

Managing Environmental Monitoring and Landscape Change Information in the NWT Case Studies using Web Applications

Sharyn Alexander
Caslys Consulting Ltd.

May 8, 2019

www.caslys.ca

Outline

- Company Overview
- Disturbance mapping in the NWT
- Web applications
 - Inventory of Landscape Change (ILC) Map Viewer
 - GNWT Discovery Portal

Caslys Consulting

- Based near Victoria, B.C.
- Services
 - GIS and cartography
 - Remote sensing
 - Information management
 - Web maps and custom applications
- Focus on environmental and resource management, change detection, land cover mapping, and wildlife monitoring.

Disturbance Mapping in the NWT

- Assisting land management decisions and caribou range management responsibilities
 - Cumulative effects management and modelling
 - Change detection and determination of trends
 - Wildlife, habitat, and forest management
 - Benefits Indigenous governments and other stakeholders
- Anthropogenic / Human Disturbance
 - Roads, mining, utilities
- Natural Disturbance
 - Fire, pests

Disturbance Mapping in the NWT

- Human disturbance dataset that captured development footprints on the landscape
 - Existing GIS data – baseline mapping
 - Imagery – SPOT, Landsat, Sentinel-2
- Linked disturbances on the landscape with permitted development
 - Public online registries from land/water boards
- Captured attributes
 - Type of development, temporal duration, access to site, number of people
 - Assess level of activity to determine impact on environment

Disturbance Mapping in the NWT



Home > Public Registry > MV2017C0003

92 RESOURCES CORP. - MV2017C0003

Enter your email address for updates

Subscribe Unsubscribe



Status: Issued
Authorization: Land Use Permit
Activity: Mining Exploration (C)
Start: March 2, 2017
Expiry: March 1, 2022
Staff: Shannon Allerston



Mackenzie Valley Land and Water Board
7th Floor - 4922 48th Street
P.O. Box 2130
YELLOWKNIFE NT X1A 2P6
Phone (867) 669-0506
FAX (867) 873-6610

March 3, 2017

File: MV2017C0003

Mr. Adrian Lamoureux
92 Resources Corp.
1400-111 West Georgia St.
VANCOUVER BC V6E 4M3

Email: William@dahrouge.com

Dear Mr. Lamoureux:

Issuance of Type A Land Use Permit Mineral Exploration - Hidden Lake Area

Attached is Type A Land Use Permit MV2017C0003 granted by the Mackenzie Valley Land and Water Board (MVLWB or the Board) in accordance with the *Mackenzie Valley Resource Management Act* (MVRMA). This Permit has been approved for a period of five years

1. Permit - Licence - Other Issuances

All Issuances

Document	Received/Sent	Uploaded
MV2017C0003- 92 Resources Corp - Issuance Letter with Permit-Conditions and RFD - Type A LUP - Mar3-17.pdf (1.18 MB)	March 3, 2017	March 8, 2017

Preliminary Screening

Document	Received/Sent	Uploaded
MV2017C0003- 92 Resources Corp - Type A Land Use Permit - Preliminary Screening - Mar3-17.pdf (467.66 KB)	March 3, 2017	March 9, 2017

Security and Water Use Fees

Document	Received/Sent	Uploaded
MV2017C0003 - 92 Resources corp - Receipt of Security Deposit - GNWT Lands - May15-18.pdf (133.53 KB)	May 15, 2018	May 17, 2018

2. Initial/Renewal Application

Application and Related Docs

Document	Received/Sent	Uploaded
MV2017C0003 - 92 Resources Corp - Receipt for New LUP Application - Mar17-17.pdf (231.5 KB)	March 17, 2017	March 20, 2017
MV2017C0003- 92 Resources Corp - Type A LUP - Staff Report and Comments - Mar3-17.pdf (1.6 MB)	March 3, 2017	March 9, 2017

Conditions Annexed to and Forming Part of Land Use Permit # MV2017C0003

Part A: Scope of Permit

1. This Permit entitles the Permittee to conduct the following land-use operation:

- a) Mineral exploration activities, including drilling;
- b) Construction, operation and decommissioning of a camp;
- c) Construction, maintenance and reclamation of winter access roads;
- d) Use and storage of vehicles and equipment;
- e) Storage of fuel;

2. This Permit is issued subject to the conditions contained herein with respect to the use of land for the activities and area identified in Part A, Item 1 of this Permit.

3. Compliance with the terms and conditions of this Permit does not excuse the Permittee from its obligation to comply with the requirements of any applicable Federal, Territorial, Tłıchǫ, or Municipal laws.

