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Streamflow Forecast Summary: February 1, 2010
(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	61	78	89	65%	100	117	136
	APR-SEP	64.33756	83.19001	96	64%	108.80999	127.66244	150
Libby Reservoir Inflow ¹	APR-JUL	3270	3920	4220	75%	4520	5170	5640
	APR-SEP	3910	4630	4960	75%	5290	6010	6640
Fisher R nr Libby	APR-JUL	53.51777	96.67513	126	55%	155.32487	198.48223	230
	APR-SEP	59.82323	104.58497	135	55%	165.41503	210.17677	245
Yaak R nr Troy	APR-JUL	161.09497	219.98499	260	56%	300.01501	358.90503	465
	APR-SEP	174.35861	234.28249	275	56%	315.71751	375.64139	490
Kootenai R at Leonia ^{1,2}	APR-JUL	4180	4940	5280	75%	5620	6380	7040
	APR-SEP	4920	5710	6070	75%	6430	7220	8120

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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	1010	1160	1260	78%	1360	1510	1620
	APR-SEP	1130	1290	1390	77%	1490	1650	1800
MF Flathead R nr West Glacier	APR-JUL	990	1130	1230	77%	1330	1470	1590
	APR-SEP	1090	1240	1340	77%	1440	1590	1740
Sf Flathead R nr Hungry Horse	APR-JUL	795	910	990	79%	1070	1180	1250
	APR-SEP	855	970	1050	79%	1130	1240	1330
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1010	1370	1530	77%	1690	2050	2000
	APR-SEP	1190	1480	1620	76%	1760	2050	2120
Flathead R at Columbia Falls ²	APR-JUL	3330	3780	4080	76%	4380	4830	5350
	APR-SEP	3640	4120	4440	76%	4760	5240	5820
Ashley Ck nr Marion ²	MAR	0.05	0.41	0.79	75%	1.17	1.73	1.06
	APR-JUL	0.8	1.56	3	42%	4.4	6.6	7.2
	APR-SEP	0.05	1	2.5	37%	4	6.2	6.73
Swan R nr Bigfork	APR-JUL	400	455	495	88%	535	590	565
	APR-SEP	465	525	570	88%	615	675	645
Flathead Lake Inflow ^{1,2}	APR-JUL	3490	4320	4700	76%	5080	5910	6180
	APR-SEP	3800	4690	5100	76%	5510	6400	6700
Mill Ck ab Bassoo ck nr Niarada	MAR-JUL	0.4	1.07	1.87	41%	2.7	3.8	4.59
	APR-JUL	1.47	2.4	3.1	75%	3.8	4.7	4.11
	APR-SEP	1.75	2.7	3.4	76%	4.1	5.1	4.45
South Crow Ck nr Ronan	APR-JUL	6.5	7.9	8.8	87%	9.7	11.1	10.1
	APR-SEP	7.5	9	10	87%	11	12.5	11.5

Mission Ck nr St. Ignatius	APR-JUL	17.1	19.4	21	83%	23	25	25.3
	APR-SEP	20	23	25	83%	27	30	30.2
SF Jocko R nr Arlee	APR-JUL	13.8	20	25	83%	30	36	30.2
	APR-SEP	16.3	23	28	82%	33	40	34
NF Jocko R bl Tabor Feeder Canal	APR-JUL	20	24	26	84%	28	32	31
	APR-SEP	22	25	27	82%	29	32	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	21	43	58	76%	73	95	76
	APR-SEP	24	47	63	75%	79	102	84
Flint Ck nr Southern Cross	APR-JUL	3.2	7.1	9.8	72%	12.5	16.4	13.7
	APR-SEP	2.4	7.8	11.5	71%	15.2	21	16.2
Flint Ck bl Boulder Ck	APR-JUL	15.1	30	40	71%	50	65	56
	APR-SEP	19.9	38	50	70%	62	80	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	1.07	3.4	5	61%	6.6	8.9	8.2
	APR-JUL	1.29	4.9	7.4	59%	9.9	13.5	12.5
	APR-SEP	1.43	5.3	7.9	59%	10.5	14.4	13.5
MF Rock Ck nr Philipsburg	APR-JUL	26	36	43	67%	50	60	64
	APR-SEP	30	41	48	67%	55	66	72
Rock Ck nr Clinton	APR-JUL	101	154	190	70%	225	280	270
	APR-SEP	118	176	215	70%	255	310	305
Clark Fork R ab Milltown	APR-JUL	155	295	390	64%	485	625	605
	APR-SEP	194	350	455	65%	560	715	705
Nevada Ck nr Helmville	APR-MAY	1.49	4.8	7	68%	9.2	12.5	10.3
	APR-JUL	2.8	8.2	11.8	68%	15.4	21	17.3
Blackfoot R nr Bonner	APR-JUL	335	440	510	63%	580	685	805
	APR-SEP	380	490	565	63%	640	750	890
Clark Fork R ab Missoula	APR-JUL	485	730	900	64%	1070	1320	1410
	APR-SEP	570	840	1020	64%	1200	1470	1600

