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Streamflow Forecast Summary: May 1, 2010
(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								
Libby Reservoir Inflow ¹								
	MAY-JUL	2720	3280	3530	69%	3780	4340	5120
	MAY-SEP	3230	3910	4220	69%	4530	5210	6120
Fisher R nr Libby								
	MAY-JUL	50	73	89	57%	105	128	155
	MAY-SEP	55	80	97	57%	114	139	170
Yaak R nr Troy								
	MAY-JUL	87	137	171	49%	205	255	350
	MAY-SEP	93	145	181	49%	215	270	370
Kootenai R at Leonia ^{1,2}								
	MAY-JUL	2940	3860	4280	69%	4700	5620	6170
	MAY-SEP	3760	4630	5020	69%	5410	6280	7250

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

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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								
	MAY-JUL	785	910	1000	70%	1090	1220	1420
	MAY-SEP	875	1020	1120	70%	1220	1360	1600
MF Flathead R nr West Glacier								
	MAY-JUL	750	865	940	68%	1020	1130	1390
	MAY-SEP	830	955	1040	68%	1130	1250	1540
Sf Flathead R nr Hungry Horse								
	MAY-JUL	755	815	860	78%	905	965	1100
	MAY-SEP	810	880	930	78%	980	1050	1200
Hungry Horse Reservoir Inflow ^{1,2}								
	MAY-JUL	1020	1200	1280	75%	1360	1540	1710
	MAY-SEP	1070	1280	1370	74%	1460	1670	1840
Flathead R at Columbia Falls ²								
	MAY-JUL	2600	2970	3220	70%	3470	3840	4630
	MAY-SEP	2820	3250	3540	69%	3830	4260	5110
Ashley Ck nr Marion ²								
	MAY	0.28	0.9	1.33	48%	1.76	2.4	2.8
	MAY-JUL	0.23	1.29	2	44%	2.7	3.8	4.5
Swan R nr Bigfork								
	MAY-JUL	380	420	450	96%	480	520	470
	MAY-SEP	445	495	525	95%	555	605	550
Flathead Lake Inflow ^{1,2}								
	MAY-JUL	2630	3320	3630	68%	3940	4630	5320
	MAY-SEP	2810	3620	3990	68%	4360	5170	5840
Mill Ck ab Bassoo ck nr Niarada								
	MAY-JUL	0.63	1.37	1.87	67%	2.4	3.1	2.8
	MAY-SEP	0.82	1.58	2.1	68%	2.6	3.4	3.1
South Crow Ck nr Ronan								
	MAY-JUL	6.4	7.6	8.4	91%	9.2	10.4	9.2
	MAY-SEP	7.5	8.8	9.7	92%	10.6	11.9	10.6
Mission Ck nr St. Ignatius								
	MAY-JUL	18	20	22	92%	24	26	24
	MAY-SEP	21	24	26	93%	28	31	28

SF Jocko R nr Arlee

MAY-JUL	16.7	22	25	86%	28	33	29
MAY-SEP	19.6	25	28	85%	31	36	33

NF Jocko R bl Tabor Feeder Canal

MAY-JUL	22	24	26	96%	28	30	27
MAY-SEP	24	26	28	97%	30	32	29

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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	12	27	38	60%	49	64	63
	MAY-SEP	13.6	30	42	60%	54	70	70
Flint Ck nr Southern Cross	MAY-JUL	1.76	4.9	7.1	61%	9.3	12.4	11.7
	MAY-SEP	1.05	5.6	8.7	61%	11.8	16.4	14.2
Flint Ck bl Boulder Ck	MAY-JUL	12.2	24	32	67%	40	52	48
	MAY-SEP	18	32	42	67%	52	66	63
Lower Willow Ck Reservoir Inflow ²	MAY	0.3	1.66	2.8	47%	3.9	5.6	5.9
	MAY-JUL	0.51	2.9	4.8	47%	6.7	9.4	10.2
MF Rock Ck nr Philipsburg	MAY-JUL	22	31	37	63%	43	52	59
	MAY-SEP	26	35	42	63%	49	58	67
Rock Ck nr Clinton	MAY-JUL	82	115	137	57%	159	192	240
	MAY-SEP	95	132	157	57%	182	220	275
Clark Fork R ab Milltown	MAY-JUL	105	200	265	52%	330	425	510
	MAY-SEP	129	240	315	52%	390	500	610
Nevada Ck nr Helmville	MAY	0.21	1.27	2.8	41%	4.3	6.6	6.9
	MAY-JUL	0.42	2.8	5.7	41%	8.6	12.8	13.9
Blackfoot R nr Bonner	MAY-JUL	210	290	340	50%	390	470	675
	MAY-SEP	240	325	380	50%	435	520	765
Clark Fork R ab Missoula	MAY-JUL	365	510	610	51%	710	855	1190
	MAY-SEP	425	590	705	51%	820	985	1370

