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Tools and Processes
*Trials and refinements in
northern BC with
IWRG & CIRC*

Mentoring & Capacity Strengthening: Technical Development and Explicit links with Trainee Research

(for example)

“Climate change implications for
ecosystems and well-being:
developing effective geospatial knowledge
exchange tools in the Nechako Watershed”

Joe Gothreau



- Youth-perspectives on Environment, Community, Health values



Fill a Form

Search

Reports

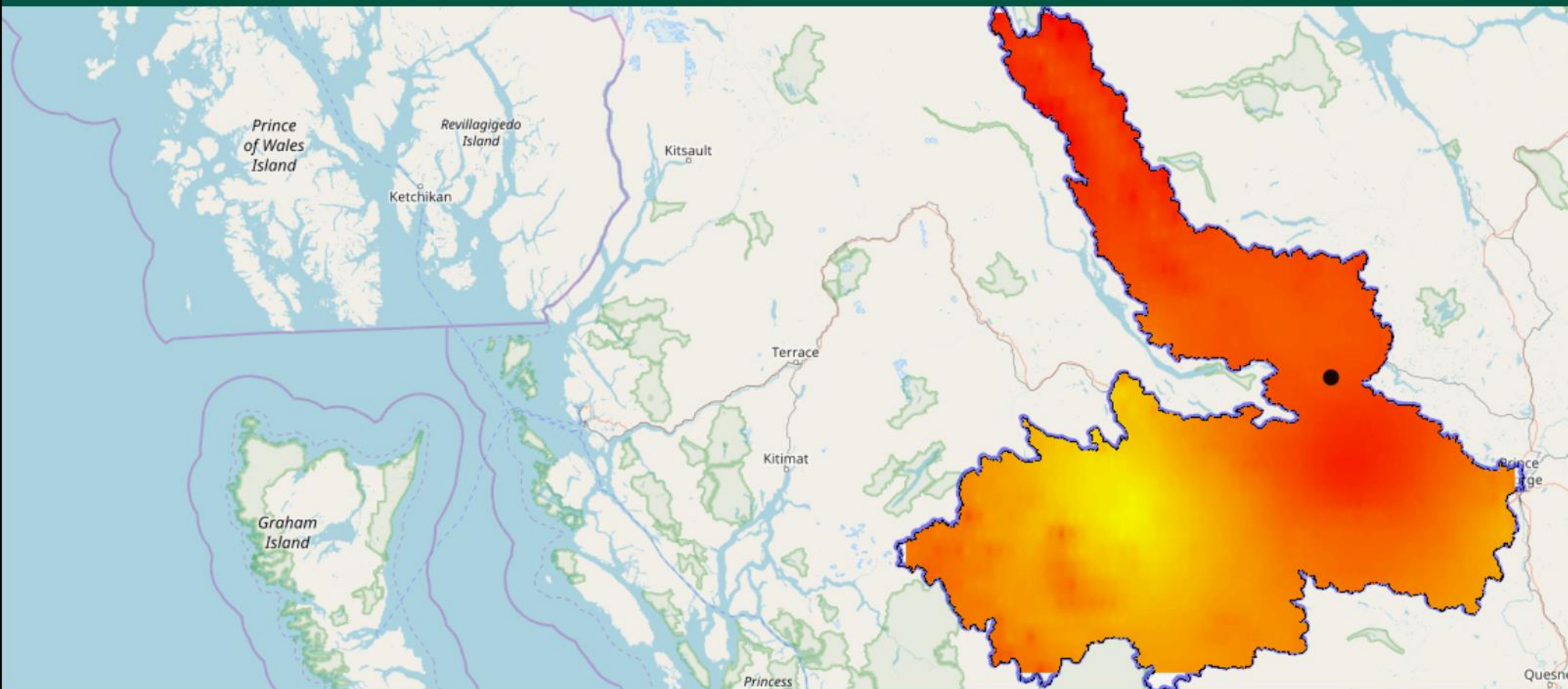
Map Tools ▾

Links ▾

Dashboard

0

Logout



Map

1 : 5000000m

- ☒ Fort St. James
- ☒ Trend
- ☒ Nechako_Watershed_B
- ☐ ESRI
- ☒ OSM base

{{{ECHO}}}

Tools and Processes

*Trials and refinements in
northern BC with
IWRG & CIRC*



Submission Details: ID: 225 - Generic_2 - admin

General

Preview

Allowed Users

Spatial Data

Attachments

Child Submissions

History

Export

Submission Name

Title: ID: 225 - Generic_2 - admin

Name: Amendment to Climate submission

Name is Title

Parent Submission

▼ Help

Parent Submission: ID: 44 - IWRG_General_Use - admin

Dynamic Content

Description of the content submitted

Adding a point to represent where the conversation with Dr. Stephen Déry about climate change occurred.

Continued...

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Tools and Processes

*Trials and refinements in
northern BC with
IWRG & CIRC*



Submission Details: ID: 225 - Generic_2 - admin



General

Preview

Allowed Users

Spatial Data

Attachments

Child Submissions

History

Export

Dynamic Content

Description of the content submitted

Adding a point to represent where the conversation with Dr. Stephen Déry about climate change occurred.

Use this section to provide citation information

Title:

Authors(s): Stephen Déry

Year: 2017

List any relevant websites or physical locations of submitted content. This can also include linking to partners, funders, and other projects.

Helvetica



Dr. Stephen Déry's UNBC profile:

<http://www.unbc.ca/people/dery-stephen>

Dr. Stephen Déry's Northern Hydrometeorology Group website:

<http://web.unbc.ca/~sdery/>

Keyword(s): Climate change

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Tools and Processes

*Trials and refinements in
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Submission Details: ID: 225 - Generic_2 - admin

General

Preview

Allowed Users

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Child Submissions

History

Export

Keyword(s): Climate change

Additional Information:


A conversation where Dr. Déry discusses climate change as it pertains to the Nechako Watershed, while being in Fort St. James.

Permissions

— ▼ Help —

- ▶ ☐ !Stewardship
- ▶ ☒ all_users
- ▶ ☒ IWRG

Attachments

| <input type="checkbox"/> | File Name | Metadata |
|--------------------------|---|----------|
| <input type="checkbox"/> |  Stephen.WAV | |

