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Streamflow Forecast Summary: June 1, 2014
(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	50	61	68	117%	75	86	58
	JUN-SEP	61	74	83	117%	92	105	71
Libby Reservoir Inflow ¹	JUN-JUL	3010	3450	3650	113%	3850	4290	3240
	JUN-SEP	3770	4320	4570	110%	4820	5370	4150
Fisher R nr Libby	JUN-JUL	53	65	73	120%	81	93	61
	JUN-SEP	65	79	88	117%	97	111	75
Yaak R nr Troy	JUN-JUL	84	110	128	98%	146	172	130
	JUN-SEP	100	128	148	99%	168	196	150
Kootenai R at Leona ^{1,2}	JUN-JUL	3040	3630	3900	107%	4170	4760	3640
	JUN-SEP	3890	4610	4940	106%	5270	5990	4640

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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	780	885	960	124%	1030	1140	775
	JUN-SEP	945	1070	1150	123%	1230	1360	935
MF Flathead R nr West Glacier	JUN-JUL	770	885	965	128%	1040	1160	755
	JUN-SEP	910	1040	1120	126%	1200	1330	890
Sf Flathead R nr Hungry Horse	JUN-JUL	680	750	800	142%	850	920	565
	JUN-SEP	760	835	890	140%	945	1020	635
Hungry Horse Reservoir Inflow ^{1,2}	JUN-JUL	945	1120	1200	140%	1280	1450	860
	JUN-SEP	1070	1260	1340	137%	1430	1620	980
Flathead R at Columbia Falls ²	JUN-JUL	2640	2970	3190	130%	3410	3740	2460
	JUN-SEP	3080	3440	3690	128%	3940	4300	2890
Ashley Ck nr Marion ²	MAY-JUL	3.1	4	4.6	118%	5.2	6.1	3.9
	JUN-JUL	0.45	1.16	1.65	122%	2.1	2.8	1.35
	JUN-SEP	0.35	0.59	1.09	185%	1.85	3	0.59
Swan R nr Bigfork	JUN-JUL	285	315	335	120%	355	385	280
	JUN-SEP	355	390	415	117%	440	475	355
Flathead Lake Inflow ^{1,2}	JUN-JUL	2880	3430	3680	129%	3930	4480	2860
	JUN-SEP	3320	3950	4240	128%	4530	5160	3320
Mill Ck ab Bassoo ck nr Niarada	JUN-JUL	1.1	1.42	1.64	131%	1.86	2.2	1.25
	JUN-SEP	1.41	1.76	2	127%	2.2	2.6	1.58
South Crow Ck nr Ronan	JUN-JUL	6.2	7.2	7.9	122%	8.6	9.6	6.5
	JUN-SEP	7.5	8.7	9.5	120%	10.3	11.5	7.9
Mission Ck nr St. Ignatius								

SF Jocko R nr Arlee	JUN-JUL	17.2	18.8	20	113%	21	23	17.7
	JUN-SEP	21	23	25	114%	27	29	22
NF Jocko R bl Tabor Feeder Canal	JUN-JUL	21	23	25	146%	27	29	17.1
	JUN-SEP	26	28	30	143%	32	34	21
	JUN-JUL	20	22	23	149%	24	26	15.4
	JUN-SEP	22	24	25	145%	26	28	17.3

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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	5.8	14.3	20	69%	26	34	29
	JUN-SEP	8.5	18.3	25	69%	32	42	36
Flint Ck nr Southern Cross	JUN-JUL	3.3	5.5	7	103%	8.5	10.7	6.8
	JUN-SEP	4	7	9	100%	11	14	9
Flint Ck bl Boulder Ck	JUN-JUL	17.3	25	31	100%	37	45	31
	JUN-SEP	26	37	44	100%	51	62	44
Lower Willow Ck Reservoir Inflow ²	JUN-JUL	0.32	0.72	1.6	44%	2.5	3.9	3.6
	JUN-SEP	0.72	1.35	2.4	53%	3.4	5	4.5
MF Rock Ck nr Philipsburg	JUN-JUL	20	28	33	97%	38	46	34
	JUN-SEP	26	34	40	98%	46	54	41
Rock Ck nr Clinton	JUN-JUL	84	115	135	103%	155	186	131
	JUN-SEP	109	144	167	102%	190	225	164
Clark Fork R ab Milltown	JUN-JUL	137	210	260	96%	310	385	270
	JUN-SEP	192	280	340	96%	400	490	355
Nevada Ck nr Helmville	JUN-JUL	4.6	6	7	121%	8	9.4	5.8
	JUN-SEP	5.9	7.5	8.6	119%	9.7	11.3	7.2
Blackfoot R nr Bonner	JUN-JUL	365	410	440	135%	470	515	325
	JUN-SEP	460	505	540	133%	575	620	405
Clark Fork R ab Missoula	JUN-JUL	530	630	700	118%	770	870	595
	JUN-SEP	680	800	880	115%	960	1080	765

