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Streamflow Forecast Summary: April 1, 2003
(averages based on 1981-2010 reference period)

KOOTENAI RIVER BASIN in MONTANA	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast 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			112	75%			150
Libby Reservoir Inflow[1]								
	APR-JUL			4480	79%			5638
	APR-SEP			5270	79%			6638
Fisher R nr Libby								
	APR-JUL			164	71%			230
	APR-SEP			178	73%			245
Yaak R nr Troy								
	APR-JUL			345	78%			440
	APR-SEP			360	78%			460
Kootenai R at Leonia[1,2]								
	APR-JUL			5650	80%			7035
	APR-SEP			6520	80%			8125

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3) Median value used in place of average

FLATHEAD RIVER BASIN	Forecast Period	Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast 90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
NF Flathead R nr Columbia Falls								
	APR-JUL			1290	79%			1630
	APR-SEP			1430	79%			1800
MF Flathead R nr West Glacier								
	APR-JUL			1280	81%			1590
	APR-SEP			1400	80%			1740
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow[1,2]								
	APR-JUL			1600	80%			1994
	APR-SEP			1710	81%			2124
Flathead R at Columbia Falls[2]								
	APR-JUL			4290	80%			5355
	APR-SEP			4680	80%			5825
Ashley Ck nr Marion[2]								
	APR			2.2	73%			3
	APR-JUL			4.4	63%			7
Swan R nr Bigfork								
	APR-JUL			430	76%			565
	APR-SEP			480	74%			645
Flathead Lake Inflow[1,2]								
	APR-JUL			5010	81%			6200
	APR-SEP			5440	81%			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			70	92%			76
	APR-SEP			75	89%			84
Flint Ck nr Southern Cross								
	APR-JUL			11.9	85%			14
	APR-SEP			13.8	86%			16
Flint Ck bl Boulder Ck								
	APR-JUL			45	80%			56
	APR-SEP			58	82%			71
Lower Willow Ck Reservoir Inflow[2]								
	APR-JUL			10	80%			12.5
	APR-SEP			10.7	79%			13.5
MF Rock Ck nr Philipsburg								
	APR-JUL			60	94%			64
	APR-SEP			66	92%			72
Rock Ck nr Clinton								
	APR-JUL			230	85%			270
	APR-SEP			260	85%			305
Clark Fork R ab Milltown								
	APR-JUL			515	85%			605
	APR-SEP			600	85%			705
Nevada Ck nr Helmville								
	APR-JUL			13	75%			17.3
	APR-SEP			14.4	76%			19
Blackfoot R nr Bonner								
	APR-JUL			630	78%			805
	APR-SEP			700	78%			892
Clark Fork R ab Missoula								
	APR-JUL			1140	81%			1415
	APR-SEP			1300	82%			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			147	103%			143
	APR-SEP			162	103%			157
Bitterroot R Nr Darby								
	APR-JUL			460	100%			460
	APR-SEP			515	100%			514
Como Reservoir Inflow[2]								
	APR-JUL			77	99%			78
	APR-SEP			81	99%			82
Bitterroot R nr Missoula								
	APR-JUL			1200	96%			1250
	APR-SEP			1310	96%			1364

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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			2330	88%			2660
	APR-SEP			2600	88%			2962
Clark Fork R at St. Regis[1]								
	APR-JUL			3090	88%			3520
	APR-SEP			3440	88%			3907
Clark Fork R nr Plains[1,2]								
	APR-JUL			8350	83%			10100
	APR-SEP			9170	83%			11060
Thompson nr Tompson Falls								
	APR-JUL			133	65%			205
	APR-SEP			151	66%			230
Prospect Ck at Thompson Falls								
	APR-JUL			48	41%			116
	APR-SEP			54	44%			124
Clark Fork R at Whitehorse Rapids[1,2]								
	APR-JUL			9280	82%			11280
	APR-SEP			10200	82%			12460

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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			48	50%			96
	APR-SEP			50	48%			104
Clark Canyon Inflow[2]								
	APR-JUL			50	38%			131
	APR-SEP			60	38%			156
Beaverhead R at Barretts[2]								
	APR-JUL			70	42%			168
	APR-SEP			95	48%			200
Ruby R Reservoir Inflow[2]								
	APR-JUL			48	57%			84
	APR-SEP			60	59%			101
Big Hole R at Wisdom								
	APR-JUL			70	64%			110
	APR-SEP			77	66%			117
Big Hole R nr Melrose								
	APR-JUL			435	71%			610
	APR-SEP			480	73%			660
Jefferson R nr Twin Bridges[2]								
Boulder R nr Boulder								
	APR-JUL			60	77%			78
	APR-SEP			65	76%			85
Willow Ck Reservoir Inflow[2]								
	APR-JUL			10.4	58%			17.9
	APR-SEP			12	60%			20

