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Streamflow Forecast Summary: March 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			80	59%			136
	APR-SEP			89	59%			150
Libby Reservoir Inflow ¹	APR-JUL			3990	71%			5638
	APR-SEP			4690	71%			6638
Fisher R nr Libby	APR-JUL			124	54%			230
	APR-SEP			132	54%			245
Yaak R nr Troy	APR-JUL			295	67%			440
	APR-SEP			305	66%			460
Kootenai R at Leonia ^{1,2}	APR-JUL			5000	71%			7035
	APR-SEP			5770	71%			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			1140	70%			1630
	APR-SEP			1270	71%			1800
MF Flathead R nr West Glacier	APR-JUL			1090	69%			1590
	APR-SEP			1190	68%			1740
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL			1310	66%			1994
	APR-SEP			1390	65%			2124
Flathead R at Columbia Falls ²	APR-JUL			3620	68%			5355
	APR-SEP			3940	68%			5825
Ashley Ck nr Marion ²	APR-JUL			2.2	31%			7
Swan R nr Bigfork	APR-JUL			330	58%			565
	APR-SEP			375	58%			645
Flathead Lake Inflow ^{1,2}	APR-JUL			4120	66%			6200
	APR-SEP			4470	67%			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			56	74%			76
	APR-SEP			61	73%			84
Flint Ck nr Southern Cross	APR-JUL			11	79%			14
	APR-SEP			12.7	79%			16
Flint Ck bl Boulder Ck	APR-JUL			42	75%			56
	APR-SEP			55	77%			71
Lower Willow Ck Reservoir Inflow ²	APR-JUL			9	72%			12.5
	APR-SEP			9.7	72%			13.5
MF Rock Ck nr Philipsburg	APR-JUL			49	77%			64
	APR-SEP			55	76%			72
Rock Ck nr Clinton	APR-JUL			200	74%			270
	APR-SEP			225	74%			305
Clark Fork R ab Milltown	APR-JUL			445	74%			605
	APR-SEP			515	73%			705
Nevada Ck nr Helmville	APR-JUL			10.4	60%			17.3
	APR-SEP			11.7	62%			18.9
Blackfoot R nr Bonner	APR-JUL			450	56%			805
	APR-SEP			500	56%			892
Clark Fork R ab Missoula	APR-JUL			895	63%			1415
	APR-SEP			1020	64%			1595

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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			110	77%			143
	APR-SEP			120	76%			157
Bitterroot R Nr Darby	APR-JUL			350	76%			460
	APR-SEP			390	76%			514
Como Reservoir Inflow ²	APR-JUL			63	81%			78
	APR-SEP			66	80%			82
Bitterroot R nr Missoula	APR-JUL			975	78%			1250
	APR-SEP			1070	78%			1364

