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Streamflow Forecast Summary: June 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	JUN-JUL	26	37	44	71%	51	62	62
	JUN-SEP	33	46	55	72%	64	77	76
Libby Reservoir Inflow ¹	JUN-JUL	1820	2290	2510	73%	2730	3200	3440
	JUN-SEP	2350	3000	3290	74%	3580	4230	4440
Fisher R nr Libby	JUN-JUL	24	36	44	65%	52	64	68
	JUN-SEP	32	46	55	65%	64	78	84
Yaak R nr Troy	JUN-JUL	38	64	82	57%	100	126	144
	JUN-SEP	47	75	95	57%	115	143	166
Kootenai R at Leona ^{1,2}	JUN-JUL	2100	2690	2960	76%	3230	3820	3920
	JUN-SEP	2750	3470	3800	76%	4130	4850	5000

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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	JUN-JUL	585	705	785	95%	865	985	830
	JUN-SEP	725	860	950	95%	1040	1180	1000
MF Flathead R nr West Glacier	JUN-JUL	510	605	665	81%	725	820	825
	JUN-SEP	620	720	790	81%	860	960	975
Sf Flathead R nr Hungry Horse	JUN-JUL	510	555	585	90%	615	660	650
	JUN-SEP	570	625	660	90%	695	750	730
Hungry Horse Reservoir Inflow ^{1,2}	JUN-JUL	710	840	895	93%	950	1080	960
	JUN-SEP	795	945	1010	93%	1080	1230	1090
Flathead R at Columbia Falls ²	JUN-JUL	1820	2100	2300	86%	2500	2780	2690
	JUN-SEP	2170	2500	2720	86%	2940	3270	3160
Ashley Ck nr Marion ²	JUN-JUL	0.08	0.16831	0.7	43%	1.23169	2	1.61
	JUN-SEP	0.09	0.25	0.5	45%	1.33	2	1.1
Swan R nr Bigfork	JUN-JUL	285	315	335	110%	355	385	305
	JUN-SEP	365	400	425	110%	450	485	385
Flathead Lake Inflow ^{1,2}	JUN-JUL	1910	2430	2660	86%	2890	3410	3100
	JUN-SEP	2220	2830	3110	86%	3390	4000	3620
Mill Ck ab Bassoo ck nr Niarada	JUN-JUL	0.39	0.69	0.9	71%	1.11	1.41	1.26
	JUN-SEP	0.58	0.92	1.15	72%	1.38	1.72	1.6
South Crow Ck nr Ronan	JUN-JUL	5.4	6.5	7.2	113%	7.9	9	6.4
	JUN-SEP	6.7	7.9	8.7	112%	9.5	10.7	7.8
Mission Ck nr St. Ignatius	JUN-JUL	13.3	15.2	16.5	95%	17.8	19.7	17.4

SF Jocko R nr Arlee	JUN-SEP	16.6	19.2	21	95%	23	25	22.1
	JUN-JUL	14.5	17.8	20	121%	22	25	16.5
NF Jocko R bl Tabor Feeder Canal	JUN-SEP	19.2	23	25	123%	27	31	20.4
	JUN-JUL	11.1	13	14.4	97%	15.8	17.7	14.8
	JUN-SEP	12.4	14.5	15.9	96%	17.3	19.4	16.6

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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	JUN-JUL	24	32	38	119%	44	52	32
	JUN-SEP	29	39	46	118%	53	63	39
Flint Ck nr Southern Cross	JUN-JUL	1.41	3.2	4.5	58%	5.8	7.6	7.7
	JUN-SEP	1.87	4.3	5.9	58%	7.5	9.9	10.2
Flint Ck bl Boulder Ck	JUN-JUL	13.7	21	26	79%	31	38	33
	JUN-SEP	22	32	38	79%	44	54	48
Lower Willow Ck Reservoir Inflow ²	JUN-JUL	1.07	1.9	2.6	60%	3.4	4.8	4.3
	JUN-SEP	1.53	2.5	3.3	62%	4.2	5.7	5.3
MF Rock Ck nr Philipsburg	JUN-JUL	24	30	34	87%	38	44	39
	JUN-SEP	29	36	41	87%	46	53	47
Rock Ck nr Clinton	JUN-JUL	68	96	115	78%	134	162	148
	JUN-SEP	87	120	143	78%	166	199	183
Clark Fork R ab Milltown	JUN-JUL	140	210	255	81%	300	370	315
	JUN-SEP	186	270	330	80%	390	475	410
Nevada Ck nr Helmville	JUN-JUL	2.2	3.6	4.6	66%	5.6	7	7
	JUN-SEP	2.8	4.4	5.5	65%	6.6	8.2	8.5
Blackfoot R nr Bonner	JUN-JUL	162	210	245	64%	280	330	380
	JUN-SEP	210	265	300	64%	335	390	470
Clark Fork R ab Missoula	JUN-JUL	335	430	500	72%	570	665	695
	JUN-SEP	430	555	635	72%	715	840	880

