

Report Created:
9/30/2014 4:45:39 PM

Streamflow Forecast Summary: May 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	MAY-JUL			115	105%			110
	MAY-SEP			130	105%			124
Libby Reservoir Inflow ¹	MAY-JUL			5290	103%			5121
	MAY-SEP			6290	103%			6117
Fisher R nr Libby	MAY-JUL			145	94%			155
	MAY-SEP			160	94%			170
Yaak R nr Troy	MAY-JUL			375	115%			325
	MAY-SEP			395	114%			345
Kootenai R at Leonia ^{1,2}	MAY-JUL			6160	100%			6167
	MAY-SEP			7260	100%			7250

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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	MAY-JUL			1470	104%			1420
	MAY-SEP			1650	103%			1600
MF Flathead R nr West Glacier	MAY-JUL			1450	104%			1390
	MAY-SEP			1600	104%			1540
Sf Flathead R nr Hungry Horse								
Hungry Horse Reservoir Inflow ^{1,2}	MAY-JUL			1810	106%			1710
	MAY-SEP			1940	106%			1830
Flathead R at Columbia Falls ²	MAY-JUL			4890	106%			4630
	MAY-SEP			5370	105%			5110
Ashley Ck nr Marion ²	MAY			1.75	58%			3
	MAY-JUL			2.75	69%			4
Swan R nr Bigfork	MAY-JUL			490	104%			470
	MAY-SEP			565	103%			550
Flathead Lake Inflow ^{1,2}	MAY-JUL			5680	107%			5330
	MAY-SEP			6220	106%			5850
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	MAY-JUL			35.5	56%			63
	MAY-SEP			41	59%			70
Flint Ck nr Southern Cross	MAY-JUL			8.2	68%			12
	MAY-SEP			10	71%			14
Flint Ck bl Boulder Ck	MAY-JUL			34	71%			48
	MAY-SEP			45	71%			63
Lower Willow Ck Reservoir Inflow ²	MAY-JUL			6.7	67%			10
	MAY-SEP			7.3	66%			11.1
MF Rock Ck nr Philipsburg	MAY-JUL			50	85%			59
	MAY-SEP			57	85%			67
Rock Ck nr Clinton	MAY-JUL			200	83%			240
	MAY-SEP			230	84%			275
Clark Fork R ab Milltown	MAY-JUL			410	80%			510
	MAY-SEP			495	81%			610
Nevada Ck nr Helmville	MAY-JUL			10.2	73%			13.9
	MAY-SEP			11.5	74%			15.5
Blackfoot R nr Bonner	MAY-JUL			710	105%			675
	MAY-SEP			800	105%			765
Clark Fork R ab Missoula	MAY-JUL			1140	96%			1190
	MAY-SEP			1300	95%			1370

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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	MAY-JUL			110	88%			125
	MAY-SEP			120	87%			138
Bitterroot R Nr Darby	MAY-JUL			360	89%			405
	MAY-SEP			410	89%			460
Como Reservoir Inflow ²	MAY-JUL			72	109%			66
	MAY-SEP			77	110%			70
Bitterroot R nr Missoula	MAY-JUL			1010	92%			1100
	MAY-SEP			1110	92%			1210

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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	MAY-JUL			2140	93%			2290
	MAY-SEP			2410	93%			2580
Clark Fork R at St. Regis ¹	MAY-JUL			3010	101%			2980
	MAY-SEP			3370	100%			3370
Clark Fork R nr Plains ^{1,2}	MAY-JUL			8920	103%			8620
	MAY-SEP			9960	104%			9600
Thompson nr Thompson Falls	MAY-JUL			145	91%			159
	MAY-SEP			170	92%			185
Prospect Ck at Thompson Falls	MAY-JUL			85	98%			87
	MAY-SEP			95	99%			96
Clark Fork R at Whitehorse Rapids ^{1,2}	MAY-JUL			9760	102%			9586
	MAY-SEP			10900	102%			10710

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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	MAY-JUL			55	79%			70
	MAY-SEP			61	78%			78
Clark Canyon Inflow ²	MAY-JUL			61	68%			90
	MAY-SEP			78	67%			116
Beaverhead R at Barretts ²	MAY-JUL			87	73%			120
	MAY-SEP			110	72%			153
Ruby R Reservoir Inflow ²	MAY-JUL			40	54%			74
	MAY-SEP			50	55%			91
Big Hole R at Wisdom	MAY-JUL			64	69%			93
	MAY-SEP			70	70%			100
Big Hole R nr Melrose	MAY-JUL			300	58%			520
	MAY-SEP			335	58%			575
Jefferson R nr Twin Bridges ²								
Boulder R nr Boulder	MAY-JUL			43	63%			68
	MAY-SEP			48	64%			75
Willow Ck Reservoir Inflow ²	MAY-JUL			8	53%			15.2
	MAY-SEP			9.5	53%			18

Jefferson R nr Three Forks²

MAY-JUL	305	51%	600
MAY-SEP	345	51%	680

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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	MAY-JUL			290	88%			330
	MAY-SEP			390	89%			440
Ennis Reservoir Inflow ²	MAY-JUL			500	86%			580
	MAY-SEP			650	87%			750