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast								
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	20	51	72	50%	93	124	143
	APR-SEP	26	57	78	50%	99	130	157
Bitterroot R Nr Darby								

Como Reservoir Inflow ²	APR-JUL	93	189	255	55%	320	415	460
	APR-SEP	148	230	285	55%	340	420	515
Bitterroot R nr Missoula	APR-JUL	34	42	47	60%	52	60	78
	APR-SEP	35	43	49	60%	55	63	82
	APR-JUL	385	580	710	57%	840	1030	1250
	APR-SEP	435	635	775	57%	915	1120	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	875	1310	1610	61%	1910	2340	2660
	APR-SEP	1010	1470	1790	60%	2110	2570	2960
Clark Fork R at St. Regis ¹	APR-JUL	1060	1820	2170	62%	2520	3280	3520
	APR-SEP	1210	2030	2410	62%	2790	3610	3910
Clark Fork R nr Plains ^{1,2}	APR-JUL	5750	6650	7060	70%	7470	8370	10100
	APR-SEP	6320	7300	7750	70%	8200	9180	11100
Thompson nr Thompson Falls	APR-JUL	43	80	105	51%	130	167	205
	APR-SEP	50	90	117	51%	144	184	230
Prospect Ck at Thompson Falls	APR-JUL	27	44	55	47%	66	83	116
	APR-SEP	30	47	59	48%	71	88	124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	6530	7510	7960	70%	8410	9390	11300
	APR-SEP	7200	8260	8750	70%	9240	10300	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	19.2	35	48	50%	61	81	96
	APR-SEP	20	34	50	48%	66	88	104
Clark Canyon Inflow ²	APR-JUL	14.8	25	37	28%	72	124	131
	APR-SEP	19.6	32	49	31%	87	144	156
Beaverhead R at Barretts ²	APR-JUL	25	41	63	38%	113	186	168
	APR-SEP	32	51	82	41%	140	225	200
Ruby R Reservoir Inflow ²	APR-JUL	33	48	59	70%	70	85	84
	APR-SEP	41	59	71	70%	83	101	101
Big Hole R at Wisdom	APR-JUL	23	31	58	48%	85	126	121
	APR-SEP	25	33	63	48%	93	136	130
Big Hole R nr Melrose	APR-JUL	192	310	390	64%	470	590	610

