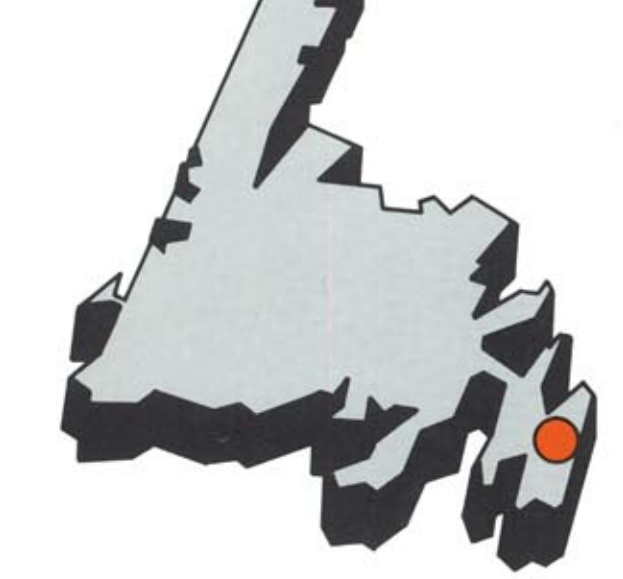


FLOOD INFORMATION MAP



WATERFORD RIVER BASIN

Environment Canada
Inland Waters Directorate
Newfoundland Department of Environment & Lands
Water Resources Division

FLOODING IN WATERFORD RIVER BASIN



This map is a Public Information Document and is to be used for general reference only. The information is based on the Flood Risk Maps for the Waterford River Basin.

Copies of this map and information on the Flood Damage Reduction Program may be obtained from:

Flood Damage Reduction Program
Department of Environment & Lands
Government of Newfoundland and Labrador
P.O. Box 4750
St. John's, Newfoundland
A1C 5T7

Flood Damage Reduction Program
Inland Waters and Lands
Environment Canada
4th Floor, Queen Square
45 Alderney Drive
Dartmouth, Nova Scotia
B2Y 2N6

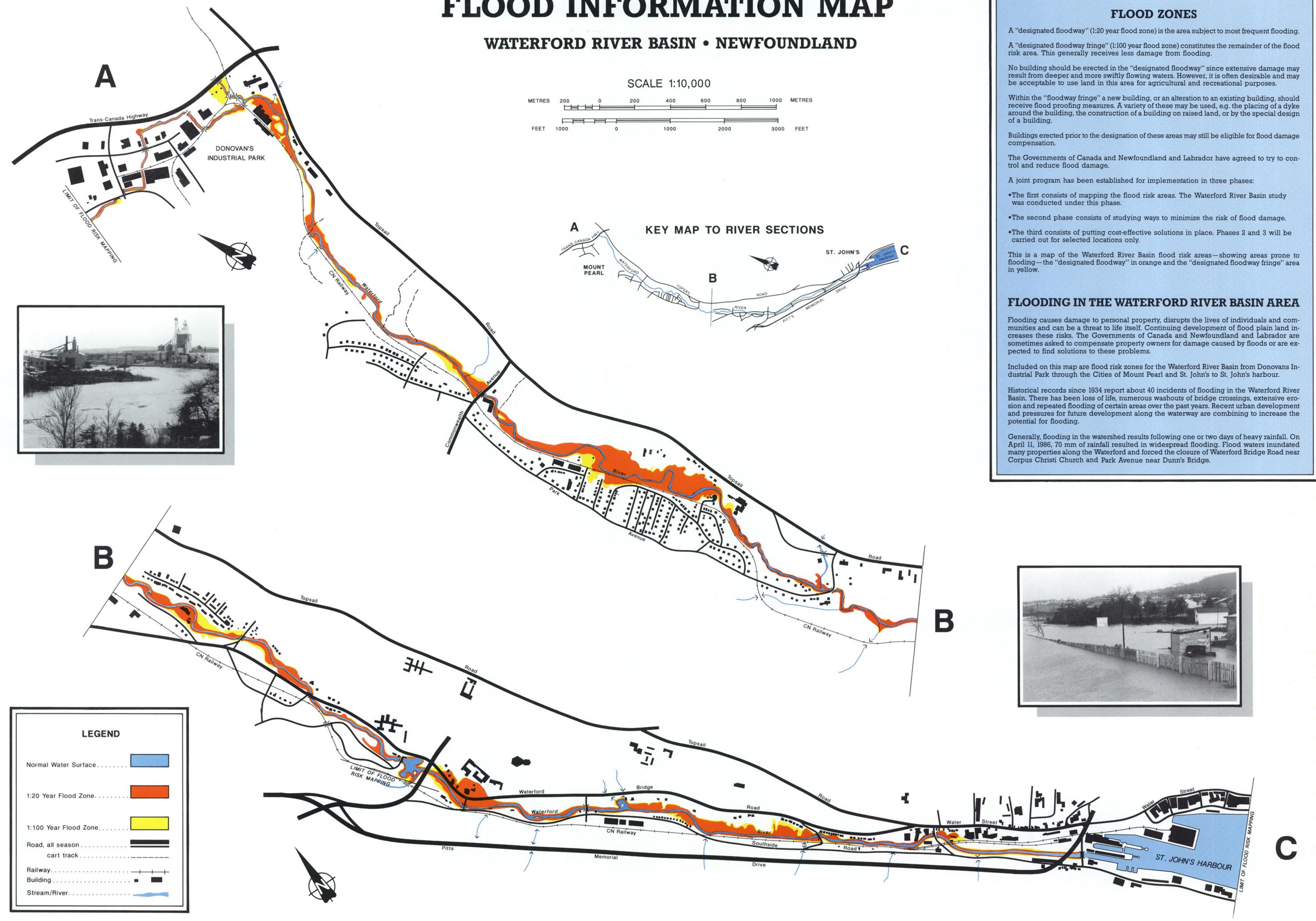
The designated Flood Risk Maps are suitable for use by elected officials, land use planners, developers, builders and newcomers seeking home or business locations. They may be viewed at the City Council Offices in St. John's and Mount Pearl, the Department of Environment and Lands Offices in Corner Brook, Grand Falls, and St. John's.

