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Streamflow Forecast Summary: January 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	66	92	110	81%	128	154	136
	APR-SEP	75	103	122	81%	141	169	150
Libby Reservoir Inflow ¹	APR-JUL	4049	4930	5330	95%	5730	6611	5640
	APR-SEP	4831	5821	6270	94%	6719	7709	6640
Fisher R nr Libby	APR-JUL	111	167	205	89%	243	299	230
	APR-SEP	120	178	217	89%	256	314	245
Yaak R nr Troy	APR-JUL	339	411	460	99%	509	581	465
	APR-SEP	363	436	485	99%	534	607	490
Kootenai R at Leonia ^{1,2}	APR-JUL	5182	6198	6660	95%	7122	8138	7040
	APR-SEP	5946	7138	7680	95%	8222	9414	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	1047	1251	1390	86%	1529	1733	1620
	APR-SEP	1186	1397	1540	86%	1683	1894	1800
MF Flathead R nr West Glacier	APR-JUL	1026	1219	1350	85%	1481	1674	1590
	APR-SEP	1151	1347	1480	85%	1613	1809	1740
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1296	1615	1760	88%	1905	2224	2000
	APR-SEP	1410	1726	1870	88%	2014	2330	2120
Flathead R at Columbia Falls ²	APR-JUL	3619	4197	4590	86%	4983	5561	5350
	APR-SEP	4026	4606	5000	86%	5394	5974	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	374	455	510	90%	565	646	565
	APR-SEP	438	522	580	90%	638	722	645
Flathead Lake Inflow ^{1,2}	APR-JUL	4807	5167	5330	86%	5493	5853	6180
	APR-SEP	5222	5606	5780	86%	5954	6338	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	28	53	70	92%	87	112	76
	APR-SEP	33	59	77	92%	95	121	84
Flint Ck nr Southern Cross	APR-JUL	7.6	11.4	14	102%	16.6	20	13.7
	APR-SEP	7.4	12.8	16.5	102%	20	26	16.2
Flint Ck bl Boulder Ck	APR-JUL	30	46	56	100%	66	82	56
	APR-SEP	40	59	71	100%	83	102	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	1.7	4.4	6.2	76%	8	10.7	8.2
	APR-JUL	1.57	6.3	9.5	76%	12.7	17.4	12.5
MF Rock Ck nr Philipsburg	APR-JUL	35	46	54	84%	62	73	64
	APR-SEP	40	52	60	83%	68	80	72
Rock Ck nr Clinton	APR-JUL	129	186	225	83%	264	321	270
	APR-SEP	148	210	252	83%	294	356	305
Clark Fork R ab Milltown	APR-JUL	354	447	510	84%	573	666	605
	APR-SEP	424	526	595	84%	664	766	705
Nevada Ck nr Helmville	APR-MAY	3.8	7.1	9.3	90%	11.5	14.8	10.3
	APR-JUL	6.7	11.9	15.5	90%	19.1	24	17.3
Blackfoot R nr Bonner	APR-JUL	429	608	730	91%	852	1031	805
	APR-SEP	497	683	810	91%	937	1123	890
Clark Fork R ab Missoula	APR-JUL	939	1118	1240	88%	1362	1541	1410
	APR-SEP	1088	1280	1410	88%	1540	1732	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	54	90	115	80%	140	176	143
	APR-SEP	60	99	125	80%	151	190	157
Bitterroot R Nr Darby	APR-JUL	225	329	400	87%	471	575	460
	APR-SEP	274	376	445	86%	514	616	515
Como Reservoir Inflow ²	APR-JUL	50	62	70	90%	78	90	78
	APR-SEP	54	66	74	90%	82	94	82
Bitterroot R nr Missoula	APR-JUL	706	964	1140	91%	1316	1574	1250
	APR-SEP	789	1057	1240	91%	1423	1691	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	2185	2301	2380	89%	2459	2575	2660
	APR-SEP	2438	2564	2650	90%	2736	2862	2960
Clark Fork R at St. Regis ¹	APR-JUL	2954	3102	3170	90%	3238	3386	3520
	APR-SEP	3288	3447	3520	90%	3593	3752	3910
Clark Fork R nr Plains ^{1,2}	APR-JUL	8303	8549	8660	86%	8771	9017	10100
	APR-SEP	9107	9384	9510	86%	9636	9913	11100
Thompson nr Thompson Falls	APR-JUL	91	144	180	88%	216	269	205
	APR-SEP	109	165	203	88%	241	297	230
Prospect Ck at Thompson Falls	APR-JUL	70	94	110	95%	126	150	116
	APR-SEP	77	101	118	95%	135	159	124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	9154	9681	9920	88%	10159	10686	11300
	APR-SEP	10031	10628	10900	87%	11172	11769	12500