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APR-JUL	420	54%	780
APR-SEP	460	53%	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			265	68%			390
	APR-SEP			345	69%			500
Ennis Reservoir Inflow ²	APR-JUL			455	67%			680
	APR-SEP			580	68%			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			305	69%			440
	APR-SEP			360	70%			515
Hyalite Reservoir Inflow ²	APR-JUL			16.7	76%			22
	APR-SEP			18.8	75%			25
Gallatin R at Logan	APR-JUL			285	58%			495
	APR-SEP			340	60%			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			10.5	62%			17
	APR-SEP			12.8	64%			20
Smith R bl Eagle Ck ²	APR-JUL			115	66%			175
	APR-SEP			140	67%			210
NF Musselshell R nr Delpine	APR-JUL			2	43%			4.6
	APR-SEP			2.5	46%			5.4
SF Musselshell R ab Martinsdale	APR-JUL			14.3	28%			52
	APR-SEP			16.5	29%			56
Musselshell R at Harlowton ²	APR-JUL			22	29%			77
	APR-SEP			25	31%			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			215	47%			460
	APR-SEP			250	50%			505
Two Medicine R nr Browning ²	APR-JUL			100	49%			205
	APR-SEP			110	51%			215
Badger Ck nr Browning	APR-JUL			57	58%			99
	APR-SEP			69	60%			115
Swift Reservoir Inflow ²	APR-JUL			34	53%			64
	APR-SEP			43	56%			77
Dupuyer Ck nr Valier	APR-JUL			5	36%			14
	APR-SEP			6	38%			15.7
Cut Bank Ck nr Browning								
Marias R nr Shelby ²	APR-JUL			230	55%			415
	APR-SEP			235	53%			440
Teton R nr Dutton	APR-JUL			15.5	30%			51
	APR-SEP			18	31%			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			260	68%			385
	APR-SEP			320	71%			450
St. Mary R at Intl Boundary ²	APR-JUL			290	67%			435
	APR-SEP			355	69%			515
Milk R at Western Crossing of Intl Bndry, AB	MAR-JUL			18.8	46%			41
	MAR-SEP			20	47%			43
	APR-JUL			16.1	49%			33
	APR-SEP			18	50%			36
Milk R at Eastern Crossing of Intl Bndry	MAR-JUL			39	47%			83
	MAR-SEP			42	48%			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			1260	61%			2050
	APR-SEP			1450	61%			2390
Dearborn R nr Craig	APR-JUL			73	60%			121
	APR-SEP			78	62%			125
Missouri R at Fort Benton ²	APR-JUL			1910	64%			2990
	APR-SEP			2340	66%			3570
Missouri R nr Virgelle ²	APR-JUL			2060	60%			3450
	APR-SEP			2500	62%			4060
Missouri R nr Landusky ²	APR-JUL			2100	57%			3690
	APR-SEP			2570	59%			4350
Missouri R bl Fort Peck Dam ²	APR-JUL			2210	59%			3740
	APR-SEP			2540	59%			4330
Lake Sakakawea Inflow ²	APR-JUL			5220	54%			9740
	APR-SEP			6100	54%			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			430	73%			590
	APR-SEP			580	72%			805
Yellowstone R at Corwin Springs	APR-JUL			1300	79%			1650
	APR-SEP			1600	81%			1970
Yellowstone R at Livingston	APR-JUL			1480	78%			1900
	APR-SEP			1800	79%			2280
Shields R nr Livingston	APR-JUL			95	66%			145
	APR-SEP			105	65%			162
Boulder R at Big Timber	APR-JUL			225	79%			285
	APR-SEP			235	75%			315
Mystic Lake Inflow ²	APR-JUL			45	76%			59
	APR-SEP			57	75%			76
Stillwater R nr Absarokee ²	APR-JUL			385	78%			495
	APR-SEP			455	78%			585
Clarks Fk Yellowstone R nr Belfry	APR-JUL			400	74%			540
	APR-SEP			430	72%			595
Cooney Reservoir Inflow	APR-JUL			40	85%			47

Yellowstone R at Billings	APR-SEP	50	88%	57
	APR-JUL	2600	74%	3510
	APR-SEP	3060	74%	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			880	55%			1610
	APR-SEP			945	54%			1760
Little Bighorn R nr Hardin	APR-JUL			75	59%			128
	APR-SEP			85	59%			144
Tongue R nr Dayton ²	APR-JUL			66	69%			96
	APR-SEP			77	71%			109
Big Goose Ck nr Sheridan								
Little Goose Ck nr Bighorn								
Tongue River Reservoir Inflow ²	APR-JUL			110	50%			220
	APR-SEP			130	52%			250
Yellowstone R at Miles City ²	APR-JUL			3480	65%			5360
	APR-SEP			4190	67%			6210
Powder R at Moorehead	MAR-JUL			95	40%			240
	MAR-SEP			115	43%			265
	APR-JUL			65	32%			205
	APR-SEP			85	37%			230
Powder R nr Locate	MAR-JUL			115	37%			310
	MAR-SEP			135	40%			335
	APR-JUL			65	28%			235
	APR-SEP			87	33%			260
Yellowstone R nr Sidney ²	APR-JUL			3280	60%			5480
	APR-SEP			3860	61%			6280

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3) Median value used in place of average