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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	JUN-JUL	33	41	47	68%	53	61	69
	JUN-SEP	36	48	56	68%	64	76	82
Bitterroot R Nr Darby	JUN-JUL	144	165	180	75%	195	215	240
	JUN-SEP	174	200	220	75%	240	265	295
Como Reservoir Inflow ²								

Bitterroot R nr Missoula	JUN-JUL	16.7	23	28	70%	33	39	40
	JUN-SEP	18.6	26	31	70%	36	43	44
	JUN-JUL	365	435	485	70%	535	605	690
	JUN-SEP	405	495	560	70%	625	715	800

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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	JUN-JUL	730	885	985	71%	1090	1240	1380
	JUN-SEP	855	1050	1190	71%	1330	1530	1680
Clark Fork R at St. Regis ¹	JUN-JUL	845	1140	1270	72%	1400	1690	1770
	JUN-SEP	1020	1380	1550	72%	1720	2080	2160
Clark Fork R nr Plains ^{1,2}	JUN-JUL	2990	3750	4090	80%	4430	5190	5100
	JUN-SEP	3460	4430	4870	80%	5310	6280	6090
Thompson nr Thompson Falls	JUN-JUL	19	30	37	45%	44	55	82
	JUN-SEP	27	40	49	45%	58	71	108
Prospect Ck at Thompson Falls	JUN-JUL	12.2	16	18.6	45%	21	25	41
	JUN-SEP	15.1	19.2	22	44%	25	29	50
Clark Fork R at Whitehorse Rapids ^{1,2}	JUN-JUL	3350	4170	4550	81%	4930	5750	5620
	JUN-SEP	3950	4990	5460	81%	5930	6970	6750

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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	JUN-JUL	3.3	7.7	13.2	34%	18.7	27	39
	JUN-SEP	3.4	8.2	15.3	33%	22	33	47
Clark Canyon Inflow ²	JUN-JUL	8	13.5	20	39%	38	64	51
	JUN-SEP	12.4	19.7	31	41%	51	81	76
Beaverhead R at Barretts ²	JUN-JUL	14	23	35	49%	61	99	71
	JUN-SEP	21	33	52	50%	85	135	103
Ruby R Reservoir Inflow ²	JUN-JUL	26	35	41	89%	47	56	46
	JUN-SEP	36	47	54	87%	61	72	62
Big Hole R at Wisdom	JUN-JUL	5.9	17.7	33	61%	48	71	54
	JUN-SEP	7.7	20	38	60%	56	82	63
Big Hole R nr Melrose	JUN-JUL	280	345	390	120%	435	500	325
	JUN-SEP	310	390	445	117%	500	580	380
Jefferson R nr Twin Bridges ²	JUN-JUL	230	335	405	104%	475	580	390

Boulder R nr Boulder	JUN-SEP	235	370	460	99%	550	685	465
	JUN-JUL	10.5	17.4	22	61%	27	33	36
Willow Ck Reservoir Inflow ²	JUN-SEP	10.6	19.8	26	60%	32	41	43
	JUN-JUL	10.5	13.6	15.7	145%	17.8	21	10.8
Jefferson R nr Three Forks ²	JUN-SEP	13.9	18.1	21	160%	24	28	13.1
	JUN-JUL	192	305	385	104%	465	580	370
	JUN-SEP	225	365	460	102%	555	695	450

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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	JUN-JUL	85	111	128	64%	145	171	200
	JUN-SEP	148	179	200	65%	220	250	310
Ennis Reservoir Inflow ²	JUN-JUL	173	215	240	64%	265	305	375
	JUN-SEP	260	310	345	64%	380	430	540

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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	JUN-JUL	172	205	230	81%	255	290	285
	JUN-SEP	225	265	295	82%	325	365	360
Hyalite Reservoir Inflow ²	JUN-JUL	13	14.5	15.5	104%	16.5	18	14.9
	JUN-SEP	15	16.9	18.2	101%	19.5	21	18
Gallatin R at Logan	JUN-JUL	126	179	215	77%	250	305	280
	JUN-SEP	163	235	280	78%	325	395	360

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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	JUN-JUL	8.8	11	12.5	137%	14	16.2	9.1
	JUN-SEP	11	13.9	15.9	131%	17.9	21	12.1
Smith R bl Eagle Ck ²	JUN-JUL	59	79	93	124%	107	127	75
	JUN-SEP	66	94	112	123%	130	158	91
NF Musselshell R nr Delpine	JUN-JUL	1.2	1.85	3	130%	4.2	5.8	2.3

