP	280	355	410	84%	465	540	490
Kootenai R at Leonia ^{1,2}	APR-JUL	5750	6490	6830	97%	7170	7910	7040
	APR-SEP	6760	7490	7820	96%	8160	8890	8120

1) 90% and 10% exceedance probabilities are actually 95% and 5%

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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						
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	1430	1560	1640	101%	1730	1860	1620
	APR-SEP	1590	1730	1820	101%	1910	2050	1800
MF Flathead R nr West Glacier	APR-JUL	1320	1470	1570	99%	1670	1820	1590
	APR-SEP	1480	1630	1740	100%	1850	2000	1740
Sf Flathead R nr Hungry Horse	APR-JUL	1040	1150	1220	98%	1290	1400	1250
	APR-SEP	1110	1220	1300	98%	1380	1490	1330
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1400	1650	1760	88%	1880	2130	2000
	APR-SEP	1510	1780	1900	90%	2020	2290	2120
Flathead R at Columbia Falls ²	APR-JUL	4510	4930	5210	97%	5490	5910	5350
	APR-SEP	4900	5360	5660	97%	5970	6430	5820
Ashley Ck nr Marion ²	MAR	0.3	0.77	1.09	103%	1.41	1.88	1.06
	APR-JUL	3.7	5.1	6.1	85%	7.1	8.5	7.2
Swan R nr Bigfork	APR-JUL	455	505	540	96%	575	625	565
	APR-SEP	515	575	615	95%	655	715	645
Flathead Lake Inflow ^{1,2}	APR-JUL	4780	5560	5910	96%	6260	7040	6180
	APR-SEP	5220	6070	6460	96%	6850	7700	6700
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.8	3.7	4.3	105%	4.9	5.8	4.1
	APR-SEP	3	4	4.6	105%	5.2	6.2	4.4
South Crow Ck nr Ronan	APR-JUL	7.7	9.3	10.3	102%	11.3	12.9	10.1
	APR-SEP	8.8	10.5	11.7	102%	12.9	14.6	11.5
Mission Ck nr St. Ignatius	APR-JUL	21	23	25	100%	27	29	25
	APR-SEP	25	28	30	100%	32	35	30
SF Jocko R nr Arlee	APR-JUL	27	32	35	117%	38	43	30

NF Jocko R bl Tabor Feeder Canal	APR-SEP	30	35	39	115%	43	48	34
	APR-JUL	28	31	33	106%	35	38	31
	APR-SEP	30	33	35	106%	37	40	33

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2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
3) Median value used in place of average

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	42	61	74	97%	87	106	76
	APR-SEP	46	67	81	96%	95	116	84
Flint Ck nr Southern Cross	APR-JUL	6.6	10.4	12.9	94%	15.4	19.2	13.7
	APR-SEP	7.3	12	15.2	94%	18.4	23	16.2
Flint Ck bl Boulder Ck	APR-JUL	29	44	54	96%	64	79	56
	APR-SEP	38	56	68	96%	80	98	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	4	6.4	8	98%	9.6	12	8.2
	APR-JUL	5.8	9.6	12.2	98%	14.8	18.6	12.5
MF Rock Ck nr Philipsburg	APR-JUL	45	54	61	95%	68	77	64
	APR-SEP	50	61	68	94%	75	86	72
Rock Ck nr Clinton	APR-JUL	176	230	265	98%	300	355	270
	APR-SEP	205	260	300	98%	340	395	305
Clark Fork R ab Milltown	APR-JUL	315	465	570	94%	675	825	605
	APR-SEP	385	550	665	94%	780	945	705
Nevada Ck nr Helmville	APR-MAY	6.4	9.6	11.8	115%	14	17.2	10.3
	APR-JUL	10.6	16.1	19.9	115%	24	29	17.3
Blackfoot R nr Bonner	APR-JUL	605	720	800	99%	880	995	805
	APR-SEP	675	800	885	99%	970	1090	890
Clark Fork R ab Missoula	APR-JUL	940	1210	1390	99%	1570	1840	1410
	APR-SEP	1090	1370	1570	98%	1770	2050	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	95	123	142	99%	161	189	143
	APR-SEP	101	133	154	98%	175	205	157
Bitterroot R Nr Darby	APR-JUL	310	395	450	98%	505	590	460
	APR-SEP	370	450	505	98%	560	640	515
Como Reservoir Inflow ²	APR-JUL	70	77	82	105%	87	94	78
	APR-SEP	73	81	86	105%	91	99	82
Bitterroot R nr Missoula	APR-JUL	995	1160	1280	102%	1400	1570	1250