Jefferson R nr Three Forks[2]								
	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			265	68%			390
	APR-SEP			345	69%			500
Ennis Reservoir Inflow[2]								
	APR-JUL			475	70%			680
	APR-SEP			600	71%			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			300	68%			440
	APR-SEP			360	70%			515
Hyalite Reservoir Inflow[2]								
	APR-JUL			16.9	77%			22
	APR-SEP			19	76%			25
Gallatin R at Logan								
	APR-JUL			280	57%			495
	APR-SEP			340	60%			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			11.3	66%			17
	APR-SEP			13.8	69%			20
Smith R bl Eagle Ck[2]								
	APR-JUL			135	77%			175
	APR-SEP			160	76%			210
NF Musselshell R nr Delpine								
	APR-JUL			2.2	48%			4.6
	APR-SEP			2.7	50%			5.4
SF Musselshell R ab Martinsdale								
	APR-JUL			18.7	36%			52
	APR-SEP			21	38%			56
Musselshell R at Harlowton[2]								
	APR-JUL			31	40%			77
	APR-SEP			34	42%			81

Musselshell R nr Roundup[2]								
	APR-JUL			16.7	17%			99
	APR-SEP			19	19%			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			280	61%			460
	APR-SEP			320	63%			505
Two Medicine R nr Browning[2]								
	APR-JUL			140	68%			205
	APR-SEP			150	70%			215
Badger Ck nr Browning								
	APR-JUL			72	73%			99
	APR-SEP			85	74%			115
Swift Reservoir Inflow[2]								
	APR-JUL			40	63%			64
	APR-SEP			50	65%			77
Dupuyer Ck nr Valier								
	APR-JUL			9.5	68%			14
	APR-SEP			10.7	68%			15.7
Cut Bank Ck nr Browning								
Marias R nr Shelby[2]								
	APR-JUL			280	67%			415
	APR-SEP			295	67%			440
Teton R nr Dutton								
	APR-JUL			30	59%			51
	APR-SEP			35	59%			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								
St. Mary R nr Babb[2]								
	APR-JUL			290	75%			385
	APR-SEP			350	78%			450
St. Mary R at Intl Boundary[2]								
	APR-JUL			330	76%			435
	APR-SEP			395	77%			515
Milk R at Western Crossing of Intl Bndry, AB								
	APR-JUL			23	70%			33
	APR-SEP			25	69%			36
Milk R at Eastern Crossing of Intl Bndry								
	APR-JUL			42	69%			61
	APR-SEP			47	68%			69

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MISSOURI MAINSTEM BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
Missouri R at Toston[2]								
	APR-JUL			1220	60%			2050
	APR-SEP			1430	60%			2390
Dearborn R nr Craig								
	APR-JUL			100	83%			121
	APR-SEP			105	84%			125
Missouri R at Fort Benton[2]								
	APR-JUL			1950	65%			2990
	APR-SEP			2380	67%			3570
Missouri R nr Virgelle[2]								
	APR-JUL			2230	65%			3450
	APR-SEP			2690	66%			4060
Missouri R nr Landusky[2]								
	APR-JUL			2220	60%			3690
	APR-SEP			2710	62%			4350
Missouri R bl Fort Peck Dam[2]								
	APR-JUL			2410	64%			3740
	APR-SEP			2770	64%			4330
Lake Sakakawea Inflow[2]								
	APR-JUL			6010	62%			9740
	APR-SEP			6840	61%			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)
		Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast						
Yellowstone R at Yellowstone Lake Outlet								
	APR-JUL			475	81%			590
	APR-SEP			630	78%			805
Yellowstone R at Corwin Springs								
	APR-JUL			1400	85%			1650
	APR-SEP			1650	84%			1970
Yellowstone R at Livingston								
	APR-JUL			1630	86%			1900
	APR-SEP			1930	85%			2280
Shields R nr Livingston								
	APR-JUL			90	62%			145
	APR-SEP			105	65%			162
Boulder R at Big Timber								
	APR-JUL			240	84%			285
	APR-SEP			255	81%			315
Mystic Lake Inflow[2]								
	APR-JUL			50	85%			59
	APR-SEP			65	86%			76
Stillwater R nr Absarokee[2]								
	APR-JUL			390	79%			495
	APR-SEP			470	80%			585
Clarks Fk Yellowstone R nr Belfry								
	APR-JUL			425	79%			540
	APR-SEP			465	78%			595
Cooney Reservoir Inflow								

	APR-JUL			42	89%			47
	APR-SEP			53	93%			57
Yellowstone R at Billings								
	APR-JUL			2700	77%			3510
	APR-SEP			3300	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			1050	65%			1610
	APR-SEP			1130	64%			1760
Little Bighorn R nr Hardin								
	APR-JUL			85	66%			128
	APR-SEP			95	66%			144
Tongue R nr Dayton[2]								
	APR-JUL			76	79%			96
	APR-SEP			85	78%			109
Big Goose Ck nr Sheridan								
Little Goose Ck nr Bighorn								
Tongue River Reservoir Inflow[2]								
	APR-JUL			140	64%			220
	APR-SEP			160	64%			250
Yellowstone R at Miles City[2]								
	APR-JUL			3800	71%			5360
	APR-SEP			4620	74%			6210
Powder R at Moorehead								
	APR-JUL			140	68%			205
	APR-SEP			155	67%			230
Powder R nr Locate								
	APR-JUL			150	64%			235
	APR-SEP			165	63%			260
Yellowstone R nr Sidney[2]								
	APR-JUL			3850	70%			5480
	APR-SEP			4560	73%			6280

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