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 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	MAY-JUL			335	83%			405
	MAY-SEP			400	83%			480
Hyalite Reservoir Inflow ²	MAY-JUL			14	70%			20
	MAY-SEP			16.2	70%			23
Gallatin R at Logan	MAY-JUL			325	76%			425
	MAY-SEP			390	77%			505

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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	MAY-JUL			10	67%			15
	MAY-SEP			12	66%			18.1
Smith R bl Eagle Ck ²	MAY-JUL			105	70%			150
	MAY-SEP			135	73%			185
NF Musselshell R nr Delpine	MAY-JUL			2.95	74%			4
	MAY-SEP			3.65	79%			4.6
SF Musselshell R ab Martinsdale	MAY-JUL			27.5	60%			46
	MAY-SEP			30.5	61%			50
Musselshell R at Harlowton ²	MAY-JUL			36.5	56%			65
	MAY-SEP			38.3	56%			69

Musselshell R nr Roundup²

MAY-JUL	31.2	39%	80
MAY-SEP	30.5	37%	82

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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	MAY-JUL			390	94%			415
	MAY-SEP			435	94%			465
Two Medicine R nr Browning ²	MAY-JUL			205	118%			174
	MAY-SEP			220	118%			187
Badger Ck nr Browning	MAY-JUL			95	108%			88
	MAY-SEP			110	106%			104
Swift Reservoir Inflow ²	MAY-JUL			56	98%			57
	MAY-SEP			69	100%			69
Dupuyer Ck nr Valier	MAY-JUL			13.5	116%			11.6
	MAY-SEP			15.5	117%			13.3
Cut Bank Ck nr Browning								
Marias R nr Shelby ²	MAY-JUL			390	113%			345
	MAY-SEP			415	112%			370
Teton R nr Dutton	MAY-JUL			35	83%			42
	MAY-SEP			41	82%			50

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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	MAY-JUL			355	100%			355
	MAY-SEP			425	100%			425
St. Mary R at Intl Boundary ²	MAY-JUL			425	106%			400
	MAY-SEP			500	105%			475
Milk R at Western Crossing of Intl Bndry, AB	MAY-JUL			13.3	67%			20
	MAY-SEP			14.3	62%			23
Milk R at Eastern Crossing of Intl Bndry	MAY-JUL			23.4	56%			42
	MAY-SEP			25.3	52%			49

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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	MAY-JUL			1070	63%			1700
	MAY-SEP			1310	64%			2040
Dearborn R nr Craig	MAY-JUL			85	80%			106
	MAY-SEP			90	82%			110
Missouri R at Fort Benton ²	MAY-JUL			1680	67%			2500
	MAY-SEP			2140	69%			3080
Missouri R nr Virgelle ²	MAY-JUL			2015	70%			2890
	MAY-SEP			2510	72%			3500
Missouri R nr Landusky ²	MAY-JUL			2000	65%			3080
	MAY-SEP			2530	67%			3750
Missouri R bl Fort Peck Dam ²	MAY-JUL			2165	70%			3080
	MAY-SEP			2570	70%			3670
Lake Sakakawea Inflow ²	MAY-JUL			6000	72%			8370
	MAY-SEP			6980	71%			9810

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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	MAY-JUL			465	84%			555
	MAY-SEP			640	83%			770
Yellowstone R at Corwin Springs	MAY-JUL			1350	87%			1550
	MAY-SEP			1640	88%			1870
Yellowstone R at Livingston	MAY-JUL			1540	87%			1770
	MAY-SEP			1890	88%			2150
Shields R nr Livingston	MAY-JUL			85	70%			121
	MAY-SEP			100	72%			138
Boulder R at Big Timber	MAY-JUL			250	91%			275
	MAY-SEP			275	92%			300
Mystic Lake Inflow ²	MAY-JUL			52	91%			57
	MAY-SEP			67	91%			74
Stillwater R nr Absarokee ²	MAY-JUL			350	74%			470
	MAY-SEP			425	76%			560
Clarks Fk Yellowstone R nr Belfry	MAY-JUL			390	76%			515
	MAY-SEP			425	75%			570
Cooney Reservoir Inflow								

Yellowstone R at Billings	MAY-JUL	18.5	49%	38
	MAY-SEP	26	53%	49
	MAY-JUL	2600	80%	3250
	MAY-SEP	3120	81%	3850

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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	MAY-JUL			820	56%			1470
	MAY-SEP			875	54%			1630
Little Bighorn R nr Hardin	MAY-JUL			60	55%			110
	MAY-SEP			70	56%			126
Tongue R nr Dayton ²	MAY-JUL			65	72%			90
	MAY-SEP			77	75%			103
Big Goose Ck nr Sheridan								
Little Goose Ck nr Bighorn								
Tongue River Reservoir Inflow ²	MAY-JUL			165	83%			199
	MAY-SEP			190	84%			225
Yellowstone R at Miles City ²	MAY-JUL			3450	71%			4890
	MAY-SEP			4080	71%			5740
Powder R at Moorehead	MAY-JUL			97	54%			178
	MAY-SEP			115	58%			200
Powder R nr Locate	MAY-JUL			95	49%			195
	MAY-SEP			115	52%			220
Yellowstone R nr Sidney ²	MAY-JUL			3650	74%			4950
	MAY-SEP			4272	74%			5760

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