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Streamflow Forecast Summary: February 1, 2008
(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	88	108	122	90%	136	156	136
	APR-SEP	98	120	135	90%	150	172	150
Libby Reservoir Inflow ¹	APR-JUL	4430	5080	5380	95%	5680	6330	5640
	APR-SEP	5280	6000	6330	95%	6660	7380	6640
Fisher R nr Libby	APR-JUL	129	174	205	89%	235	280	230
	APR-SEP	142	188	220	90%	250	300	245
Yaak R nr Troy	APR-JUL	380	425	460	99%	495	540	465
	APR-SEP	405	450	485	99%	520	565	490
Kootenai R at Leonia ^{1,2}	APR-JUL	5840	6510	6820	97%	7130	7800	7040
	APR-SEP	6760	7520	7870	97%	8220	8980	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	1280	1440	1540	95%	1640	1800	1620
	APR-SEP	1450	1600	1710	95%	1820	1970	1800
MF Flathead R nr West Glacier	APR-JUL	1230	1380	1490	94%	1600	1750	1590
	APR-SEP	1360	1520	1630	94%	1740	1900	1740
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1510	1750	1860	93%	1970	2210	2000
	APR-SEP	1610	1860	1970	93%	2080	2330	2120
Flathead R at Columbia Falls ²	APR-JUL	4310	4710	4980	93%	5250	5650	5350
	APR-SEP	4720	5130	5410	93%	5690	6100	5820
Ashley Ck nr Marion ²	MAR			0.6	57%			1.06
	APR-JUL	2.2	3.9	5	69%	6.1	7.8	7.2
Swan R nr Bigfork	APR-JUL	405	470	510	90%	550	615	565
	APR-SEP	470	535	580	90%	625	690	645
Flathead Lake Inflow ^{1,2}	APR-JUL	5290	5610	5750	93%	5890	6210	6180
	APR-SEP	5740	6080	6230	93%	6380	6720	6700
Mill Ck ab Bassoo ck nr Niarada								
South Crow Ck nr Ronan								
Mission Ck nr St. Ignatius								
SF Jocko R nr Arlee								
NF Jocko R bl Tabor Feeder Canal								

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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	32	55	60	79%	85	108	76
	APR-SEP	37	61	70	83%	93	117	84
Flint Ck nr Southern Cross	APR-JUL	6.9	10.5	13	95%	15.5	19.1	13.7
	APR-SEP	6.6	11.8	15.4	95%	19	24	16.2
Flint Ck bl Boulder Ck	APR-JUL	30	44	50	89%	62	76	56
	APR-SEP	39	56	67	94%	78	95	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	2.9	5.4	7	85%	8.6	11.1	8.2
	APR-JUL	3.8	7.9	10.6	85%	13.3	17.4	12.5
MF Rock Ck nr Philipsburg	APR-JUL	41	51	58	91%	65	75	64
	APR-SEP	47	58	65	90%	72	83	72
Rock Ck nr Clinton	APR-JUL	136	189	225	83%	260	315	270
	APR-SEP	152	210	250	82%	290	350	305
Clark Fork R ab Milltown	APR-JUL	365	460	525	87%	590	685	605
	APR-SEP	425	535	610	87%	685	795	705
Nevada Ck nr Helmville	APR-MAY	4.7	7.4	8.7	84%	11.2	13.9	10.3
	APR-JUL	8.4	12.6	14.5	84%	18.4	23	17.3
Blackfoot R nr Bonner	APR-JUL	480	610	700	87%	790	920	805
	APR-SEP	550	685	780	88%	875	1010	890
Clark Fork R ab Missoula	APR-JUL	990	1130	1230	87%	1330	1470	1410
	APR-SEP	1150	1300	1390	87%	1520	1670	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	88	113	135	94%	147	172	143
	APR-SEP	101	129	148	94%	167	195	157
Bitterroot R Nr Darby	APR-JUL	295	370	420	91%	470	545	460
	APR-SEP	345	420	470	91%	520	595	515
Como Reservoir Inflow ²	APR-JUL	63	70	75	96%	80	87	78
	APR-SEP	67	74	79	96%	84	91	82
Bitterroot R nr Missoula	APR-JUL	1060	1160	1230	98%	1300	1400	1250
	APR-SEP	1030	1220	1340	98%	1460	1650	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	2270	2380	2460	92%	2540	2650	2660
	APR-SEP	2540	2660	2740	93%	2820	2940	2960
Clark Fork R at St. Regis ¹	APR-JUL	3090	3240	3310	94%	3380	3530	3520
	APR-SEP	3450	3610	3680	94%	3750	3910	3910
Clark Fork R nr Plains ^{1,2}	APR-JUL	8930	9180	9290	92%	9400	9650	10100
	APR-SEP	9800	10100	10200	92%	10300	10600	11100
Thompson nr Thompson Falls	APR-JUL	109	151	180	88%	210	250	205
	APR-SEP	131	175	205	89%	235	280	230
Prospect Ck at Thompson Falls	APR-JUL	79	97	110	95%	123	141	116
	APR-SEP	86	105	118	95%	131	150	124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	9740	10200	10400	92%	10600	11100	11300
	APR-SEP	10600	11200	11400	91%	11600	12200	12500