Part B: Definitions (defined terms are capitalized throughout the Permit)

Act - the *Mackenzie Valley Resource Management Act*.

Archaeological Overview - as defined by the Prince of Wales Northern Heritage Centre – Guidelines for Developers.

Disturbance Mapping in the NWT



LAND USE PERMIT

Permit Class	Permit No	Amendment No
A	MV2001J0058	

Subject to the Mackenzie Valley Land Use Regulations and the Terms and Conditions in this Permit, authority is hereby granted to:

Rabesca's Resources Ltd.

Permittee

To proceed with the land use operation described in application of:

Signature Moise Rabesca	Date July 7, 2001
Type of Land use Operation Hunting Camp	
Location Little Forehead Lake. 113°13'00" - 113°13'50" N, 64°48'00"-64°48'50" W	

Business and mailing address: A's RESOURCES LTD.	Fax number: 867-371-3155
	Telephone number: 867-371-3144
Address: P.O. Box 309 RAE, NT, X0E0Y0	Fax number: SAME AS ABOVE
	Telephone number: SAME AS ABOVE

(subcontractor, contractors, company staff etc.)

(Number of persons on site) 16-18

18 of the Mackenzie Valley Land Use Regulations)

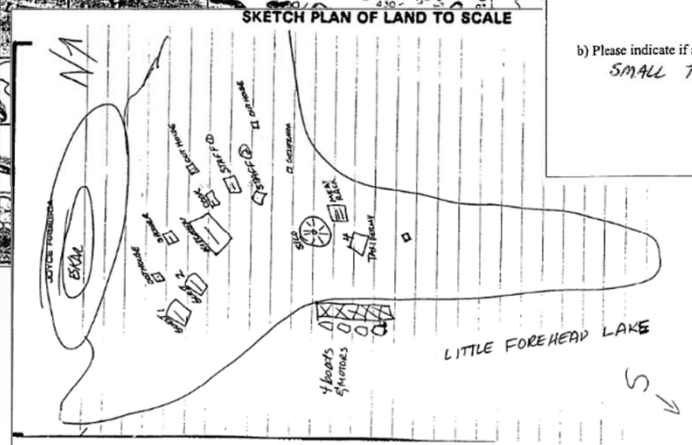
a)(ii) a)(iii) b)(i) b)(ii)

operation (Describe purpose, nature and location of all activities.)

HUNTING LODGE - **AUGUST & SEPTEMBER** - CARIBOU
MIGRATION, HUNTS FOR NON RESIDENTS

b) Please indicate if a camp is to be set up. (Please provide details on a separate page, if necessary.)

SMALL TENT FRAME CABIN LODGE FOR **UP TO 12 PERSONS**



Inventory of Landscape Change (ILC) Map Viewer

- NWT Centre for Geomatics and Cumulative Impact Monitoring Program (CIMP)
- Provides up-to-date inventory of disturbance and change on the landscape
- Human and natural disturbance information available to a wide variety of users (publically available)
- Displays disturbance mapping products from a variety of sources
 - NWTCG Spatial Data Warehouse
 - Human disturbance dataset

Inventory of Landscape Change (ILC) Map Viewer

- Built using ArcGIS Server / Geocortex framework using the HTML5 viewer platform
- Familiar, user friendly tools and functionality
- Query tools to filter by date range to view development chronologically
 - Highlights link between environmental changes and human development

https://www.maps.geomatics.gov.nt.ca/Html5Viewer_PROD/Index.html?viewer=CIMP_ILC_Webmap.ILC_Viewer

Inventory of Landscape Change (ILC) Map Viewer

Inventory of Landscape Change MAP VIEWER

Search...

Navigation Tools Map Mark-up Search Data

Home Printing Navigation Help Feedback

Home

Inventory of Landscape Change Map Viewer

An up-to-date inventory of disturbances and other changes on the landscape provides the foundation for monitoring and assessing cumulative effects and is a critical piece to the success of regulatory environmental assessment, wildlife and habitat management, forest management planning, and cumulative effects management and modelling. This information will also benefit aboriginal governments and other stakeholders by providing a picture of current and historic development that has occurred in the NWT.

Use the **Inventory of Landscape Change Map Viewer** to explore spatial data related to human and natural disturbance in the Northwest Territories. To help navigate this website, begin by reviewing the many tools found under the **Navigation** and **Tools** menu tabs. Once you find what you're looking for, you can print a map or export data in tabular or shapefile format.