SF Musselshell R ab Martinsdale	JUN-SEP	2.1	3.5	4.5	141%	5.5	6.9	3.2
	JUN-JUL	8.1	19.4	27	108%	35	46	25
	JUN-SEP	9.9	22	30	103%	38	50	29
Musselshell R at Harlowton ²	JUN-JUL	18.4	28	46	124%	64	90	37
	JUN-SEP	20	32	50	122%	68	94	41
Musselshell R nr Roundup ²	JUN-JUL	13.6	39	56	119%	73	98	47
	JUN-SEP	16.6	42	59	118%	76	101	50

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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	JUN-JUL	125	157	179	70%	200	235	255
	JUN-SEP	157	192	215	70%	240	275	305
Two Medicine R nr Browning ²	JUN-JUL	45	59	68	72%	77	91	95
	JUN-SEP	51	66	77	72%	88	103	107
Badger Ck nr Browning	JUN-JUL	14.2	24	31	70%	38	48	44
	JUN-SEP	17.1	29	37	70%	45	57	53
Swift Reservoir Inflow ²	JUN-JUL	18.8	25	29	83%	33	39	35
	JUN-SEP	26	34	39	83%	44	52	47
Dupuyer Ck nr Valier	JUN-JUL	0.6	2.2	5.3	82%	8.4	12.8	6.5
	JUN-SEP	0.8	2.8	6.5	78%	10.2	15.5	8.3
Cut Bank Ck nr Browning	JUN-JUL	18.8	27	32	76%	37	45	42
	JUN-SEP	22	31	37	76%	43	52	49
Marias R nr Shelby ²	JUN-JUL	48	75	119	65%	163	230	183
	JUN-SEP	54	83	134	64%	185	260	210
Teton R nr Dutton	JUN-JUL	7	11.2	17.4	64%	30	48	27
	JUN-SEP	9.2	14.5	23	66%	38	60	35

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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	JUN-JUL	42	50	55	90%	60	68	61
	JUN-SEP	56	65	71	91%	77	86	78
St. Mary R nr Babb ²	JUN-JUL	174	205	225	90%	245	275	250
	JUN-SEP	230	265	290	92%	315	350	315
St. Mary R at Intl Boundary ²	JUN-JUL	190	230	260	98%	290	330	265
	JUN-SEP	250	300	330	96%	360	410	345

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Mystic Lake Inflow²

	JUN-JUL	33	38	41	87%	44	49	47
	JUN-SEP	45	52	56	88%	60	67	64
Stillwater R nr Absarokee ²	JUN-JUL	210	250	275	75%	300	340	365
	JUN-SEP	255	310	345	75%	380	435	460
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	205	245	270	69%	295	335	390
	JUN-SEP	215	265	300	67%	335	385	445
Cooney Reservoir Inflow								
Yellowstone R at Billings	JUN-JUL	1380	1550	1710	72%	1880	2070	2380
	JUN-SEP	1730	1940	2160	72%	2360	2590	2990

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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	JUN-JUL	745	925	1050	96%	1170	1360	1090
	JUN-SEP	775	1020	1180	95%	1340	1580	1240
Little Bighorn R nr Hardin	JUN-JUL	32	49	61	91%	73	90	67
	JUN-SEP	40	60	74	89%	88	108	83
Tongue R nr Dayton ²	JUN-JUL	52	62	68	117%	74	84	58
	JUN-SEP	63	74	82	115%	90	101	71
Big Goose Ck nr Sheridan	JUN-JUL	34	39	43	123%	47	52	35
	JUN-SEP	41	47	51	116%	55	61	44
Little Goose Ck nr Bighorn	JUN-JUL	21	24	26	124%	28	31	21
	JUN-SEP	28	31	34	117%	37	40	29
Tongue River Reservoir Inflow ²	JUN-JUL	116	143	161	128%	179	205	126
	JUN-SEP	130	164	186	122%	210	240	153
Yellowstone R at Miles City ²	JUN-JUL	2200	2410	2630	73%	2840	3060	3600
	JUN-SEP	2710	2980	3240	73%	3520	3770	4450
Powder R at Moorehead	JUN-JUL	72	104	126	120%	148	180	105
	JUN-SEP	86	125	152	119%	179	220	128
Powder R nr Locate	JUN-JUL	69	112	141	122%	170	215	116
	JUN-SEP	80	134	171	121%	210	260	141
Yellowstone R nr Sidney ²	JUN-JUL	2120	2410	2700	74%	2960	3250	3650
	JUN-SEP	2590	2940	3290	74%	3610	3990	4460

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