

	JUN-JUL	21	23	25	146%	26	28	17.1
	JUN-SEP	25	28	29	138%	31	34	21
NF Jocko R bl Tabor Feeder Canal								
	JUN-JUL	19.2	21	22	143%	23	25	15.4
	JUN-SEP	21	23	24	139%	26	28	17.3

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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								
	JUN-JUL	23	31	37	128%	42	51	29
	JUN-SEP	28	38	44	122%	51	61	36
Flint Ck nr Southern Cross								
	JUN-JUL	5.9	8.1	9.6	141%	11.1	13.3	6.8
	JUN-SEP	7.9	10.8	12.8	142%	14.8	17.8	9
Flint Ck bl Boulder Ck								
	JUN-JUL	27	35	41	132%	46	55	31
	JUN-SEP	35	46	53	120%	61	71	44
Lower Willow Ck Reservoir Inflow ²								
	JUN-JUL	1.67	3.1	4	111%	4.9	6.3	3.6
	JUN-SEP	2.3	3.8	4.9	109%	5.9	7.5	4.5
MF Rock Ck nr Philipsburg								
	JUN-JUL	26	33	38	112%	43	51	34
	JUN-SEP	31	40	46	112%	51	60	41
Rock Ck nr Clinton								
	JUN-JUL	97	128	148	113%	168	199	131
	JUN-SEP	128	162	186	113%	210	245	164
Clark Fork R ab Milltown								
	JUN-JUL	192	265	315	117%	365	440	270
	JUN-SEP	270	355	415	117%	475	565	355
Nevada Ck nr Helmville								
	JUN-JUL	4	5.4	6.4	110%	7.4	8.8	5.8
	JUN-SEP	5.2	6.8	7.9	110%	9	10.6	7.2
Blackfoot R nr Bonner								
	JUN-JUL	285	330	360	111%	390	435	325
	JUN-SEP	365	410	445	110%	480	525	405
Clark Fork R ab Missoula								
	JUN-JUL	505	605	675	113%	745	845	595
	JUN-SEP	660	780	860	112%	940	1060	765

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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

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	54	62	68	121%	74	82	56
	JUN-SEP	60	72	80	119%	88	100	67
Bitterroot R Nr Darby								
	JUN-JUL	205	225	240	117%	255	275	205
	JUN-SEP	255	280	300	125%	320	345	240
Como Reservoir Inflow ²								
	JUN-JUL	28	36	41	108%	46	54	38
	JUN-SEP	32	40	46	110%	52	60	42
Bitterroot R nr Missoula								

JUN-JUL	565	640	695	116%	750	825	600
JUN-SEP	650	735	795	113%	855	940	705

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- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

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	1190	1350	1460	122%	1570	1730	1200
	JUN-SEP	1420	1610	1730	118%	1850	2040	1470
Clark Fork R at St. Regis ¹	JUN-JUL	1430	1730	1870	122%	2010	2310	1530
	JUN-SEP	1720	2060	2220	118%	2380	2720	1880
Clark Fork R nr Plains ^{1,2}	JUN-JUL	4360	5050	5370	118%	5690	6380	4540
	JUN-SEP	5100	5930	6310	117%	6690	7520	5410
Thompson nr Thompson Falls	JUN-JUL	55	66	73	104%	80	91	70
	JUN-SEP	75	88	96	103%	105	118	93
Prospect Ck at Thompson Falls	JUN-JUL	29	33	36	103%	38	42	35
	JUN-SEP	36	41	43	100%	46	50	43
Clark Fork R at Whitehorse Rapids ^{1,2}	JUN-JUL	4850	5600	5940	117%	6280	7030	5070
	JUN-SEP	5740	6640	7040	116%	7440	8340	6090

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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

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	15.2	22	27	100%	32	39	27
	JUN-SEP	18.4	27	33	100%	39	48	33
Clark Canyon Inflow ²	JUN-JUL	1.97	20	33	94%	46	64	35
	JUN-SEP	11.8	37	54	98%	71	96	55
Beaverhead R at Barretts ²	JUN-JUL	15.4	37	51	104%	65	87	49
	JUN-SEP	31	58	77	103%	96	123	75
Ruby R Reservoir Inflow ²	JUN-JUL	28	37	43	105%	49	58	41
	JUN-SEP	42	52	59	105%	66	76	56
Big Hole R at Wisdom	JUN-JUL	35	58	74	161%	90	113	46
	JUN-SEP	40	66	83	160%	100	126	52
Big Hole R nr Melrose	JUN-JUL	305	360	400	148%	440	495	270
	JUN-SEP	340	410	455	144%	500	570	315
Jefferson R nr Twin Bridges ²	JUN-JUL	270	385	460	144%	540	650	320
	JUN-SEP	225	350	525	148%	520	650	355
Boulder R nr Boulder	JUN-JUL	42	53	61	191%	68	80	32
	JUN-SEP	46	59	68	184%	78	91	37

