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Streamflow Forecast Summary: April 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	APR-JUL	50	69	81	60%	93	112	136
	APR-SEP	54	76	90	60%	104	126	150
Libby Reservoir Inflow ¹	APR-JUL	2980	3570	3840	68%	4110	4700	5640
	APR-SEP	3530	4220	4540	68%	4860	5550	6640
Fisher R nr Libby	APR-JUL	57	85	104	45%	123	151	230
	APR-SEP	60	90	110	45%	130	160	245
Yaak R nr Troy	APR-JUL	143	200	240	52%	280	335	465
	APR-SEP	154	215	255	52%	295	355	490
Kootenai R at Leona ^{1,2}	APR-JUL	3660	4500	4890	69%	5280	6120	7040
	APR-SEP	4240	5170	5600	69%	6030	6960	8120

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		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	805	970	1080	67%	1190	1350	1620
	APR-SEP	895	1080	1200	67%	1320	1500	1800
MF Flathead R nr West Glacier	APR-JUL	795	935	1030	65%	1130	1270	1590
	APR-SEP	870	1020	1130	65%	1240	1390	1740
Sf Flathead R nr Hungry Horse	APR-JUL	580	765	890	71%	1020	1200	1250
	APR-SEP	715	850	940	71%	1030	1170	1330
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1010	1290	1420	71%	1550	1830	2000
	APR-SEP	1050	1360	1500	71%	1640	1950	2120
Flathead R at Columbia Falls ²	APR-JUL	2780	3260	3590	67%	3920	4400	5350
	APR-SEP	2980	3530	3900	67%	4270	4820	5820
Ashley Ck nr Marion ²	APR	-0.39	0.67	1.38	51%	2.1	3.2	2.7
	APR-JUL	-1.01	1.26	2.8	39%	4.3	6.6	7.2
	APR-SEP	0.4	0.69	2.3	34%	3.9	6.3	6.73
Swan R nr Bigfork	APR-JUL	385	440	475	84%	510	565	565
	APR-SEP	435	500	540	84%	580	645	645
Flathead Lake Inflow ^{1,2}	APR-JUL	2820	3690	4080	66%	4470	5340	6180
	APR-SEP	2990	3980	4430	66%	4880	5870	6700
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	0.08	0.92	1.48	36%	2	2.9	4.1
	APR-SEP	0.12	0.99	1.58	36%	2.2	3	4.4
South Crow Ck nr Ronan	APR-JUL	6.2	7.6	8.6	85%	9.6	11	10.1
	APR-SEP	7.1	8.7	9.8	85%	10.9	12.5	11.5
Mission Ck nr St. Ignatius								

SF Jocko R nr Arlee	APR-JUL	16.8	19.3	21	84%	23	25	25
	APR-SEP	19.4	23	25	83%	27	31	30
NF Jocko R bl Tabor Feeder Canal	APR-JUL	14.1	20	24	80%	28	34	30
	APR-SEP	16.8	23	27	79%	31	37	34
	APR-JUL	21	23	25	81%	27	29	31
	APR-SEP	22	24	26	79%	28	30	33

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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

