

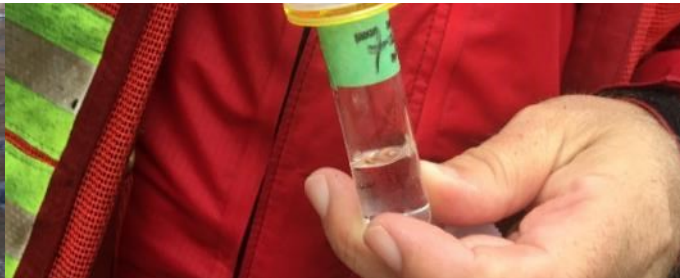
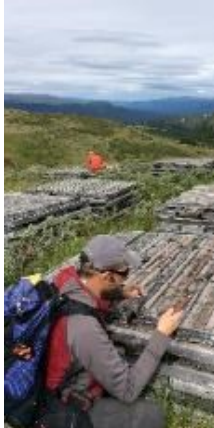


## *Project Update*

# **Vancouver Island North Regional Project**

Port McNeill Open House | Sept 17, 2019

Richard Truman & Brady Clift



Non-profit organization

Generate and share high quality,  
unbiased earth science research  
and data

Collaboration between  
governments, communities,  
Indigenous groups, resource  
sectors, academia

... improves our collective level of geoscience knowledge

... informs responsible natural resource decisions

.... catalyzes socio-economic opportunities

... stimulates innovation and geoscience technologies



**Minerals**



**Energy**



**Water**

## **Identifying New Natural Resource Opportunities**

Understanding Water

Advancing Science & Innovative Geoscience Technologies

Facilitating Responsible Natural Resource Development

Enabling Clean Energy

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Governance, Management  
& Finance

Public Access &  
Data Management

External Relations  
& Communications



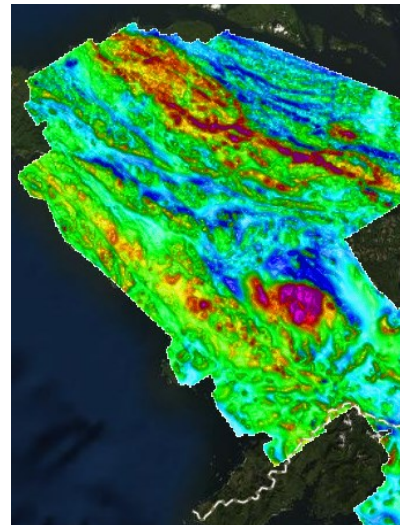
# Past Vancouver Island Projects

*Advancing Science & Innovative  
Geoscience Technologies*



2017: An Assessment of the  
Use of Halogens and Volatile  
Compounds in Vegetation, Soil  
and Snow in the Exploration  
for Concealed Deposits

*Identifying New Natural Resource Opportunities*



2012: 'Northern Vancouver Island'  
Geophysics for western portion  
Geochemistry across wider area

2008: Northern Vancouver Island Data Compilation  
2009: Vancouver Island Data Reanalysis Project  
2014: Productivity Analysis of Stream Sediment Data from  
Northern Vancouver Island

# Vancouver Island North Regional Project



## The issue:

Up-to-date, unbiased earth science information is essential to inform decisions relating to the development of BC's mineral resources.

Long-term demand for the metals and minerals that might be uncovered in this area is growing because they are important in the production of renewable energy, batteries and our everyday electronic devices.

# Vancouver Island North Regional Project



## **This project will:**

- Produce new research using the latest methods that can be used to update geological maps
- Identify regional geological and structural mineral exploration targets
- Provide economic stimulation
- Engage communities, share information

## **Project Benefits**

The new geoscience information generated by this project may spark new mineral exploration activity.

The information generated by this project will help the exploration sector, communities, Indigenous groups and governments to make informed decisions about responsible natural resource development.

