

Report Created:
9/23/2014 9:16:11 AM

Streamflow Forecast Summary: May 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	MAY-JUL	96	112	123	122%	134	150	101
	MAY-SEP	107	125	138	121%	151	169	114
Libby Reservoir Inflow ¹	MAY-JUL	4390	4990	5260	109%	5530	6130	4820
	MAY-SEP	5260	5890	6180	108%	6470	7100	5733
Fisher R nr Libby	MAY-JUL	141	164	180	132%	196	220	136
	MAY-SEP	153	178	195	130%	210	235	150
Yaak R nr Troy	MAY-JUL	275	325	360	116%	395	445	310
	MAY-SEP	295	350	385	117%	420	475	330
Kootenai R at Leona ^{1,2}	MAY-JUL	5190	6110	6530	114%	6950	7870	5730
	MAY-SEP	6280	7150	7540	112%	7930	8800	6730

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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	MAY-JUL	1390	1500	1580	120%	1660	1770	1320
	MAY-SEP	1540	1670	1760	119%	1850	1980	1480
MF Flathead R nr West Glacier	MAY-JUL	1440	1570	1660	128%	1750	1880	1300
	MAY-SEP	1590	1730	1830	128%	1930	2070	1430
Sf Flathead R nr Hungry Horse	MAY-JUL	1230	1320	1380	135%	1440	1530	1020
	MAY-SEP	1310	1410	1470	134%	1530	1630	1100
Hungry Horse Reservoir Inflow ^{1,2}	MAY-JUL	1820	2030	2120	134%	2210	2420	1580
	MAY-SEP	1930	2160	2260	134%	2360	2590	1690
Flathead R at Columbia Falls ²	MAY-JUL	4890	5230	5470	128%	5710	6050	4290
	MAY-SEP	5330	5720	5980	127%	6240	6630	4720
Ashley Ck nr Marion ²	MAY	2.1	2.8	3.2	123%	3.6	4.3	2.6
	MAY-JUL	3.2	4.2	4.8	123%	5.4	6.4	3.9
Swan R nr Bigfork	MAY-JUL	520	560	590	136%	620	660	435
	MAY-SEP	605	655	685	134%	715	765	510
Flathead Lake Inflow ^{1,2}	MAY-JUL	5490	6120	6400	130%	6680	7310	4940
	MAY-SEP	5930	6640	6970	129%	7300	8010	5400
Mill Ck ab Bassoo ck nr Niarada	MAY-JUL	3.3	4.1	4.6	159%	5.1	5.9	2.9
	MAY-SEP	3.7	4.5	5	156%	5.5	6.3	3.2
South Crow Ck nr Ronan	MAY-JUL	9.4	10.6	11.4	124%	12.2	13.4	9.2
	MAY-SEP	10.8	12.1	13	123%	13.9	15.2	10.6
Mission Ck nr St. Ignatius	MAY-JUL	24	26	27	113%	28	30	24

SF Jocko R nr Arlee	MAY-SEP	29	31	33	114%	35	37	29
	MAY-JUL	40	43	45	155%	47	50	29
NF Jocko R bl Tabor Feeder Canal	MAY-SEP	44	48	50	152%	52	56	33
	MAY-JUL	37	39	40	143%	41	43	28
	MAY-SEP	37	40	41	137%	42	45	30

