

Metadata

Average annual runoff in Canada, 1971 to 2013

Description

This product provides runoff data with each contour line corresponding to an average amount of annual runoff (in millimeters). Runoff data were derived from discharge values from hydrometric stations with natural flows. Not all years are included for every region of the country due to data quality and availability issues. Data cover the period 1971 to 2013 for the south and 1971 to 2004 for the north.

These files were produced by Statistics Canada, Environment, Energy and Transportation Statistics Division, 2017, based on data from Environment and Climate Change Canada, 2015, *Water Survey of Canada, Archived Hydrometric Data (HYDAT)*, www.ec.gc.ca/rhc-wsc/default.asp?lang=En&n=4EED50F1-1 (accessed December 3, 2015); Spence, C. and A. Burke, 2008, "Estimates of Canadian Arctic Archipelago runoff from observed hydrometric data," *Journal of Hydrology*, Vol. 362, pp. 247–259. For more information about methods, results and limitations see Appendix D in Statistics Canada, 2017, "Freshwater in Canada," *Human Activity and the Environment*, Catalogue no. 16-201-X.

The purpose of the dataset is to present runoff values as derived from Statistics Canada's Water Yield Model on a national scale map of 1:32,000,000.

This product is intended to be used for reference or mapping purposes. The product ends at the shoreline of Canada as defined by the drainage region boundaries supplied for Map 1.1 Drainage regions of Canada. It does not include the Arctic Islands.

Users are responsible for verifying that the product is appropriate for their intended application.

These files will also be accessible as web services on the Government of Canada web site [Open Maps](#).

Time Period From: 1971 - To: 2013

Spatial Reference System

Type Latitude-Longitude

Geographic Coordinate Reference

GCS_North_American_1983_CSRS
WKID: 4617 Authority: EPSG

Coordinate Reference Details

Angular Unit: Degree (0.0174532925199433)
Prime Meridian: Greenwich (0.0)
Datum: D_North_American_1983_CSRS
Spheroid: GRS_1980
Semimajor Axis: 6378137.0
Semiminor Axis: 6356752.314140356
Inverse Flattening: 298.257222101

Data Classification

Topic category Environment

Metadata and Data Contact

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Field description

Field	Description
Runoff_mm	Runoff in millimetres

Additional Information

Dataset Identification	
Date	11/2015 (Creation)
Date	03/2017 (Publication)
Metadata language	English (Other language: French)
Character set	UTF8
Status	Completed
Maintenance and Update Frequency	As needed
Spatial representation type	Vector
Use Limitation	Open Government Licence - Canada (http://open.canada.ca/en/open-government-licence-canada)
Access Constraints	License
Use Constraints	License

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