



Flint Ck nr Southern Cross  
 Flint Ck bl Boulder Ck  
 Lower Willow Ck Reservoir Inflow<sup>2</sup>  
 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
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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>								
Bitterroot R Nr Darby								
Como Reservoir Inflow <sup>2</sup>								
Bitterroot R nr Missoula								

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>LOWER CLARK FORK RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Clark Fork R bl Missoula								
Clark Fork R at St. Regis <sup>1</sup>								
Clark Fork R nr Plains <sup>1,2</sup>								
Thompson nr Thompson Falls								
Prospect Ck at Thompson Falls								
Clark Fork R at Whitehorse Rapids <sup>1,2</sup>								

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Forecast Exceedance Probabilities for Risk Assessment Chance that actual volume will exceed forecast
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<b>JEFFERSON RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Lima Reservoir Inflow <sup>2</sup>								
Clark Canyon Inflow <sup>2</sup>								
Beaverhead R at Barretts <sup>2</sup>								
Ruby R Reservoir Inflow <sup>2</sup>								
Big Hole R at Wisdom								
Big Hole R nr Melrose								
Jefferson R nr Twin Bridges <sup>2</sup>								
Boulder R nr Boulder								
Willow Ck Reservoir Inflow <sup>2</sup>								
Jefferson R nr Three Forks <sup>2</sup>								

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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>								
Ennis Reservoir Inflow <sup>2</sup>								

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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>GALLATIN RIVER BASIN</b>	Forecast Period	90% (KAF)	70% (KAF)	50% (KAF)	% Avg	30% (KAF)	10% (KAF)	30yr Avg (KAF)
Gallatin R nr Gateway								
Hyalite Reservoir Inflow <sup>2</sup>								
Gallatin R at Logan								

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

<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								
Smith R bl Eagle Ck <sup>2</sup>								
NF Musselshell R nr Delpine								
SF Musselshell R ab Martinsdale								
Musselshell R at Harlowton <sup>2</sup>								
Musselshell R nr Roundup <sup>2</sup>								

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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)
Gibson Reservoir Inflow								
Two Medicine R nr Browning <sup>2</sup>								
Badger Ck nr Browning								
Swift Reservoir Inflow <sup>2</sup>								
Dupuyer Ck nr Valier								
Cut Bank Ck nr Browning								
Marias R nr Shelby <sup>2</sup>								
Teton R nr Dutton								

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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)
Lake Sherburne Inflow								
St. Mary R nr Babb <sup>2</sup>								
St. Mary R at Intl Boundary <sup>2</sup>								
Milk R at Western Crossing of Intl Bndry, AB								
Milk R at Eastern Crossing of Intl Bndry								

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

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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								
Yellowstone R at Corwin Springs								
Yellowstone R at Livingston								
Shields R nr Livingston								
Boulder R at Big Timber								
Mystic Lake Inflow <sup>2</sup>								
Stillwater R nr Absarokee <sup>2</sup>								
Clarks Fk Yellowstone R nr Belfry								
Cooney Reservoir Inflow								
Yellowstone R at Billings								

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

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