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 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	MAY-JUL	18.2	39	53	42%	67	88	125
	MAY-SEP	16.3	41	58	42%	75	100	138
Bitterroot R Nr Darby	MAY-JUL	88	149	190	47%	230	290	405
	MAY-SEP	120	182	225	49%	270	330	460
Como Reservoir Inflow ²	MAY-JUL	28	36	42	64%	48	56	66

Bitterroot R nr Missoula	MAY-SEP	30	39	45	64%	51	60	70
	MAY-JUL	325	460	550	50%	640	775	1100
	MAY-SEP	425	570	670	55%	770	915	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	745	985	1150	50%	1310	1550	2290
	MAY-SEP	845	1120	1310	51%	1500	1780	2580
Clark Fork R at St. Regis ¹	MAY-JUL	780	1250	1460	49%	1670	2140	2980
	MAY-SEP	900	1430	1670	50%	1910	2440	3370
Clark Fork R nr Plains ^{1,2}	MAY-JUL	3480	4660	5190	60%	5720	6900	8630
	MAY-SEP	3770	5160	5790	60%	6420	7810	9610
Thompson nr Thompson Falls	MAY-JUL	16.6	45	64	40%	83	111	159
	MAY-SEP	22	53	74	40%	95	126	185
Prospect Ck at Thompson Falls	MAY-JUL	10.4	22	30	34%	38	50	87
	MAY-SEP	12.7	25	33	34%	41	53	96
Clark Fork R at Whitehorse Rapids ^{1,2}	MAY-JUL	4000	5310	5910	62%	6510	7820	9590
	MAY-SEP	4370	5910	6610	62%	7310	8850	10700

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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	12.2	23	31	44%	39	50	70
	MAY-SEP	9.7	23	32	41%	41	54	78
Clark Canyon Inflow ²	MAY-JUL	15.6	24	39	43%	63	98	90
	MAY-SEP	21	31	52	45%	78	115	116
Beaverhead R at Barretts ²	MAY-JUL	24	37	61	51%	99	154	120
	MAY-SEP	32	49	80	52%	125	192	153
Ruby R Reservoir Inflow ²	MAY-JUL	34	48	57	77%	66	80	74
	MAY-SEP	44	60	71	78%	82	98	91
Big Hole R at Wisdom	MAY-JUL	16.4	24	41	43%	59	86	95
	MAY-SEP	18.4	26	46	44%	66	95	104
Big Hole R nr Melrose	MAY-JUL	149	210	250	48%	290	350	520
	MAY-SEP	169	240	285	50%	330	400	575
Jefferson R nr Twin Bridges ²	MAY-JUL	108	161	270	43%	380	540	635
	MAY-SEP	122	177	305	43%	435	625	710

Boulder R nr Boulder	MAY-JUL	22	33	40	59%	47	58	68
	MAY-SEP	23	36	44	59%	52	65	75
Willow Ck Reservoir Inflow ²	MAY-JUL	4.3	7.6	10.8	71%	14	18.7	15.2
	MAY-SEP	5	9.1	12.5	71%	15.9	21	17.5
Jefferson R nr Three Forks ²	MAY-JUL	120	182	300	50%	420	590	600
	MAY-SEP	138	210	345	51%	480	675	680

