

Nisku – Blackmud Creek – Flood Hazard Study – Summary

Community	Nisku Industrial Park Leduc County
Stream	Blackmud Creek
Basin	North Saskatchewan River – 5D

This study delineates flood hazard areas and determines design flood levels for Blackmud Creek through Nisku. The study area includes a 12 km reach of Blackmud Creek. The design discharge for Blackmud Creek ranges from 16 m³/s at the upstream end of the reach to 78 m³/s at the downstream end.

Blackmud Creek has its headwaters in the area east of Kavanagh. The upper catchment contains several large lakes, including Saunders Lake, Ord Lake and Telford Lake. Floods at Nisku typically occur in the open water season, and peak annual flows commonly occur in March and April due snowmelt. The largest floods typically occur as a result of rainfall on snowmelt.

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

- [Nisku 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	Nisku Flood Hazard Study - Blackmud Creek
Report Author	Northwest Hydraulic Consultants Ltd., Edmonton, Alberta
Report Date	March 2014

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	Pending
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Related Information

Adjacent Studies	None
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