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

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	71	92	107	111%	122	143	96
	APR-SEP	75	100	117	113%	134	159	104
Clark Canyon Inflow ²	APR-JUL	53	102	145	111%	195	285	131
	APR-SEP	70	128	176	113%	230	330	156
Beaverhead R at Barretts ²	APR-JUL	69	138	184	110%	230	300	168
	APR-SEP	87	166	220	110%	275	355	200
Ruby R Reservoir Inflow ²	APR-JUL	52	67	79	94%	92	112	84
	APR-SEP	63	81	94	93%	108	131	101
Big Hole R at Wisdom	APR-JUL	53	86	113	93%	143	195	121
	APR-SEP	57	92	121	93%	154	210	130
Big Hole R nr Melrose	APR-JUL	385	500	585	96%	675	825	610
	APR-SEP	415	540	630	95%	730	890	660
Jefferson R nr Twin Bridges ²	APR-JUL	460	655	785	100%	915	1110	785
	APR-SEP	475	695	845	96%	995	1210	880
Boulder R nr Boulder	APR-JUL	26	42	53	68%	64	80	78
	APR-SEP	28	45	57	67%	69	86	85
Willow Ck Reservoir Inflow ²	APR-JUL	5.7	9.3	14.3	80%	19.3	27	17.9

Jefferson R nr Three Forks ²	APR-SEP	7.8	12.7	16	80%	19.3	24	20
	APR-JUL	290	545	720	92%	895	1150	780
	APR-SEP	360	645	840	98%	1030	1320	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	355	400	435	112%	470	525	390
	APR-SEP	450	510	550	110%	595	660	500
Ennis Reservoir Inflow ²	APR-JUL	610	695	750	110%	805	890	680
	APR-SEP	740	845	920	108%	995	1100	850

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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	390	445	485	110%	525	580	440
	APR-SEP	455	520	565	110%	610	675	515
Hyalite Reservoir Inflow ²	APR-JUL	18.7	21	23	105%	25	28	22
	APR-SEP	21	24	26	104%	28	31	25
Gallatin R at Logan	APR-JUL	360	460	530	107%	600	700	495
	APR-SEP	420	535	615	108%	695	810	570

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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	9	12.1	14.4	84%	16.9	21	17.1
	APR-SEP	11	14.5	17.1	86%	19.9	24	20
Smith R bl Eagle Ck ²	APR-JUL	37	64	87	65%	113	157	133
	APR-SEP	44	74	99	66%	128	177	149
NF Musselshell R nr Delpine	APR-JUL	1.64	2.5	3.2	70%	4	5.3	4.6
	APR-SEP	1.92	2.9	3.7	69%	4.6	6.1	5.4
SF Musselshell R ab Martinsdale	APR-JUL	15.6	28	38	73%	50	70	52
	APR-SEP	17	30	41	73%	54	75	56
Musselshell R at Harlowton ²	APR-JUL	20	26	51	66%	76	113	77

MAR-JUL	23	39	66	80%	93	124	83
MAR-SEP	24	44	72	82%	100	136	88
APR-JUL	19.6	29	49	80%	69	98	61
APR-SEP	22	35	56	81%	77	107	69

