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Streamflow Forecast Summary: May 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	MAY-JUL	40	56	67	66%	77	93	101
	MAY-SEP	44	62	75	66%	88	106	114
Libby Reservoir Inflow ¹	MAY-JUL	3590	4190	4460	93%	4730	5330	4820
	MAY-SEP	4420	5050	5340	93%	5630	6260	5733
Fisher R nr Libby	MAY-JUL	26	49	65	48%	81	104	136
	MAY-SEP	30	55	73	49%	89	114	150
Yaak R nr Troy	MAY-JUL	131	181	215	69%	250	300	310
	MAY-SEP	137	189	225	68%	260	315	330
Kootenai R at Leonia ^{1,2}	MAY-JUL	3160	4080	4500	79%	4920	5840	5730
	MAY-SEP	4130	5000	5390	80%	5780	6650	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	900	1010	1090	83%	1170	1280	1320
	MAY-SEP	1020	1150	1240	84%	1330	1450	1480
MF Flathead R nr West Glacier	MAY-JUL	925	1050	1140	88%	1230	1370	1300
	MAY-SEP	1030	1170	1270	89%	1370	1510	1430
Sf Flathead R nr Hungry Horse	MAY-JUL	770	855	915	90%	975	1070	1020
	MAY-SEP	825	920	985	90%	1050	1140	1100
Hungry Horse Reservoir Inflow ^{1,2}	MAY-JUL	1130	1330	1430	91%	1520	1730	1580
	MAY-SEP	1210	1440	1540	91%	1640	1870	1690
Flathead R at Columbia Falls ²	MAY-JUL	3150	3500	3730	87%	3970	4320	4290
	MAY-SEP	3500	3880	4140	88%	4400	4790	4720
Ashley Ck nr Marion ²	MAY	0.87	1.5	1.92	74%	2.4	3	2.6
	MAY-JUL	1.52	2.5	3.1	79%	3.7	4.7	3.9
Swan R nr Bigfork	MAY-JUL	360	400	425	98%	455	495	435
	MAY-SEP	420	465	500	98%	530	575	510
Flathead Lake Inflow ^{1,2}	MAY-JUL	3350	3980	4260	86%	4550	5170	4940
	MAY-SEP	3650	4370	4690	87%	5020	5730	5400
Mill Ck ab Bassoo ck nr Niarada	MAY-JUL	0.55	1.32	1.85	64%	2.4	3.2	2.9
	MAY-SEP	0.8	1.6	2.1	66%	2.7	3.5	3.2
South Crow Ck nr Ronan	MAY-JUL	6.6	7.8	8.6	93%	9.4	10.6	9.2
	MAY-SEP	7.7	9	9.9	93%	10.8	12.1	10.6
Mission Ck nr St. Ignatius	MAY-JUL	19.3	21	23	96%	24	26	24
	MAY-SEP	23	25	27	93%	29	31	29
SF Jocko R nr Arlee								

MAY-JUL	490	615	705	71%	795	920	990
MAY-SEP	545	690	785	72%	880	1020	1090

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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	MAY-JUL	810	1130	1350	67%	1570	1890	2030
	MAY-SEP	950	1300	1540	67%	1780	2130	2300
Clark Fork R at St. Regis ¹	MAY-JUL	925	1510	1780	67%	2050	2630	2640
	MAY-SEP	1100	1740	2030	68%	2320	2960	2990
Clark Fork R nr Plains ^{1,2}	MAY-JUL	4530	5710	6240	80%	6770	7950	7780
	MAY-SEP	5020	6360	6970	81%	7580	8920	8650
Thompson nr Thompson Falls	MAY-JUL	38	52	62	45%	73	91	138
	MAY-SEP	48	63	74	46%	86	106	161
Prospect Ck at Thompson Falls	MAY-JUL	24	30	35	46%	40	48	76
	MAY-SEP	28	35	40	48%	45	54	84
Clark Fork R at Whitehorse Rapids ^{1,2}	MAY-JUL	5130	6400	6970	80%	7540	8810	8740
	MAY-SEP	5740	7170	7820	80%	8470	9900	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	1	4.4	8	14%	12.9	22	57
	MAY-SEP	1	4.2	8	13%	12.7	22	64
Clark Canyon Inflow ²	MAY-JUL	-44	-30	-20	-31%	3.7	39	64
	MAY-SEP	-50	-36	-13	-16%	12.7	50	83
Beaverhead R at Barretts ²	MAY-JUL	-44	-20	-5.8	-7%	32	88	85
	MAY-SEP	-40	-17	8	7%	53	120	111
Ruby R Reservoir Inflow ²	MAY-JUL	2.5	16.2	26	39%	35	49	67
	MAY-SEP	8.6	25	36	44%	47	63	82
Big Hole R at Wisdom	MAY-JUL	3.5	30	48	64%	66	93	75
	MAY-SEP	3.4	32	52	65%	72	101	80
Big Hole R nr Melrose	MAY-JUL	235	295	335	76%	380	440	440
	MAY-SEP	260	330	375	78%	420	490	480
Jefferson R nr Twin Bridges ²	MAY-JUL	20	140	250	49%	355	515	515
	MAY-SEP	20	157	285	51%	415	605	555
Boulder R nr Boulder	MAY-JUL	16.2	27	34	57%	42	52	60
	MAY-SEP	16.5	29	37	57%	46	58	65
Willow Ck Reservoir Inflow ²								