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 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	29	53	70	73%	87	111	96
	APR-SEP	29	57	76	73%	95	123	104
Clark Canyon Inflow ²	APR-JUL	25	58	89	68%	126	194	131
	APR-SEP	32	76	116	74%	165	255	156
Beaverhead R at Barretts ²	APR-JUL	18.9	80	121	72%	162	225	168
	APR-SEP	16.2	99	156	78%	215	295	200
Ruby R Reservoir Inflow ²	APR-JUL	49	66	79	94%	93	116	84
	APR-SEP	60	79	94	93%	110	136	101
Big Hole R at Wisdom	APR-JUL	38	73	104	86%	140	205	121
	APR-SEP	42	79	112	86%	150	215	130
Big Hole R nr Melrose	APR-JUL	330	460	560	92%	670	850	610
	APR-SEP	365	505	610	92%	725	915	660
Jefferson R nr Twin Bridges ²	APR-JUL	295	535	695	89%	855	1100	785
	APR-SEP	330	590	765	87%	940	1200	880
Boulder R nr Boulder	APR-JUL	19.7	38	50	64%	62	80	78
	APR-SEP	20	40	53	62%	66	86	85
Willow Ck Reservoir Inflow ²	APR-JUL	5.1	7.1	12.8	72%	18.5	27	17.9

Jefferson R nr Three Forks ²	APR-SEP	5.6	9	14	70%	19	26	20
	APR-JUL	129	430	635	81%	840	1140	780
	APR-SEP	200	535	760	88%	985	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	285	335	370	95%	410	465	390
	APR-SEP	365	425	470	94%	515	590	500
Ennis Reservoir Inflow ²	APR-JUL	480	575	645	95%	715	810	680
	APR-SEP	590	710	795	94%	880	1000	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	335	400	445	101%	490	555	440
	APR-SEP	395	470	520	101%	570	645	515
Hyalite Reservoir Inflow ²	APR-JUL	16.5	19.1	21	95%	23	26	22
	APR-SEP	19	22	24	96%	26	30	25
Gallatin R at Logan	APR-JUL	315	425	500	101%	575	685	495
	APR-SEP	365	490	575	101%	660	785	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	7.5	10.5	12.8	75%	15.3	19.5	17.1
	APR-SEP	9.2	12.7	15.3	77%	18.2	23	20
Smith R bl Eagle Ck ²	APR-JUL	28	54	76	57%	102	148	133
	APR-SEP	32	61	87	58%	117	169	149
NF Musselshell R nr Delpine	APR-JUL	0.82	1.76	2.6	57%	3.6	5.4	4.6
	APR-SEP	1.01	2.1	3.1	57%	4.3	6.3	5.4
SF Musselshell R ab Martinsdale	APR-JUL	5.9	16.6	27	52%	40	63	52
	APR-SEP	6.9	18.7	30	54%	44	69	56
Musselshell R at Harlowton ²	APR-JUL	12	20	32	42%	63	109	77

