

Edmonton (Upper) – North Saskatchewan River – Flood Hazard Study – Summary

Community	City of Edmonton Parkland County
Stream	North Saskatchewan River
Basin	North Saskatchewan River – 5D

This study delineates flood hazard areas and determines design flood levels along the North Saskatchewan River through Edmonton. The study area includes about 27 km of river upstream of the High Level Bridge. The design discharge for the North Saskatchewan River is 5270 m³/s.

The North Saskatchewan River originates at the Saskatchewan Glacier of the Columbia Icefield, in the eastern slopes of the Rocky Mountains. Flows have been regulated by the Brazeau Dam since 1961 and by the Bighorn Dam since 1972. Flooding in the study area generally occurs during the open water season, as a result of major mid-summer storms or by a combination of mountain snowmelt runoff and heavy rainfall events in the foothills region of the watershed. 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.

- [Edmonton 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	North Saskatchewan River at Edmonton Flood Risk Mapping Study (Phase II - Upper Reach)
Report Author	I.D. Group (Alberta) Inc. and CartoLogix Corporation, Edmonton, Alberta
Report Date	May 1995

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
---------------------------	---------

Related Information

Adjacent Studies	<ul style="list-style-type: none"> • Devon and Fort Saskatchewan – North Saskatchewan River • Edmonton (Upper) – North Saskatchewan River
-------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------