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Streamflow Forecast Summary: February 1, 2003
(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			101	74%			136
	APR-SEP			112	75%			150
Libby Reservoir Inflow ¹	APR-JUL			4240	75%			5638
	APR-SEP			4990	75%			6638
Fisher R nr Libby	APR-JUL			143	62%			230
	APR-SEP			155	63%			245
Yaak R nr Troy	APR-JUL			325	74%			440
	APR-SEP			340	74%			460
Kootenai R at Leonia ^{1,2}	APR-JUL			5270	75%			7035
	APR-SEP			6080	75%			8125

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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

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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			1180	72%			1630
	APR-SEP			1310	73%			1800
MF Flathead R nr West Glacier	APR-JUL			1130	71%			1590
	APR-SEP			1240	71%			1740
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL			1380	69%			1994
	APR-SEP			1460	69%			2124
Flathead R at Columbia Falls ²	APR-JUL			3770	70%			5355
	APR-SEP			4110	71%			5825
Ashley Ck nr Marion ²	APR-JUL			2.7	39%			7
Swan R nr Bigfork	APR-JUL			365	65%			565
	APR-SEP			415	64%			645
Flathead Lake Inflow ^{1,2}	APR-JUL			4330	70%			6200
	APR-SEP			4690	70%			6713
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			45	59%			76
	APR-SEP			50	60%			84
Flint Ck nr Southern Cross	APR-JUL			9	64%			14
	APR-SEP			10.5	66%			16
Flint Ck bl Boulder Ck	APR-JUL			35	63%			56
	APR-SEP			45	63%			71
Lower Willow Ck Reservoir Inflow ²	APR-JUL			8.8	70%			12.5
	APR-SEP			9.5	70%			13.5
MF Rock Ck nr Philipsburg	APR-JUL			47	73%			64
	APR-SEP			53	74%			72
Rock Ck nr Clinton	APR-JUL			190	70%			270
	APR-SEP			220	72%			305
Clark Fork R ab Milltown	APR-JUL			365	60%			605
	APR-SEP			420	60%			705
Nevada Ck nr Helmville	APR-JUL			10	58%			17.3
	APR-SEP			10.8	57%			18.9
Blackfoot R nr Bonner	APR-JUL			455	57%			805
	APR-SEP			505	57%			892
Clark Fork R ab Missoula	APR-JUL			815	58%			1415
	APR-SEP			925	58%			1595

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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			100	70%			143
	APR-SEP			110	70%			157
Bitterroot R Nr Darby	APR-JUL			325	71%			460
	APR-SEP			365	71%			514
Como Reservoir Inflow ²	APR-JUL			57	73%			78
	APR-SEP			60	73%			82
Bitterroot R nr Missoula	APR-JUL			885	71%			1250
	APR-SEP			965	71%			1364

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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			1690	64%			2660
	APR-SEP			1890	64%			2962
Clark Fork R at St. Regis ¹	APR-JUL			2220	63%			3520
	APR-SEP			2470	63%			3907
Clark Fork R nr Plains ^{1,2}	APR-JUL			6660	66%			10100
	APR-SEP			7310	66%			11060
Thompson nr Thompson Falls	APR-JUL			90	44%			205
	APR-SEP			102	44%			230
Prospect Ck at Thompson Falls	APR-JUL			45	39%			116
	APR-SEP			48	39%			124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL			7290	65%			11280
	APR-SEP			8010	64%			12460

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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			55	57%			96
	APR-SEP			60	58%			104
Clark Canyon Inflow ²	APR-JUL			80	61%			131
	APR-SEP			87	56%			156
Beaverhead R at Barretts ²	APR-JUL			110	65%			168
	APR-SEP			125	63%			200
Ruby R Reservoir Inflow ²	APR-JUL			37	44%			84
	APR-SEP			48	48%			101
Big Hole R at Wisdom	APR-JUL			65	59%			110
	APR-SEP			75	64%			117
Big Hole R nr Melrose	APR-JUL			385	63%			610
	APR-SEP			420	64%			660
Jefferson R nr Twin Bridges ²								
Boulder R nr Boulder	APR-JUL			42	54%			78
	APR-SEP			45	53%			85
Willow Ck Reservoir Inflow ²	APR-JUL			9	50%			18
	APR-SEP			10	50%			20
Jefferson R nr Three Forks ²								

APR-JUL	365	47%	780
APR-SEP	400	47%	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			270	69%			390
	APR-SEP			350	70%			500
Ennis Reservoir Inflow ²	APR-JUL			425	63%			680
	APR-SEP			535	63%			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			285	65%			440
	APR-SEP			335	65%			515
Hyalite Reservoir Inflow ²	APR-JUL			15	68%			22
	APR-SEP			16	64%			25
Gallatin R at Logan	APR-JUL			255	52%			495
	APR-SEP			305	54%			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			8.9	52%			17.1
	APR-SEP			11	55%			20
Smith R bl Eagle Ck ²	APR-JUL			100	57%			175
	APR-SEP			120	57%			210
NF Musselshell R nr Delpine	APR-JUL			1.7	37%			4.6
	APR-SEP			2.2	41%			5.4
SF Musselshell R ab Martinsdale	APR-JUL			9.7	19%			52
	APR-SEP			11.8	21%			56
Musselshell R at Harlowton ²	APR-JUL			14	18%			77
	APR-SEP			16	20%			81
Musselshell R nr Roundup ²								