# How Did Project Develop?



## Throughout 2018

Volunteer Geoscience BC Minerals Technical Advisory Committee discusses potential regional projects

Recommends follow-up to 2012 Northern Vancouver Island project, with input from Vancouver Island Exploration Group

## December 2018

Geoscience BC Board of Directors approves funding of \$1,050,000

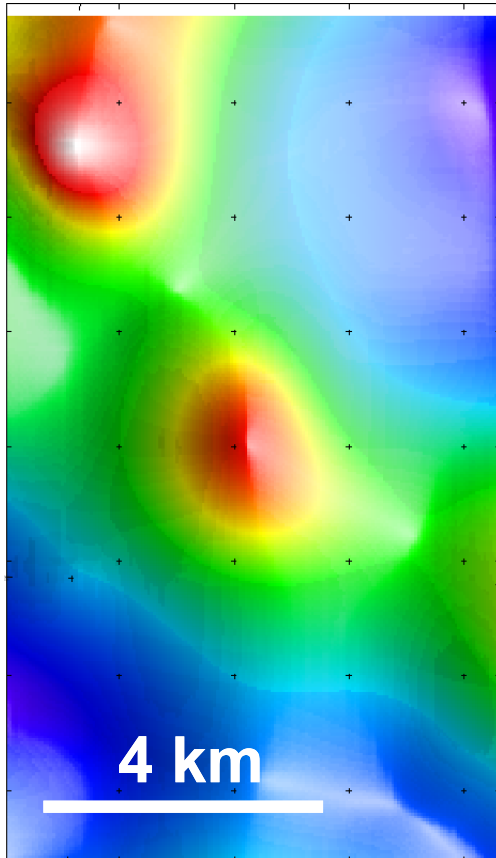
## March - June 2019

Project planning:

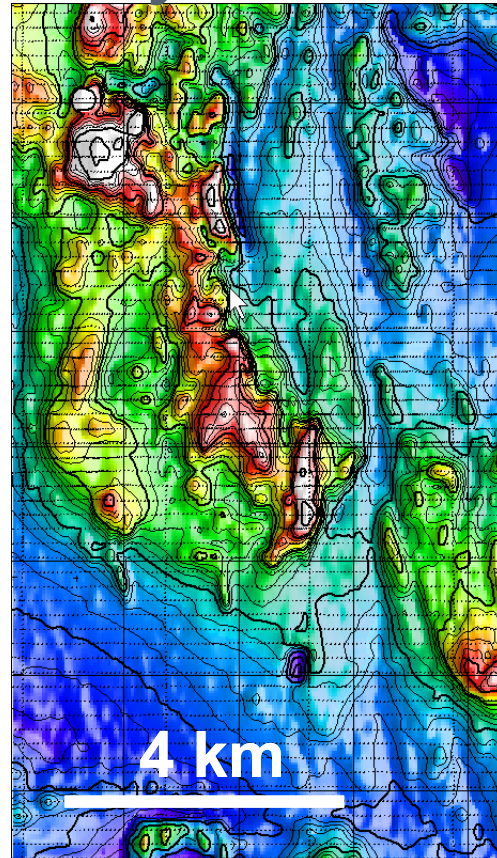
- Initial information sent to communities - March
- Attend Association of Vancouver Island and Coastal Communities local government conference
- Project area refined
- Request for Proposals to fly survey issued - June
- Precision GeoSurveys selected as contractor - July

# Why New Data?

1970s



Today



## QUEST-Northwest

Magnetic data collected in the 1970s vs modern data

Makes more effective targeting possible for:

- Mineral exploration
- Improved understanding where mineral exploration interest may be
- Layering with Tahltan information for decisions



