

River Basins Currently with Advisories

Information in addition to this advisory may be found at:

<http://www.environment.alberta.ca/forecasting/forecasterscomments>

<http://www.environment.alberta.ca/apps/basins>

High Streamflow Advisory - Stream levels are rising or expected to rise rapidly and no major flooding is expected. Minor flooding in low-lying areas is possible. Anyone situated close to the streams affected is advised to be cautious of the rising levels.

Flood Watch - Stream levels are rising and will approach or may exceed bank full. Flooding of areas adjacent to these streams may occur. Anyone situated close to the river is advised to take appropriate precautionary measures.

Flood Warning - Rising stream levels will result in flooding of areas adjacent to the streams affected. Anyone situated close to the river should take appropriate measures to avoid flood damage.



Streamflow Advisory Overview for Alberta

Advisories apply to streams and their tributaries unless otherwise noted.

There has been an increase in the amount of precipitation expected over the next few days. It's possible that an additional 100 mm of rainfall could fall in the Grande Prairie area, extending east into the Swan Hills. The advisories in the area have been upgraded to a Flood Watch to reflect the change in expected precipitation. It should be noted that this weather system is just getting established, and river forecasts may be upgraded or downgraded depending on how the rainfall unfolds or deviates from the forecasted precipitation.

A High Streamflow Advisory has been issued due to the possibility of large water level changes in tributaries of the Athabasca upstream of Whitecourt, including the Berland and Wildhay Rivers.

The High Streamflow Advisories issued yesterday have been upgraded to Flood Watches, and include the following locations:

Peace River Basin:

- Kakwa River: ~3 m rise.
- Smoky River: ~3 m rise in headwaters, larger rises possible downstream of confluence with Wapiti River.
- Wapiti River: ~5 m rise.
- Little Smoky River: ~3 m rise.
- Simonette River: ~2.5 m rise.

As noted, all Tributaries of the above rivers are included in the advisory, including but not limited to the Cutbank River, Pinto Creek and the Redwillow River.

Athabasca River Basin:

All streams and tributaries flowing out of the Swan Hills have been put on a Flood Watch. Currently, river forecasts indicate that river flooding may affect rural areas, however at this time, no known flooding thresholds in communities within or surrounding the Swan Hills are expected to be exceeded.

- Sawridge Creek: ~3 m rise.
- Swan River: ~4 m rise.
- East Prairie Creek: ~3 m rise.
- West Prairie Creek: ~ 3.5 m rise.
- Driftpile River: ~5 m rise.
- Freeman River: ~3 m rise.

The tributaries of the Athabasca upstream of Whitecourt are under a High Streamflow Advisory, due to the uncertainty of rainfall amounts in the area. Water levels in tributaries may be affected to the weather system, however the Athabasca River itself is not expected to be drastically affected at this time.

Thunderstorms also have the capability to cause overland flooding and ponding of low-lying areas as water makes its way into streams. Flooding of urban areas is also possible when intense rainfall from thunderstorms overwhelm local infrastructure.

Athabasca River Basin

Stream	High Streamflow Advisory	Flood Watch	Flood Warning	Water Level Status	Advisory Status
Sawridge Creek		✓		Steady	Upgraded
West Prairie River		✓		Steady	Upgraded
East Prairie River		✓		Steady	Upgraded
Driftpile River		✓		Steady	Upgraded
Swan River		✓		Steady	Upgraded
Freeman River		✓		Steady	Upgraded
Tributaries of the Athabasca River upstream of Whitecourt, including: The Berland River and Wildhay River.	✓			Steady	New

Peace River Basin

Stream	High Streamflow Advisory	Flood Watch	Flood Warning	Water Level Status	Advisory Status
Wapiti River and its tributaries.		✓		Steady	Upgraded
Kakwa River and its tributaries.		✓		Steady	Upgraded
Little Smoky River and its tributaries.		✓		Steady	Upgraded
Smoky River and its tributaries.		✓		Steady	Upgraded
Simonette River near Goodwin		✓		Steady	Upgraded

Media Contact:

Communications Division,
 Alberta Environment and
 Sustainable Resource Development Phone: 780-427-8636