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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	MAY-JUL	69	84	94	168%	104	119	56
	MAY-SEP	75	92	103	163%	114	131	63
Flint Ck nr Southern Cross	MAY-JUL	11.5	14.7	16.9	161%	19.1	22	10.5
	MAY-SEP	14.3	18.3	21	165%	24	28	12.7
Flint Ck bl Boulder Ck	MAY-JUL	50	62	70	156%	78	90	45
	MAY-SEP	66	80	90	153%	100	114	59
Lower Willow Ck Reservoir Inflow ²	MAY	6.1	7.8	9	180%	10.2	11.9	5
	MAY-JUL	11.7	14.3	16	188%	17.7	20	8.5
MF Rock Ck nr Philipsburg	MAY-JUL	56	67	74	140%	81	92	53
	MAY-SEP	63	75	83	138%	91	103	60
Rock Ck nr Clinton	MAY-JUL	245	295	330	150%	365	415	220
	MAY-SEP	280	335	370	148%	405	460	250
Clark Fork R ab Milltown	MAY-JUL	485	620	715	161%	810	945	445
	MAY-SEP	585	735	835	158%	935	1090	530
Nevada Ck nr Helmville	MAY	8.9	11.2	12.7	244%	14.2	16.5	5.2
	MAY-JUL	17.8	22	25	227%	28	32	11
Blackfoot R nr Bonner	MAY-JUL	800	885	940	159%	995	1080	590
	MAY-SEP	910	1000	1060	157%	1120	1210	675
Clark Fork R ab Missoula	MAY-JUL	1320	1530	1670	162%	1810	2020	1030
	MAY-SEP	1530	1760	1910	159%	2060	2290	1200

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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	MAY-JUL	150	171	185	170%	199	220	109
	MAY-SEP	158	183	200	167%	215	240	120
Bitterroot R Nr Darby	MAY-JUL	475	535	575	160%	615	675	360
	MAY-SEP	525	585	630	150%	675	735	420
Como Reservoir Inflow ²								

Bitterroot R nr Missoula	MAY-JUL	73	80	85	129%	90	97	66
	MAY-SEP	77	85	90	130%	95	103	69
	MAY-JUL	1340	1470	1560	158%	1650	1780	990
	MAY-SEP	1430	1570	1670	153%	1770	1910	1090

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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	MAY-JUL	2690	3010	3230	159%	3450	3770	2030
	MAY-SEP	2980	3330	3570	155%	3810	4160	2300
Clark Fork R at St. Regis ¹	MAY-JUL	3350	3930	4200	159%	4470	5050	2640
	MAY-SEP	3710	4350	4640	155%	4930	5570	2990
Clark Fork R nr Plains ^{1,2}	MAY-JUL	9190	10400	10900	140%	11400	12600	7780
	MAY-SEP	10100	11400	12000	139%	12600	13900	8650
Thompson nr Thompson Falls	MAY-JUL	127	155	174	126%	193	220	138
	MAY-SEP	148	179	200	124%	220	250	161
Prospect Ck at Thompson Falls	MAY-JUL	74	86	94	124%	102	114	76
	MAY-SEP	82	94	102	121%	110	122	84
Clark Fork R at Whitehorse Rapids ^{1,2}	MAY-JUL	10400	11600	12200	140%	12800	14000	8740
	MAY-SEP	11400	12800	13500	138%	14200	15600	9760

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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	MAY-JUL	22	33	41	72%	49	60	57
	MAY-SEP	24	37	46	72%	55	68	64
Clark Canyon Inflow ²	MAY-JUL	-7.7	27	51	80%	75	110	64
	MAY-SEP	6.6	44	70	84%	96	133	83
Beaverhead R at Barretts ²	MAY-JUL	-7	34	72	85%	110	165	85
	MAY-SEP	6	49	94	85%	139	205	111
Ruby R Reservoir Inflow ²	MAY-JUL	40	53	63	94%	72	86	67
	MAY-SEP	49	66	77	94%	88	104	82
Big Hole R at Wisdom	MAY-JUL	61	88	106	141%	124	150	75
	MAY-SEP	65	94	113	141%	133	162	80
Big Hole R nr Melrose	MAY-JUL	535	595	635	144%	675	735	440
	MAY-SEP	575	645	695	145%	740	810	480
Jefferson R nr Twin Bridges ²	MAY-JUL	420	580	690	134%	800	960	515

Boulder R nr Boulder	MAY-SEP	420	605	735	132%	865	1050	555
	MAY-JUL	72	82	90	150%	97	108	60
Willow Ck Reservoir Inflow ²	MAY-SEP	76	88	97	149%	105	118	65
	MAY-JUL	16.1	21	24	167%	27	32	14.4
Jefferson R nr Three Forks ²	MAY-SEP	20	25	29	173%	32	37	16.8
	MAY-JUL	550	725	840	146%	960	1130	575
	MAY-SEP	600	795	930	146%	1060	1260	635