# Vancouver Island North Regional Project

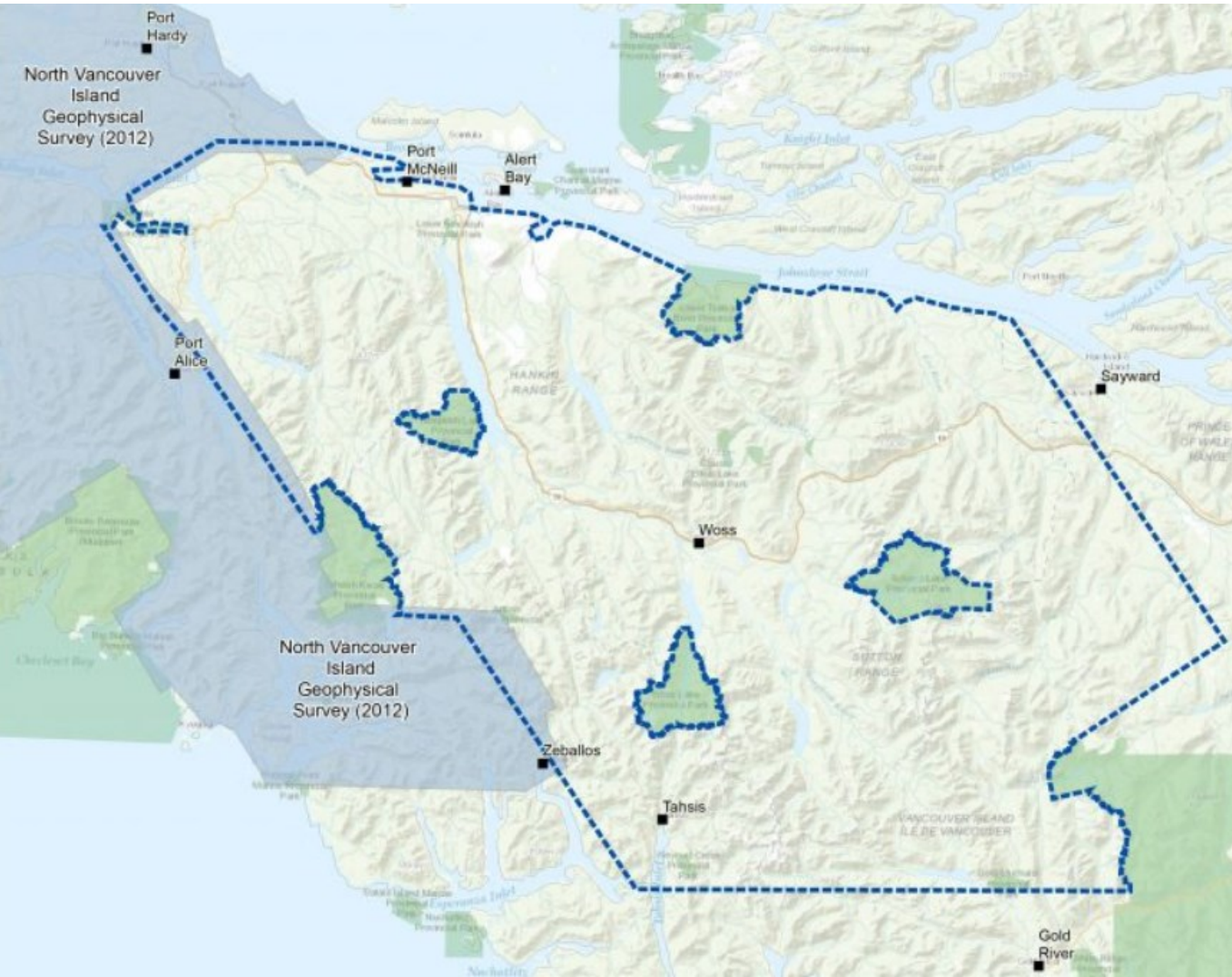


\$1.1m investment – local spending, local team

Bases: Port McNeill, Woss

Not flying over large parks

Flying started August 2019, to complete October 2019



