

Red Deer – Red Deer River – Flood Hazard Study – Summary

Community	City of Red Deer Red Deer County
Stream	Red Deer River
Basin	Red Deer River – 5C

This study delineates flood hazard areas and determines design flood levels along an approximate 18 km reach of the Red Deer River through Red Deer. The design discharge for the Red Deer River is 1470 m³/s.

The headwaters of the Red Deer River are located in the Rocky Mountains. Flows in the study area have been regulated by Dickson Dam since 1983 and the selected design discharge reflects regulation. Flooding in the study area has historically occurred during both the open water and ice-affected seasons. However, flooding caused by ice jam activity has not been considered a major concern since the construction of the Dickson Dam. Open water flooding is the design case for this study and is typically caused either by intense summer rainstorm events or by a combination of spring rainfall and 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.

- [Red Deer 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	Red Deer River at Red Deer Hydraulics Study
Report Author	W-E-R Engineering Ltd., Calgary, Alberta
Report Date	June 1991

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	11 October 1995

Related Information

Adjacent Studies	<ul style="list-style-type: none"> • Red Deer – Waskasoo Creek • Red Deer (County) and Markerville – Red Deer, Little Red Deer and Medicine Rivers
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