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Streamflow Forecast Summary: March 1, 2013
(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	83	104	119	94%	134	155	126
	APR-SEP	90	114	131	94%	148	172	140
Libby Reservoir Inflow ¹								
Fisher R nr Libby	APR-JUL	110	146	171	83%	196	230	205
	APR-SEP	121	158	183	83%	210	245	220
Yaak R nr Troy	APR-JUL	295	370	420	100%	470	545	420
	APR-SEP	310	385	440	100%	495	570	440
Kootenai R at Leona ^{1,2}	APR-JUL	5480	6220	6560	99%	6900	7640	6600
	APR-SEP	6440	7180	7510	99%	7840	8580	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	1370	1490	1580	103%	1670	1790	1540
	APR-SEP	1510	1650	1740	102%	1830	1970	1700
MF Flathead R nr West Glacier	APR-JUL	1360	1510	1610	107%	1710	1860	1500
	APR-SEP	1490	1640	1750	107%	1860	2010	1630
Sf Flathead R nr Hungry Horse	APR-JUL	1070	1180	1250	106%	1320	1430	1180
	APR-SEP	1140	1250	1330	106%	1410	1520	1260
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1640	1890	2000	108%	2110	2360	1860
	APR-SEP	1740	2010	2130	108%	2250	2520	1980
Flathead R at Columbia Falls ²	APR-JUL	4610	5030	5310	106%	5590	6010	5020
	APR-SEP	5000	5450	5760	106%	6070	6520	5450
Ashley Ck nr Marion ²	MAR	0.43	0.9	1.22	103%	1.54	2	1.19
	APR-JUL	3.9	5.3	6.3	97%	7.3	8.7	6.5
Swan R nr Bigfork	APR-JUL	415	465	500	96%	535	585	520
	APR-SEP	470	530	570	96%	610	670	595
Flathead Lake Inflow ^{1,2}	APR-JUL	5010	5790	6140	106%	6490	7270	5810
	APR-SEP	5390	6240	6630	106%	7020	7870	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	1.57	2.5	3.1	78%	3.7	4.6	4
	APR-SEP	1.83	2.8	3.4	77%	4	5	4.4
South Crow Ck nr Ronan	APR-JUL	7.2	8.8	9.8	97%	10.8	12.4	10.1
	APR-SEP	8.3	10	11.2	97%	12.4	14.1	11.6
Mission Ck nr St. Ignatius	APR-JUL	21	23	25	100%	27	29	25
	APR-SEP	24	27	29	97%	31	34	30

SF Jocko R nr Arlee

APR-JUL	21	26	29	88%	32	37	33
APR-SEP	24	29	33	89%	37	42	37

NF Jocko R bl Tabor Feeder Canal

APR-JUL	24	27	29	94%	31	34	31
APR-SEP	25	28	30	91%	32	35	33

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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

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	30	49	62	89%	75	94	70
	APR-SEP	34	55	69	90%	83	104	77
Flint Ck nr Southern Cross	APR-JUL	5.3	9.1	11.6	94%	14.1	17.9	12.4
	APR-SEP	5.7	10.4	13.6	93%	16.8	22	14.6
Flint Ck bl Boulder Ck	APR-JUL	24	39	49	94%	59	74	52
	APR-SEP	33	51	63	95%	75	93	66
Lower Willow Ck Reservoir Inflow ²	APR-MAY	2.5	5	6.6	90%	8.2	10.7	7.3
	APR-JUL	3.4	7.3	9.9	93%	12.5	16.4	10.6
MF Rock Ck nr Philipsburg	APR-JUL	35	44	51	88%	58	67	58
	APR-SEP	40	51	58	89%	65	76	65
Rock Ck nr Clinton	APR-JUL	126	179	215	86%	250	305	250
	APR-SEP	153	210	250	89%	290	345	280
Clark Fork R ab Milltown	APR-JUL	200	350	455	86%	560	710	530
	APR-SEP	265	430	545	89%	660	825	615
Nevada Ck nr Helmville	APR-MAY	1.06	4.3	6.5	77%	8.7	11.9	8.4
	APR-JUL	1.99	7.5	11.3	80%	15.1	21	14.2
Blackfoot R nr Bonner	APR-JUL	385	500	580	81%	660	775	720
	APR-SEP	440	565	650	81%	735	860	800
Clark Fork R ab Missoula	APR-JUL	590	860	1040	83%	1220	1490	1250
	APR-SEP	715	1000	1200	85%	1400	1680	1420

