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Streamflow Forecast Summary: June 1, 2015
(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	13.1	24	31	53%	38	48	58
	JUN-SEP	19	32	41	58%	50	63	71
Libby Reservoir Inflow ¹	JUN-JUL	2230	2670	2870	89%	3070	3520	3240
	JUN-SEP	2900	3450	3700	89%	3950	4500	4150
Fisher R nr Libby	JUN-JUL	15.5	27	36	59%	44	56	61
	JUN-SEP	24	38	47	63%	57	70	75
Yaak R nr Troy	JUN-JUL	31	57	75	58%	93	119	130
	JUN-SEP	44	73	92	61%	112	140	150
Kootenai R at Leona ^{1,2}	JUN-JUL	1730	2320	2590	71%	2860	3460	3640
	JUN-SEP	2430	3150	3480	75%	3810	4530	4640

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	JUN-JUL	230	340	415	54%	485	595	775
	JUN-SEP	340	460	545	58%	630	750	935
MF Flathead R nr West Glacier	JUN-JUL	260	375	455	60%	530	650	755
	JUN-SEP	355	480	565	63%	650	775	890
Sf Flathead R nr Hungry Horse	JUN-JUL	215	290	340	60%	390	460	565
	JUN-SEP	265	345	400	63%	450	530	635
Hungry Horse Reservoir Inflow ^{1,2}	JUN-JUL	290	460	540	63%	620	795	860
	JUN-SEP	365	555	640	65%	725	910	980
Flathead R at Columbia Falls ²	JUN-JUL	890	1220	1440	59%	1660	1990	2460
	JUN-SEP	1180	1550	1800	62%	2040	2410	2890
Ashley Ck nr Marion ²								
Swan R nr Bigfork	JUN-JUL	109	137	157	56%	177	205	280
	JUN-SEP	145	180	205	58%	230	265	355
Flathead Lake Inflow ^{1,2}	JUN-JUL	870	1430	1680	59%	1930	2480	2860
	JUN-SEP	1120	1750	2040	61%	2330	2960	3320
Mill Ck ab Bassoo ck nr Niarada	JUN-JUL	0.32	0.64	0.86	69%	1.08	1.4	1.25
	JUN-SEP	0.56	0.91	1.15	73%	1.38	1.73	1.58
South Crow Ck nr Ronan	JUN-JUL	3.3	4.3	5	77%	5.7	6.7	6.5
	JUN-SEP	4.3	5.4	6.2	78%	7	8.2	7.9
Mission Ck nr St. Ignatius	JUN-JUL	11.6	13.3	14.4	81%	15.6	17.3	17.7
	JUN-SEP	14.7	17	18.5	84%	20	22	22

SF Jocko R nr Arlee

JUN-JUL	6.8	9.1	10.7	63%	12.2	14.5	17.1
JUN-SEP	9.8	12.3	14	67%	15.8	18.3	21
NF Jocko R bl Tabor Feeder Canal							
JUN-JUL	6.2	7.9	9.2	60%	10.4	12.1	15.4
JUN-SEP	7.5	9.6	11	64%	12.4	14.4	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	3	11.5	17.2	59%	23	31	29
	JUN-SEP	6.1	15.9	23	64%	29	39	36
Flint Ck nr Southern Cross	JUN-JUL	0.95	2	2.9	43%	4	5.8	6.8
	JUN-SEP	1.2	2.5	3.7	41%	5.2	7.7	9
Flint Ck bl Boulder Ck	JUN-JUL	2.8	10.9	16.5	53%	22	30	31
	JUN-SEP	12.3	23	30	68%	38	49	44
Lower Willow Ck Reservoir Inflow ²	JUN-JUL	0.44	0.96	1.4	39%	2	3	3.6
	JUN-SEP	0.99	1.66	2.2	49%	2.8	3.9	4.5
MF Rock Ck nr Philipsburg	JUN-JUL	2.2	9.7	14.8	44%	19.9	27	34
	JUN-SEP	6	14.4	20	49%	26	34	41
Rock Ck nr Clinton	JUN-JUL	0.3	30	51	39%	71	102	131
	JUN-SEP	16.9	51	75	46%	98	133	164
Clark Fork R ab Milltown	JUN-JUL	49	83	112	41%	145	200	270
	JUN-SEP	86	134	172	48%	215	290	355
Nevada Ck nr Helmville	JUN-JUL	0.73	1.57	2.3	40%	3.3	4.9	5.8
	JUN-SEP	1.3	2.4	3.3	46%	4.4	6.3	7.2
Blackfoot R nr Bonner	JUN-JUL	81	125	154	47%	184	225	325
	JUN-SEP	133	181	215	53%	245	295	405
Clark Fork R ab Missoula	JUN-JUL	96	198	265	45%	335	440	595
	JUN-SEP	186	305	390	51%	470	590	765