Jefferson R nr Twin Bridges ²	APR-SEP	200	330	420	64%	510	640	660
	APR-JUL	166	280	415	53%	550	745	785
Boulder R nr Boulder	APR-SEP	178	295	445	51%	595	820	880
	APR-JUL	29	45	56	72%	67	83	78
Willow Ck Reservoir Inflow ²	APR-SEP	31	48	60	71%	72	89	85
	APR-JUL	4.3	10.7	15.1	84%	19.5	26	17.9
Jefferson R nr Three Forks ²	APR-SEP	5.1	12	16.8	84%	22	29	20
	APR-JUL	186	315	465	60%	615	840	780
	APR-SEP	200	335	505	59%	675	925	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	210	250	280	71%	310	350	395
	APR-SEP	280	330	365	72%	400	450	505
Ennis Reservoir Inflow ²	APR-JUL	325	415	475	70%	535	625	680
	APR-SEP	425	530	600	71%	670	775	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	230	285	325	74%	365	420	440
	APR-SEP	265	330	375	73%	420	485	515
Hyalite Reservoir Inflow ²	APR-JUL	14.4	16.6	18.1	82%	19.6	22	22
	APR-SEP	16.1	18.4	20	80%	22	24	25
Gallatin R at Logan	APR-JUL	157	255	325	66%	395	495	495
	APR-SEP	184	300	375	66%	450	565	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	9.8	13	15.2	89%	17.4	21	17.1
	APR-SEP	11.5	15.2	17.7	89%	20	24	20
Smith R bl Eagle Ck ²	APR-JUL	45	77	98	74%	119	151	133

NF Musselshell R nr Delpine	APR-SEP	50	86	111	74%	136	172	149
	APR-JUL	2.1	3.4	4.2	91%	5	6.3	4.6
SF Musselshell R ab Martinsdale	APR-SEP	2.5	3.9	4.9	91%	5.9	7.3	5.4
	APR-JUL	14	33	46	88%	59	78	52
Musselshell R at Harlowton ²	APR-SEP	15.9	36	50	89%	64	84	56
	APR-JUL	26	43	65	84%	87	120	77
Musselshell R nr Roundup ²	APR-SEP	26	43	67	83%	91	125	81
	APR-JUL	30	46	77	78%	123	190	99
	APR-SEP	31	48	78	76%	123	190	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	210	265	305	66%	345	400	460
	APR-SEP	245	305	345	68%	385	445	505
Two Medicine R nr Browning ²	APR-JUL	104	129	146	71%	163	188	205
	APR-SEP	114	140	157	73%	174	200	215
Badger Ck nr Browning	APR-JUL	34	51	62	72%	73	90	86
	APR-SEP	39	57	69	73%	81	99	95
Swift Reservoir Inflow ²	APR-JUL	30	41	49	77%	57	68	64
	APR-SEP	39	51	60	78%	69	81	77
Dupuyer Ck nr Valier	APR-JUL	3.5	5.4	8.8	63%	13.6	21	14
	APR-SEP	4	6	9.9	63%	15.2	23	15.7
Cut Bank Ck nr Browning	APR-JUL	34	48	58	75%	68	82	77
	APR-SEP	38	53	63	75%	73	88	84
Marias R nr Shelby ²	APR-JUL	100	178	250	60%	320	430	415
	APR-SEP	106	189	265	60%	340	455	440
Teton R nr Dutton	APR-JUL	10.4	17	26	51%	44	72	51
	APR-SEP	12	19	30	51%	50	79	59

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

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	75	84	90	86%	96	105	105
	APR-SEP	90	99	105	86%	111	120	122
St. Mary R nr Babb ²	APR-JUL	255	295	325	84%	355	395	385
	APR-SEP	315	355	385	86%	415	455	450

St. Mary R at Intl Boundary²

APR-JUL	275	335	375	86%	415	475	435
APR-SEP	345	405	445	86%	485	545	515
Milk R at Western Crossing of Intl Bndry, AB							
MAR-JUL	8.3	15.6	30	73%	39	54	41
MAR-SEP	8.5	16.6	32	74%	43	59	43
APR-JUL	9.9	18.3	24	73%	30	38	33
APR-SEP	11.1	20	26	72%	32	41	36
Milk R at Eastern Crossing of Intl Bndry							
MAR-JUL	17	31	62	74%	82	113	83.3
MAR-SEP	17.4	33	68	78%	90	124	87.7
APR-JUL	18	26	45	74%	64	91	60.6
APR-SEP	20	31	51	74%	71	99	69.2