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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	55	83	102	80%	121	149	128
	APR-SEP	58	90	111	80%	132	164	139
Bitterroot R Nr Darby	APR-JUL	192	275	330	80%	385	470	410
	APR-SEP	255	335	390	83%	445	525	470
Como Reservoir Inflow ²	APR-JUL	55	62	67	88%	72	79	76

Bitterroot R nr Missoula	APR-SEP	57	65	70	89%	75	83	79
	APR-JUL	670	840	955	83%	1070	1240	1150
	APR-SEP	740	925	1050	84%	1180	1360	1250

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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	1300	1710	1990	83%	2270	2680	2400
	APR-SEP	1490	1940	2240	84%	2540	2990	2670
Clark Fork R at St. Regis ¹	APR-JUL	1580	2310	2640	84%	2970	3700	3160
	APR-SEP	1840	2620	2970	85%	3320	4100	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	6870	8390	9080	99%	9770	11300	9200
	APR-SEP	7530	9190	9950	99%	10700	12400	10100
Thompson nr Thompson Falls	APR-JUL	83	120	145	80%	170	205	181
	APR-SEP	99	139	166	81%	193	235	205
Prospect Ck at Thompson Falls	APR-JUL	54	71	82	80%	93	110	102
	APR-SEP	60	76	88	80%	100	116	110
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	7880	9540	10300	98%	11100	12700	10500
	APR-SEP	8640	10500	11300	98%	12100	14000	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	40	60	74	90%	88	108	82
	APR-SEP	38	63	79	89%	95	120	89
Clark Canyon Inflow ²	APR-JUL	9.3	60	94	93%	128	179	101
	APR-SEP	20	75	113	94%	151	205	120
Beaverhead R at Barretts ²	APR-JUL	4	77	127	98%	177	250	129
	APR-SEP	8.6	95	153	98%	210	295	156
Ruby R Reservoir Inflow ²	APR-JUL	39	56	68	88%	80	97	77
	APR-SEP	48	68	81	89%	94	114	91
Big Hole R at Wisdom	APR-JUL	13.8	58	88	86%	118	162	102
	APR-SEP	13.2	61	94	87%	127	175	108
Big Hole R nr Melrose	APR-JUL	215	335	420	82%	505	625	515
	APR-SEP	240	375	465	83%	555	690	560
Jefferson R nr Twin Bridges ²	APR-JUL	189	415	565	82%	715	940	690
	APR-SEP	178	430	600	82%	770	1020	730

Boulder R nr Boulder	APR-JUL	32	49	60	87%	71	88	69
	APR-SEP	34	52	64	86%	76	94	74
Willow Ck Reservoir Inflow ²	APR-JUL	3.4	9.5	13.7	82%	17.9	24	16.8
	APR-SEP	5	11.4	15.8	82%	20	27	19.3
Jefferson R nr Three Forks ²	APR-JUL	189	445	615	83%	785	1040	740
	APR-SEP	195	475	665	83%	855	1140	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	265	305	330	89%	355	395	370
	APR-SEP	350	400	430	91%	460	510	470
Ennis Reservoir Inflow ²	APR-JUL	410	495	550	88%	605	690	625
	APR-SEP	530	630	695	90%	760	860	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	290	350	390	98%	430	490	400
	APR-SEP	340	410	455	97%	500	570	470
Hyalite Reservoir Inflow ²	APR-JUL	15.6	17.8	19.3	97%	21	23	20
	APR-SEP	18.1	20	22	96%	24	26	23
Gallatin R at Logan	APR-JUL	250	350	420	95%	490	590	440
	APR-SEP	290	405	485	96%	565	680	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	10.5	13.9	16.2	105%	18.5	22	15.5
	APR-SEP	12.4	16.4	19.1	104%	22	26	18.4
Smith R bl Eagle Ck ²	APR-JUL	56	89	112	106%	135	168	106
	APR-SEP	58	97	124	107%	151	190	116
NF Musselshell R nr Delpine	APR-JUL	2.3	3.5	4.3	100%	5.1	6.3	4.3
	APR-SEP	2.8	4.1	5	100%	5.9	7.2	5.01

	MAR-JUL	6.4	22	32	86%	42	58	37
	MAR-SEP	5.8	23	34	87%	45	62	39
	APR-JUL	4.2	17.8	27	87%	36	50	31
	APR-SEP	3.6	18.7	29	88%	39	54	33
Milk R at Eastern Crossing of Intl Bndry								
	MAR-JUL	1	35	62	111%	89	129	56
	MAR-SEP	10	40	70	111%	100	144	63
	APR-JUL	1.5	27	50	111%	73	106	45
	APR-SEP	10	35	61	111%	87	125	55