MAR-JUL	18.3	41	69	83%	97	108	83
MAR-SEP	18.5	46	75	85%	104	116	88
APR-JUL	13.4	30	51	84%	72	79	61
APR-SEP	14.5	37	59	86%	81	91	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	1070	1540	1860	91%	2180	2650	2050
	APR-SEP	1300	1840	2210	92%	2580	3120	2390
Dearborn R nr Craig	APR-JUL	38	65	83	69%	101	128	121
	APR-SEP	41	69	88	70%	107	135	125
Missouri R at Fort Benton ²	APR-JUL	1530	2160	2590	87%	3020	3650	2990
	APR-SEP	1910	2640	3140	88%	3640	4370	3570
Missouri R nr Virgelle ²	APR-JUL	1680	2400	2890	84%	3380	4100	3450
	APR-SEP	2070	2900	3470	85%	4040	4870	4060
Missouri R nr Landusky ²	APR-JUL	1840	2570	3060	83%	3550	4280	3690
	APR-SEP	2280	3110	3680	85%	4250	5080	4350
Missouri R bl Fort Peck Dam ²	APR-JUL	1860	2620	3130	84%	3640	4400	3740
	APR-SEP	2080	3010	3640	84%	4270	5200	4330
Lake Sakakawea Inflow ²	APR-JUL	5700	7240	8280	85%	9320	10900	9740
	APR-SEP	5800	8180	9480	85%	10800	13200	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	475	560	620	105%	680	765	590
	APR-SEP	645	755	830	103%	905	1010	805
Yellowstone R at Corwin Springs	APR-JUL	1370	1550	1670	101%	1790	1970	1650
	APR-SEP	1610	1820	1970	100%	2120	2330	1970
Yellowstone R at Livingston	APR-JUL	1560	1770	1910	101%	2050	2260	1900
	APR-SEP	1860	2100	2270	100%	2440	2680	2280
Shields R nr Livingston	APR-JUL	28	34	70	48%	106	159	145
	APR-SEP	31	38	78	48%	118	177	162
Boulder R at Big Timber	APR-JUL	184	230	260	91%	290	335	285
	APR-SEP	195	245	280	89%	315	365	315
Mystic Lake Inflow ²	APR-JUL	46	53	58	98%	63	70	59
	APR-SEP	60	69	75	99%	81	90	76

Stillwater R nr Absarokee ²	APR-JUL	355	425	470	95%	515	585	495
	APR-SEP	425	500	555	95%	610	685	585
Clarks Fk Yellowstone R nr Belfry	APR-JUL	430	500	545	101%	590	660	540
	APR-SEP	475	550	600	101%	650	725	595
Cooney Reservoir Inflow								
Yellowstone R at Billings	APR-JUL	2560	3040	3370	96%	3700	4180	3510
	APR-SEP	2880	3580	3960	96%	4340	5040	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	675	1040	1290	80%	1540	1900	1610
	APR-SEP	725	1130	1410	80%	1690	2090	1760
Little Bighorn R nr Hardin	APR-JUL	57	84	105	82%	129	168	128
	APR-SEP	62	95	118	82%	144	174	144
Tongue R nr Dayton ²	APR-JUL	49	63	74	77%	86	105	96
	APR-SEP	57	72	84	77%	97	116	109
Big Goose Ck nr Sheridan	APR-JUL	29	38	46	88%	54	67	52
	APR-SEP	36	46	54	90%	62	75	60
Little Goose Ck nr Bighorn	APR-JUL	17.5	23	27	79%	31	39	34
	APR-SEP	24	30	34	81%	39	46	42
Tongue River Reservoir Inflow ²	APR-JUL	83	126	161	73%	200	265	220
	APR-SEP	96	144	182	73%	225	295	250
Yellowstone R at Miles City ²	APR-JUL	3490	4280	4820	90%	5360	6150	5360
	APR-SEP	3980	4980	5600	90%	6220	7220	6210
Powder R at Moorehead	APR-JUL	70	121	164	80%	215	295	205
	APR-SEP	86	140	184	80%	235	320	230
Powder R nr Locate	APR-JUL	54	135	190	81%	245	325	235
	APR-SEP	59	148	210	81%	270	355	260
Yellowstone R nr Sidney ²	APR-JUL	3480	4340	4930	90%	5520	6380	5480
	APR-SEP	4010	4950	5650	90%	6350	7290	6280

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