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Forecast Exceedance Probabilities for Risk Assessment
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	JUN-JUL	9.9	13.5	16.3	29%	19.4	24	56
	JUN-SEP	15.2	20	24	36%	28	34	67
Bitterroot R Nr Darby	JUN-JUL	56	77	92	44%	107	128	210
	JUN-SEP	102	129	148	55%	166	193	270
Como Reservoir Inflow ²	JUN-JUL	16.6	25	30	79%	35	43	38

Bitterroot R nr Missoula	JUN-SEP	19.1	27	33	79%	39	47	42
	JUN-JUL	240	315	370	62%	425	500	600
	JUN-SEP	220	310	365	52%	425	515	705

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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	JUN-JUL	370	525	635	53%	745	900	1200
	JUN-SEP	450	630	755	51%	880	1060	1470
Clark Fork R at St. Regis ¹	JUN-JUL	395	700	835	55%	975	1280	1530
	JUN-SEP	505	850	1010	54%	1160	1510	1880
Clark Fork R nr Plains ^{1,2}	JUN-JUL	1620	2320	2640	58%	2950	3650	4540
	JUN-SEP	1990	2830	3210	59%	3590	4420	5410
Thompson nr Thompson Falls	JUN-JUL	26	37	44	63%	51	62	70
	JUN-SEP	41	54	62	67%	71	84	93
Prospect Ck at Thompson Falls	JUN-JUL	12	15.8	18.4	53%	21	25	35
	JUN-SEP	17.7	22	25	58%	27	32	43
Clark Fork R at Whitehorse Rapids ^{1,2}	JUN-JUL	1880	2630	2970	59%	3310	4060	5070
	JUN-SEP	2350	3240	3640	60%	4050	4940	6090

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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	JUN-JUL	0.58	3.2	6.1	20%	11.6	19.8	31
	JUN-SEP	1	3.3	6.8	17%	13.9	24	39
Clark Canyon Inflow ²	JUN-JUL	-36	-9.7	8.2	23%	26	52	35
	JUN-SEP	-26	3.6	24	44%	44	74	55
Beaverhead R at Barretts ²	JUN-JUL	-42	-3.8	22	45%	48	86	49
	JUN-SEP	-38	11.6	45	60%	78	128	75
Ruby R Reservoir Inflow ²	JUN-JUL	6.1	15	21	51%	27	36	41
	JUN-SEP	14.5	25	32	57%	40	50	56
Big Hole R at Wisdom	JUN-JUL	1	10.1	25	54%	41	63	46
	JUN-SEP	1	12.4	30	58%	48	74	52
Big Hole R nr Melrose	JUN-JUL	75	142	187	69%	230	300	270
	JUN-SEP	91	172	225	71%	280	365	315
Jefferson R nr Twin Bridges ²	JUN-JUL	-4.2	101	173	54%	245	350	320
	JUN-SEP	-10.1	124	215	61%	305	440	355

Boulder R nr Boulder	JUN-JUL	13.5	20	25	78%	30	36	32
	JUN-SEP	9.6	18.8	25	68%	31	40	37
Willow Ck Reservoir Inflow ²	JUN-JUL	1.8	4.9	7	67%	9.1	12.2	10.4
	JUN-SEP	1.4	5.6	8.5	68%	11.4	15.6	12.5
Jefferson R nr Three Forks ²	JUN-JUL	-17	88	166	47%	245	360	355
	JUN-SEP	-35	99	194	47%	290	430	415