{{ECHO}}

Tools and Processes

In conjunction with

Integrated Watershed Research Group



Submission Details: ID: 225 - Generic_2 - admin

General

Preview

Allowed Users

Spatial Data

Attachments

Child Submissions

History

Export

Attachments

☐

File Name

Metadata

☐

Stephen.WAV

Spatial Layers

— ▼ Help —

— ▼ Valid Schemas —

☐

Layer Name

☐

Fort St. James

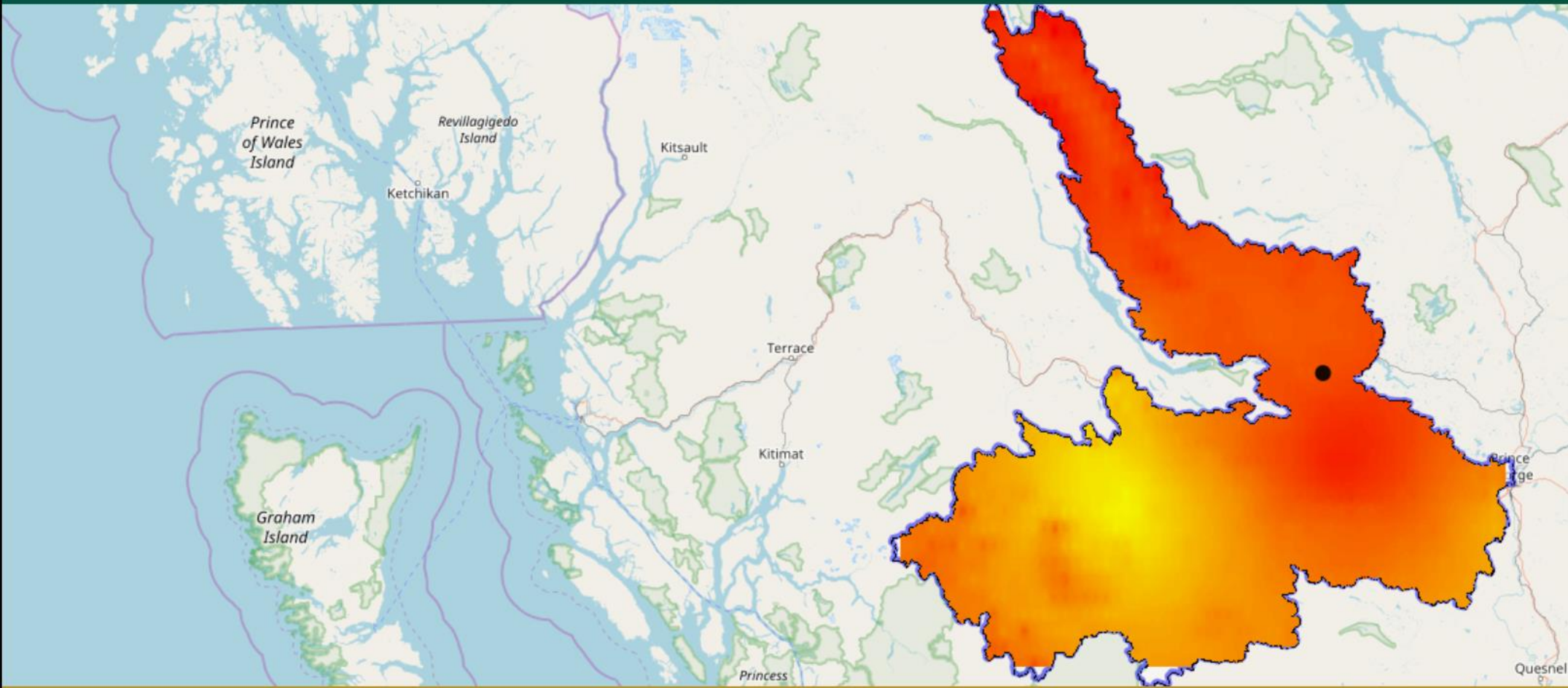
From Map

Download

Notifications

Integrated Watershed Research Group Portal

- Fill a Form
- Search
- Reports
- Map Tools
- Links
- Dashboard 0
- Logout



Map

1 : 5000000m

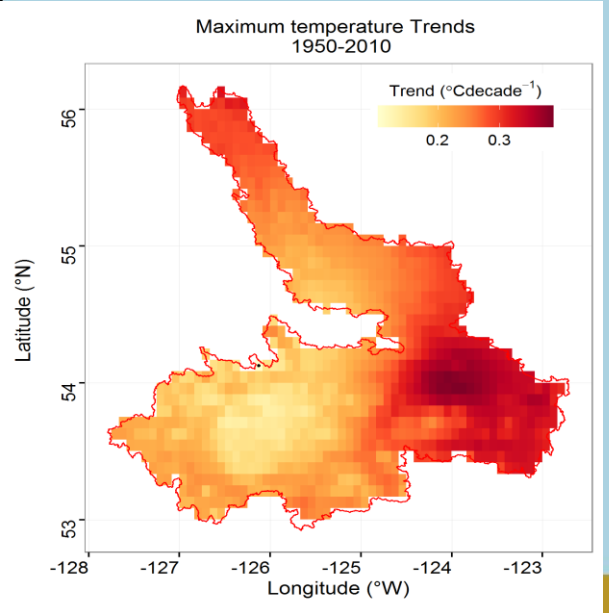
☒ Fort St. James

☒ Trend

☒ Nechako_Watershed_E

☐ ESRI

☒ OSM base



Integrated Watershed Research Group Portal

[Fill a Form](#) [Search](#) [Reports](#) [Map Tools](#) [Links](#) [Dashboard](#) [0](#) [Logout](#)

Map

1 : 7000000m

- ☒ School_District_91
- ☒ Nechako_Watershed_B
- ☐ ESRI
- ☒ OSM base

Stewardship Portal | Version 3 | Build 5665M

{{ECHO}}

Tools and Processes *Trials and refinements in northern BC with IWRG & CIRC*



CIRC

The Cumulative Impacts
Research Consortium

UNBC UNIVERSITY OF
NORTHERN BRITISH COLUMBIA

Workshop Follow-up Report:

'A Clean Environment Makes a Healthy Community' Identifying youth place-based values in School District 91 July 2017

What is the CIRC?

