



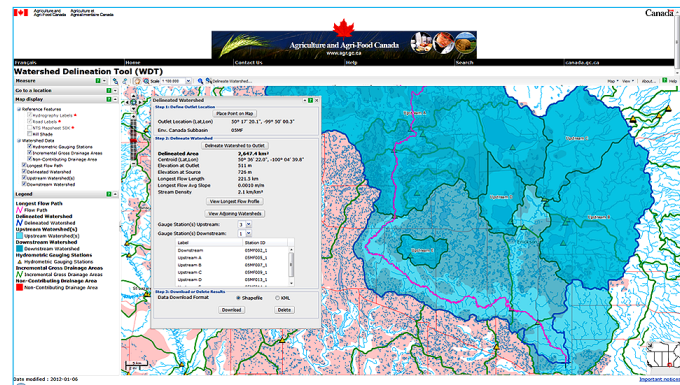
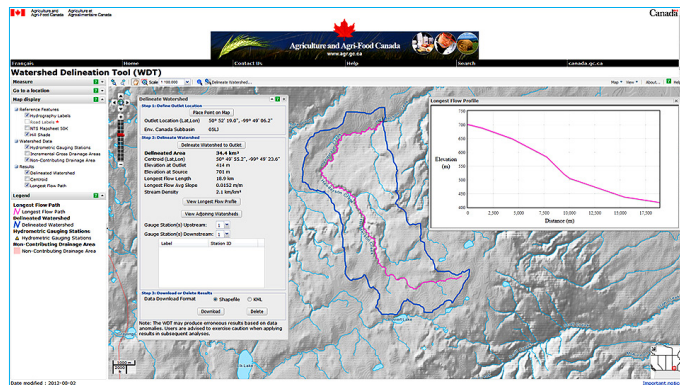
# Watershed Delineation Tool (WDT)

[www.agr.gc.ca/watersheddelineation](http://www.agr.gc.ca/watersheddelineation)

## A Foundation for Water Resource Management

The Watershed Delineation Tool (WDT) empowers users to make better decisions regarding the management, supply, and use of surface water.

Developed by Agriculture and Agri-Food Canada, this custom web-mapping application quickly and easily automates watershed delineation which is an essential first step for hydrological analyses.



Key features of the WDT include:

- An easy to use and intuitive interface.
- The ability to navigate to an area using interactive zoom and pan tools, searching by place names, or searching by land location.
- The ability to delineate a watershed boundary to a user specified location anywhere within the Canadian prairies.
- The ability to produce maps and hydrology reports containing standard watershed information such as:
  - o Delineated watershed boundary and area.
  - o Contributing and non-contributing areas.
  - o Longest flow path, stream length and slope (profile).
  - o Location of Water Survey of Canada gauging stations.
- The ability to download watershed boundaries to standard geographic formats (i.e. KML or shapefile).

# Data Source Acknowledgement

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AESB Watershed Project Version 9

- Hydrometric Gauging Stations
- Incremental Gross Drainage Areas
- Non-Contributing Drainage Area

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Atlas of Canada 1:1,000,000 National Frameworks Data

- Administrative Boundaries
- Roads
- Rivers
- Lakes
- Islands
- Populated Places

North American Atlas

- Administrative Boundaries
- Roads
- Rivers
- Lakes
- Islands
- Populated Places

National Hydro Network

- Waterbodies
- Watercourses
- Hydrography Toponymy

National Road Network

- Road Segments
- Road Toponymy

The Canadian Geographical Names Data Base (CGNDB)

Canadian Digital Elevation Data (CDED)

## U.S. Census Bureau

2010 TIGER/Line® Shapefiles - State and Equivalent

## U.S. Geological Survey (USGS)

- National Elevation Dataset - 1/3 arc-second digital elevation model
- USGS TNM - National Transportation Dataset, U.S. Census Bureau - TIGER/Line®

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