APR-SEP	1070	1250	1380	101%	1510	1690	1370
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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	1970	2380	2660	100%	2940	3350	2660
	APR-SEP	2200	2650	2950	100%	3250	3700	2960
Clark Fork R at St. Regis ¹	APR-JUL	2600	3330	3660	104%	3990	4720	3520
	APR-SEP	2850	3630	3990	102%	4340	5120	3910
Clark Fork R nr Plains ^{1,2}	APR-JUL	7620	9130	9820	97%	10500	12000	10100
	APR-SEP	8380	10000	10800	97%	11600	13200	11100
Thompson nr Thompson Falls	APR-JUL	98	135	160	78%	185	220	205
	APR-SEP	114	154	181	79%	210	250	230
Prospect Ck at Thompson Falls	APR-JUL	68	85	96	83%	107	124	116
	APR-SEP	75	91	103	83%	115	131	124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	8580	10200	11000	97%	11800	13400	11300
	APR-SEP	9620	11400	12300	98%	13100	14900	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	28	48	62	65%	76	96	96
	APR-SEP	24	49	65	63%	81	106	104
Clark Canyon Inflow ²	APR-JUL	1.29	52	86	66%	120	171	131
	APR-SEP	8.2	63	101	65%	139	194	156
Beaverhead R at Barretts ²	APR-JUL	42	66	116	69%	166	240	168
	APR-SEP	50	80	138	69%	196	280	200
Ruby R Reservoir Inflow ²	APR-JUL	36	53	65	77%	77	94	84
	APR-SEP	45	65	78	77%	91	111	101
Big Hole R at Wisdom	APR-JUL	33	64	94	78%	124	168	121
	APR-SEP	36	67	100	77%	133	181	130
Big Hole R nr Melrose	APR-JUL	280	400	485	80%	570	690	610
	APR-SEP	300	435	525	80%	615	750	660
Jefferson R nr Twin Bridges ²	APR-JUL	215	440	590	75%	740	965	785
	APR-SEP	215	465	635	72%	805	1060	880
Boulder R nr Boulder	APR-JUL	49	66	77	99%	88	105	78
	APR-SEP	53	71	83	98%	95	113	85
Willow Ck Reservoir Inflow ²	APR-JUL	5	8.6	12.8	72%	17	23	17.9

Jefferson R nr Three Forks ²	APR-SEP	5.5	10	14.4	72%	18.8	25	20
	APR-JUL	220	475	645	83%	815	1070	780
	APR-SEP	220	500	690	80%	880	1160	860

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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	285	325	350	89%	375	415	395
	APR-SEP	370	420	450	89%	480	530	505
Ennis Reservoir Inflow ²	APR-JUL	420	505	560	82%	615	700	680
	APR-SEP	545	645	710	84%	775	875	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	280	340	380	86%	420	480	440
	APR-SEP	325	395	440	85%	485	555	515
Hyalite Reservoir Inflow ²	APR-JUL	17.3	19.5	21	95%	23	25	22
	APR-SEP	20	22	24	96%	26	28	25
Gallatin R at Logan	APR-JUL	250	350	420	85%	490	590	495
	APR-SEP	290	405	485	85%	565	680	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	12.8	16.2	18.5	108%	21	24	17.1
	APR-SEP	14.3	18.3	21	105%	24	28	20
Smith R bl Eagle Ck ²	APR-JUL	89	122	145	109%	168	200	133
	APR-SEP	92	131	158	106%	185	225	149
NF Musselshell R nr Delpine	APR-JUL	3.1	4.3	5.1	111%	5.9	7.1	4.6
	APR-SEP	3.6	5	5.9	109%	6.8	8.2	5.4
SF Musselshell R ab Martinsdale	APR-JUL	12.2	28	38	73%	48	64	52
	APR-SEP	13.5	30	41	73%	52	68	56
Musselshell R at Harlowton ²	APR-JUL	15.9	50	74	96%	98	132	77
	APR-SEP	12.1	49	74	91%	99	136	81
Musselshell R nr Roundup ²								

APR-JUL	30	48	93	94%	138	205	99
APR-SEP	30	44	89	87%	134	200	102

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

SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL	335	400	440	96%	480	545	460
	APR-SEP	370	435	480	95%	525	590	505
Two Medicine R nr Browning ²	APR-JUL	144	170	187	91%	205	230	205
	APR-SEP	153	180	198	92%	215	245	215
Badger Ck nr Browning	APR-JUL	64	80	90	105%	100	116	86
	APR-SEP	69	86	98	103%	110	127	95
Swift Reservoir Inflow ²	APR-JUL	42	54	62	97%	70	82	64
	APR-SEP	52	65	74	96%	83	96	77
Dupuyer Ck nr Valier	APR-JUL	1.4	8.6	13.5	96%	18.4	26	14
	APR-SEP	2	10	15.4	98%	21	29	15.7
Cut Bank Ck nr Browning	APR-JUL	48	62	72	94%	82	96	77
	APR-SEP	52	68	78	93%	88	104	84
Marias R nr Shelby ²	APR-JUL	215	325	395	95%	465	575	415
	APR-SEP	205	315	395	90%	475	585	440
Teton R nr Dutton	APR-JUL	10.8	39	58	114%	77	105	51
	APR-SEP	14.9	45	66	112%	87	117	59