Willow Ck Reservoir Inflow ²	JUN-JUL	6.7	10.4	12.9	124%	15.4	19.1	10.4
Jefferson R nr Three Forks ²	JUN-JUL	280	405	560	158%	575	705	355
	JUN-SEP	275	430	620	149%	645	805	415

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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

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	144	168	184	103%	200	225	178
	JUN-SEP	225	260	285	102%	310	345	280
Ennis Reservoir Inflow ²	JUN-JUL	265	310	340	103%	370	415	330
	JUN-SEP	385	450	490	101%	530	590	485

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- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

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	220	250	270	106%	290	320	255
	JUN-SEP	270	310	335	105%	360	400	320
Hyalite Reservoir Inflow ²	JUN-JUL	12.1	13.6	14.6	113%	15.6	17.1	12.9
	JUN-SEP	14.7	16.6	17.9	114%	19.1	21	15.7
Gallatin R at Logan	JUN-JUL	196	250	285	116%	325	380	245
	JUN-SEP	240	310	355	115%	405	475	310

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- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

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	5.5	7.7	9.2	114%	10.7	12.9	8.1
	JUN-SEP	7	10	12	110%	14	17	10.9
Smith R bl Eagle Ck ²	JUN-JUL	36	56	70	130%	84	104	54
	JUN-SEP	35	63	81	125%	99	127	65
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale	JUN-JUL	5.1	16.3	24	120%	32	43	20
	JUN-SEP	6.8	18.8	27	117%	35	47	23
Musselshell R at Harlowton ²	JUN-JUL	10.9	24	33	118%	42	55	28
	JUN-SEP	6.8	23	34	113%	45	61	30

Musselshell R nr Roundup²

JUN-JUL	2.6	28	45	132%	62	87	34
JUN-SEP	0.57	26	43	126%	60	85	34

- 1) 90% and 10% exceedance probabilities are actually 95% and 5%
- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average

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								
	JUN-JUL	205	230	250	119%	270	295	210
	JUN-SEP	240	275	295	118%	315	345	250
Two Medicine R nr Browning ²								
	JUN-JUL	54	68	78	95%	88	102	82
	JUN-SEP	61	78	89	95%	100	117	94
Badger Ck nr Browning								
	JUN-JUL	30	39	46	100%	53	62	46
	JUN-SEP	41	52	60	98%	68	79	61
Swift Reservoir Inflow ²								
	JUN-JUL	23	28	32	107%	36	41	30
	JUN-SEP	29	37	42	102%	47	55	41
Dupuyer Ck nr Valier								
	JUN-JUL	2.1	3.8	4.9	91%	6	7.7	5.4
	JUN-SEP	2	4.2	5.7	83%	7.2	9.4	6.9
Cut Bank Ck nr Browning								
	JUN-JUL	22	31	37	97%	44	53	38
	JUN-SEP	25	36	43	98%	50	61	44
Marias R nr Shelby ²								
	JUN-JUL	55	106	140	90%	174	225	156
	JUN-SEP	52	112	153	89%	194	255	172
Teton R nr Dutton								
	JUN-JUL	0.8	12.4	25	104%	38	56	24
	JUN-SEP	1	14.9	30	103%	45	67	29

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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

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	46	55	62	111%	68	77	56
	JUN-SEP	59	69	77	108%	84	95	71
St. Mary R nr Babb ²								
	JUN-JUL	193	230	260	111%	285	325	235
	JUN-SEP	240	285	320	108%	350	395	295
St. Mary R at Intl Boundary ²								
	JUN-JUL	210	265	305	111%	340	395	275
	JUN-SEP	270	330	375	109%	415	475	345
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

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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