Click the **Toolbar** icon (on the right side) to hide or show the menu toolbar just above the map window. This can help maximize the map view when needed.

Click the map layers icon to the left of the map window (near the bottom) and you can toggle on/off many of the individual map layers components. Expand out grouped layers as required. Toggle **Show Legend** or **Show Layer List** as required.

Need more help? Hover your pointer over tools to

Home Layers

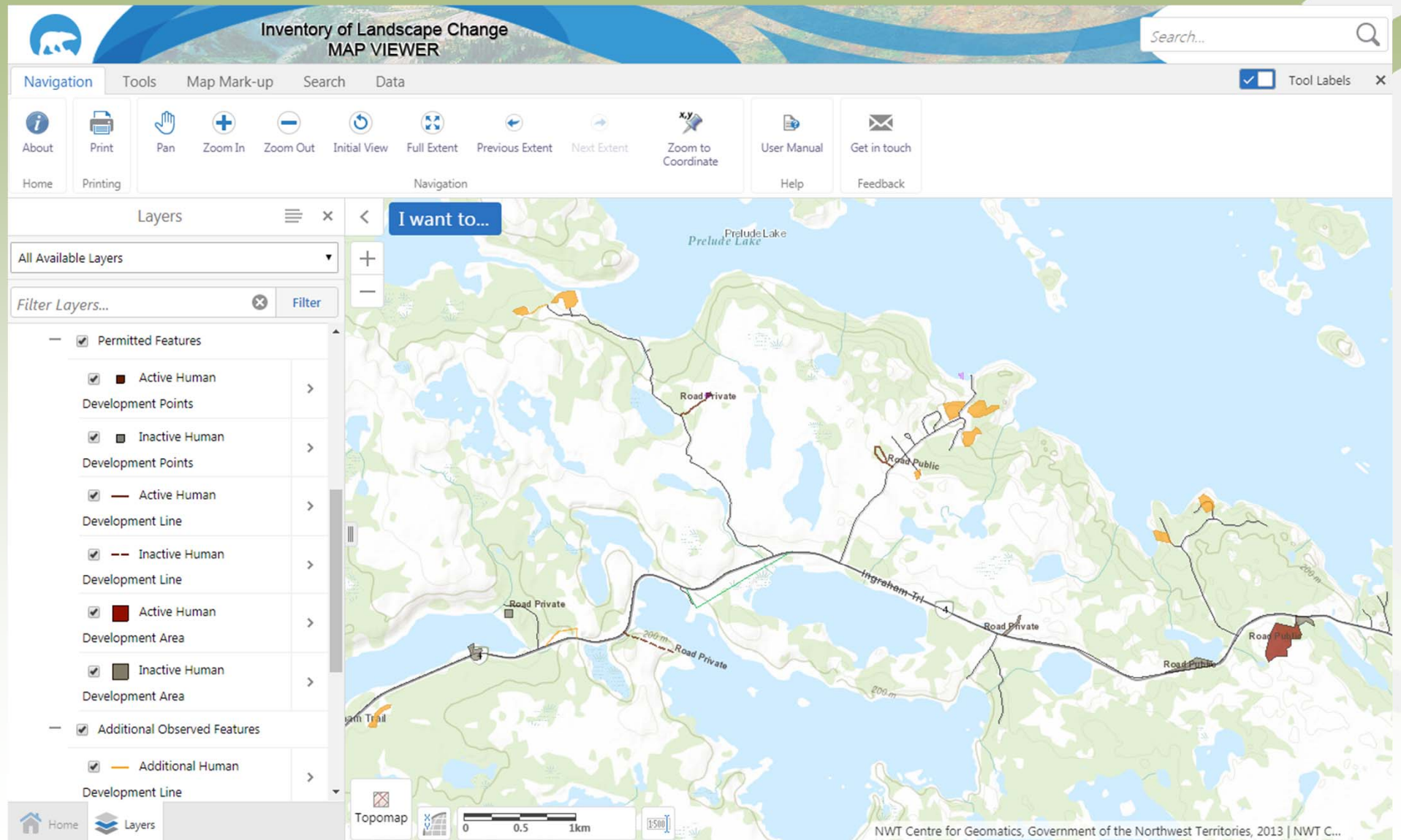
Topomap

0 50 100km

1500

NWT Centre for Geomatics, Government of the Northwest Territories, 2013 | NWT C...