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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	1540	1940	2210	108%	2480	2880	2050
	APR-SEP	1790	2250	2570	108%	2890	3350	2390
Dearborn R nr Craig	APR-JUL	51	83	104	86%	125	157	121
	APR-SEP	55	88	110	88%	132	165	125
Missouri R at Fort Benton ²	APR-JUL	2290	2830	3200	107%	3570	4110	2990
	APR-SEP	2640	3390	3830	107%	4270	5020	3570
Missouri R nr Virgelle ²	APR-JUL	2770	3380	3800	110%	4220	4830	3450
	APR-SEP	2930	3980	4480	110%	4980	5630	4060
Missouri R nr Landusky ²	APR-JUL	2920	3530	3950	107%	4370	4980	3690
	APR-SEP	3210	4160	4660	107%	5160	6100	4350
Missouri R bl Fort Peck Dam ²	APR-JUL	2990	3640	4080	109%	4520	5170	3740
	APR-SEP	3300	4180	4740	109%	5300	6180	4330
Lake Sakakawea Inflow ²	APR-JUL	7350	8770	9740	100%	10700	12100	9740
	APR-SEP	8100	9960	11200	100%	12400	14300	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	570	640	690	117%	740	810	590
	APR-SEP	775	865	925	115%	985	1070	805
Yellowstone R at Corwin Springs	APR-JUL	1590	1740	1850	112%	1960	2110	1650
	APR-SEP	1880	2060	2190	111%	2320	2500	1970
Yellowstone R at Livingston	APR-JUL	1820	2000	2120	112%	2240	2420	1900
	APR-SEP	2160	2370	2520	111%	2670	2880	2280
Shields R nr Livingston	APR-JUL	49	94	124	86%	154	199	145
	APR-SEP	53	104	138	85%	172	225	162
Boulder R at Big Timber	APR-JUL	220	260	290	102%	320	360	285
	APR-SEP	235	285	315	100%	345	395	315
Mystic Lake Inflow ²	APR-JUL	52	58	63	107%	68	74	59
	APR-SEP	68	76	81	107%	86	94	76

Stillwater R nr Absarokee ²								
	APR-JUL	365	430	475	96%	520	585	495
	APR-SEP	440	515	565	97%	615	690	585
Clarks Fk Yellowstone R nr Belfry								
	APR-JUL	500	555	595	110%	635	690	540
	APR-SEP	555	615	655	110%	695	755	595
Cooney Reservoir Inflow								
Yellowstone R at Billings								
	APR-JUL	2960	3410	3720	106%	4030	4480	3510
	APR-SEP	3290	4010	4370	106%	4730	5450	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	845	1200	1450	90%	1700	2060	1610
	APR-SEP	1130	1320	1590	90%	1860	2050	1760
Little Bighorn R nr Hardin								
	APR-JUL	70	95	115	90%	136	172	128
	APR-SEP	90	108	130	90%	154	170	144
Tongue R nr Dayton ²								
	APR-JUL	66	81	92	96%	104	123	96
	APR-SEP	75	93	105	96%	118	135	109
Big Goose Ck nr Sheridan								
	APR-JUL	28	37	45	87%	53	67	52
	APR-SEP	34	44	52	87%	60	73	60
Little Goose Ck nr Bighorn								
	APR-JUL	19.3	25	29	85%	33	41	34
	APR-SEP	26	32	36	86%	41	48	42
Tongue River Reservoir Inflow ²								
	APR-JUL	138	185	220	100%	260	320	220
	APR-SEP	155	210	250	100%	290	345	250
Yellowstone R at Miles City ²								
	APR-JUL	4090	4850	5360	100%	5870	6630	5360
	APR-SEP	4590	5620	6210	100%	6800	7830	6210
Powder R at Moorehead								
	APR-JUL	160	200	240	117%	290	340	205
	APR-SEP	180	225	270	117%	325	380	230
Powder R nr Locate								
	APR-JUL	215	250	280	119%	315	345	235
	APR-SEP	240	275	310	119%	345	380	260
Yellowstone R nr Sidney ²								
	APR-JUL	4050	4900	5480	100%	6060	6910	5480
	APR-SEP	4610	5550	6250	100%	6950	7890	6280

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