Copies of the Flood Risk Maps may be ordered for a nominal fee from:

Department of Environment and Lands
Mapping Division
Howley Building, Higgins Line
P.O. Box 4750
St. John's, Newfoundland
A1C 5T7

FLOOD INFORMATION MAP

WATERFORD RIVER BASIN • NEWFOUNDLAND



LEGEND

- Normal Water Surface [Blue line]
- 1:20 Year Flood Zone [Orange area]
- 1:100 Year Flood Zone [Yellow area]
- Road, all season [Solid black line]
- cart track [Dashed black line]
- Railway [Dotted black line]
- Building [Black rectangle]
- Stream/River [Blue line]

Environment Canada
Inland Waters Directorate

Newfoundland Department of Environment & Lands
Water Resources Division

FLOOD ZONES

A "designated floodway" (1:20 year flood zone) is the area subject to most frequent flooding. A "designated floodway fringe" (1:100 year flood zone) constitutes the remainder of the flood risk area. This generally receives less damage from flooding.

No building should be erected in the "designated floodway" since extensive damage may result from deeper and more swiftly flowing waters. However, it is often desirable and may be acceptable to use land in this area for agricultural and recreational purposes.

Within the "floodway fringe" a new building, or an alteration to an existing building, should receive flood proofing measures. A variety of these may be used, e.g. the placing of a dyke around the building, the construction of a building on raised land, or by the special design of a building.

Buildings erected prior to the designation of these areas may still be eligible for flood damage compensation.

The Governments of Canada and Newfoundland and Labrador have agreed to try to control and reduce flood damage.

A joint program has been established for implementation in three phases:

- The first consists of mapping the flood risk areas. The Waterford River Basin study was conducted under this phase.
- The second phase consists of studying ways to minimize the risk of flood damage.
- The third consists of putting cost-effective solutions in place. Phases 2 and 3 will be carried out for selected locations only.

This is a map of the Waterford River Basin flood risk areas—showing areas prone to flooding—the "designated floodway" in orange and the "designated floodway fringe" area in yellow.

FLOODING IN THE WATERFORD RIVER BASIN AREA

Flooding causes damage to personal property, disrupts the lives of individuals and communities and can be a threat to life itself. Continuing development of flood plain land increases these risks. The Governments of Canada and Newfoundland and Labrador are sometimes asked to compensate property owners for damage caused by floods or are expected to find solutions to these problems.

Included on this map are flood risk zones for the Waterford River Basin from Donovans Industrial Park through the Cities of Mount Pearl and St. John's to St. John's harbour.

Historical records since 1934 report about 40 incidents of flooding in the Waterford River Basin. There has been loss of life, numerous washouts of bridge crossings, extensive erosion and repeated flooding of certain areas over the past years. Recent urban development and pressures for future development along the waterway are combining to increase the potential for flooding.

Generally, flooding in the watershed results following one or two days of heavy rainfall. On April 11, 1986, 70 mm of rainfall resulted in widespread flooding. Flood waters inundated many properties along the Waterford and forced the closure of Waterford Bridge Road near Corpus Christi Church and Park Avenue near Dunn's Bridge.

