

Fort Macleod – Oldman River – Flood Hazard Study – Summary

Community	Town of Fort Macleod Municipal District of Willow Creek No. 26
Stream	Oldman River
Basin	South Saskatchewan River - 5A

This study delineates flood hazard areas and determines design flood levels along an approximate 13 km reach of the Oldman River upstream of the Willow Creek confluence and through Fort MacLeod. The study area also includes an almost 6 km reach of an abandoned river channel that conveys flood flow. The design discharge for the Oldman River is 1945 m³/s.

The Oldman River has its headwaters in the Livingstone Range of the Rocky Mountains. Flows have been regulated by the Lethbridge North Irrigation District (LNID) system since 1923 and by the Oldman Dam since 1991. The selected design discharge reflects regulation by the LNID system but not the Oldman Dam. Flooding in the study area can be caused by severe summer rainstorms, heavy spring snowmelt runoff or ice jam activity during breakup. Open water flooding is the design case for this study.

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

- [Fort Macleod 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	Oldman River at Fort Macleod Flood Risk Mapping Study
Report Author	Alberta Environment, Water Resources Management Service, Technical Services Division, River Engineering Branch, Edmonton, Alberta
Report Date	November 1991

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

Designation Status	Designated
Designation Date	14 January 1992