



	MAY-JUL	35	38	40	138%	42	45	29
	MAY-SEP	39	43	45	136%	47	51	33
NF Jocko R bl Tabor Feeder Canal								
	MAY-JUL	37	39	40	143%	41	43	28
	MAY-SEP	39	41	42	140%	44	46	30

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>UPPER CLARK FORK RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Little Blackfoot nr Garrison								
	MAY-JUL	32	47	57	102%	68	83	56
	MAY-SEP	36	53	64	102%	75	92	63
Flint Ck nr Southern Cross								
	MAY-JUL	7.6	10.8	12.9	123%	15.1	18.3	10.5
	MAY-SEP	9.1	13.1	15.8	124%	18.5	23	12.7
Flint Ck bl Boulder Ck								
	MAY-JUL	34	46	54	120%	63	75	45
	MAY-SEP	47	61	71	120%	80	95	59
Lower Willow Ck Reservoir Inflow <sup>2</sup>								
	MAY	3.9	5.6	6.8	136%	8	9.7	5
	MAY-JUL	7.6	10.1	11.9	140%	13.6	16.1	8.5
MF Rock Ck nr Philipsburg								
	MAY-JUL	52	62	70	132%	77	88	53
	MAY-SEP	58	70	78	130%	86	98	60
Rock Ck nr Clinton								
	MAY-JUL	215	265	300	136%	335	385	220
	MAY-SEP	250	305	340	136%	375	430	250
Clark Fork R ab Milltown								
	MAY-JUL	345	480	575	129%	670	805	445
	MAY-SEP	425	575	675	127%	780	930	530
Nevada Ck nr Helmville								
	MAY	2.5	4.8	6.3	121%	7.8	10.1	5.2
	MAY-JUL	4.8	9	11.9	108%	14.8	19.1	11
Blackfoot R nr Bonner								
	MAY-JUL	590	675	730	124%	785	870	590
	MAY-SEP	670	760	820	121%	880	970	675
Clark Fork R ab Missoula								
	MAY-JUL	965	1180	1320	128%	1460	1670	1030
	MAY-SEP	1130	1350	1510	126%	1660	1890	1200

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>BITTERROOT RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
WF Bitterroot R Nr Conner <sup>2</sup>								
	MAY-JUL	94	114	128	117%	143	163	109
	MAY-SEP	99	124	141	118%	158	183	120
Bitterroot R Nr Darby								
	MAY-JUL	310	370	410	109%	450	515	375
	MAY-SEP	365	430	470	115%	515	575	410
Como Reservoir Inflow <sup>2</sup>								
	MAY-JUL	59	67	71	108%	76	83	66
	MAY-SEP	63	70	75	109%	80	88	69
Bitterroot R nr Missoula								



Jefferson R nr Three Forks <sup>2</sup>	MAY-JUL	8.1	13.5	17.2	119%	21	26	14.4
	MAY-JUL	350	510	620	108%	730	890	575
	MAY-SEP	365	550	680	107%	810	995	635

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>MADISON RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Hebgen Reservoir Inflow <sup>2</sup>								
	MAY-JUL	290	330	355	116%	380	420	305
	MAY-SEP	380	430	465	115%	500	550	405
Ennis Reservoir Inflow <sup>2</sup>								
	MAY-JUL	480	545	590	111%	635	700	530
	MAY-SEP	610	695	750	110%	805	890	680

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>GALLATIN RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gateway								
	MAY-JUL	335	375	400	108%	425	465	370
	MAY-SEP	395	440	470	107%	500	545	440
Hyalite Reservoir Inflow <sup>2</sup>								
	MAY-JUL	15.6	17.4	18.6	101%	19.8	22	18.5
	MAY-SEP	18.1	20	21	100%	23	25	21
Gallatin R at Logan								
	MAY-JUL	275	345	400	105%	450	525	380
	MAY-SEP	315	405	465	104%	525	615	445