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SUN-TETON-MARIAS	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gibson Reservoir Inflow	APR-JUL			195	42%			460
	APR-SEP			225	45%			505
Two Medicine R nr Browning ²	APR-JUL			95	46%			205
	APR-SEP			100	47%			215
Badger Ck nr Browning	APR-JUL			55	56%			99
	APR-SEP			65	57%			115
Swift Reservoir Inflow ²	APR-JUL			32	50%			64
	APR-SEP			40	52%			77
Dupuyer Ck nr Valier	APR-JUL			5.2	37%			14
	APR-SEP			6.4	40%			16
Cut Bank Ck nr Browning								
Marias R nr Shelby ²	APR-JUL			225	54%			415
	APR-SEP			235	53%			440
Teton R nr Dutton	APR-JUL			14	27%			51
	APR-SEP			15.2	26%			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								
St. Mary R nr Babb ²	APR-JUL			270	70%			385
	APR-SEP			325	72%			450
St. Mary R at Intl Boundary ²	APR-JUL			300	69%			435
	APR-SEP			365	71%			515
Milk R at Western Crossing of Intl Bndry, AB	MAR-JUL			16	39%			41
	MAR-SEP			17	40%			43
	APR-JUL			10	30%			33
	APR-SEP			10.5	29%			36
Milk R at Eastern Crossing of Intl Bndry	MAR-JUL			31	37%			83
	MAR-SEP			34	39%			88

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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			1140	56%			2050
	APR-SEP			1340	56%			2390
Dearborn R nr Craig	APR-JUL			90	74%			121
	APR-SEP			95	76%			125
Missouri R at Fort Benton ²	APR-JUL			1880	63%			2990
	APR-SEP			2300	64%			3570
Missouri R nr Virgelle ²	APR-JUL			2070	60%			3450
	APR-SEP			2510	62%			4060
Missouri R nr Landusky ²	APR-JUL			2100	57%			3690
	APR-SEP			2580	59%			4350
Missouri R bl Fort Peck Dam ²	APR-JUL			2300	61%			3740
	APR-SEP			2640	61%			4330
Lake Sakakawea Inflow ²	APR-JUL			5720	59%			9740
	APR-SEP			6500	58%			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			450	76%			590
	APR-SEP			600	75%			805
Yellowstone R at Corwin Springs	APR-JUL			1280	78%			1650
	APR-SEP			1500	76%			1970
Yellowstone R at Livingston	APR-JUL			1400	74%			1900
	APR-SEP			1650	72%			2280
Shields R nr Livingston	APR-JUL			80	55%			145
	APR-SEP			95	59%			162
Boulder R at Big Timber	APR-JUL			210	74%			285
	APR-SEP			220	70%			315
Mystic Lake Inflow ²	APR-JUL			40	68%			59
	APR-SEP			52	68%			76
Stillwater R nr Absarokee ²	APR-JUL			340	69%			495
	APR-SEP			400	68%			585
Clarks Fk Yellowstone R nr Belfry	APR-JUL			390	72%			540
	APR-SEP			420	71%			595
Cooney Reservoir Inflow	APR-JUL			33	70%			47

Yellowstone R at Billings	APR-SEP	40	70%	57
	APR-JUL	2140	61%	3510
	APR-SEP	2800	68%	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			695	43%			1610
	APR-SEP			755	43%			1760
Little Bighorn R nr Hardin	APR-JUL			65	51%			128
	APR-SEP			75	52%			144
Tongue R nr Dayton ²	APR-JUL			46	48%			96
	APR-SEP			56	51%			109
Big Goose Ck nr Sheridan								
Little Goose Ck nr Bighorn								
Tongue River Reservoir Inflow ²	APR-JUL			75	34%			220
	APR-SEP			95	38%			250
Yellowstone R at Miles City ²	APR-JUL			2950	55%			5360
	APR-SEP			3720	60%			6210
Powder R at Moorehead	MAR-JUL			60	25%			240
	MAR-SEP			64	24%			265
	APR-JUL			42	20%			205
	APR-SEP			46	20%			230
Powder R nr Locate	MAR-JUL			70	23%			310
	MAR-SEP			75	22%			335
	APR-JUL			37	16%			235
	APR-SEP			60	23%			260
Yellowstone R nr Sidney ²	APR-JUL			2900	53%			5480
	APR-SEP			3460	55%			6280

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