The Cumulative Impacts Research Consortium (CIRC) is a research and community outreach initiative located at the University of Northern British Columbia focused on better understanding the cumulative environmental, community and health impacts of resource development in northern B.C. For more information on our ongoing research and related initiatives, please visit www.unbc.ca/cumulative-impacts.

About the Workshop

In order to better understand youth perspectives on regional environmental, community and health values, CIRC held a workshop with grade 8 students from School District 91 (SD91) on May 25, 2017. The overall goal of this workshop was to learn about the kinds of values that are important to youth living in SD91 in relation to resource development—a school district with 30 educational sites, 5,500 students,

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Tools and Processes

*Trials and refinements in
northern BC with
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Submission Details: ID: 217 - CIRC_Report - Gothreau

| | |
|-------------------|---|
| General | Submission Name |
| Preview | Title: ID: 217 - CIRC_Report - Gothreau |
| Allowed Users | Name: A Clean Environment Makes a Healthy Community |
| Spatial Data | |
| Attachments | |
| Child Submissions | |
| History | |
| Export | |

Dynamic Content

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Continued...

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Tools and Processes *Trials and refinements in northern BC with IWRG & CIRC*



Submission Details: ID: 217 - CIRC_Report - Gothreau

| | |
|-------------------|---|
| General | Author(s): CIRC |
| Preview | Title of Report: 'A Clean Environment Makes a Healthy Community' Identifying youth place-based values in School |
| Allowed Users | Publication Year: 2017 |
| Spatial Data | Publication Type: Workshop Follow-up Report |
| Attachments | Report URL: <div>Helvetica B I U T⁺ T⁻ I T ≡ ≡ ≡ ≡</div> http://www.unbc.ca/events/43900/identifying-youth-place-based-values-school-district-91 |
| Child Submissions | Keywords: CIRC, School District 91, SD91, Community, Health, Environment |
| History | Associated Files: <div>PDF: Full Report Photos: Two photographs of each completed map for three different classes School District 91 boundary shapefile</div> |
| Export | |

Continued...

Events Home

Academic Dates +

Dates & Deadlines

Information Sessions

Thesis Defences

Identifying Youth Place-Based Values in School District 91



Date: Thursday, May 25, 2017 (All day)

Campus: Off Campus

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Tools and Processes

*Trials and refinements in
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| | |
|-------------------|--|
| General | Partner(s): School District 91 |
| Preview | Funder(s): |
| Allowed Users | Real Estate Foundation British Columbia |
| Spatial Data | Pacific Institute for Climate Solutions |
| Attachments | |
| Child Submissions | |
| History | |
| Export | |
| | Contact Information: |
| | Madeline Wilson: CIRC Research Associate madeline.wilson@unbc.ca 1.250.960.5994 |
| | Partner(s) Website: |
| | <div>Helvetica</div> <div>B I U T⁺ T⁻ T₊ T₋ <div><div>http://www.sd91.bc.ca/</div></div></div> |

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Tools and Processes

*Trials and refinements in
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Submission Details: ID: 217 - CIRC_Report - Gothreau

General

Preview

Allowed Users

Spatial Data

Attachments

Child Submissions

History

Export

Attachments

| <input type="checkbox"/> | File Name | Metadata |
|--------------------------|-------------------------------------|----------|
| <input type="checkbox"/> | unbccircsd91finalworkshopreport.pdf | |
| <input type="checkbox"/> | class 1 combined 1.jpg | |
| <input type="checkbox"/> | class 1 combined 2.jpg | |
| <input type="checkbox"/> | class 2 combined 1.jpg | |
| <input type="checkbox"/> | class 2 combined 2.jpg | |

