

Calgary – Nose and West Nose Creeks – Flood Hazard Study – Summary

Community	City of Calgary Rocky View County
Stream	Nose Creek West Nose Creek
Basin	Bow River – 5B

This study delineates flood hazard areas and determines design flood levels along Nose and West Nose Creeks through Calgary and area. The study area includes an approximate 34 km reach of Nose Creek and an approximate 52 km reach of West Nose Creek. The design discharge for Nose Creek ranges from 52.1 m³/s at the upstream study extent to 93.9 m³/s at its confluence with the Bow River. The design discharge for West Nose Creek ranges from 28.6 m³/s at the upstream study extent to 33.4 m³/s at its confluence with Nose Creek.

The headwaters of Nose Creek are in the prairie and grasslands north of the study area. Nose Creek has been channelized at various locations along the study reach. Flooding in the study area usually occurs during the open water season as a result of major mid-summer storms, but high water levels can also be attributed to ice jam activity in the ice-affected season. Open water flooding is the design case in the study area.

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

- [Calgary 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	Nose Creek Flood Risk Mapping Study
Report Author	Golder Associates Ltd., Calgary, Alberta
Report Date	June 2005
Revision Date	July 2012

The original study was prepared in June 2005. Hydraulic model revisions were completed in July 2012 that resulted in updated design flood levels but no changes to the flood hazard mapping. An addendum has not yet been published. The original report, original mapping and updated design flood levels constitute the current revised study. The addendum will be incorporated into the revised study when published, and the study revision date will be updated accordingly.

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	<ul style="list-style-type: none">• Airdrie – Nose Creek• Calgary – Bow and Elbow Rivers
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