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>SMITH-JUDITH-MUSSELSHELL</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sheep Ck nr White Sulphur Springs								
	MAY-JUL	5.4	8.4	10.4	78%	12.4	15.4	13.4
	MAY-SEP	6.9	10.5	13	80%	15.5	19.1	16.2
Smith R bl Eagle Ck <sup>2</sup>								
	MAY-JUL	38	65	84	94%	103	130	89
	MAY-SEP	38	71	94	95%	116	150	99
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale								
	MAY-JUL	0.27	19.2	32	86%	45	64	37
	MAY-SEP	1.09	21	34	85%	47	67	40
Musselshell R at Harlowton <sup>2</sup>								
	MAY-JUL	10.2	29	41	85%	53	72	48
	MAY-SEP	6.9	28	42	84%	56	77	50
Musselshell R nr Roundup <sup>2</sup>								
	MAY-JUL	9.7	28	40	74%	52	70	54

MAY-SEP 6.5 25 38 70% 51 70 54

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Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

<b>SUN-TETON-MARIAS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
<b>Gibson Reservoir Inflow</b>								
	MAY-JUL	350	390	415	117%	440	480	355
	MAY-SEP	385	430	460	116%	490	530	395
<b>Two Medicine R nr Browning<sup>2</sup></b>								
	MAY-JUL	144	167	182	119%	197	220	153
	MAY-SEP	154	178	194	118%	210	235	164
<b>Badger Ck nr Browning</b>								
	MAY-JUL	66	79	88	114%	97	110	77
	MAY-SEP	77	93	103	112%	113	129	92
<b>Swift Reservoir Inflow<sup>2</sup></b>								
	MAY-JUL	38	48	55	112%	62	72	49
	MAY-SEP	46	58	66	110%	74	86	60
<b>Dupuyer Ck nr Valier</b>								
	MAY-JUL	3.7	6.6	8.5	93%	10.4	13.3	9.1
	MAY-SEP	4.5	7.7	9.9	93%	12.1	15.3	10.7
<b>Cut Bank Ck nr Browning</b>								
	MAY-JUL	55	65	72	116%	80	90	62
	MAY-SEP	60	71	79	116%	87	99	68
<b>Marias R nr Shelby<sup>2</sup></b>								
	MAY-JUL	230	300	345	115%	390	460	300
	MAY-SEP	240	315	365	116%	415	490	315
<b>Teton R nr Dutton</b>								
	MAY-JUL	17	31	39	111%	48	61	35
	MAY-SEP	5.7	30	46	112%	63	87	41

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Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

<b>ST. MARY &amp; MILK BASINS</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
<b>Lake Sherburne Inflow</b>								
	MAY-JUL	90	100	107	124%	114	124	86
	MAY-SEP	104	115	123	122%	131	142	101
<b>St. Mary R nr Babb<sup>2</sup></b>								
	MAY-JUL	360	400	425	125%	450	490	340
	MAY-SEP	410	455	485	123%	515	560	395
<b>St. Mary R at Intl Boundary<sup>2</sup></b>								
	MAY-JUL	400	455	495	124%	535	590	400
	MAY-SEP	460	525	565	120%	610	670	470
<b>Milk R at Western Crossing of Intl Bndry, AB</b>								
<b>Milk R at Eastern Crossing of Intl Bndry</b>								

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Forecast Exceedance Probabilities for Risk Assessment  
Chance that actual volume will exceed forecast

<b>MISSOURI MAINSTEM BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Missouri R at Toston <sup>2</sup>	MAY-JUL	1160	1420	1600	108%	1780	2040	1480
	MAY-SEP	1330	1660	1890	107%	2110	2450	1760
Dearborn R nr Craig								
Missouri R at Fort Benton <sup>2</sup>	MAY-JUL	1700	2130	2420	111%	2710	3140	2190
	MAY-SEP	2060	2590	2950	110%	3310	3840	2680
Missouri R nr Virgelle <sup>2</sup>	MAY-JUL	2010	2470	2790	111%	3100	3560	2510
	MAY-SEP	2360	2940	3330	110%	3720	4300	3030
Missouri R nr Landusky <sup>2</sup>	MAY-JUL	2140	2640	2990	113%	3330	3840	2650
	MAY-SEP	2520	3140	3570	112%	3990	4620	3200
Missouri R bl Fort Peck Dam <sup>2</sup>	MAY-JUL	2000	2580	2970	110%	3370	3940	2700
	MAY-SEP	2140	2890	3410	108%	3920	4680	3160
Lake Sakakawea Inflow <sup>2</sup>	MAY-JUL	8610	10000	11000	152%	12000	13400	7230
	MAY-SEP	9550	11300	12500	150%	13800	15600	8320