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	845	1060	1200	128%	1350	1560	940
	JUN-SEP	1010	1300	1490	122%	1690	1970	1220
Dearborn R nr Craig								
Missouri R at Fort Benton ²	JUN-JUL	1240	1570	1790	127%	2010	2330	1410
	JUN-SEP	1590	2020	2320	122%	2610	3050	1900
Missouri R nr Virgelle ²	JUN-JUL	1400	1740	1980	124%	2210	2550	1600
	JUN-SEP	1740	2200	2520	119%	2840	3310	2120
Missouri R nr Landusky ²	JUN-JUL	1520	1890	2140	125%	2390	2760	1710
	JUN-SEP	1890	2380	2720	120%	3060	3550	2260
Missouri R bl Fort Peck Dam ²	JUN-JUL	1410	1850	2150	126%	2450	2890	1710
	JUN-SEP	1550	2180	2600	120%	3030	3660	2170
Lake Sakakawea Inflow ²	JUN-JUL	4990	6100	6860	136%	7610	8730	5060
	JUN-SEP	5610	7120	8140	132%	9160	10700	6150

1) 90% and 10% exceedance probabilities are actually 95% and 5%

2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions

3) Median value used in place of average

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

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	410	485	535	115%	580	655	465
	JUN-SEP	615	700	755	115%	815	900	655
Yellowstone R at Corwin Springs	JUN-JUL	1160	1280	1370	132%	1450	1570	1040
	JUN-SEP	1470	1620	1730	130%	1830	1980	1330
Yellowstone R at Livingston	JUN-JUL	1320	1470	1570	133%	1680	1830	1180
	JUN-SEP	1670	1860	1980	130%	2110	2300	1520
Shields R nr Livingston	JUN-JUL	45	68	83	134%	99	122	62
	JUN-SEP	52	78	96	126%	114	140	76
Boulder R at Big Timber	JUN-JUL	230	260	285	143%	305	335	200
	JUN-SEP	245	285	310	138%	340	380	225
Mystic Lake Inflow ²	JUN-JUL	51	55	58	123%	61	65	47
	JUN-SEP	67	73	77	122%	81	87	63
Stillwater R nr Absarokee ²	JUN-JUL	355	395	425	131%	460	500	325
	JUN-SEP	420	480	520	130%	560	620	400
Clarks Fk Yellowstone R nr Belfry	JUN-JUL	515	560	595	170%	625	670	350
	JUN-SEP	570	625	665	168%	700	755	395
Cooney Reservoir Inflow	JUN-JUL	12	18.5	23	105%	27	34	22
	JUN-SEP	19.8	28	33	106%	38	46	31
Yellowstone R at Billings	JUN-JUL	2600	2950	3190	147%	3430	3790	2170
	JUN-SEP	3080	3540	3850	145%	4160	4610	2660

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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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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	840	1040	1180	128%	1320	1520	920
	JUN-SEP	880	1120	1290	128%	1460	1700	1010
Little Bighorn R nr Hardin	JUN-JUL	20	37	48	91%	60	76	53
	JUN-SEP	27	47	60	91%	74	94	66
Tongue R nr Dayton ²	JUN-JUL	23	33	39	80%	45	55	49
	JUN-SEP	32	43	50	81%	58	69	62
Big Goose Ck nr Sheridan	JUN-JUL	13.9	20	25	81%	29	36	31
	JUN-SEP	21	28	33	85%	37	44	39
Little Goose Ck nr Bighorn	JUN-JUL	11.8	14.6	16.5	86%	18.4	21	19.1
	JUN-SEP	18.1	22	24	89%	27	31	27
Tongue River Reservoir Inflow ²	JUN-JUL	37	65	84	76%	104	132	110
	JUN-SEP	47	81	104	78%	127	162	134
Yellowstone R at Miles City ²	JUN-JUL	3400	4000	4410	138%	4820	5420	3200
	JUN-SEP	3970	4750	5280	136%	5810	6590	3870
Powder R at Moorehead	JUN-JUL	57	91	114	124%	137	171	92
	JUN-SEP	66	105	132	120%	159	198	110
Powder R nr Locate	JUN-JUL	50	95	125	124%	155	200	101
	JUN-SEP	61	113	148	121%	184	235	122
Yellowstone R nr Sidney ²	JUN-JUL	3390	4080	4540	140%	5000	5680	3240
	JUN-SEP	3870	4760	5360	140%	5970	6860	3840

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- 2) Forecasts are for unimpaired flows. Actual flow will be dependent on management of upstream reservoirs and diversions
- 3) Median value used in place of average