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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	87	96	102	97%	108	117	105
	APR-SEP	100	110	117	96%	124	134	122
St. Mary R nr Babb ²	APR-JUL	315	355	380	99%	405	445	385
	APR-SEP	370	410	440	98%	470	510	450
St. Mary R at Intl Boundary ²	APR-JUL	345	405	445	102%	485	545	435
	APR-SEP	410	475	515	100%	555	620	515
Milk R at Western Crossing of Intl Bndry, AB	MAR-JUL	17.7	31	40	98%	49	62	41
	MAR-SEP	17.6	32	42	98%	52	66	43
	APR-JUL	14.2	25	33	100%	41	52	33
	APR-SEP	14.3	27	35	97%	43	56	36
Milk R at Eastern Crossing of Intl Bndry	MAR-JUL	22	58	82	98%	106	142	83.3
	MAR-SEP	23	61	87	99%	113	151	87.7
	APR-JUL	14.5	41	59	97%	77	104	60.6
	APR-SEP	17.9	46	65	94%	84	112	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	955	1370	1650	80%	1930	2340	2050
	APR-SEP	1100	1580	1910	80%	2240	2720	2390
Dearborn R nr Craig	APR-JUL	58	86	106	88%	126	154	121
	APR-SEP	63	93	114	91%	135	165	125
Missouri R at Fort Benton ²	APR-JUL	1500	2080	2480	83%	2880	3460	2990
	APR-SEP	1790	2500	2970	83%	3440	4160	3570
Missouri R nr Virgelle ²	APR-JUL	1800	2470	2930	85%	3390	4060	3450
	APR-SEP	2090	2900	3440	85%	3980	4790	4060
Missouri R nr Landusky ²	APR-JUL	1740	2460	2950	80%	3440	4160	3690
	APR-SEP	2020	2890	3470	80%	4050	4920	4350
Missouri R bl Fort Peck Dam ²	APR-JUL	1810	2530	3030	81%	3530	4250	3740
	APR-SEP	2070	2940	3510	81%	4080	4950	4330
Lake Sakakawea Inflow ²	APR-JUL	5670	7570	8860	91%	10200	12000	9740
	APR-SEP	6530	8720	10200	91%	11700	13900	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	490	560	605	103%	650	720	590
	APR-SEP	645	735	795	99%	855	945	805
Yellowstone R at Corwin Springs	APR-JUL	1360	1550	1670	101%	1790	1980	1650
	APR-SEP	1580	1800	1950	99%	2100	2320	1970
Yellowstone R at Livingston	APR-JUL	1520	1750	1910	101%	2070	2300	1900
	APR-SEP	1770	2040	2230	98%	2420	2690	2280
Shields R nr Livingston	APR-JUL	46	91	122	84%	153	198	145
	APR-SEP	51	102	136	84%	170	220	162
Boulder R at Big Timber	APR-JUL	205	250	280	98%	310	355	285
	APR-SEP	220	270	305	97%	340	390	315
Mystic Lake Inflow ²	APR-JUL	47	52	56	93%	60	65	60
	APR-SEP	59	66	71	92%	76	83	77
Stillwater R nr Absarokee ²	APR-JUL	330	390	435	88%	480	540	495
	APR-SEP	390	465	515	88%	565	640	585
Clarks Fk Yellowstone R nr Belfry	APR-JUL	460	520	560	104%	600	660	540
	APR-SEP	500	565	610	103%	655	720	595

Cooney Reservoir Inflow

Yellowstone R at Billings

APR-JUL	2610	3080	3400	97%	3720	4190	3510
APR-SEP	2920	3610	3990	97%	4370	5070	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	1030	1400	1660	103%	1920	2290	1610
	APR-SEP	1090	1510	1800	102%	2090	2510	1760
Little Bighorn R nr Hardin	APR-JUL	108	136	155	121%	174	200	128
	APR-SEP	123	154	175	122%	196	225	144
Tongue R nr Dayton ²	APR-JUL	83	101	114	119%	127	145	96
	APR-SEP	94	114	128	117%	142	162	109
Big Goose Ck nr Sheridan	APR-JUL	44	55	63	121%	71	82	52
	APR-SEP	52	64	72	120%	80	92	60
Little Goose Ck nr Bighorn	APR-JUL	31	38	43	126%	48	55	34
	APR-SEP	39	47	52	124%	57	65	42
Tongue River Reservoir Inflow ²	APR-JUL	170	235	280	127%	325	390	220
	APR-SEP	194	265	310	124%	355	425	250
Yellowstone R at Miles City ²	APR-JUL	3790	4630	5200	97%	5770	6610	5360
	APR-SEP	4380	5350	6010	97%	6670	7630	6210
Powder R at Moorehead	APR-JUL	156	225	270	132%	315	385	205
	APR-SEP	177	245	295	128%	345	415	230
Powder R nr Locate	APR-JUL	175	255	310	132%	365	445	235
	APR-SEP	190	275	335	129%	395	480	260
Yellowstone R nr Sidney ²	APR-JUL	3930	4880	5530	101%	6180	7130	5480
	APR-SEP	4690	5560	6340	101%	7120	7980	6280

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