

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.

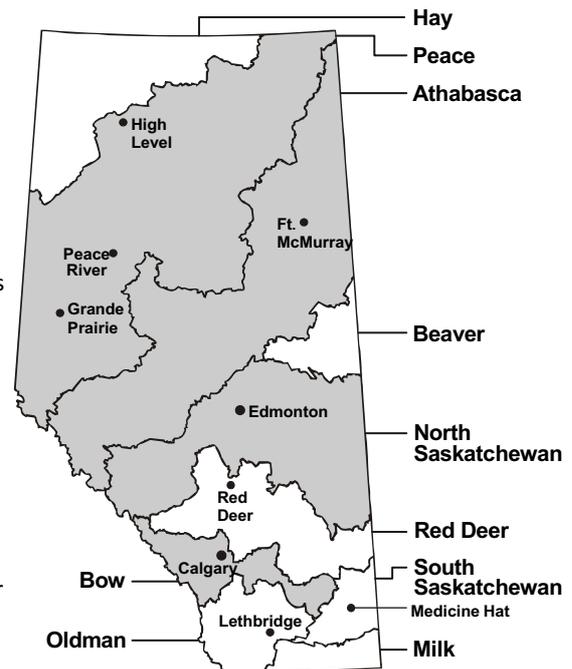
Flood Watch - Stream levels are rising and will approach or may exceed bank full. Flooding of areas adjacent to these streams may occur. Anyone situated close to the river is advised to take appropriate precautionary measures.

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.

Ice Advisory - Stream levels are expected to change rapidly as the river ice cover is freezing up or breaking up. No major flooding is expected as river levels are expected to remain within bank full. This is a natural process, however ice movement and shoving may cause minor flooding in low-lying areas. Anyone situated close to the streams affected is advised to be cautious of rapidly changing water and ice levels.

Ice Jam Watch - Conditions are favourable for the formation of ice jams, or an ice jam has been reported causing stream levels to rise and approach or exceed bank full. Flooding of areas adjacent to the stream affected or groundwater seepage flooding may occur. Ice jams can obstruct the flow of a river channel. The location and occurrence of ice jams and possible associated flooding are very unpredictable. Anyone situated close to the streams affected is advised to be cautious of rapidly changing water and ice levels and to take appropriate precautionary measures.

Ice Jam Warning - A reported ice jam is causing flooding in areas adjacent to the stream affected and is impacting a community and/or infrastructure. Ice jams can obstruct the flow of a river channel. The location and occurrence of ice jams and possible associated flooding are very unpredictable. Anyone situated close to the streams affected is advised to be cautious of rapidly changing water and ice levels and to take appropriate measures to avoid flood damage.



River Advisory Overview for Alberta

Advisories apply to streams and their tributaries unless otherwise noted

- The majority of the rainfall from this storm system has fallen, although an additional 10-20 mm may be seen in the eastern slopes and foothills as the precipitation tracks south and weakens.
 - This remaining precipitation is not expected to cause further significant water level rises.
- The highest precipitation amounts from organized rainfall was 50-70 mm in the northern eastern slopes and foothills, and 100 mm was recorded in the Grande Cache area.
 - Much of the province below a horizontal line drawn through the Swan Hills saw 10-30 mm from this system, with local higher amounts due to thunderstorm activity.

Advisories:

Smoky River Basin:

- The High Streamflow Advisory will remain in effect for the Smoky River upstream of Watino and its tributaries as some locations have not yet peaked, and those which have peaked still have high water levels.
- Locations which have peaked and their total water level rises are summarized below:
 - Smoky River Above Hells Creek - 1.5 m rise
 - Muskeg River near Grande Cache - 1.0 m rise
 - Cutbank River near Grande Prairie - 2.0 m rise
 - Kakwa River at Highway 40 - 3.0 m rise
 - Pinto Creek near Grande Prairie - 1.0 m rise
 - Deep Valley Creek near Valleyview - 0.9 m rise
- Water levels on the Wapiti River near Grande Prairie have risen 3.0 m and is still rising.
- Water levels along the mainstem of the Smoky River will continue to rise as water makes it's way downstream.

Athabasca River Basin:

- The High Streamflow Advisory will remain in effect for the Athabasca River upstream of Whitecourt and its tributaries, as well as the Pembina River.

- Water levels have begun to rise in response to the rainfall and have not yet peaked. The largest water level rises thus far are as follows:
 - Mcleod River above Embarras River - 0.6 m and rising
 - Wolf Creek at Highway 16A - 0.4 m and rising
 - Berland River near the Mouth - 0.5 m and rising
 - Pembina River below Paddy Creek - 0.6 m and rising
- Total water level rises of 1-2 m are still possible in these water courses.

North Saskatchewan River Basin:

- The High Streamflow Advisory for the North Saskatchewan River basin for the North Saskatchewan River and its tributaries upstream of Lodgepole has been ended.
- The precipitation in this area did not receive the expected rainfall amounts or intensities necessary to drive substantial water level changes.
- Precipitation in the form of snow was observed in the higher elevations of the foothills.
- Although water levels are still rising due to the precipitation, no significant water level changes are expected at this time.

Bow River Basin:

- The High Streamflow Advisory remains in effect for the Bow River upstream of Cochrane.
- Water level rises of 0.3 m were observed on the Bow River, bringing water levels back up to the threshold levels seen last week.
- Model runs suggest that the additional precipitation expected today (10-20 mm on June 10th) will not drive further peaks on the system, although the water level recession may be slowed.

Peace River Basin

Streamflow Advisories

Stream	High Streamflow Advisory	Flood Watch	Flood Warning	Water Level Status	Advisory Status
Smoky River upstream of Watino	✓			rising	Unchanged
Tributaries of the Smoky River upstream of Grande Prairie (Kakwa, Cutbank and Muskeg Rivers)	✓			peaking	Unchanged
Wapiti River and its tributaries	✓			rising	Unchanged

Athabasca River Basin

Streamflow Advisories

Stream	High Streamflow Advisory	Flood Watch	Flood Warning	Water Level Status	Advisory Status
Athabasca River and its tributaries upstream of Whitecourt	✓			rising	Unchanged
Berland River and its tributaries	✓			rising	Unchanged
Mcleod River and its tributaries	✓			rising	Unchanged
Pembina River and its tributaries	✓			rising	Unchanged

North Saskatchewan River Basin

Streamflow Advisories

Stream	High Streamflow Advisory	Flood Watch	Flood Warning	Water Level Status	Advisory Status
North Saskatchewan River and its tributaries upstream of Lodgepole				rising	Ended

Bow River Basin

Streamflow Advisories

Stream	High Streamflow Advisory	Flood Watch	Flood Warning	Water Level Status	Advisory Status
Bow River and its tributaries upstream of the Town of Cochrane	✓			peaking	Unchanged

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