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Streamflow Forecast Summary: January 1, 2002
(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			100	74%			136
	APR-SEP			110	73%			150
Libby Reservoir Inflow ¹	APR-JUL			5500	98%			5638
	APR-SEP			6440	97%			6638
Fisher R nr Libby	APR-JUL			150	65%			230
	APR-SEP			165	67%			245
Yaak R nr Troy	APR-JUL			395	90%			440
	APR-SEP			415	90%			460
Kootenai R at Leonia ^{1,2}	APR-JUL			6850	97%			7035
	APR-SEP			7870	97%			8125

1) 90% and 10% exceedance probabilities are actually 95% and 5%

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

		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			1380	85%			1630
	APR-SEP			1520	84%			1800
MF Flathead R nr West Glacier	APR-JUL			1310	82%			1590
	APR-SEP			1430	82%			1740
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL			1680	84%			1995
	APR-SEP			1790	84%			2124
Flathead R at Columbia Falls ²	APR-JUL			4460	83%			5355
	APR-SEP			4850	83%			5825
Ashley Ck nr Marion ²	APR-JUL			4.15	59%			7
Swan R nr Bigfork	APR-JUL			445	79%			565
	APR-SEP			515	80%			645
Flathead Lake Inflow ^{1,2}	APR-JUL			5230	84%			6200
	APR-SEP			5670	84%			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			10.1	72%			14
	APR-SEP			11.7	73%			16
Flint Ck bl Boulder Ck	APR-JUL			34.5	62%			56
	APR-SEP			45	63%			71
Lower Willow Ck Reservoir Inflow ²	APR-JUL			9.4	75%			12.5
	APR-SEP			10	74%			13.5
MF Rock Ck nr Philipsburg	APR-JUL			50	78%			64
	APR-SEP			56	78%			72
Rock Ck nr Clinton	APR-JUL			200	74%			270
	APR-SEP			235	77%			305
Clark Fork R ab Milltown	APR-JUL			525	87%			605
	APR-SEP			610	87%			705
Nevada Ck nr Helmville	APR-JUL			11	65%			17
	APR-SEP			12.2	64%			19
Blackfoot R nr Bonner	APR-JUL			675	84%			805
	APR-SEP			750	84%			892
Clark Fork R ab Missoula	APR-JUL			1200	85%			1415
	APR-SEP			1360	85%			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			115	80%			143
	APR-SEP			125	80%			157
Bitterroot R Nr Darby	APR-JUL			420	91%			460
	APR-SEP			460	89%			514
Como Reservoir Inflow ²	APR-JUL			70	90%			78
	APR-SEP			72	88%			82
Bitterroot R nr Missoula	APR-JUL			1110	89%			1250
	APR-SEP			1210	89%			1364

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APR-JUL	475	61%	780
APR-SEP	520	60%	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			270	69%			390
	APR-SEP			350	70%			500
Ennis Reservoir Inflow ²	APR-JUL			460	68%			680
	APR-SEP			590	69%			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			295	67%			440
	APR-SEP			350	68%			515
Hyalite Reservoir Inflow ²	APR-JUL			15.8	72%			22
	APR-SEP			17.5	70%			25
Gallatin R at Logan	APR-JUL			300	61%			495
	APR-SEP			350	61%			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			11	64%			17.1
	APR-SEP			13	65%			20
Smith R bl Eagle Ck ²	APR-JUL			115	66%			175
	APR-SEP			140	67%			210
NF Musselshell R nr Delpine	APR-JUL			2.4	48%			5
	APR-SEP			2.9	54%			5.4
SF Musselshell R ab Martinsdale	APR-JUL			27	52%			52
	APR-SEP			29	52%			56
Musselshell R at Harlowton ²	APR-JUL			29	38%			77
	APR-SEP			30	37%			81
Musselshell R nr Roundup ²								