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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	MAY-JUL	168	199	220	66%	240	270	335
	MAY-SEP	240	275	300	67%	325	360	445
Ennis Reservoir Inflow ²	MAY-JUL	270	335	380	66%	425	490	580
	MAY-SEP	370	445	500	67%	555	630	750

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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	MAY-JUL	240	285	310	77%	335	380	405
	MAY-SEP	290	340	370	77%	400	450	480
Hyalite Reservoir Inflow ²	MAY-JUL	14.4	16.2	17.4	87%	18.6	20	20
	MAY-SEP	16.6	18.6	20	87%	21	23	23
Gallatin R at Logan	MAY-JUL	157	235	285	67%	335	415	425
	MAY-SEP	190	280	345	68%	410	500	505

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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	MAY-JUL	11.7	14.7	16.7	111%	18.7	22	15.1
	MAY-SEP	13.7	17.3	19.8	109%	22	26	18.1
Smith R bl Eagle Ck ²	MAY-JUL	61	88	107	94%	126	153	114
	MAY-SEP	67	100	123	95%	146	179	130
NF Musselshell R nr Delpine	MAY-JUL	1.4	2.4	3.4	92%	4.4	5.8	3.7
	MAY-SEP	1.7	3	4.2	91%	5.4	7	4.6

SF Musselshell R ab Martinsdale								
	MAY-JUL	15.2	25	38	83%	51	70	46
	MAY-SEP	16	27	40	80%	53	73	50
Musselshell R at Harlowton ²								
	MAY-JUL	19.6	28	49	75%	70	101	65
	MAY-SEP	20	29	50	72%	72	105	69
Musselshell R nr Roundup ²								
	MAY-JUL	23	41	53	66%	65	83	80
	MAY-SEP	22	41	54	66%	67	86	82

		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	166	205	230	55%	255	295	415
	MAY-SEP	193	235	265	57%	295	335	465
Two Medicine R nr Browning ²	MAY-JUL	68	88	101	58%	114	134	174
	MAY-SEP	75	96	111	59%	126	147	187
Badger Ck nr Browning	MAY-JUL	27	38	45	59%	52	63	76
	MAY-SEP	29	42	51	60%	60	73	85
Swift Reservoir Inflow ²	MAY-JUL	24	34	40	70%	46	56	57
	MAY-SEP	30	41	49	71%	57	68	69
Dupuyer Ck nr Valier	MAY-JUL	2.4	3.9	6	52%	10.4	16.8	11.6
	MAY-SEP	2.8	4.5	6.9	52%	11.8	19	13.3
Cut Bank Ck nr Browning	MAY-JUL	24	35	42	61%	49	60	69
	MAY-SEP	26	38	46	61%	54	66	76
Marias R nr Shelby ²	MAY-JUL	71	119	177	51%	235	320	345
	MAY-SEP	80	135	200	54%	265	360	370
Teton R nr Dutton	MAY-JUL	8.8	14	22	52%	37	59	42
	MAY-SEP	10.8	16.8	27	54%	43	67	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								
	MAY-JUL	60	68	74	79%	80	88	94
	MAY-SEP	72	81	88	79%	95	104	112
St. Mary R nr Babb ²								
	MAY-JUL	230	265	290	82%	315	350	355
	MAY-SEP	270	310	340	80%	370	410	425
St. Mary R at Intl Boundary ²								
	MAY-JUL	240	290	325	81%	360	410	400
	MAY-SEP	290	345	385	81%	425	480	475
Milk R at Western Crossing of Intl Bndry, AB								

Milk R at Eastern Crossing of Intl Bndry	MAY-JUL	4.7	12.6	16.8	84%	20	25	20
	MAY-SEP	5.7	15	19.9	87%	24	29	23
	MAY-JUL	8.5	22	30	72%	36	45	41.8
	MAY-SEP	10.6	27	36	74%	43	54	48.9

