

Irvine – Ross Creek – Flood Hazard Study – Summary

Community	Hamlet of Irvine Cypress County
Stream	Ross Creek
Basin	South Saskatchewan River – 5A

This study delineates flood hazard areas and determines design flood levels along almost 8 km of Ross Creek though Cypress County, including Irvine. The design discharge for Ross Creek is 114 m³/s.

The headwaters of Ross Creek are located in the Cypress Hills, and the basin includes the Gros Ventre Creek tributary watershed. Flows in the basin have a long history of local regulation, including diversion into Cavan Lake for irrigation use as well as considerable on-farm storage. Although the design discharge is based on a mixed data set, it is considered to adequately reflect a naturalized flood flow as the effects of regulation on flood flows is considered minor. Flooding within the study area typically occurs in the open water season, either as a result of heavy spring rainfall combined with snowmelt runoff between February and April, or from intense summer rainstorm events between May and October. High flows more commonly occur in spring.

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

- [Irvine 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	Cypress County Flood Hazard Identification Study – Ross Creek at the Hamlet of Irvine
Report Author	Northwest Hydraulic Consultants Ltd., Edmonton, Alberta
Report Date	March 2013

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	None
-------------------------	------