Inventory of Landscape Change (ILC) Map Viewer



Inventory of Landscape Change (ILC) Map Viewer

The screenshot displays the 'Inventory of Landscape Change (ILC) MAP VIEWER' web application. The interface includes a top navigation bar with a search bar containing the text 'ekati'. Below this is a menu bar with tabs for 'Navigation', 'Tools', 'Map Mark-up', 'Search', and 'Data'. A secondary toolbar contains icons for 'About', 'Print', 'Pan', 'Zoom In', 'Zoom Out', 'Initial View', 'Full Extent', 'Previous Extent', 'Next Extent', 'Zoom to Coordinate', 'User Manual', and 'Get in touch'. The main map area shows a geographical view with numerous small black square markers representing data points. A search results panel on the left lists 13 results for 'ekati', including categories like 'Inactive Human Development Area' and 'Active Human Development Area'. A pop-up window over the map displays details for 'Active Water License: W2015L2-0001', with options to 'View Additional Details' and 'Add to Results'. The bottom of the interface features a 'Home' button, 'Layers' and 'Search Results' icons, a 'Topomap' logo, a scale bar (0 to 10km), and a north arrow. The footer text reads: 'NWT Centre for Geomatics, Government of the Northwest Territories, 2013 | N...'.

Inventory of Landscape Change
MAP VIEWER

ekati

Navigation Tools Map Mark-up Search Data

Home Printing About Print Pan Zoom In Zoom Out Initial View Full Extent Previous Extent Next Extent Zoom to Coordinate User Manual Get in touch Help Feedback

Search Results: ekati (13)

13 Results Found

- (5) Inactive Human Development Area
- (2) Additional Human Development Area
- (2) Active Human Development Area
- (2) Active Human Development Line
- (2) Inactive Human Development Line

I want to...

Active Water License: W2015L2-0001

[View Additional Details](#) [Add to Results](#)

Topomap 0 5 10km 1:500

NWT Centre for Geomatics, Government of the Northwest Territories, 2013 | N...

Inventory of Landscape Change (ILC) Map Viewer

**Inventory of Landscape Change
MAP VIEWER**

ekati

Navigation Tools Map Mark-up Search Data

Home Printing Navigation Help Feedback

I want to...

Details

OBJECTID
478

Reference
W2008D0007

Company
Dominion Diamond Ekati Corporation

LocationGeneral
Lac de Gras

ProjectDescription
Ekati Diamond Mine - Sable Pit - Replaces
LUP MV2001X0071

Status
Active - Permit / License Issued

Expiry
Sep 9, 2016 5:00 PM

ProjectName
Ekati

CoordinateCertainty
2

FootprintArea_Ha
130.3637

Source

Home Layers Inactive Hu...

Imagery

0 1 2km

NWT Centre for Geomatics, Government of the Northwest Territories, 2013 | N...

Inventory of Landscape Change (ILC) Map Viewer

The screenshot displays the Inventory of Landscape Change (ILC) Map Viewer interface. The top navigation bar includes tabs for Navigation, Tools, Map Mark-up, Search, and Data. A search bar on the right contains the text "yellowknife". Below the navigation bar, a toolbar offers various functions: Single Date Query, Multi-Date Query (with a Date Filtering sub-option), Clear All Date Filters, Filter, Query, User Manual, Advanced Search, and Help. A "Multi-Date Query" dialog box is open on the left, featuring a "Date Range" section with "Start Date *" set to "May 7, 2010 1:00 AM" and "End Date *" set to "May 7, 2015 1:00 AM". The "Seasonal Filter" section includes a checkbox for "Apply Additional Seasonal Criteria", "Season Start" set to "January", and "End Season" set to "December". "Apply" and "Cancel" buttons are at the bottom of the dialog. The main map area shows a satellite view of a landscape with several brown polygonal overlays labeled "Mining & Exploration". A blue label "I want to..." is positioned above the map. The bottom of the interface features a footer with "Home", "Layers", and "Multi-Date ..." buttons, a scale bar (0 to 1km), a north arrow, and a copyright notice: "NWT Centre for Geomatics, Government of the Northwest Territories, 2013 | N...".