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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
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<b>UPPER YELLOWSTONE RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Yellowstone R at Yellowstone Lake Outlet	MAY-JUL	710	770	815	150%	860	920	545
	MAY-SEP	960	1040	1100	150%	1160	1250	735
Yellowstone R at Corwin Springs	MAY-JUL	1930	2080	2180	147%	2280	2430	1480
	MAY-SEP	2260	2460	2590	146%	2720	2920	1770
Yellowstone R at Livingston	MAY-JUL	2180	2370	2500	150%	2620	2810	1670
	MAY-SEP	2600	2810	2960	147%	3110	3330	2010
Shields R nr Livingston	MAY-JUL	84	116	137	127%	158	190	108
	MAY-SEP	92	127	150	122%	173	210	123
Boulder R at Big Timber	MAY-JUL	240	275	300	111%	325	360	270
	MAY-SEP	250	295	320	110%	345	390	290
Mystic Lake Inflow <sup>2</sup>	MAY-JUL	60	64	67	118%	70	74	57
	MAY-SEP	78	83	87	121%	91	96	72
Stillwater R nr Absarokee <sup>2</sup>	MAY-JUL	445	500	540	129%	580	635	420
	MAY-SEP	525	590	635	128%	680	745	495
Clarks Fk Yellowstone R nr Belfry	MAY-JUL	720	770	800	167%	835	885	480
	MAY-SEP	790	845	885	169%	920	975	525
Cooney Reservoir Inflow	MAY-JUL	14.5	24	31	94%	38	48	33
	MAY-SEP	23	33	41	95%	48	59	43
Yellowstone R at Billings	MAY-JUL	3740	4130	4400	147%	4660	5060	3000
	MAY-SEP	4270	4750	5080	146%	5400	5880	3490

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>LOWER YELLOWSTONE RIVER BASIN (Wyoming)</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Bighorn R nr St. Xavier <sup>2</sup>	MAY-JUL	2620	2890	3080	244%	3270	3540	1260
	MAY-SEP	2900	3190	3390	253%	3590	3880	1340
Little Bighorn R nr Hardin	MAY-JUL	69	94	112	132%	129	155	85
	MAY-SEP	78	107	126	130%	146	175	97
Tongue R nr Dayton <sup>2</sup>	MAY-JUL	75	90	100	125%	110	124	80
	MAY-SEP	86	103	114	124%	125	141	92
Big Goose Ck nr Sheridan	MAY-JUL	43	53	59	134%	66	76	44
	MAY-SEP	51	61	68	131%	75	85	52
Little Goose Ck nr Bighorn	MAY-JUL	31	37	41	141%	45	51	29
	MAY-SEP	39	46	50	135%	55	61	37
Tongue River Reservoir Inflow <sup>2</sup>	MAY-JUL	164	215	250	143%	290	340	175
	MAY-SEP	185	240	280	141%	315	375	198
Yellowstone R at Miles City <sup>2</sup>	MAY-JUL	6390	7100	7580	173%	8060	8770	4370
	MAY-SEP	7260	8120	8700	173%	9280	10100	5030
Powder R at Moorehead	MAY-JUL	215	285	335	222%	385	460	151
	MAY-SEP	245	320	370	218%	420	495	170
Powder R nr Locate	MAY-JUL	225	310	365	223%	420	505	164
	MAY-SEP	260	350	410	222%	465	555	185
Yellowstone R nr Sidney <sup>2</sup>	MAY-JUL	6620	7430	7980	182%	8540	9350	4380
	MAY-SEP	7470	8450	9120	183%	9790	10800	4980

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 3) Median value used in place of average