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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	36	62	79	44%	96	122	178
	JUN-SEP	95	126	147	53%	168	199	280
Ennis Reservoir Inflow ²	JUN-JUL	82	122	149	45%	176	215	330
	JUN-SEP	169	220	255	53%	285	335	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	82	117	140	55%	163	198	255
	JUN-SEP	118	160	189	59%	220	260	320
Hyalite Reservoir Inflow ²	JUN-JUL	8.5	10	11	85%	12	13.4	12.9
	JUN-SEP	10.3	12.2	13.5	86%	14.7	16.6	15.7
Gallatin R at Logan	JUN-JUL	35	88	124	51%	160	215	245
	JUN-SEP	53	123	170	55%	215	285	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	2.5	4.7	6.2	77%	7.7	9.9	8.1
	JUN-SEP	3.6	6.6	8.6	79%	10.6	13.6	10.9
Smith R bl Eagle Ck ²	JUN-JUL	10	18	32	59%	45	65	54
	JUN-SEP	12	24	42	65%	61	88	65
NF Musselshell R nr Delpine	JUN-JUL	0.2	0.5	1.6	80%	2.7	4.4	2
	JUN-SEP	0.4	1.42	2.4	86%	3.4	4.8	2.8

SF Musselshell R ab Martinsdale								
	JUN-JUL	0.5	1.97	9.6	48%	17.2	28	20
	JUN-SEP	1	4.6	12.7	55%	21	33	23
Musselshell R at Harlowton ²								
	JUN-JUL	-9	-2.6	15.2	54%	33	59	28
	JUN-SEP	-7	2.6	20	67%	38	65	30
Musselshell R nr Roundup ²								
	JUN-JUL	0	4	10.8	32%	28	53	34
	JUN-SEP	0	5	13.7	40%	31	56	34

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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	68	100	122	58%	144	176	210
	JUN-SEP	105	140	163	65%	186	220	250
Two Medicine R nr Browning ²	JUN-JUL	19.9	34	43	52%	52	66	82
	JUN-SEP	22	37	48	51%	59	74	94
Badger Ck nr Browning	JUN-JUL	1.41	11.4	18.2	40%	25	35	46
	JUN-SEP	9	21	29	48%	37	49	61
Swift Reservoir Inflow ²	JUN-JUL	4.3	10.4	14.5	48%	18.6	25	30
	JUN-SEP	10.7	18.4	24	59%	29	37	41
Dupuyer Ck nr Valier	JUN-JUL	0.4	0.8	1.1	20%	4.2	8.6	5.4
	JUN-SEP	0.8	1.6	2.1	30%	5.7	11.1	6.9
Cut Bank Ck nr Browning	JUN-JUL	7.8	15.6	21	55%	26	34	38
	JUN-SEP	10.5	19.1	25	57%	31	39	44
Marias R nr Shelby ²	JUN-JUL	-30	-5	24	17%	68	134	143
	JUN-SEP	-30	-5	25	16%	76	150	158
Teton R nr Dutton	JUN-JUL	0.8	3.2	8	33%	21	39	24
	JUN-SEP	1	5.1	12.8	44%	28	50	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	17.1	25	30	54%	35	43	56
	JUN-SEP	29	37	44	62%	50	59	71
St. Mary R nr Babb ²								
	JUN-JUL	81	112	132	56%	152	183	235
	JUN-SEP	114	148	171	58%	195	230	295
St. Mary R at Intl Boundary ²								
	JUN-JUL	78	120	148	54%	176	220	275
	JUN-SEP	114	161	192	56%	225	270	345
Milk R at Western Crossing of Intl Bndry, AB								

