

Bighorn (MD) and Exshaw – Bow River and Exshaw Creek – Flood Hazard Study – Summary

Community	Hamlet of Exshaw Hamlet of Lac des Arcs Municipal District of Bighorn No. 8 Kananaskis Improvement District
Stream	Bow River Exshaw Creek
Basin	Bow River – 5B

This study delineates flood hazard areas and determines design flood levels along the Bow River and Exshaw Creek through Municipal District of Bighorn, including Exshaw. The study area includes an approximate 15 km reach of the Bow River and an approximate 1 km reach of Exshaw Creek. The design discharge for the Bow River ranges from 728 m³/s at the upstream study extent to 762 m³/s at the downstream extent. The design discharge for Exshaw Creek is 14.3 m³/s.

The headwaters of the Bow River are located in the Rocky Mountains upstream of Lake Louise. Flooding within the study area is typically driven by intense summer storm events or as a result of heavy spring rainfall in combination with snowmelt runoff. High flows are most likely to occur in June and July.

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

- [Bighorn \(MD\) and Exshaw Flood Hazard Mapping](#)
- [Exshaw 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	Bow River - MD of Bighorn Flood Risk Mapping Study
Report Author	Acres International Ltd., Calgary, Alberta
Report Date	February 1996

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	22 January 1998

Related Information

Adjacent Studies	• Canmore – Bow River and Policeman Creek
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