Spatial Layers

Help

Valid Schemas

☐ Layer Name

☐ SD_91

From Map

Download

{{ECHO}}

Tools and Processes *Trials and refinements in northern BC with IWRG & CIRC*



CIRC

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ENVIRONMENT

HEALTH

COMMUNITY

COMMUNITY



LEGEND

- Environment value Location
- Community value Location
- Health value Location
- Saik'uz First Nations' Territory
- School District 91 Border
- Highway 16 and 27
- Lakes
- Provincial Parks

Haida Gwaii

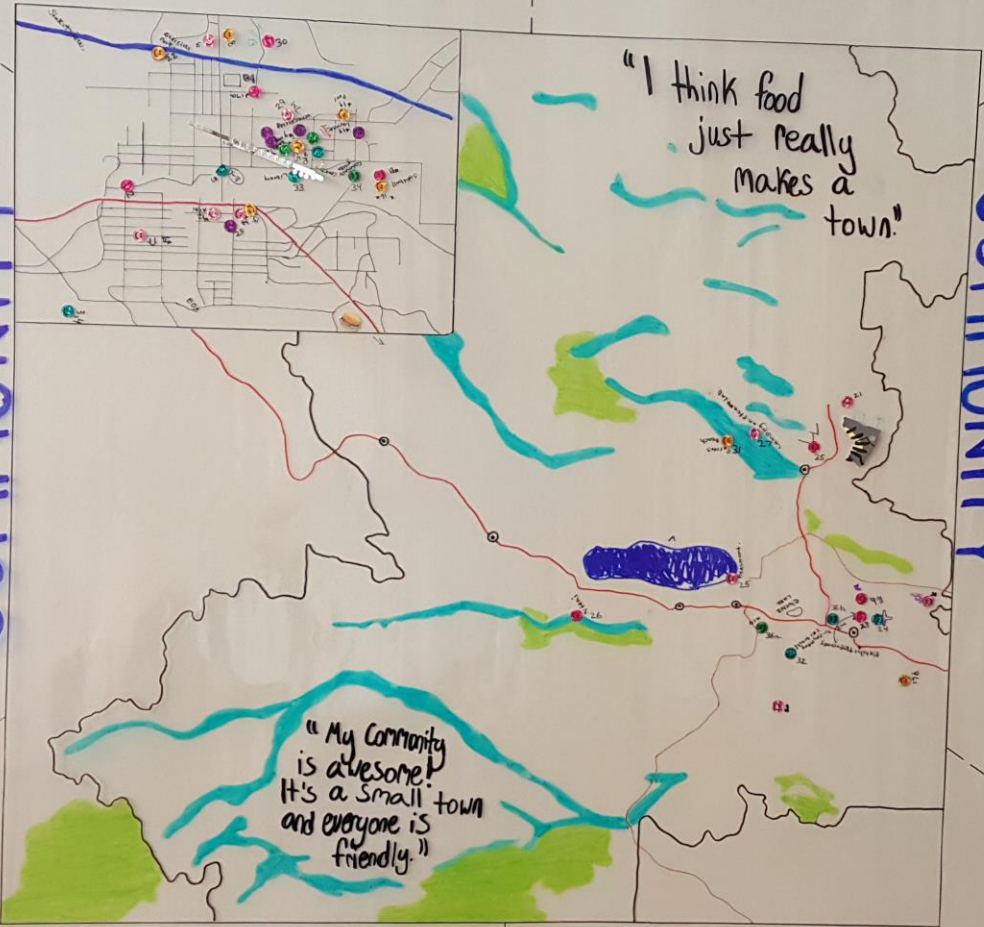


HEALTH

ENVIRONMENT



COMMUNITY



COMMUNITY



BRAP BRAP



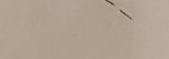
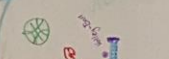
BRAP