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	16.2	36	50	66%	64	84	76
	APR-SEP	19	40	55	65%	70	91	84
Flint Ck nr Southern Cross	APR-JUL	2.6	6.3	8.9	65%	11.5	15.2	13.7
	APR-SEP	1.59	6.9	10.5	65%	14.1	19.4	16.2
Flint Ck bl Boulder Ck	APR-JUL	12.2	26	36	64%	46	60	56
	APR-SEP	15.7	33	45	63%	57	74	71
Lower Willow Ck Reservoir Inflow ²	APR-MAY	0.5	2.7	4.2	51%	5.7	7.9	8.2
	APR-JUL	0.03	3.6	6	48%	8.4	12	12.5
MF Rock Ck nr Philipsburg	APR-JUL	21	31	37	58%	43	53	64
	APR-SEP	24	35	42	58%	49	60	72
Rock Ck nr Clinton	APR-JUL	81	128	159	59%	190	235	270
	APR-SEP	94	145	180	59%	215	265	305
Clark Fork R ab Milltown	APR-JUL	93	230	320	53%	410	545	605
	APR-SEP	122	275	375	53%	475	630	705
Nevada Ck nr Helmville	APR-MAY	-0.79	2.3	4.4	43%	6.5	9.6	10.3
	APR-JUL	-1.24	3.9	7.4	43%	10.9	16	17.3
Blackfoot R nr Bonner	APR-JUL	225	340	420	52%	500	615	805
	APR-SEP	255	380	465	52%	550	675	890
Clark Fork R ab Missoula	APR-JUL	355	585	740	52%	895	1130	1410
	APR-SEP	420	670	840	53%	1010	1260	1600

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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	19	44	61	43%	78	103	143
	APR-SEP	24	50	68	43%	86	112	157
Bitterroot R Nr Darby	APR-JUL	94	166	215	47%	265	335	460
	APR-SEP	119	191	240	47%	290	360	515

Como Reservoir Inflow²

APR-JUL	29	37	43	55%	49	57	78
APR-SEP	30	39	45	55%	51	60	82

Bitterroot R nr Missoula

APR-JUL	330	490	600	48%	710	870	1250
APR-SEP	370	545	660	48%	775	950	1370

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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	705	1080	1330	50%	1580	1960	2660
	APR-SEP	795	1200	1480	50%	1760	2170	2960
Clark Fork R at St. Regis ¹	APR-JUL	820	1490	1800	51%	2110	2780	3520
	APR-SEP	930	1660	1990	51%	2320	3050	3910
Clark Fork R nr Plains ^{1,2}	APR-JUL	3660	5210	5910	59%	6610	8160	10100
	APR-SEP	3950	5700	6490	58%	7280	9030	11100
Thompson nr Thompson Falls	APR-JUL	7	40	62	30%	84	117	205
	APR-SEP	9.8	45	69	30%	93	128	230
Prospect Ck at Thompson Falls	APR-JUL	15.9	27	35	30%	43	54	116
	APR-SEP	17.1	29	37	30%	45	57	124
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	4340	6000	6750	60%	7500	9160	11300
	APR-SEP	4800	6660	7500	60%	8340	10200	12500

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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	27	37	44	46%	51	61	96
	APR-SEP	25	37	45	43%	53	65	104
Clark Canyon Inflow ²	APR-JUL	13.6	23	34	26%	61	101	131
	APR-SEP	16.4	26	41	26%	70	112	156
Beaverhead R at Barretts ²	APR-JUL	24	39	60	36%	102	165	168
	APR-SEP	29	46	73	37%	123	197	200
Ruby R Reservoir Inflow ²	APR-JUL	32	45	54	64%	63	76	84
	APR-SEP	40	55	66	65%	77	92	101
Big Hole R at Wisdom	APR-JUL	16.8	26	42	35%	68	107	121
	APR-SEP	18.4	29	46	35%	75	117	130
Big Hole R nr Melrose	APR-JUL	125	215	280	46%	345	435	610
	APR-SEP	143	245	315	48%	385	485	660
Jefferson R nr Twin Bridges ²								