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

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	410	765	970	57%	1160	1530	1700
	MAY-SEP	495	930	1160	57%	1390	1830	2040
Dearborn R nr Craig	MAY-JUL	22	38	55	52%	72	98	106
	MAY-SEP	24	43	61	55%	79	106	110
Missouri R at Fort Benton ²	MAY-JUL	730	1200	1550	62%	1880	2350	2500
	MAY-SEP	895	1490	1900	62%	2310	2900	3080
Missouri R nr Virgelle ²	MAY-JUL	905	1440	1850	64%	2230	2770	2890
	MAY-SEP	1080	1770	2230	64%	2690	3380	3500
Missouri R nr Landusky ²	MAY-JUL	800	1440	1850	60%	2280	2930	3080
	MAY-SEP	965	1760	2260	60%	2760	3550	3750
Missouri R bl Fort Peck Dam ²	MAY-JUL	925	1500	1910	62%	2340	2920	3080
	MAY-SEP	1090	1800	2290	62%	2780	3490	3670
Lake Sakakawea Inflow ²	MAY-JUL	2510	3740	4850	58%	5960	7110	8370
	MAY-SEP	2970	4370	5670	58%	6970	8370	9810

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast

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	245	305	345	62%	385	445	555
	MAY-SEP	340	415	465	60%	515	590	770
Yellowstone R at Corwin Springs	MAY-JUL	730	880	985	64%	1090	1240	1550
	MAY-SEP	855	1040	1170	63%	1300	1480	1870
Yellowstone R at Livingston	MAY-JUL	795	980	1110	63%	1240	1430	1770
	MAY-SEP	960	1190	1340	62%	1490	1720	2150
Shields R nr Livingston	MAY-JUL	35	74	101	83%	128	167	121
	MAY-SEP	36	81	111	80%	141	186	138
Boulder R at Big Timber	MAY-JUL	164	195	215	78%	235	265	275
	MAY-SEP	170	205	230	77%	255	290	300
Mystic Lake Inflow ²	MAY-JUL	36	40	43	74%	46	50	58

Stillwater R nr Absarokee ²	MAY-SEP	45	52	56	75%	60	67	75
	MAY-JUL	225	275	310	66%	345	395	470
Clarks Fk Yellowstone R nr Belfry	MAY-SEP	265	330	370	66%	410	475	560
	MAY-JUL	255	295	325	63%	355	395	515
Cooney Reservoir Inflow	MAY-SEP	260	310	345	61%	380	430	570
Yellowstone R at Billings	MAY-JUL	1200	1710	2050	63%	2370	2900	3250
	MAY-SEP	1410	2010	2420	63%	2830	3430	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	605	840	1000	68%	1160	1390	1470
	MAY-SEP	640	900	1080	66%	1260	1520	1630
Little Bighorn R nr Hardin	MAY-JUL	36	54	66	60%	78	96	110
	MAY-SEP	46	65	78	62%	91	110	126
Tongue R nr Dayton ²	MAY-JUL	39	55	66	73%	77	93	90
	MAY-SEP	48	65	77	75%	89	106	103
Big Goose Ck nr Sheridan	MAY-JUL	19.4	28	33	67%	38	47	49
	MAY-SEP	24	32	38	66%	44	52	58
Little Goose Ck nr Bighorn	MAY-JUL	13.6	18.6	22	69%	25	30	32
	MAY-SEP	19	24	28	70%	32	37	40
Tongue River Reservoir Inflow ²	MAY-JUL	35	89	125	63%	161	215	199
	MAY-SEP	44	101	140	62%	179	235	225
Yellowstone R at Miles City ²	MAY-JUL	1660	2460	2980	61%	3470	4260	4890
	MAY-SEP	1980	2870	3480	61%	4090	4980	5740
Powder R at Moorehead	MAY-JUL	24	72	107	60%	142	193	178
	MAY-SEP	48	84	120	60%	156	210	200
Powder R nr Locate	MAY-JUL	46	71	115	59%	159	225	195
	MAY-SEP	51	79	127	58%	175	245	220
Yellowstone R nr Sidney ²	MAY-JUL	1520	2300	2820	57%	3320	4120	4950
	MAY-SEP	1760	2660	3270	57%	3880	4780	5760

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