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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	MAY-JUL	310	340	360	118%	380	410	305
	MAY-SEP	405	440	465	115%	490	525	405
Ennis Reservoir Inflow ²	MAY-JUL	505	570	615	116%	660	725	530
	MAY-SEP	640	720	770	113%	825	905	680

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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	MAY-JUL	410	450	480	130%	505	545	370
	MAY-SEP	480	525	560	127%	590	640	440
Hyalite Reservoir Inflow ²	MAY-JUL	21	23	24	130%	25	27	18.5
	MAY-SEP	23	25	27	129%	28	30	21
Gallatin R at Logan	MAY-JUL	415	490	545	143%	595	670	380
	MAY-SEP	475	570	630	142%	695	785	445

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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	MAY-JUL	13.1	16	18	134%	20	23	13.4
	MAY-SEP	15.2	18.8	21	130%	24	27	16.2
Smith R bl Eagle Ck ²	MAY-JUL	95	122	141	158%	159	187	89
	MAY-SEP	105	138	161	163%	184	215	99
NF Musselshell R nr Delpine	MAY-JUL	3.1	4.6	5.6	170%	6.5	8	3.3

SF Musselshell R ab Martinsdale	MAY-SEP	3.9	5.5	6.7	163%	7.8	9.5	4.1
	MAY-JUL	24	43	55	149%	68	87	37
	MAY-SEP	26	46	59	148%	72	92	40
Musselshell R at Harlowton ²	MAY-JUL	42	73	94	196%	115	146	48
	MAY-SEP	43	76	98	196%	121	154	50
Musselshell R nr Roundup ²	MAY-JUL	101	119	131	243%	143	161	54
	MAY-SEP	102	121	133	246%	146	165	54

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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	MAY-JUL	390	430	455	128%	480	520	355
	MAY-SEP	430	475	500	127%	530	575	395
Two Medicine R nr Browning ²	MAY-JUL	169	189	200	131%	215	235	153
	MAY-SEP	179	200	215	131%	230	250	164
Badger Ck nr Browning	MAY-JUL	80	91	98	127%	105	116	77
	MAY-SEP	91	104	113	123%	122	135	92
Swift Reservoir Inflow ²	MAY-JUL	47	57	63	129%	70	79	49
	MAY-SEP	57	68	76	127%	83	94	60
Dupuyer Ck nr Valier	MAY-JUL	1.22	7.6	12	132%	16.4	23	9.1
	MAY-SEP	1.42	8.6	13.5	126%	18.4	26	10.7
Cut Bank Ck nr Browning	MAY-JUL	60	71	78	126%	85	96	62
	MAY-SEP	66	78	86	126%	94	106	68
Marias R nr Shelby ²	MAY-JUL	295	380	435	153%	495	580	285
	MAY-SEP	295	390	455	152%	520	620	300
Teton R nr Dutton	MAY-JUL	25	47	62	177%	77	99	35
	MAY-SEP	30	54	70	171%	86	111	41

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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	MAY-JUL	88	96	102	119%	107	115	86
	MAY-SEP	102	112	118	117%	125	135	101
St. Mary R nr Babb ²	MAY-JUL	330	365	390	115%	415	450	340
	MAY-SEP	380	420	450	114%	480	520	395
St. Mary R at Intl Boundary ²	MAY-JUL	375	425	460	115%	495	545	400
	MAY-SEP	435	490	530	113%	570	625	470

Milk R at Western Crossing of Intl Bndry, AB

MAY-SEP	11	16.2	22	116%	35	52	18.9
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Milk R at Eastern Crossing of Intl Bndry