Boulder R nr Boulder	APR-JUL	122	172	305	39%	440	635	785
	APR-SEP	134	184	335	38%	485	710	880
Willow Ck Reservoir Inflow ²	APR-JUL	22	36	46	59%	56	70	78
	APR-SEP	22	38	49	58%	60	76	85
Jefferson R nr Three Forks ²	APR-JUL	3	7.6	10.7	60%	13.8	18.4	17.9
	APR-SEP	3.4	8.5	12	60%	15.5	21	20
	APR-JUL	138	205	345	44%	485	685	780
	APR-SEP	146	210	365	42%	520	745	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	199	230	250	63%	270	300	395
	APR-SEP	265	300	325	64%	350	385	505
Ennis Reservoir Inflow ²	APR-JUL	290	360	410	60%	460	530	680
	APR-SEP	390	470	525	62%	580	660	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	220	275	310	70%	345	400	440
	APR-SEP	260	325	365	71%	405	470	515
Hyalite Reservoir Inflow ²	APR-JUL	14.3	16.3	17.7	80%	19.1	21	22
	APR-SEP	16.5	18.6	20	80%	21	23	25
Gallatin R at Logan	APR-JUL	142	235	300	61%	365	460	495
	APR-SEP	162	270	345	61%	420	530	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	7.5	10.7	12.9	75%	15.1	18.3	17.1
	APR-SEP	8.4	12.3	15	75%	17.7	22	20
Smith R bl Eagle Ck ²	APR-JUL	33	64	85	64%	106	137	133
	APR-SEP	32	69	95	64%	121	158	149
NF Musselshell R nr Delpine								

SF Musselshell R ab Martinsdale	APR-JUL	1.5	2.6	3.4	74%	4.2	5.3	4.6
	APR-SEP	1.94	3.2	4.1	76%	5	6.3	5.4
Musselshell R at Harlowton ²	APR-JUL	14.4	25	36	69%	47	63	52
	APR-SEP	15.6	27	39	70%	51	69	56
Musselshell R nr Roundup ²	APR-JUL	19.2	28	48	62%	68	99	77
	APR-SEP	20	28	50	62%	72	105	81
	APR-JUL	19.2	33	48	48%	90	153	99
	APR-SEP	19.6	33	49	48%	91	153	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	148	197	230	50%	265	310	460
	APR-SEP	175	230	265	52%	300	355	505
Two Medicine R nr Browning ²	APR-JUL	74	97	113	55%	129	152	205
	APR-SEP	81	106	122	57%	138	163	215
Badger Ck nr Browning	APR-JUL	24	37	46	53%	55	68	86
	APR-SEP	27	42	52	55%	62	77	95
Swift Reservoir Inflow ²	APR-JUL	22	33	40	63%	47	58	64
	APR-SEP	29	41	50	65%	59	71	77
Dupuyer Ck nr Valier	APR-JUL	2.4	4	6	43%	10.8	17.9	14
	APR-SEP	2.7	4.5	6.8	43%	12.1	20	15.7
Cut Bank Ck nr Browning	APR-JUL	27	39	47	61%	55	67	77
	APR-SEP	28	41	50	60%	59	72	84
Marias R nr Shelby ²	APR-JUL	68	104	170	41%	235	335	415
	APR-SEP	70	103	176	40%	250	355	440
Teton R nr Dutton	APR-JUL	4.7	8.9	11.7	23%	29	55	51
	APR-SEP	5.5	10.2	13.7	23%	33	61	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	APR-JUL	62	70	76	72%	82	90	105
	APR-SEP	73	82	89	73%	96	105	122
St. Mary R nr Babb ²	APR-JUL	210	250	275	71%	300	340	385
	APR-SEP	245	290	320	71%	350	395	450
St. Mary R at Intl Boundary ²	APR-JUL	215	270	310	71%	350	405	435

Milk R at Western Crossing of Intl Bndry, AB	APR-SEP	265	325	365	71%	405	465	515
	APR-JUL	6.5	12	16.3	49%	21	27	33
Milk R at Eastern Crossing of Intl Bndry	APR-SEP	7.4	13.3	18.4	51%	23	31	36
	APR-JUL	12.8	19.3	32	53%	49	74	60.6
	APR-SEP	15.6	23	39	56%	57	85	69.2