	JUN-JUL	0.1	1.8	4.5	71%	12.5	24	6.3
	JUN-SEP	0.2	2.2	5.7	80%	14.8	28	7.1
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	23	240	390	41%	540	760	940
	JUN-SEP	65	365	570	47%	775	1080	1220
Dearborn R nr Craig	JUN-JUL	1	10.3	20	50%	30	44	40
	JUN-SEP	3	13	24	52%	35	51	46
Missouri R at Fort Benton ²	JUN-JUL	5	360	600	43%	840	1200	1410
	JUN-SEP	165	630	950	50%	1270	1740	1900
Missouri R nr Virgelle ²	JUN-JUL	33	410	670	42%	930	1310	1600
	JUN-SEP	186	675	1010	48%	1340	1830	2120
Missouri R nr Landusky ²	JUN-JUL	51	430	685	40%	940	1320	1710
	JUN-SEP	220	720	1060	47%	1400	1900	2260
Missouri R bl Fort Peck Dam ²	JUN-JUL	230	350	580	34%	900	1370	1710
	JUN-SEP	320	500	800	37%	1260	1950	2170
Lake Sakakawea Inflow ²	JUN-JUL	1100	2250	3030	60%	3810	4960	5060
	JUN-SEP	855	2550	3710	60%	4860	6560	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	153	199	230	49%	260	305	465
	JUN-SEP	210	275	320	49%	365	430	655
Yellowstone R at Corwin Springs	JUN-JUL	450	570	655	63%	740	860	1040
	JUN-SEP	580	745	855	64%	965	1130	1330
Yellowstone R at Livingston	JUN-JUL	505	650	755	64%	855	1000	1180
	JUN-SEP	665	860	990	65%	1120	1320	1520
Shields R nr Livingston	JUN-JUL	2	10.4	31	50%	52	82	62
	JUN-SEP	4	14.5	39	51%	64	100	76
Boulder R at Big Timber	JUN-JUL	102	129	148	74%	167	194	200
	JUN-SEP	106	140	163	72%	186	220	225
Mystic Lake Inflow ²	JUN-JUL	33	37	40	85%	43	48	47
	JUN-SEP	44	50	55	87%	59	66	63

Stillwater R nr Absarokee ²	JUN-JUL	230	265	295	91%	320	355	325
	JUN-SEP	275	330	365	91%	400	455	400
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	235	275	300	86%	325	365	350
	JUN-SEP	245	295	330	84%	360	410	395
Cooney Reservoir Inflow	JUN-JUL	9.7	16.2	21	95%	25	32	22
	JUN-SEP	17	25	30	97%	36	44	31
Yellowstone R at Billings	JUN-JUL	975	1320	1550	71%	1780	2120	2170
	JUN-SEP	1130	1590	1900	71%	2220	2680	2660

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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	JUN-JUL	420	605	730	79%	855	1040	920
	JUN-SEP	405	645	810	80%	975	1210	1010
Little Bighorn R nr Hardin	JUN-JUL	19.9	37	49	92%	60	77	53
	JUN-SEP	26	47	60	91%	74	94	66
Tongue R nr Dayton ²	JUN-JUL	27	37	43	88%	49	59	49
	JUN-SEP	36	47	55	89%	63	74	62
Big Goose Ck nr Sheridan	JUN-JUL	21	26	30	97%	34	39	31
	JUN-SEP	26	32	36	92%	40	45	39
Little Goose Ck nr Bighorn	JUN-JUL	13.3	16.1	18	94%	19.9	23	19.1
	JUN-SEP	19.5	23	26	96%	29	32	27
Tongue River Reservoir Inflow ²	JUN-JUL	53	79	97	88%	115	142	110
	JUN-SEP	63	96	118	88%	141	174	134
Yellowstone R at Miles City ²	JUN-JUL	1520	2040	2400	75%	2750	3280	3200
	JUN-SEP	1650	2390	2900	75%	3400	4140	3870
Powder R at Moorehead	JUN-JUL	37	69	91	99%	113	145	92
	JUN-SEP	48	87	114	104%	141	180	110
Powder R nr Locate	JUN-JUL	30	72	101	100%	130	173	101
	JUN-SEP	36	90	127	104%	163	215	122
Yellowstone R nr Sidney ²	JUN-JUL	1390	2000	2420	75%	2840	3460	3240
	JUN-SEP	1380	2250	2840	74%	3430	4300	3840

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