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

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	535	930	1190	58%	1450	1870	2050
	APR-SEP	610	1080	1390	58%	1700	2170	2390
Dearborn R nr Craig								
	APR-JUL	17.7	45	63	52%	81	108	121
	APR-SEP	21	50	69	55%	88	117	125
Missouri R at Fort Benton ²								
	APR-JUL	990	1570	1970	66%	2370	2950	2990
	APR-SEP	1170	1890	2360	66%	2830	3540	3570
Missouri R nr Virgelle ²								
	APR-JUL	1080	1750	2210	64%	2670	3340	3450
	APR-SEP	1240	2050	2590	64%	3130	3940	4060
Missouri R nr Landusky ²								
	APR-JUL	1040	1760	2250	61%	2740	3460	3690
	APR-SEP	1210	2080	2660	61%	3240	4100	4350
Missouri R bl Fort Peck Dam ²								
	APR-JUL	1140	1860	2360	63%	2860	3580	3740
	APR-SEP	1280	2150	2720	63%	3290	4160	4330
Lake Sakakawea Inflow ²								
	APR-JUL	2260	4160	5450	56%	6740	8640	9740
	APR-SEP	2570	4770	6250	56%	7730	9930	11200

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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	275	340	380	64%	420	485	590
	APR-SEP	360	440	495	61%	550	630	805
Yellowstone R at Corwin Springs								
	APR-JUL	900	1050	1160	70%	1270	1420	1650
	APR-SEP	1050	1230	1360	69%	1490	1670	1970
Yellowstone R at Livingston								
	APR-JUL	995	1190	1320	69%	1450	1640	1900
	APR-SEP	1180	1410	1560	68%	1710	1940	2280

Shields R nr Livingston	APR-JUL	30	76	108	74%	140	186	145
	APR-SEP	33	83	118	73%	153	205	162
Boulder R at Big Timber	APR-JUL	156	197	225	79%	255	295	285
	APR-SEP	162	210	240	76%	270	320	315
Mystic Lake Inflow ²	APR-JUL	41	46	49	82%	52	57	60
	APR-SEP	51	58	62	81%	66	73	77
Stillwater R nr Absarokee ²	APR-JUL	255	315	355	72%	395	455	495
	APR-SEP	305	375	420	72%	465	535	585
Clarks Fk Yellowstone R nr Belfry	APR-JUL	285	340	375	69%	410	465	540
	APR-SEP	305	360	400	67%	440	495	595
Cooney Reservoir Inflow								
Yellowstone R at Billings	APR-JUL	1440	2080	2390	68%	2700	3330	3510
	APR-SEP	1700	2440	2800	68%	3160	3900	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	285	460	710	44%	960	1320	1610
	APR-SEP	290	450	725	41%	1000	1400	1760
Little Bighorn R nr Hardin	APR-JUL	20	49	68	53%	87	116	128
	APR-SEP	24	56	77	53%	98	130	144
Tongue R nr Dayton ²	APR-JUL	38	56	69	72%	82	100	96
	APR-SEP	45	65	78	72%	91	111	109
Big Goose Ck nr Sheridan	APR-JUL	16.8	28	36	69%	44	55	52
	APR-SEP	20	32	40	67%	48	60	60
Little Goose Ck nr Bighorn	APR-JUL	11.6	19	24	71%	29	36	34
	APR-SEP	16.6	25	30	71%	35	43	42
Tongue River Reservoir Inflow ²	APR-JUL	55	95	138	63%	181	245	220
	APR-SEP	63	113	158	63%	205	270	250
Yellowstone R at Miles City ²	APR-JUL	1770	2710	3220	60%	3730	4610	5360
	APR-SEP	2080	3110	3700	60%	4290	5320	6210
Powder R at Moorehead	APR-JUL	42	63	104	51%	145	205	205
	APR-SEP	47	76	118	51%	160	220	230
Powder R nr Locate	APR-JUL	46	66	116	49%	166	240	235
	APR-SEP	51	75	129	50%	183	260	260
Yellowstone R nr Sidney ²	APR-JUL	1530	2380	2960	54%	3540	4440	5480
	APR-SEP	1780	2720	3420	54%	4120	5060	6280

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