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Streamflow Forecast Summary: March 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	APR-JUL	67	89	104	83%	118	140	126
	APR-SEP	74	98	115	82%	131	156	140
Libby Reservoir Inflow ¹	APR-JUL	3970	4550	4810	90%	5070	5650	5340
	APR-SEP	4800	5360	5620	90%	5880	6440	6250
Fisher R nr Libby	APR-JUL	77	114	138	67%	163	199	205
	APR-SEP	87	124	149	68%	174	210	220
Yaak R nr Troy	APR-JUL	186	260	310	74%	365	440	420
	APR-SEP	199	275	330	75%	380	460	440
Kootenai R at Leonia ^{1,2}	APR-JUL	4800	5540	5880	89%	6220	6970	6600
	APR-SEP	5690	6420	6750	89%	7090	7820	7590

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3) Median value used in place of average

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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	APR-JUL	1130	1260	1350	88%	1430	1560	1540
	APR-SEP	1260	1400	1490	88%	1590	1730	1700
MF Flathead R nr West Glacier	APR-JUL	1180	1330	1430	95%	1530	1680	1500
	APR-SEP	1290	1450	1560	96%	1660	1820	1630
Sf Flathead R nr Hungry Horse	APR-JUL	1100	1210	1280	108%	1360	1470	1180
	APR-SEP	1170	1280	1360	108%	1440	1560	1260
Hungry Horse Reservoir Inflow ^{1,2}	APR-JUL	1680	1940	2050	110%	2160	2410	1860
	APR-SEP	1790	2050	2170	110%	2300	2560	1980
Flathead R at Columbia Falls ²	APR-JUL	4200	4620	4910	98%	5190	5610	5020
	APR-SEP	4560	5010	5320	98%	5630	6080	5450
Ashley Ck nr Marion ²	MAR	0.32	0.79	1.1	92%	1.42	1.89	1.19
	APR-JUL	3.5	4.9	5.9	91%	6.8	8.2	6.5
Swan R nr Bigfork	APR-JUL	495	550	585	113%	620	670	520
	APR-SEP	565	625	665	112%	705	760	595
Flathead Lake Inflow ^{1,2}	APR-JUL	4540	5310	5670	98%	6020	6790	5810
	APR-SEP	4860	5720	6100	97%	6490	7340	6270
Mill Ck ab Bassoo ck nr Niarada	APR-JUL	2.8	3.7	4.4	110%	5	5.9	4
	APR-SEP	3.1	4.1	4.7	107%	5.3	6.3	4.4
South Crow Ck nr Ronan	APR-JUL	8	9.6	10.6	105%	11.6	13.2	10.1
	APR-SEP	9.2	10.9	12.1	104%	13.2	14.9	11.6
Mission Ck nr St. Ignatius	APR-JUL	22	24	26	104%	27	30	25
	APR-SEP	26	29	31	103%	33	36	30
SF Jocko R nr Arlee								

APR-JUL	835	1010	1120	97%	1240	1410	1150
APR-SEP	900	1090	1210	97%	1340	1520	1250

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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	1730	2140	2420	101%	2700	3110	2400
	APR-SEP	1940	2380	2680	100%	2990	3430	2670
Clark Fork R at St. Regis ¹	APR-JUL	2140	2870	3200	101%	3530	4260	3160
	APR-SEP	2410	3190	3540	101%	3900	4680	3510
Clark Fork R nr Plains ^{1,2}	APR-JUL	6920	8440	9130	99%	9820	11300	9200
	APR-SEP	7540	9200	9960	99%	10700	12400	10100
Thompson nr Thompson Falls	APR-JUL	46	83	108	60%	133	170	181
	APR-SEP	58	98	125	61%	152	192	205
Prospect Ck at Thompson Falls	APR-JUL	33	50	61	60%	73	89	102
	APR-SEP	38	55	66	60%	78	95	110
Clark Fork R at Whitehorse Rapids ^{1,2}	APR-JUL	7900	9560	10300	98%	11100	12700	10500
	APR-SEP	8620	10500	11300	98%	12100	13900	11500