Jefferson R nr Three Forks ²	MAY-JUL	0.31	2	3.5	24%	6.7	11.4	14.4
	MAY-SEP	0.8	2.4	4.3	26%	7.7	12.7	16.8
	MAY-JUL	19	61	137	24%	255	430	575
	MAY-SEP	-188	8.9	143	23%	275	475	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	102	133	154	50%	175	205	305
	MAY-SEP	159	196	220	54%	245	280	405
Ennis Reservoir Inflow ²	MAY-JUL	154	220	265	50%	310	375	530
	MAY-SEP	235	315	370	54%	420	500	680

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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	MAY-JUL	172	215	240	65%	265	310	370
	MAY-SEP	205	255	285	65%	315	365	440
Hyalite Reservoir Inflow ²	MAY-JUL	14	15.8	17	92%	18.2	20	18.5
	MAY-SEP	16.1	18.1	19.5	93%	21	23	21
Gallatin R at Logan	MAY-JUL	66	142	194	51%	245	320	380
	MAY-SEP	89	181	245	55%	305	400	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	6.3	9.3	11.3	84%	13.3	16.3	13.4
	MAY-SEP	7.8	11.5	13.9	86%	16.4	20	16.2
Smith R bl Eagle Ck ²	MAY-JUL	23	50	69	78%	88	115	89
	MAY-SEP	25	58	81	82%	104	137	99
NF Musselshell R nr Delpine	MAY-JUL	0.5	1.94	2.9	88%	3.9	5.3	3.3
	MAY-SEP	0.81	2.5	3.6	88%	4.8	6.5	4.1
SF Musselshell R ab Martinsdale	MAY-JUL	2	11.2	24	65%	37	56	37
	MAY-SEP	1	12.7	26	65%	39	59	40
Musselshell R at Harlowton ²	MAY-JUL	-20	10.3	31	65%	52	83	48
	MAY-SEP	-24	9.4	32	64%	54	87	50