NWT Discovery Portal

- One stop shop to search and share environmental monitoring and research information
- Launched in 2010, now contains > 4000 records
- Contains information from projects using both scientific and traditional knowledge
- Open to the public

NWT Discovery Portal

- Based on Geoportal Server
- Metadata database and geographic location of all content, allowing users to search by theme/keyword or location of interest
- Repository for all documents, data files, supporting info
- Enables automated harvesting of records

<http://nwtdiscoveryportal.enr.gov.nt.ca/geoportal/catalog/main/home.page>

NWT Discovery Portal



NWT Discovery Portal

A Source for Environmental Knowledge

[Login](#) [Register](#) [Help](#) [Feedback](#)

[Home](#) [About](#) [Search](#) [Browse](#) [Links](#)

The **NWT Discovery Portal** is the most comprehensive online source for environmental monitoring knowledge in the Northwest Territories. It is administered by the NWT Cumulative Impact Monitoring Program. The Portal is a search tool that allows users to access data, metadata and reports. It is also a share tool that allows users to contribute by uploading research and monitoring information. [\[Learn More...\]](#)

Start
Collaborating
Not Registered Yet?



Narrow Your Search

[NWT Cumulative Impact Monitoring Program](#)

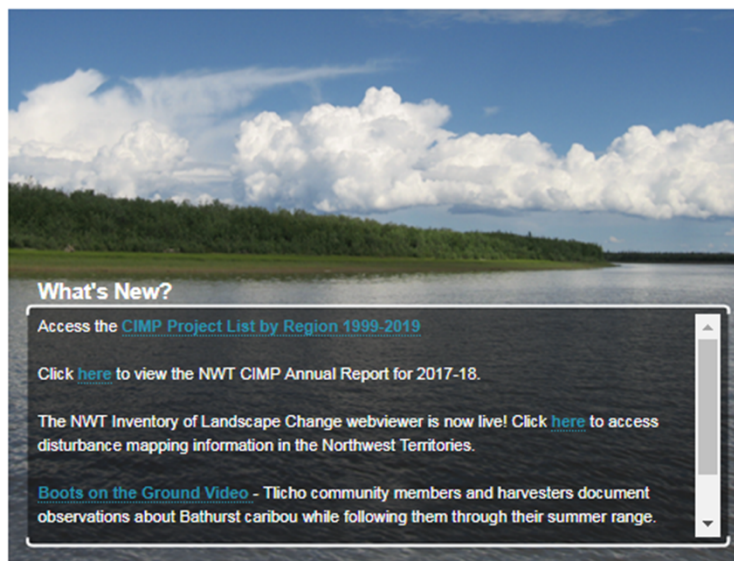
[Canadian Cryospheric Information Network](#)

[Inventory of Landscape Change](#)

Looking for Maps?

[Inventory of Landscape Change Webviewer](#)

[Spatial Data Warehouse](#)



What's New?

Access the [CIMP Project List by Region 1999-2019](#)


Click [here](#) to view the NWT CIMP Annual Report for 2017-18.

The NWT Inventory of Landscape Change webviewer is now live! Click [here](#) to access disturbance mapping information in the Northwest Territories.

[Boots on the Ground Video](#) - Tlicho community members and harvesters document observations about Bathurst caribou while following them through their summer range.



NWT Discovery Portal



NWT Discovery Portal

A Source for Environmental Knowledge

[Login](#) [Register](#) [Help](#) [Feedback](#)

[Home](#) [About](#) [Search](#) [Browse](#) [Links](#)

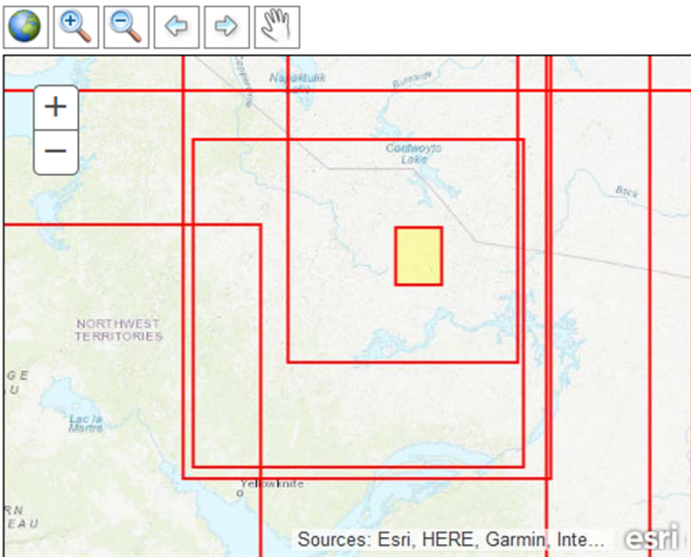
☐ Simple Search ☒ Advanced Search

You can use all search capabilities described in the Help Search Guide.

