

Slave Lake – Sawridge Creek – Flood Hazard Study – Summary

Community	Town of Slave Lake Municipal District of Lesser Slave River No. 124 Sawridge Indian Reserve No. 150G
Stream	Sawridge Creek
Basin	Athabasca River – 7B

This study delineates flood hazard areas and determines design flood levels along an approximate 13 km reach of Sawridge Creek through Slave Lake as well as almost 5 km along the Sawridge Creek flood control channel. The study incorporates flow interactions between Lesser Slave Lake, the Lesser Slave River, Sawridge Creek and the flood control channel. The design discharge for Sawridge Creek is 170 m³/s upstream of the flood control channel and 83.0 m³/s downstream of the channel. The design discharge for the flood control channel itself is 87.0 m³/s.

Sawridge Creek originates in the Swan Hills. Flooding along Sawridge Creek has affected the community of Slave Lake since its 1935 relocation from near the mouth of the Lesser Slave River to higher ground along the banks of Sawridge Creek. Flood control channel construction and Sawridge Creek channel improvements were completed in 1971. Significant flooding in 1988, initiated by debris jams along Sawridge Creek, prompted modification of the flood control channel and implementation of debris control measures in 1992. Intense summer rainstorms in the Swan Hills normally cause high flows in Sawridge Creek.

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

- [Slave Lake 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	Slave Lake Flood Risk Mapping Study
Report Author	Alberta Environmental Protection, Water Resources Service, Technical Services & Monitoring Division, River Engineering 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	12 October 1993

Related Information

Adjacent Studies	None
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