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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	330	770	1000	49%	1230	1660	2050
	APR-SEP	380	880	1160	49%	1440	1940	2390
Dearborn R nr Craig	APR-JUL	23	38	57	47%	76	105	121
	APR-SEP	25	43	63	50%	83	114	125
Missouri R at Fort Benton ²	APR-JUL	720	1300	1700	57%	2100	2660	2990
	APR-SEP	840	1550	2020	57%	2490	3190	3570
Missouri R nr Virgelle ²	APR-JUL	770	1440	1900	55%	2360	3030	3450
	APR-SEP	890	1690	2230	55%	2770	3570	4060
Missouri R nr Landusky ²	APR-JUL	710	1430	1920	52%	2410	3130	3690
	APR-SEP	815	1670	2250	52%	2830	3690	4350
Missouri R bl Fort Peck Dam ²	APR-JUL	755	1480	1980	53%	2480	3200	3740
	APR-SEP	855	1710	2280	53%	2850	3710	4330
Lake Sakakawea Inflow ²	APR-JUL	1850	3870	5160	53%	6450	8350	9740
	APR-SEP	2180	4410	5890	53%	7370	9600	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	240	295	335	57%	375	430	590
	APR-SEP	315	390	440	55%	490	565	805
Yellowstone R at Corwin Springs	APR-JUL	765	935	1050	64%	1160	1330	1650
	APR-SEP	880	1090	1230	62%	1370	1580	1970
Yellowstone R at Livingston	APR-JUL	840	1050	1200	63%	1350	1560	1900
	APR-SEP	980	1240	1410	62%	1580	1840	2280
Shields R nr Livingston	APR-JUL	34	74	101	70%	128	168	145
	APR-SEP	35	80	111	69%	142	187	162
Boulder R at Big Timber	APR-JUL	148	188	215	75%	240	280	285
	APR-SEP	152	198	230	73%	260	310	315

Mystic Lake Inflow ²	APR-JUL	37	41	44	73%	47	51	60
	APR-SEP	45	52	56	73%	60	67	77
Stillwater R nr Absarokee ²	APR-JUL	235	290	330	67%	370	425	495
	APR-SEP	265	335	380	65%	425	495	585
Clarks Fk Yellowstone R nr Belfry	APR-JUL	255	305	340	63%	375	425	540
	APR-SEP	265	320	360	61%	400	455	595
Cooney Reservoir Inflow								
Yellowstone R at Billings	APR-JUL	1230	1900	2180	62%	2460	3090	3510
	APR-SEP	1460	2200	2540	62%	2880	3620	4120

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

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	320	545	790	49%	1040	1430	1610
	APR-SEP	340	570	850	48%	1130	1550	1760
Little Bighorn R nr Hardin	APR-JUL	33	61	78	61%	95	124	128
	APR-SEP	37	69	88	61%	107	139	144
Tongue R nr Dayton ²	APR-JUL	36	52	63	66%	74	90	96
	APR-SEP	42	60	72	66%	84	102	109
Big Goose Ck nr Sheridan	APR-JUL	14.1	24	30	58%	36	46	52
	APR-SEP	17.7	27	34	57%	41	50	60
Little Goose Ck nr Bighorn	APR-JUL	11.1	17	21	62%	25	31	34
	APR-SEP	15.2	22	26	62%	30	37	42
Tongue River Reservoir Inflow ²	APR-JUL	46	75	115	52%	155	215	220
	APR-SEP	49	81	123	49%	165	230	250
Yellowstone R at Miles City ²	APR-JUL	1660	2590	3060	57%	3530	4450	5360
	APR-SEP	1910	2960	3540	57%	4120	5160	6210
Powder R at Moorehead	APR-JUL	41	59	102	50%	149	215	205
	APR-SEP	46	67	114	50%	162	235	230
Powder R nr Locate	APR-JUL	46	68	114	49%	170	250	235
	APR-SEP	50	73	124	48%	184	270	260
Yellowstone R nr Sidney ²	APR-JUL	1590	2480	3070	56%	3660	4520	5480
	APR-SEP	1850	2750	3490	56%	4230	5140	6280

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