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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								
Bitterroot R Nr Darby	JUN-SEP	72	84	92	137%	100	112	67
	JUN-JUL	235	255	270	129%	285	305	210
	JUN-SEP	295	320	340	126%	360	385	270

Boulder R nr Boulder	JUN-JUL	220	325	400	125%	470	575	320
	JUN-SEP	235	370	460	130%	550	685	355
Willow Ck Reservoir Inflow ²	JUN-JUL	32	38	43	134%	48	54	32
	JUN-SEP	34	43	49	132%	55	64	37
Jefferson R nr Three Forks ²	JUN-JUL	13.7	16.8	18.9	182%	21	24	10.4
	JUN-SEP	15.2	19.4	22	176%	25	29	12.5
	JUN-JUL	270	385	460	130%	540	655	355
	JUN-SEP	310	450	545	131%	640	780	415

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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	JUN-JUL	151	177	194	109%	210	235	178
	JUN-SEP	245	275	295	105%	315	345	280
Ennis Reservoir Inflow ²	JUN-JUL	290	330	360	109%	385	425	330
	JUN-SEP	425	475	510	105%	540	590	485

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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	JUN-JUL	265	300	325	127%	350	385	255
	JUN-SEP	335	375	405	127%	435	475	320
Hyalite Reservoir Inflow ²	JUN-JUL	13.2	14.7	15.7	122%	16.7	18.2	12.9
	JUN-SEP	15.8	17.7	19	121%	20	22	15.7
Gallatin R at Logan	JUN-JUL	245	300	335	137%	370	425	245
	JUN-SEP	305	375	420	135%	470	540	310

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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	6.7	8.9	10.4	128%	11.9	14.1	8.1
	JUN-SEP	8.3	11.3	13.3	122%	15.3	18.3	10.9
Smith R bl Eagle Ck ²	JUN-JUL	51	71	85	157%	99	119	54
	JUN-SEP	57	85	103	158%	121	149	65
NF Musselshell R nr Delpine								

SF Musselshell R ab Martinsdale	JUN-JUL	0.47	1.26	2.4	120%	3.6	5.2	2
	JUN-SEP	0.85	2.3	3.3	118%	4.2	5.7	2.8
Musselshell R at Harlowton ²	JUN-JUL	5.7	16.9	25	125%	32	43	20
	JUN-SEP	7.5	19.5	28	122%	36	48	23
Musselshell R nr Roundup ²	JUN-JUL	-6.5	19.7	37	132%	55	81	28
	JUN-SEP	-3.3	23	41	137%	59	85	30
	JUN-JUL	2.6	28	45	132%	62	87	34
	JUN-SEP	4.3	30	47	138%	64	89	34

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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	JUN-JUL	205	240	260	124%	280	315	210
	JUN-SEP	250	285	310	124%	335	370	250
Two Medicine R nr Browning ²	JUN-JUL	82	96	105	128%	114	128	82
	JUN-SEP	92	107	118	126%	129	144	94
Badger Ck nr Browning	JUN-JUL	40	50	57	124%	64	74	46
	JUN-SEP	52	64	72	118%	80	92	61
Swift Reservoir Inflow ²	JUN-JUL	26	32	37	123%	41	47	30
	JUN-SEP	36	43	49	120%	54	62	41
Dupuyer Ck nr Valier	JUN-JUL	0.5	2.6	5.7	106%	8.8	13.2	5.4
	JUN-SEP	0.8	3.5	7.1	103%	10.7	16.1	6.9
Cut Bank Ck nr Browning	JUN-JUL	33	41	46	121%	51	59	38
	JUN-SEP	39	47	53	120%	59	67	44
Marias R nr Shelby ²	JUN-JUL	110	176	220	154%	265	330	143
	JUN-SEP	115	189	240	152%	290	365	158
Teton R nr Dutton	JUN-JUL	1	17.4	30	125%	43	61	24
	JUN-SEP	1	21	36	124%	51	73	29

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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	51	59	64	114%	69	77	56
	JUN-SEP	65	74	80	113%	86	95	71
St. Mary R nr Babb ²	JUN-JUL	210	240	260	111%	280	310	235
	JUN-SEP	265	300	320	108%	345	380	295
St. Mary R at Intl Boundary ²	JUN-JUL	230	275	300	109%	330	370	275