MAY-SEP	23	34	46	105%	57	119	43.7
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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	MAY-JUL	1610	1890	2070	140%	2260	2540	1480
	MAY-SEP	1850	2190	2420	138%	2650	3000	1760
Dearborn R nr Craig	MAY-JUL	58	83	101	133%	118	143	76
	MAY-SEP	65	92	110	134%	128	154	82
Missouri R at Fort Benton ²	MAY-JUL	2390	2780	3050	139%	3320	3710	2190
	MAY-SEP	2800	3300	3650	136%	3990	4500	2680
Missouri R nr Virgelle ²	MAY-JUL	2750	3200	3500	139%	3800	4250	2510
	MAY-SEP	3120	3710	4110	136%	4510	5100	3030
Missouri R nr Landusky ²	MAY-JUL	3050	3490	3780	143%	4080	4510	2650
	MAY-SEP	3470	4040	4430	138%	4830	5400	3200
Missouri R bl Fort Peck Dam ²	MAY-JUL	3140	3660	4010	149%	4370	4890	2700
	MAY-SEP	3390	4100	4580	145%	5070	5780	3160
Lake Sakakawea Inflow ²	MAY-JUL	9090	10200	10900	151%	11600	12700	7230
	MAY-SEP	9790	11400	12400	149%	13500	15100	8320

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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	MAY-JUL	590	650	690	127%	730	790	545
	MAY-SEP	810	880	930	127%	980	1050	735
Yellowstone R at Corwin Springs	MAY-JUL	1800	1960	2060	139%	2160	2320	1480
	MAY-SEP	2130	2320	2440	138%	2570	2760	1770
Yellowstone R at Livingston	MAY-JUL	2030	2210	2340	140%	2470	2660	1670
	MAY-SEP	2400	2620	2770	138%	2930	3150	2010
Shields R nr Livingston	MAY-JUL	106	145	172	159%	198	240	108
	MAY-SEP	114	158	188	153%	220	265	123
Boulder R at Big Timber	MAY-JUL	325	355	380	141%	400	430	270
	MAY-SEP	355	390	415	143%	440	475	290
Mystic Lake Inflow ²								

Stillwater R nr Absarokee ²	MAY-JUL	60	64	67	118%	70	74	57
	MAY-SEP	75	82	86	119%	90	97	72
Clarks Fk Yellowstone R nr Belfry	MAY-JUL	475	525	560	133%	595	645	420
	MAY-SEP	555	620	660	133%	700	765	495
Cooney Reservoir Inflow	MAY-JUL	655	695	725	151%	755	795	480
	MAY-SEP	720	770	805	153%	840	890	525
Yellowstone R at Billings	MAY-JUL	31	41	47	142%	54	64	33
	MAY-SEP	40	51	59	137%	66	77	43
	MAY-JUL	3690	4100	4380	146%	4650	5060	3000
	MAY-SEP	4210	4720	5060	145%	5410	5920	3490

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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	MAY-JUL	1350	1580	1740	138%	1900	2130	1260
	MAY-SEP	1470	1730	1910	143%	2090	2350	1340
Little Bighorn R nr Hardin	MAY-JUL	107	125	138	162%	150	168	85
	MAY-SEP	124	143	156	161%	169	188	97
Tongue R nr Dayton ²	MAY-JUL	85	100	111	139%	122	138	80
	MAY-SEP	97	114	126	137%	138	155	92
Big Goose Ck nr Sheridan	MAY-JUL	49	57	63	143%	68	76	44
	MAY-SEP	57	65	71	137%	77	85	52
Little Goose Ck nr Bighorn	MAY-JUL	33	38	41	141%	45	50	29
	MAY-SEP	41	47	50	135%	54	60	37
Tongue River Reservoir Inflow ²	MAY-JUL	180	235	270	154%	305	360	175
	MAY-SEP	200	260	300	152%	335	395	198
Yellowstone R at Miles City ²	MAY-JUL	5440	6000	6390	146%	6770	7330	4370
	MAY-SEP	6100	6840	7350	146%	7860	8600	5030
Powder R at Moorehead	MAY-JUL	178	230	265	175%	300	350	151
	MAY-SEP	205	255	295	174%	330	385	170
Powder R nr Locate	MAY-JUL	186	250	295	180%	340	405	164
	MAY-SEP	210	280	330	178%	380	450	185
Yellowstone R nr Sidney ²	MAY-JUL	5520	6190	6650	152%	7110	7790	4380
	MAY-SEP	6080	6980	7580	152%	8190	9080	4980

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