Examples:
title:caribou (i.e., search only the title field)
caribou OR lichen (i.e., use Boolean operators)
*mine** (i.e., use wildcards)

FILTER RESULTS BY LOCATION

☐ Anywhere ☒ Intersecting ☐ Fully within




Map showing search results for 'ekati*' in the Northwest Territories. The map displays the territory's outline with a grid of red bounding boxes. A yellow box highlights a specific region. The map includes labels for 'NORTHWEST TERRITORIES', 'Lac la Martre', 'Yellowknife', and 'Sources: Esri, HERE, Garmin, Int...'. Navigation controls (zoom in, zoom out, pan) are visible on the left.

Select a specific region or community:

HELP SEARCH GUIDE


Results 1-10 of 17 record(s) [1](#) [2](#) [>](#) [Last](#)


☐ Expand Results [Zoom To Results](#) [Zoom To Searched Area](#)


[Wildlife Camera Monitoring at Ekati Diamond Mine - Presentation 2015 - CIMP141](#)


On behalf of Harry O'Keefe of Dominion Diamond Ekati Corporation, Greg Sharam of ERM Rescan, presented on wildlife monitoring using remote cameras at the Ekati Diamond Mine at the Slave Geological Province Wildlife Monitoring Workshop in 2015. The project...


[Open](#) [Preview](#) [Details](#) [Metadata](#) [Zoom To](#)


[Presentation - 2015-16 - Caribou relevant environmental changes around the Ekati Diamond Mine measured in 2015 - CIMP141](#)


[Lac de Gras Grizzly Bear DNA Study - Presentation 2015 - CIMP52,](#)


[How far can mining disturbances reach inside the Bathurst caribou range? - Wek'èezhii \(Tlicho\) Regional Workshop Presentation 2017 - CIMP141](#)


[Analysis of Environmental Effects from the Diavik Diamond Mine in the Lac de Gras Region - Presentation 2015](#)

[2016-17 - REPORTING - CCRS \(Chen\) CIMP141 - Metadata](#)

[Independent Environmental Monitoring Agency: A Public Watchdog for Environmental Monitoring of Ekati Diamond Mine 2011](#)

[Guidance on monitoring caribou zone of influence \(ZOI\), ZOI Technical Task Group Update - Presentation 2015 - CIMP141](#)

[Capacity building for the Kwe Beh Working group 2011-12 Presentation - CIMP131](#)

[Estimating the zone of influence of mine areas and industrial](#)

NWT Discovery Portal

Wildlife Camera Monitoring at Ekati Diamond Mine - Presentation 2015 - CIMP141

Metadata

File Identifier: {67F40242-F923-46DB-A777-DA0E3CF46196}

Metadata Language: en

Responsible Party:

Organisation Name: GNWT-ENR

Role: Point Of Contact

Contact Info:

E-Mail Address: Andrea.Patenaude@gov.nt.ca

Metadata Date: 2015-05-29

Metadata Standard Name: ISO 19139/19115 Metadata for

Metadata Standard Version: 2003

Data Identification

Abstract: On behalf of Harry O'Keefe of Dominion Diamond E using remote cameras at the Ekati Diamond Mine at the Slave aimed at determining the effect of project roads on caribou the Misery Road and the Sable and Pigeon access roads at as well as triggered photos. Overall they found that caribou end of the main camp. No differences in frequencies of beha Misery Road). Overall deflections were captured infrequently in 2014 to add objectives related to use of caribou ramps, r

Language: en

Citation:

Contact Info:

Title: Wildlife Camera Monitoring at Ekati Diamond Mine -

Date:

Date: 2015-03-09

Date Type: Publication Date

URL: http://sdw.enr.gov.nt.ca/nwtdp_upload/SGP_Wildlife_W

Embed: <http://nwtdiscoveryportal.enr.gov.nt.ca/ge>

Wildlife Camera Monitoring Slave Geological Province Wildlife Workshop



Department: Environment Operations
Developed by: Harry O'Keefe, Advisor - Wildlife
Last revised: December 3, 2014

Title

1

NWT Discovery Portal



NWT Discovery Portal

A Source for Environmental Knowledge

[Login](#) [Register](#) [Help](#) [Feedback](#)

[Home](#) [About](#) [Search](#) [Browse](#) [Links](#)

Browse resources in a tree view based on pre-classified search criteria. You can further filter the results.

