

Flint Ck nr Southern Cross

Flint Ck bl Boulder Ck

Lower Willow Ck Reservoir Inflow²

MF Rock Ck nr Philipsburg

Rock Ck nr Clinton

Clark Fork R ab Milltown

Nevada Ck nr Helmville

Blackfoot R nr Bonner

Clark Fork R ab Missoula

- 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

BITTERROOT RIVER BASIN	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
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WF Bitterroot R Nr Conner²

Bitterroot R Nr Darby

Como Reservoir Inflow²

Bitterroot R nr Missoula

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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)
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Clark Fork R bl Missoula

Clark Fork R at St. Regis¹

Clark Fork R nr Plains^{1,2}

Thompson nr Thompson Falls

Prospect Ck at Thompson Falls

Clark Fork R at Whitehorse Rapids^{1,2}

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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	14.7	22	27	100%	31	38	27
	JUN-SEP	18.3	27	33	100%	39	47	33
Clark Canyon Inflow ²								
Beaverhead R at Barretts ²								
Ruby R Reservoir Inflow ²	JUN-JUL	16.2	25	31	76%	37	45	41
	JUN-SEP	27	37	44	79%	51	61	56
Big Hole R at Wisdom								
Big Hole R nr Melrose	JUN-JUL	161	220	260	96%	295	355	270
	JUN-SEP	187	255	300	95%	345	415	315
Jefferson R nr Twin Bridges ²								
Boulder R nr Boulder								
Willow Ck Reservoir Inflow ²								
Jefferson R nr Three Forks ²								

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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	139	163	179	101%	195	220	178
	JUN-SEP	220	255	280	100%	305	340	280
Ennis Reservoir Inflow ²								

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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	JUN-JUL	215	245	265	104%	285	315	255
	JUN-SEP	270	305	330	103%	360	395	320
Hyalite Reservoir Inflow ²	JUN-JUL	11.6	13	14	109%	15	16.5	12.9
	JUN-SEP	13.8	15.7	17	108%	18.3	20	15.7
Gallatin R at Logan								

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

SMITH-JUDITH-MUSSELHELL	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Sheep Ck nr White Sulphur Springs								
Smith R bl Eagle Ck ²								
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale								
Musselshell R at Harlowton ²								
Musselshell R nr Roundup ²								

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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								
	JUN-JUL	126	152	170	81%	188	215	210
	JUN-SEP	159	190	210	84%	230	260	250
Two Medicine R nr Browning ²								
Badger Ck nr Browning								
Swift Reservoir Inflow ²								
	JUN-JUL	19.7	25	29	97%	33	38	30
	JUN-SEP	26	34	39	95%	44	52	41
Dupuyer Ck nr Valier								
Cut Bank Ck nr Browning								
Marias R nr Shelby ²								
Teton R nr Dutton								

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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								
St. Mary R nr Babb ²								
St. Mary R at Intl Boundary ²								
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

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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								
Dearborn R nr Craig								
Missouri R at Fort Benton ²								
Missouri R nr Virgelle ²								
Missouri R nr Landusky ²								
Missouri R bl Fort Peck Dam ²								
Lake Sakakawea Inflow ²								

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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								
Yellowstone R at Corwin Springs								
	JUN-JUL	1020	1140	1230	118%	1310	1430	1040
	JUN-SEP	1300	1450	1550	117%	1660	1810	1330
Yellowstone R at Livingston								
Shields R nr Livingston								
Boulder R at Big Timber								
	JUN-JUL	156	188	210	105%	230	265	200
	JUN-SEP	167	205	230	102%	260	300	225
Mystic Lake Inflow ²								
Stillwater R nr Absarokee ²								
	JUN-JUL	270	315	345	106%	375	420	325
	JUN-SEP	330	385	425	106%	465	525	400
Clarks Fk Yellowstone R nr Belfry								
	JUN-JUL	360	405	435	124%	465	510	350
	JUN-SEP	395	450	485	123%	525	580	395
Cooney Reservoir Inflow								
Yellowstone R at Billings								

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

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								
Little Bighorn R nr Hardin								
Tongue R nr Dayton ²								
Big Goose Ck nr Sheridan								
Little Goose Ck nr Bighorn								
Tongue River Reservoir Inflow ²								
Yellowstone R at Miles City ²								
Powder R at Moorehead								
Powder R nr Locate								
Yellowstone R nr Sidney ²								

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 - 3) Median value used in place of average