

NWT Open Report 2015-021

Appendix A: Metadata

Data title:

Inventory of Active Retrogressive Thaw Slumps on eastern Banks Island, Northwest Territories

Authors:

Rebecca Segal, Trevor Lantz, and Steve Kokelj

Last update:

Date: Updated April 2016. Mapping completed in 2014. (Note: Mapped on imagery from 2004-2010).

By: Rebecca Segal

Extent of data:

West: -122.868453°

East: -119.205091°

North: 72.498754°

South: 71.268595°

Description:

Polygon file delimiting the extent of thaw slumps in the study area (approximately 60 km by 96 km) on eastern Banks Island, NWT.

Source Data Information:

Mapped on 2004 Quickbird imagery (0.6 m resolution) and 2006, 2009, or 2010 SPOT 5 and SPOT 4 imagery (10 m resolution)

Shapefiles:

Spatial Reference Information:

Canada_Lambert_Conformal_Conic

WKID: 102002 Authority: ESRI

Projection: Lambert_Conformal_Conic

False_Easting: 0.0

False_Northing: 0.0

Central_Meridian: -96.0

Standard_Parallel_1: 50.0

Standard_Parallel_2: 70.0

Latitude_Of_Origin: 40.0

Linear Unit: Meter (1.0)

Geographic Coordinate System: GCS_North_American_1983

Angular Unit: Degree (0.0174532925199433)

Prime Meridian: Greenwich (0.0)
Datum: D_North_American_1983
Spheroid: GRS_1980
Semimajor Axis: 6378137.0
Semiminor Axis: 6356752.314140356
Inverse Flattening: 298.257222101

Banks Island Slumps:

- Banks_Island_Slumps_V2.shp
- Banks_Island_Slumps_V2.dbf
- Banks_Island_Slumps_V2.prj
- Banks_Island_Slumps_V2.sbn
- Banks_Island_Slumps_V2.shx

-Attribute Fields:

- *Shape* - Polygons
- *Area_SqM* - Area of each retrogressive thaw slumps in square metres
- *Id* - Numbers indicate corresponding slump outlines in the 60s
- *Reference* - Author names and Open Report number

Banks_Island_Study_Area.shp

- Banks_Island_Study_Area.shp
- Banks_Island_Study_Area.dbf
- Banks_Island_Study_Area.prj
- Banks_Island_Study_Area.sbn
- Banks_Island_Study_Area.shx

Google Earth Files:

Spatial Reference Information:

GCS_WGS_1984
WKID: 4326 Authority: EPSG
Angular Unit: Degree (0.0174532925199433)
Prime Meridian: Greenwich (0.0)
Datum: D_WGS_1984
Spheroid: WGS_1984
Semimajor Axis: 6378137.0
Semiminor Axis: 6356752.314245179
Inverse Flattening: 298.257223563

Banks Island Slumps Version 2:

- Banks_Island_Slumps_V2.kmz

Banks Island Study Area:

- Banks_Island_Study_Area.kmz
(total land area of the study region including waterbodies)

Keywords:

Retrogressive Thaw Slump, Peel Plateau, Permafrost Disturbance

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Northwest Territories Geological Survey
Department of Industry, Tourism and Investment
Government of Northwest Territories
P.O. Box 1320, 4601-B 52nd Avenue
Yellowknife, Northwest Territories
Canada
X1A 2L9
867-767-9211
www.nwtgeoscience.ca

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