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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	APR-JUL	8.6	29	41	50%	57	77	82
	APR-SEP	2.4	27	43	48%	59	84	89
Clark Canyon Inflow ²	APR-JUL	-15	19.7	54	53%	88	139	101
	APR-SEP	-4	29	67	56%	105	160	120
Beaverhead R at Barretts ²	APR-JUL	17.9	32	82	64%	117	191	129
	APR-SEP	28	41	102	65%	145	230	156
Ruby R Reservoir Inflow ²	APR-JUL	17.7	35	46	60%	58	75	77
	APR-SEP	25	44	57	63%	71	90	91
Big Hole R at Wisdom	APR-JUL	38	82	112	110%	142	186	102
	APR-SEP	38	86	119	110%	152	200	108
Big Hole R nr Melrose	APR-JUL	385	505	590	115%	675	795	515
	APR-SEP	410	545	635	113%	725	860	560
Jefferson R nr Twin Bridges ²	APR-JUL	250	475	640	93%	780	1000	690
	APR-SEP	255	505	690	95%	845	1100	730
Boulder R nr Boulder	APR-JUL	48	65	76	110%	87	104	69
	APR-SEP	52	70	82	111%	94	112	74
Willow Ck Reservoir Inflow ²								

Jefferson R nr Three Forks ²	APR-JUL	1.89	8	12.2	73%	16.4	23	16.8
	APR-SEP	4.3	10.7	15.1	78%	19.4	26	19.3
	APR-JUL	182	435	615	83%	780	1030	740
	APR-SEP	183	465	665	83%	845	1120	800

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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	APR-JUL	230	270	295	80%	320	360	370
	APR-SEP	295	345	375	80%	405	455	470
Ennis Reservoir Inflow ²	APR-JUL	325	410	465	74%	520	605	625
	APR-SEP	420	515	580	75%	650	745	775

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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	APR-JUL	255	315	355	89%	395	455	400
	APR-SEP	300	370	415	88%	460	530	470
Hyalite Reservoir Inflow ²	APR-JUL	17	19.3	21	105%	22	25	20
	APR-SEP	19.8	22	24	104%	25	28	23
Gallatin R at Logan	APR-JUL	225	325	395	90%	465	565	440
	APR-SEP	255	375	455	90%	535	650	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	APR-JUL	13	16.4	18.7	121%	21	24	15.5
	APR-SEP	15.2	19.2	22	120%	25	29	18.4
Smith R bl Eagle Ck ²	APR-JUL	69	103	125	118%	148	181	106
	APR-SEP	76	115	142	122%	168	210	116
NF Musselshell R nr Delpine	APR-JUL	2	3.2	4	118%	4.8	6	3.4
	APR-SEP	2.5	3.8	4.7	118%	5.6	7	4
SF Musselshell R ab Martinsdale	APR-JUL	7.2	23	33	94%	43	59	35
	APR-SEP	8.5	25	36	95%	47	64	38
Musselshell R at Harlowton ²	APR-JUL	1.47	36	60	105%	83	118	57
	APR-SEP	1.5	37	62	105%	87	124	59

Musselshell R nr Roundup²

APR-JUL	-23	24	69	103%	114	180	67
APR-SEP	-25	24	69	105%	113	179	66

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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	255	315	360	91%	400	460	395
	APR-SEP	285	350	395	90%	445	510	440
Two Medicine R nr Browning ²	APR-JUL	122	148	165	90%	182	210	183
	APR-SEP	130	157	175	90%	193	220	194
Badger Ck nr Browning	APR-JUL	52	67	78	89%	89	104	88
	APR-SEP	62	79	91	88%	103	120	103
Swift Reservoir Inflow ²	APR-JUL	27	39	47	82%	55	67	57
	APR-SEP	34	47	56	84%	65	78	67
Dupuyer Ck nr Valier	APR-JUL	1.5	3.2	8.1	73%	13	20	11.1
	APR-SEP	1.8	3.6	9	71%	14.4	22	12.7
Cut Bank Ck nr Browning	APR-JUL	40	54	64	93%	74	88	69
	APR-SEP	43	59	69	92%	79	95	75
Marias R nr Shelby ²	APR-JUL	131	235	310	90%	380	490	345
	APR-SEP	123	235	315	88%	395	505	360
Teton R nr Dutton	APR-JUL	5	20	40	95%	59	87	42
	APR-SEP	5.2	25	45	94%	66	97	48