Musselshell R nr Roundup²

MAY-JUL	-8.9	9.2	21	39%	34	52	54
MAY-SEP	-11.7	7	19.8	37%	33	51	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	174	210	240	68%	265	305	355
	MAY-SEP	200	245	275	70%	300	345	395
Two Medicine R nr Browning ²	MAY-JUL	65	85	98	64%	111	131	153
	MAY-SEP	72	93	108	66%	122	144	164
Badger Ck nr Browning	MAY-JUL	19.5	31	38	49%	45	56	77
	MAY-SEP	22	35	44	48%	53	66	92
Swift Reservoir Inflow ²	MAY-JUL	11.9	21	28	57%	34	44	49
	MAY-SEP	18.3	29	37	62%	44	56	60
Dupuyer Ck nr Valier	MAY-JUL	0.2	0.9	2.6	29%	7	13.4	9.1
	MAY-SEP	-8.5	-1.29	3.6	34%	8.5	15.7	10.7
Cut Bank Ck nr Browning	MAY-JUL	26	37	44	71%	51	62	62
	MAY-SEP	28	40	48	71%	56	68	68
Marias R nr Shelby ²	MAY-JUL	10	66	124	44%	182	270	285
	MAY-SEP	10	56	121	40%	186	280	300
Teton R nr Dutton	MAY-JUL	1	5	16.2	46%	31	53	35
	MAY-SEP	1	4.6	21	51%	37	61	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	53	61	67	78%	73	81	86
	MAY-SEP	65	74	81	80%	88	97	101
St. Mary R nr Babb ²	MAY-JUL	199	235	260	76%	285	320	340
	MAY-SEP	235	275	305	77%	335	375	395
St. Mary R at Intl Boundary ²	MAY-JUL	205	255	290	73%	325	375	400
	MAY-SEP	250	310	345	73%	385	440	470
Milk R at Western Crossing of Intl Bndry, AB	MAY-JUL	1	5.7	10.6	65%	15.5	23	16.3
	MAY-SEP	1	6.4	12	68%	17.6	26	17.7
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	MAY-JUL	149	430	615	42%	800	1080	1480
	MAY-SEP	155	505	740	42%	965	1310	1760
Dearborn R nr Craig	MAY-JUL	2.4	28	45	59%	62	87	76
	MAY-SEP	6.5	33	51	62%	69	96	82
Missouri R at Fort Benton ²	MAY-JUL	240	635	900	41%	1170	1560	2190
	MAY-SEP	330	835	1180	44%	1520	2030	2680
Missouri R nr Virgelle ²	MAY-JUL	320	765	1070	43%	1370	1820	2510
	MAY-SEP	380	970	1370	45%	1770	2360	3030
Missouri R nr Landusky ²	MAY-JUL	330	765	1060	40%	1350	1790	2650
	MAY-SEP	425	1000	1390	43%	1780	2360	3200
Missouri R bl Fort Peck Dam ²	MAY-JUL	123	645	1100	41%	1350	1880	2700
	MAY-SEP	84	795	1280	41%	1760	2480	3160
Lake Sakakawea Inflow ²	MAY-JUL	2130	3190	3910	54%	4630	5690	7230
	MAY-SEP	1860	3430	4490	54%	5550	7120	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	200	260	300	55%	340	400	545
	MAY-SEP	275	350	400	54%	450	525	735
Yellowstone R at Corwin Springs	MAY-JUL	815	965	1070	72%	1170	1330	1480
	MAY-SEP	955	1140	1270	72%	1400	1580	1770
Yellowstone R at Livingston	MAY-JUL	895	1080	1210	72%	1340	1530	1670
	MAY-SEP	1070	1290	1450	72%	1600	1830	2010
Shields R nr Livingston	MAY-JUL	1	30	57	53%	84	123	108
	MAY-SEP	1	34	64	52%	94	139	123
Boulder R at Big Timber	MAY-JUL	161	191	210	78%	230	260	270
	MAY-SEP	165	200	225	78%	250	285	290
Mystic Lake Inflow ²	MAY-JUL	40	45	48	84%	51	55	57
	MAY-SEP	51	57	62	86%	66	73	72
Stillwater R nr Absarokee ²	MAY-JUL	280	330	365	87%	400	450	420
	MAY-SEP	330	390	435	88%	475	535	495
Clarks Fk Yellowstone R nr Belfry	MAY-JUL	355	395	425	89%	455	495	480
	MAY-SEP	375	425	460	88%	495	545	525
Cooney Reservoir Inflow	MAY-JUL	7.1	17.1	24	73%	31	41	33
	MAY-SEP	14.3	25	33	77%	40	51	43
Yellowstone R at Billings								

MAY-JUL	1550	1960	2230	74%	2510	2920	3000
MAY-SEP	1750	2260	2600	74%	2950	3450	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	225	460	620	49%	780	1010	1260
	MAY-SEP	210	475	650	49%	830	1090	1340
Little Bighorn R nr Hardin	MAY-JUL	24	50	67	79%	84	110	85
	MAY-SEP	25	54	74	76%	94	123	97
Tongue R nr Dayton ²	MAY-JUL	37	51	61	76%	71	85	80
	MAY-SEP	46	61	72	78%	83	98	92
Big Goose Ck nr Sheridan	MAY-JUL	17.4	26	31	70%	36	45	44
	MAY-SEP	24	32	38	73%	44	52	52
Little Goose Ck nr Bighorn	MAY-JUL	13.7	18.6	22	76%	25	30	29
	MAY-SEP	20	25	29	78%	33	38	37
Tongue River Reservoir Inflow ²	MAY-JUL	26	80	116	66%	152	205	175
	MAY-SEP	39	96	135	68%	174	230	198
Yellowstone R at Miles City ²	MAY-JUL	1960	2520	2910	67%	3290	3850	4370
	MAY-SEP	2120	2860	3370	67%	3880	4620	5030
Powder R at Moorehead	MAY-JUL	2	28	63	42%	97	148	151
	MAY-SEP	2	45	81	48%	117	171	170
Powder R nr Locate	MAY-JUL	1	21	65	40%	109	174	164
	MAY-SEP	1	34	82	44%	131	200	185
Yellowstone R nr Sidney ²	MAY-JUL	1640	2310	2770	63%	3230	3910	4380
	MAY-SEP	1630	2520	3130	63%	3730	4620	4980

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