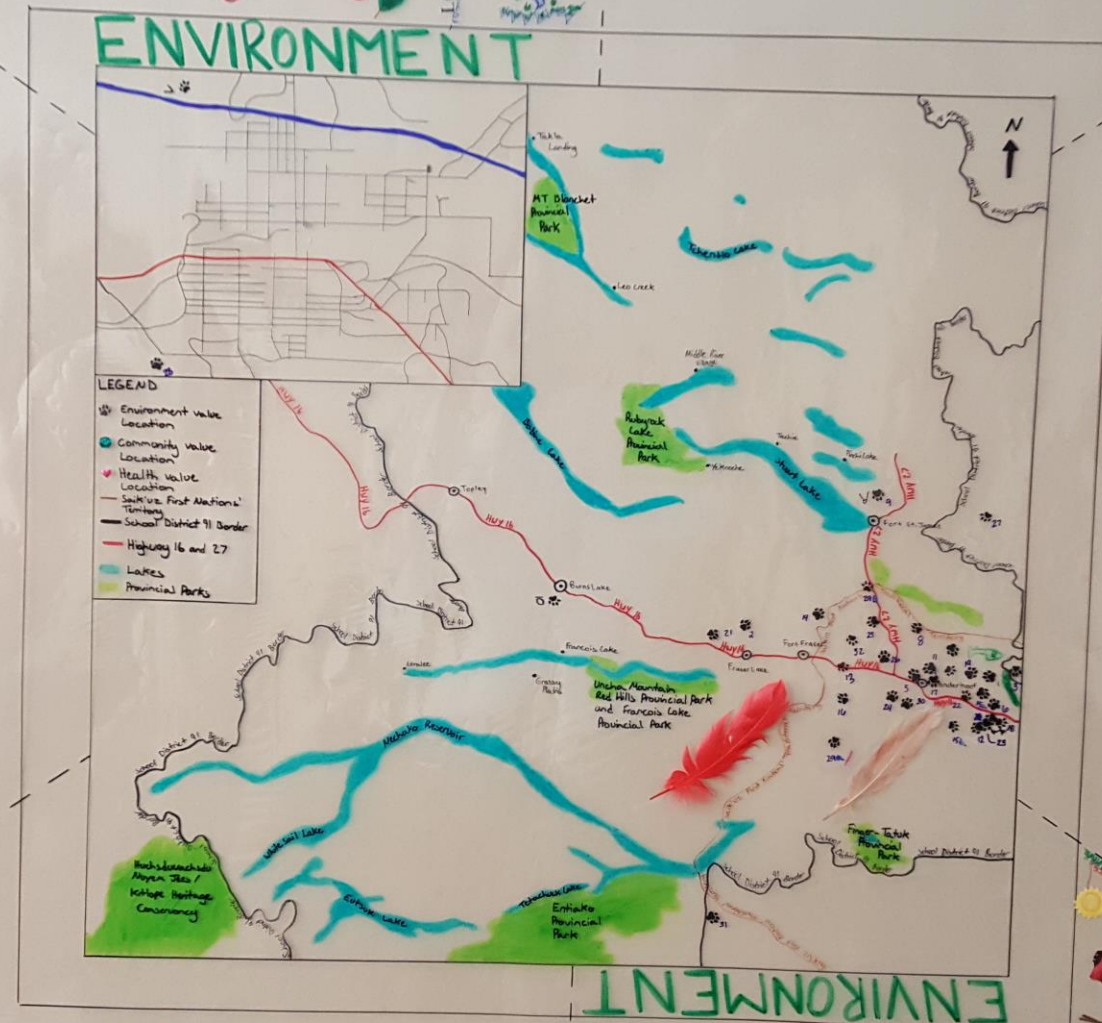
re e n



BRAP



Paddle boating
 Kayak
 Camping
 Fishing
 Hiking
 Brooming
 Braaap
 Ferrets
 and
 cats



"There's a lot of food
 resources around
 the community...
 ...blueberries, Saskatoon..."