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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	63	72	78	80%	85	94	97
	APR-SEP	76	86	93	83%	99	109	112
St. Mary R nr Babb ²	APR-JUL	225	265	290	78%	320	360	370
	APR-SEP	270	315	345	81%	370	415	425
St. Mary R at Intl Boundary ²	APR-JUL	225	285	325	75%	370	425	435
	APR-SEP	285	350	390	77%	435	495	505
Milk R at Western Crossing of Intl Bndry, AB								
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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	780	1190	1480	83%	1760	2170	1790
	APR-SEP	880	1360	1690	82%	2020	2510	2070
Dearborn R nr Craig	APR-JUL	32	61	80	90%	100	128	89
	APR-SEP	35	65	86	91%	107	137	95
Missouri R at Fort Benton ²	APR-JUL	1120	1730	2150	82%	2550	3160	2610
	APR-SEP	1330	2050	2550	82%	3040	3760	3110
Missouri R nr Virgelle ²	APR-JUL	1300	2000	2490	83%	2960	3660	3000
	APR-SEP	1490	2330	2890	82%	3460	4300	3520
Missouri R nr Landusky ²	APR-JUL	1390	2110	2620	83%	3100	3830	3160
	APR-SEP	1590	2460	3050	82%	3640	4510	3720
Missouri R bl Fort Peck Dam ²	APR-JUL	1280	2080	2630	81%	3160	3960	3240
	APR-SEP	1240	2240	2920	79%	3600	4600	3700
Lake Sakakawea Inflow ²	APR-JUL	4720	6560	7820	94%	9060	10900	8310
	APR-SEP	4890	7170	8730	93%	10300	12600	9400

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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	390	460	505	88%	550	620	575
	APR-SEP	515	605	665	86%	725	815	770
Yellowstone R at Corwin Springs	APR-JUL	1290	1480	1600	101%	1720	1910	1590
	APR-SEP	1510	1730	1880	100%	2030	2250	1880
Yellowstone R at Livingston	APR-JUL	1440	1670	1830	102%	1980	2210	1800
	APR-SEP	1690	1960	2150	100%	2340	2610	2140
Shields R nr Livingston	APR-JUL	34	79	110	85%	141	186	129
	APR-SEP	35	86	120	84%	154	205	143
Boulder R at Big Timber	APR-JUL	220	265	295	105%	325	370	280
	APR-SEP	235	285	320	107%	355	405	300
Mystic Lake Inflow ²	APR-JUL	51	56	60	102%	64	69	59
	APR-SEP	65	72	77	104%	82	89	74
Stillwater R nr Absarokee ²	APR-JUL	355	415	460	103%	505	565	445
	APR-SEP	415	490	540	104%	595	665	520
Clarks Fk Yellowstone R nr Belfry	APR-JUL	495	555	595	117%	635	695	510
	APR-SEP	540	605	650	118%	695	760	550
Cooney Reservoir Inflow	APR-JUL	20	33	41	108%	50	63	38
	APR-SEP	28	42	51	106%	61	75	48
Yellowstone R at Billings	APR-JUL	2440	3000	3380	105%	3760	4320	3230

	APR-SEP	2760	3420	3870	104%	4320	4990	3730
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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	APR-JUL	750	1130	1380	100%	1640	2020	1380
	APR-SEP	765	1190	1480	101%	1760	2190	1460
Little Bighorn R nr Hardin	APR-JUL	53	81	100	102%	119	147	98
	APR-SEP	61	92	113	102%	134	165	111
Tongue R nr Dayton ²	APR-JUL	57	75	88	102%	101	119	86
	APR-SEP	66	86	100	102%	114	134	98
Big Goose Ck nr Sheridan	APR-JUL	27	38	46	100%	54	65	46
	APR-SEP	34	46	54	100%	62	74	54
Little Goose Ck nr Bighorn	APR-JUL	19	26	31	100%	36	43	31
	APR-SEP	26	34	39	100%	44	52	39
Tongue River Reservoir Inflow ²	APR-JUL	85	150	195	101%	240	305	193
	APR-SEP	102	171	220	102%	265	335	215
Yellowstone R at Miles City ²	APR-JUL	3350	4300	4950	104%	5600	6560	4780
	APR-SEP	3720	4860	5630	103%	6400	7540	5450
Powder R at Moorehead	APR-JUL	75	143	189	107%	235	305	177
	APR-SEP	92	162	210	107%	255	330	196
Powder R nr Locate	APR-JUL	79	159	215	108%	270	350	199
	APR-SEP	93	179	235	107%	295	380	220
Yellowstone R nr Sidney ²	APR-JUL	3200	4300	5040	104%	5780	6880	4830
	APR-SEP	3450	4760	5640	104%	6530	7830	5430

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