Catalog

Recent

Subject Area Keywords

Air Quality

Biodiversity

Birds

Climate and Climate Change

Fish Habitat / Population / Harvest

Fish Quality

Human Health and Community We

Land Mammals

Marine Life

Snow / Ground Ice / Permafrost

Vegetation

Water Quality

Water and Sediment Quality

Data Type Keywords

Article

Data

Geospatial Data (Raster)

Geospatial Data (Vector)

Graphic or Image

Map

Text:

Filter Clear 347 results

Showing 1-10 1 2 3 4 5 > Last

Work Plan to Research the Presence of Contaminants and the General Health of Moose, Woodland Caribou and Fish in the Deh Cho Territory - CIMP8

A work plan for examining the presence of contaminants and the general health of moose, woodland caribou and fish in the Dehcho Territory.

Open Preview Details

Using Hunter Observations and Ecological Knowledge Together With Science to Understand Past and Current Occurrence of Wildlife Diseases in the North 2005 - CIMP14

This report provides a summary of the outcome of a series of focus-group interviews on wildlife disease occurrence in 10 communities in the Sahtu, Gwich'in, and Inuvialuit settlement regions, Northwest Territories from January-March 2005. The purpose of t...

Open Preview Details

Wolf Abundance and Predation Study - Presentation from NWT Environmental Monitoring Results Workshop 2013 - CIMP50

Presentation from the NWT Environmental Monitoring Results Workshop held in Yellowknife, co-hosted by the NWT Cumulative Impact Monitoring Program (CIMP). The presentation outlines work conducted in the Tlicho region to estimate the number of wolves as...


Open Preview Details

Seasonal Range Use and Movement Patterns of Boreal Caribou in the Dehcho 2010 - CIMP40

This is a long term project with the key objectives being 1) to document key aspects of the ecology of boreal caribou thus providing baseline information on boreal caribou populations that range through out the Dehcho region, 2) continued population monit...



NWT Discovery Portal



NWT Discovery Portal

A Source for Environmental Knowledge

[Home](#) [About](#) [Search](#) [Browse](#) [Links](#)

Details

Linear human development features for the Inuvialuit

Metadata

File Identifier: {3AC5E610-2B34-4898-BEFA-A875640F88AF}

Metadata Language: en

Responsible Party:

Organisation Name: Caslys Consulting Ltd.

Role: Custodian

Metadata Date: 2014-03-28

Metadata Standard Name: Basic ISO 19139/19115 Metadata for Dataset

Metadata Standard Version: 2003

Data Identification

Abstract: A spatial dataset of linear development locations within the Inuvialuit Settlement Region (ISR) of the Northwest Territories. Development activities include roads, cutline/trails, seismic lines, and pipelines. These linear features are a part of the Inuvialuit Settlement Region Human Development Database, which was initiated to provide a tool for standard approaches to cumulative effects analysis and land use planning in the NWT. This dataset was created in 2010 and includes features from a number of different sources, including CanVec (Natural Resources Canada), National Energy Board (NEB), Golder Associates Ltd., and the Northwest Territories Geoscience Office. The polygonal dataset is available for download and includes associated metadata. Keywords: spatial data, GIS, development, land use

Language: en

Distribution

Transfer Options:

URL: http://sdw.enr.gov.nt.ca/nwt_dp_upload/linear_developments_ISR.zip


Function:

Distributor:

Distributor Contact:

Organisation Name: Inventory of Landscape Change

Role: Distributor



NWT Discovery Portal

A Source for Environmental Knowledge

[Login](#) [Register](#) [Help](#) [Feedback](#)

[Home](#) [About](#) [Search](#) [Browse](#) [Links](#)

Browse resources in a tree view based on pre-classified search criteria. You can further filter the results.

- Land Mammals
- Marine Life
- Snow / Ground Ice / Permafrost
- Vegetation
- Water Quality
- Water and Sediment Quality
- Data Type Keywords
 - Article
 - Data
 - Geospatial Data (Raster)
 - Geospatial Data (Vector)
 - Graphic or Image
 - Map
 - Online
 - Paper
 - Poster
 - Presentation
 - Report
 - Table
 - Video or Sound Recording
 - Video Link
 - Web Link
- Organization

The Geospatial Portal is the online gateway for the GNWT and the public to discover and access the geographical data stored by the GNWT in the Spatial Data Warehouse. Through this website, you can search for data layers of interest, query them, and display...