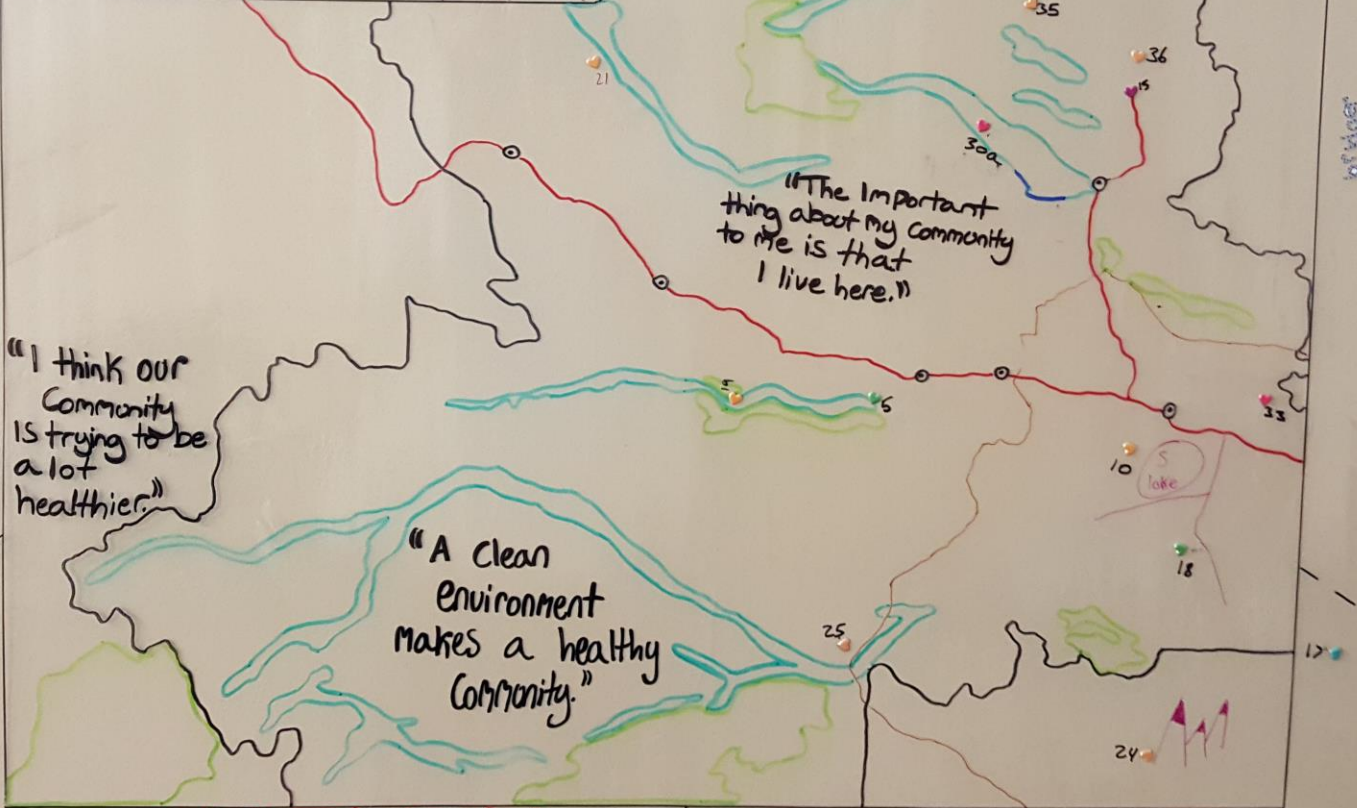
HEALTH

"The River brings the Community together."

"The Important thing about my Community to me is that I live here."

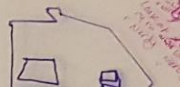
"I think our Community is trying to be a lot healthier."

"A Clean Environment makes a healthy Community."



HEALTH

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A web-based portal refined in the Nechako

- **Web-based** platform
- **Geospatial** means by which to store, search and access information
- **Open-source**, designed in northern BC, adapted to Nechako context /users
- **Expansion of options** for users and data-entry
- **User-group** oriented
“like Google earth, but different”



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Environment, Community,
Health Observatory Network

Strengthening intersectoral
capacity to understand and
respond to health impacts of
resource development



Réseau ECHO Network

