

Sundre – Red Deer River and Bearberry Creek – Flood Hazard Study – Summary

Community	Town of Sundre Mountain View County
Stream	Red Deer River Bearberry Creek
Basin	Red Deer River – 5C

This study delineates flood hazard areas and determines design flood levels along the Red Deer River and Bearberry Creek through Sundre. The study area includes an approximate 9 km reach of the Red Deer River and an approximate 7 km reach of Bearberry Creek. The design discharge for the Red Deer River is 1080 m³/s. The design discharge for Bearberry Creek is 145 m³/s.

The Red Deer River has its source in the Rocky Mountains. Dykes and other flood control works have existed along the Red Deer River and Bearberry Creek within the study area since 1980. Bearberry Creek was realigned and channelized downstream of Highway 22 and a drop structure was built within this reach to address velocity concerns. Flooding in the study area generally occurs in summer as a result of heavy rainfall events, but peak flows can be magnified by mountain snowmelt. 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.

- [Sundre 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	Sundre Flood Risk Mapping Study
Report Author	Alberta Environmental Protection, Natural Resources Service, Water Management Division, River Engineering Branch, Edmonton, Alberta
Report Date	January 1997

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	8 April 2003

Related Information

Adjacent Studies	None
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