[Details](#)

IRS derived development areas within the Deh Cho region

The Deh Cho Land Use Planning Committee (DLUPC) development areas spatial dataset are human physical disturbance areas interpreted from IRS 5m resolution satellite imagery in the Deh Cho Region. This dataset was created by Colt Geomatics in 2003 / 2004. ...

[Open](#) [Details](#)

Linear human development features for the Inuvialuit Settlement Region (ISR)

A spatial dataset of linear development locations within the Inuvialuit Settlement Region (ISR) of the Northwest Territories. Development activities include roads, cutline/trails, seismic lines, and pipelines. These linear features are a part of the Inuvialuit Settlement Region Human Development Database, which was initiated to provide a tool for standard approaches to cumulative effects analysis and land use planning in the NWT. This dataset was created in 2010 and includes features from a number of different sources, including CanVec (Natural Resources Canada), National Energy Board (NEB), Golder Associates Ltd., and the Northwest Territories Geoscience Office. The polygonal dataset is available for download and includes associated metadata. Keywords: spatial data, GIS, development, land use

[Open](#) [Details](#)

IRS derived linear development features within the Deh Cho region

The Deh Cho Land Use Planning Committee (DLUPC) linear development spatial dataset are human physical disturbance features interpreted from IRS 5m resolution satellite imagery in the Deh Cho region. This dataset was created by Colt Geomatics in 2003 / 2004. ...

[Open](#) [Details](#)

Development locations within the Inuvialuit Settlement Region (ISR)

A spatial dataset of human development locations covering the Inuvialuit Settlement Region (ISR) of the Northwest Territories. These locations are a part of the Inuvialuit Settlement Region Human Development Database, which was initiated to provide a tool for standard approaches to cumulative effects analysis and land use planning in the NWT. This dataset was created in 2010 and includes features from a number of different sources, including CanVec (Natural Resources Canada), National Energy Board (NEB), Golder Associates Ltd., and the Northwest Territories Geoscience Office. The polygonal dataset is available for download and includes associated metadata. Keywords: spatial data, GIS, development, land use

[Open](#) [Details](#)

NWT Discovery Portal



NWT Discovery Portal

A Source for Environmental Knowledge

[Login](#) [Register](#) [Help](#) [Feedback](#)

[Home](#) [About](#) [Search](#) [Browse](#) [Links](#)

Northern Programs

NWT CIMP	www.enr.gov.nt.ca/programs/nwt-cimp
NWT Protected Areas Strategy	www.nwtpas.ca
Northern Contaminants Program	www.science.gc.ca/eic/site/063.nsf/eng/h_7A463DBA.html
Beaufort Regional Environmental Assessment (BREA)	www.aadnc-aandc.gc.ca/eng/1310583424493/1310583559732

Databases and Publications

Inuvialuit Settlement Region Database	www.aina.ucalgary.ca/isr/
NWT Species Monitoring Infobase	www.nwt-species-at-risk.ca/content/search-infobase
GNWT Centre for Geomatics	www.geomatics.gov.nt.ca/
Arctic Borderlands Ecological Knowledge Society	www.arcticborderlands.org
Canadian Forest Service Bookstore	www.cfs.nrcan.gc.ca/publications/
Aurora Research Institute	www.nwtresearch.com
Arctic Change	www.arcticchange.org
Polar Data Catalogue	www.polardata.ca

Water, Renewable Resources, and Planning Organizations

NWT Water Board	www.nwtwb.com
Land and Water Boards of the Mackenzie Valley	www.mvlwb.ca/Registry.aspx
Mackenzie Valley Land and Water Board	www.mvlwb.com
We'keezhii Land and Water Board	www.wlwb.ca
Sahtu Land and Water Board	www.slwb.com
Gwich'in Land and Water Board	www.glwb.com
Gwich'in Renewable Resources Board	www.grrb.nt.ca
Sahtu Renewable Resources Board	www.srrb.nt.ca
Gwich'in Land Use Planning Board	www.gwichinplanning.nt.ca
Sahtu Land Use Planning Board	www.sahtulanduseplan.org
Dehcho Land Use Planning Committee	www.dehcholands.org/about.htm
We'keezhii Renewable Resources Board	www.wrrb.ca



Questions?

Inventory of Landscape Change (ILC) Map Viewer

https://www.maps.geomatics.gov.nt.ca/Html5Viewer_PROD/Index.html?viewer=CIMP_ILC_Webmap.ILC_Viewer

NWT Discovery Portal

<http://nwtdiscoveryportal.enr.gov.nt.ca/geoportal/catalog/main/home.page>

Sharyn Alexander

www.caslys.ca