	JUN-SEP	295	340	370	107%	405	450	345
Milk R at Western Crossing of Intl Bndry, AB								

Milk R at Eastern Crossing of Intl Bndry

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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	JUN-JUL	830	1050	1200	128%	1350	1570	940
	JUN-SEP	1020	1320	1520	125%	1730	2030	1220
Dearborn R nr Craig	JUN-JUL	26	40	50	125%	60	74	40
	JUN-SEP	28	44	55	120%	66	82	46
Missouri R at Fort Benton ²	JUN-JUL	1190	1550	1790	127%	2030	2380	1410
	JUN-SEP	1570	2040	2350	124%	2670	3140	1900
Missouri R nr Virgelle ²	JUN-JUL	1400	1780	2040	128%	2300	2680	1600
	JUN-SEP	1800	2290	2620	124%	2950	3440	2120
Missouri R nr Landusky ²	JUN-JUL	1570	1940	2200	129%	2460	2830	1710
	JUN-SEP	1990	2490	2830	125%	3170	3670	2260
Missouri R bl Fort Peck Dam ²	JUN-JUL	1460	1930	2250	132%	2570	3040	1710
	JUN-SEP	1650	2340	2800	129%	3260	3950	2170
Lake Sakakawea Inflow ²	JUN-JUL	4860	6010	6790	134%	7570	8720	5060
	JUN-SEP	5330	7020	8180	133%	9330	11000	6150

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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	JUN-JUL	505	550	580	125%	610	655	465
	JUN-SEP	700	765	805	123%	850	915	655
Yellowstone R at Corwin Springs	JUN-JUL	1200	1320	1400	135%	1490	1610	1040
	JUN-SEP	1480	1640	1750	132%	1860	2020	1330
Yellowstone R at Livingston	JUN-JUL	1350	1500	1610	136%	1710	1860	1180
	JUN-SEP	1680	1870	2000	132%	2140	2330	1520
Shields R nr Livingston	JUN-JUL	34	64	85	137%	106	136	62
	JUN-SEP	39	75	100	132%	125	161	76
Boulder R at Big Timber	JUN-JUL	205	230	250	125%	270	295	200
	JUN-SEP	225	255	280	124%	305	335	225
Mystic Lake Inflow ²	JUN-JUL	45	50	53	113%	56	61	47

Stillwater R nr Absarokee ²	JUN-SEP	61	68	72	114%	76	83	63
	JUN-JUL	325	365	390	120%	415	455	325
Clarks Fk Yellowstone R nr Belfry	JUN-SEP	385	440	475	119%	510	565	400
	JUN-JUL	440	480	505	144%	530	570	350
Cooney Reservoir Inflow	JUN-SEP	490	540	575	146%	605	655	395
	JUN-JUL	16.8	23	28	127%	32	39	22
Yellowstone R at Billings	JUN-SEP	26	33	39	126%	44	52	31
	JUN-JUL	2370	2720	2950	136%	3180	3520	2170
	JUN-SEP	2770	3230	3540	133%	3860	4320	2660

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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	840	1020	1150	125%	1270	1460	920
	JUN-SEP	890	1130	1290	128%	1460	1700	1010
Little Bighorn R nr Hardin	JUN-JUL	54	71	83	157%	94	111	53
	JUN-SEP	64	85	98	148%	112	132	66
Tongue R nr Dayton ²	JUN-JUL	50	59	66	135%	72	82	49
	JUN-SEP	61	72	80	129%	87	99	62
Big Goose Ck nr Sheridan	JUN-JUL	36	41	45	145%	49	54	31
	JUN-SEP	43	49	53	136%	57	63	39
Little Goose Ck nr Bighorn	JUN-JUL	22	25	27	141%	29	32	19.1
	JUN-SEP	30	33	36	133%	39	42	27
Tongue River Reservoir Inflow ²	JUN-JUL	117	144	162	147%	180	205	110
	JUN-SEP	133	166	189	141%	210	245	134
Yellowstone R at Miles City ²	JUN-JUL	3380	3910	4260	133%	4620	5140	3200
	JUN-SEP	3850	4590	5100	132%	5600	6340	3870
Powder R at Moorehead	JUN-JUL	85	118	140	152%	162	194	92
	JUN-SEP	100	140	167	152%	193	235	110
Powder R nr Locate	JUN-JUL	85	128	157	155%	186	230	101
	JUN-SEP	98	152	189	155%	225	280	122
Yellowstone R nr Sidney ²	JUN-JUL	3380	4000	4420	136%	4840	5450	3240
	JUN-SEP	3750	4620	5210	136%	5810	6680	3840

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