

Canmore – Bow River and Policeman Creek – Flood Hazard Study – Summary

Community	Town of Canmore Municipal District of Bighorn No. 8 Kananaskis Improvement District
Stream	Bow River Policeman Creek
Basin	Bow River – 5B

This study delineates flood hazard areas and determines design flood levels along the Bow River and Policeman Creek through Canmore. The study area includes an approximate 20 km reach of the Bow River and an almost 6 km reach of Policeman Creek. The design discharge for the Bow River is 673 m³/s upstream of the Policeman Creek confluence and 698 m³/s downstream of the confluence. The design discharge for Policeman Creek ranges from 95.8 m³/s at the Bow River confluence to 37.2 m³/s farther upstream, in a non-overflow area.

The headwaters of the Bow River are in the Rocky Mountains upstream of Lake Louise. Dykes and associated landscaping, river training works and the Policeman Creek Diversion Structure were constructed between 1977 and 1982, following the 1974 flood. Additional improvements were completed in 1993 following the 1990 flood. Flooding within the study area typically occurs in the open water season, either as a result of heavy spring rainfall combined with mountain snowmelt runoff or from intense summer rainstorm events. 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.

- [Canmore 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	Canmore Flood Risk Mapping Study
Report Author	W-E-R AGRA Ltd., Calgary, 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	15 June 1994

Related Information

Adjacent Studies	<ul style="list-style-type: none"><li data-bbox="435 260 1170 289">• Bighorn (MD) and Exshaw – Bow River and Exshaw Creek<li data-bbox="435 294 784 323">• Canmore – Cougar Creek
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