

Athabasca – Athabasca River, Muskeg Creek and Tawatinaw River – Flood Hazard Study – Summary

Community	Town of Athabasca County of Athabasca No. 12
Stream	Athabasca River Tawatinaw River Muskeg Creek
Basin	Athabasca River – 7B

This study delineates flood hazard areas and determines design flood levels along the Athabasca River, Muskeg Creek and the Tawatinaw River through Athabasca. The study area includes an almost 6 km reach of the Athabasca River, an almost 1 km reach of Muskeg Creek and an approximate 3 km reach of the Tawatinaw River. The design discharge for the Athabasca River is 6200 m³/s. The design discharges for Muskeg Creek and the Tawatinaw River are 30.0 m³/s and 65.0 m³/s respectively.

The Athabasca River has its source in the Rocky Mountains. Although ice jams can occur, flooding in the study area generally occurs during the open water season. Open water flooding is the design case for this study and typically results from heavy rainfall events, either alone or combined with mountain snowmelt runoff. High flows are most likely to occur between May and the end of July.

A digital representation of the flood hazard maps prepared as part of this study can be viewed online.

- [Athabasca Flood Hazard Mapping](#)

For more information regarding specific flood hazards in your community, please contact Alberta Environment and Parks by email at ESRD.Flood@gov.ab.ca.

Flood Hazard Study Details

Study Status	Final
Report Name	Athabasca Hydraulic Study
Report Author	Environment Canada, West & Northern Region, Inland Waters Directorate, Engineering Division, Water Planning & Management Branch, Edmonton, Alberta
Report Date	March 1993

Flood information available after study completion may not be reflected in the current flood hazard study report or flood hazard mapping.

To obtain a PDF copy of the current report or mapping in PDF format, please contact Alberta Environment and Parks by email at ESRD.Flood@gov.ab.ca.

Instructions on how to obtain official GIS flood hazard mapping data, or more information on the Flood Hazard Identification Program and flood hazard studies in Alberta, are available online.

- floodhazard.alberta.ca

Provincial Designation Details

Designation Status	Designated
Designation Date	20 September 1994

Related Information

Adjacent Studies	None
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