APR-JUL	13.3	13%	99
APR-SEP	11	11%	102

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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			270	59%			460
	APR-SEP			310	61%			505
Two Medicine R nr Browning ²								
	APR-JUL			140	68%			205
	APR-SEP			150	70%			215
Badger Ck nr Browning								
	APR-JUL			70	71%			99
	APR-SEP			82	71%			115
Swift Reservoir Inflow ²								
	APR-JUL			40	63%			64
	APR-SEP			50	65%			77
Dupuyer Ck nr Valier								
	APR-JUL			10.2	73%			14
	APR-SEP			11.4	71%			16
Cut Bank Ck nr Browning								
Marias R nr Shelby ²								
	APR-JUL			220	53%			415
	APR-SEP			230	52%			440
Teton R nr Dutton								
	APR-JUL			10	20%			51
	APR-SEP			10.5	18%			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			310	69%			450
St. Mary R at Intl Boundary ²								
	APR-JUL			285	66%			435
	APR-SEP			344	67%			515
Milk R at Western Crossing of Intl Bndry, AB								
	MAR-JUL			17.3	42%			41
	MAR-SEP			18.5	43%			43
Milk R at Eastern Crossing of Intl Bndry								
	MAR-JUL			35.8	43%			83
	MAR-SEP			38.3	44%			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			1475	62%			2390
Dearborn R nr Craig	APR-JUL			70	58%			121
	APR-SEP			75	60%			125
Missouri R at Fort Benton ²	APR-JUL			1590	53%			2990
	APR-SEP			1974	55%			3570
Missouri R nr Virgelle ²	APR-JUL			1750	51%			3450
	APR-SEP			2145	53%			4060
Missouri R nr Landusky ²	APR-JUL			1910	52%			3690
	APR-SEP			2360	54%			4350
Missouri R bl Fort Peck Dam ²	APR-JUL			1895	51%			3740
	APR-SEP			2177	50%			4330
Lake Sakakawea Inflow ²	APR-JUL			5860	60%			9740
	APR-SEP			6660	59%			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			490	83%			590
	APR-SEP			650	81%			805
Yellowstone R at Corwin Springs	APR-JUL			1300	79%			1650
	APR-SEP			1560	79%			1970
Yellowstone R at Livingston	APR-JUL			1495	79%			1900
	APR-SEP			1800	79%			2280
Shields R nr Livingston	APR-JUL			56	39%			145
	APR-SEP			65	40%			162
Boulder R at Big Timber	APR-JUL			208	73%			285
	APR-SEP			215	68%			315
Mystic Lake Inflow ²	APR-JUL			47	80%			59
	APR-SEP			59	78%			76
Stillwater R nr Absarokee ²	APR-JUL			315	64%			495
	APR-SEP			365	62%			585
Clarks Fk Yellowstone R nr Belfry	APR-JUL			370	69%			540
	APR-SEP			405	68%			595
Cooney Reservoir Inflow	APR-JUL			29	62%			47
	APR-SEP			35	61%			57

Yellowstone R at Billings

APR-JUL	2765	79%	3510
APR-SEP	3285	80%	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			800	50%			1610
	APR-SEP			880	50%			1760
Little Bighorn R nr Hardin	APR-JUL			60	47%			128
	APR-SEP			70	49%			144
Tongue R nr Dayton ²	APR-JUL			54	56%			96
	APR-SEP			62	57%			109
Big Goose Ck nr Sheridan								
Little Goose Ck nr Bighorn								
Tongue River Reservoir Inflow ²	APR-JUL			105	48%			220
	APR-SEP			124	50%			250
Yellowstone R at Miles City ²	APR-JUL			3600	67%			5360
	APR-SEP			4190	67%			6210
Powder R at Moorehead	MAR-JUL			95	40%			240
	MAR-SEP			100	38%			265
	APR-JUL			65	32%			205
	APR-SEP			70	30%			230
Powder R nr Locate	MAR-JUL			118	38%			310
	MAR-SEP			125	37%			335
	APR-JUL			70	30%			235
	APR-SEP			77	30%			260
Yellowstone R nr Sidney ²	APR-JUL			3875	71%			5480
	APR-SEP			4353	69%			6280

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 3) Median value used in place of average