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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	915	1330	1610	90%	1890	2300	1790
	APR-SEP	1060	1540	1870	90%	2200	2680	2070
Dearborn R nr Craig	APR-JUL	34	62	82	92%	102	130	89
	APR-SEP	38	68	89	94%	110	140	95
Missouri R at Fort Benton ²	APR-JUL	1310	1920	2330	89%	2740	3350	2610
	APR-SEP	1570	2300	2790	90%	3280	4010	3110
Missouri R nr Virgelle ²	APR-JUL	1510	2210	2690	90%	3170	3870	3000
	APR-SEP	1750	2580	3150	89%	3720	4550	3520
Missouri R nr Landusky ²	APR-JUL	1630	2360	2850	90%	3340	4070	3160
	APR-SEP	1880	2750	3340	90%	3930	4800	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	1560	2360	2900	90%	3440	4240	3240
	APR-SEP	1580	2580	3260	88%	3940	4940	3700
Lake Sakakawea Inflow ²	APR-JUL	4100	5940	7190	87%	8440	10300	8310
	APR-SEP	4220	6510	8060	86%	9610	11900	9400

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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	385	455	500	87%	545	615	575
	APR-SEP	510	600	660	86%	720	810	770
Yellowstone R at Corwin Springs	APR-JUL	1130	1320	1440	91%	1560	1750	1590
	APR-SEP	1310	1530	1680	89%	1830	2050	1880
Yellowstone R at Livingston	APR-JUL	1250	1480	1640	91%	1800	2030	1800
	APR-SEP	1460	1730	1920	90%	2110	2380	2140
Shields R nr Livingston	APR-JUL	15.6	61	92	71%	123	168	129
	APR-SEP	16.2	67	101	71%	135	186	143
Boulder R at Big Timber								

Mystic Lake Inflow ²	APR-JUL	196	240	270	96%	300	345	280
	APR-SEP	205	255	290	97%	325	375	300
Stillwater R nr Absarokee ²	APR-JUL	42	47	51	86%	55	60	59
	APR-SEP	53	60	65	88%	70	77	74
Clarks Fk Yellowstone R nr Belfry	APR-JUL	285	345	390	88%	435	495	445
	APR-SEP	335	410	460	88%	510	585	520
Cooney Reservoir Inflow	APR-JUL	355	415	455	89%	495	555	510
	APR-SEP	385	450	495	90%	540	605	550
Yellowstone R at Billings	APR-JUL	7.6	20	29	76%	38	50	38.3
	APR-SEP	14.6	29	38	79%	47	61	48
	APR-JUL	1910	2470	2850	88%	3230	3790	3230
	APR-SEP	2160	2820	3270	88%	3720	4380	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	465	845	1100	80%	1360	1730	1380
	APR-SEP	450	875	1160	79%	1450	1870	1460
Little Bighorn R nr Hardin	APR-JUL	30	58	77	79%	96	124	98
	APR-SEP	37	68	89	80%	110	141	111
Tongue R nr Dayton ²	APR-JUL	42	60	73	85%	86	104	86
	APR-SEP	50	70	84	86%	98	118	98
Big Goose Ck nr Sheridan	APR-JUL	15.5	27	35	76%	43	54	46
	APR-SEP	23	35	43	80%	51	63	54
Little Goose Ck nr Bighorn	APR-JUL	13	20	25	81%	30	37	31
	APR-SEP	18.9	27	32	82%	37	45	39
Tongue River Reservoir Inflow ²	APR-JUL	35	101	145	75%	189	255	193
	APR-SEP	49	118	165	77%	210	280	215
Yellowstone R at Miles City ²	APR-JUL	2440	3400	4050	85%	4700	5660	4780
	APR-SEP	2700	3840	4610	85%	5380	6520	5450
Powder R at Moorehead	APR-JUL	43	111	157	89%	205	270	177
	APR-SEP	60	130	178	91%	225	295	196
Powder R nr Locate	APR-JUL	42	122	177	89%	230	310	199
	APR-SEP	55	141	200	91%	260	345	220
Yellowstone R nr Sidney ²	APR-JUL	2220	3320	4060	84%	4800	5900	4830
	APR-SEP	2340	3640	4530	83%	5420	6720	5430

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