# Vancouver Island North Regional Project



Eurocopter AS350 – C-GSVY

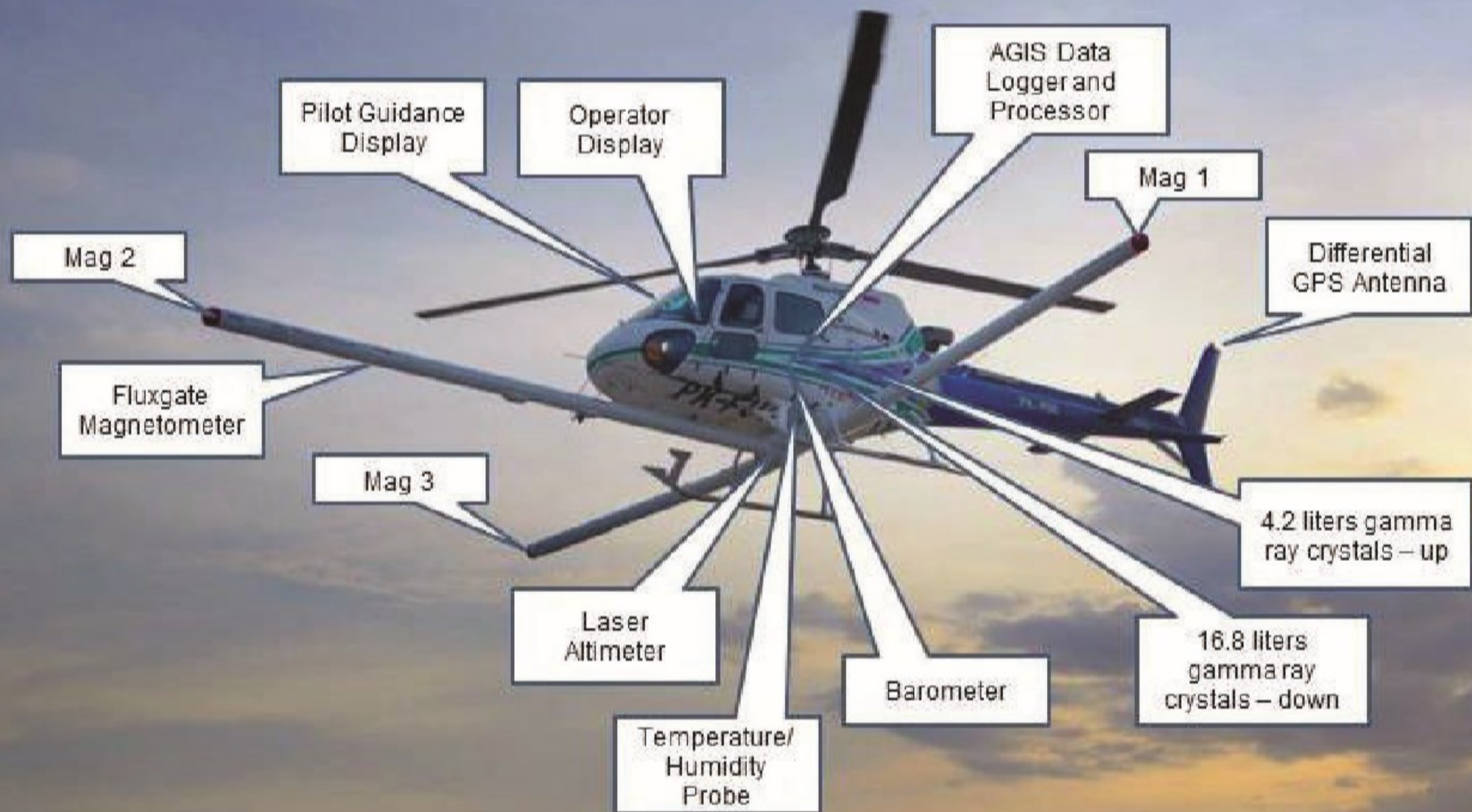
Lines 250 m apart, 80 m constant  
height above ground level

Rising to 300 m over larger  
communities

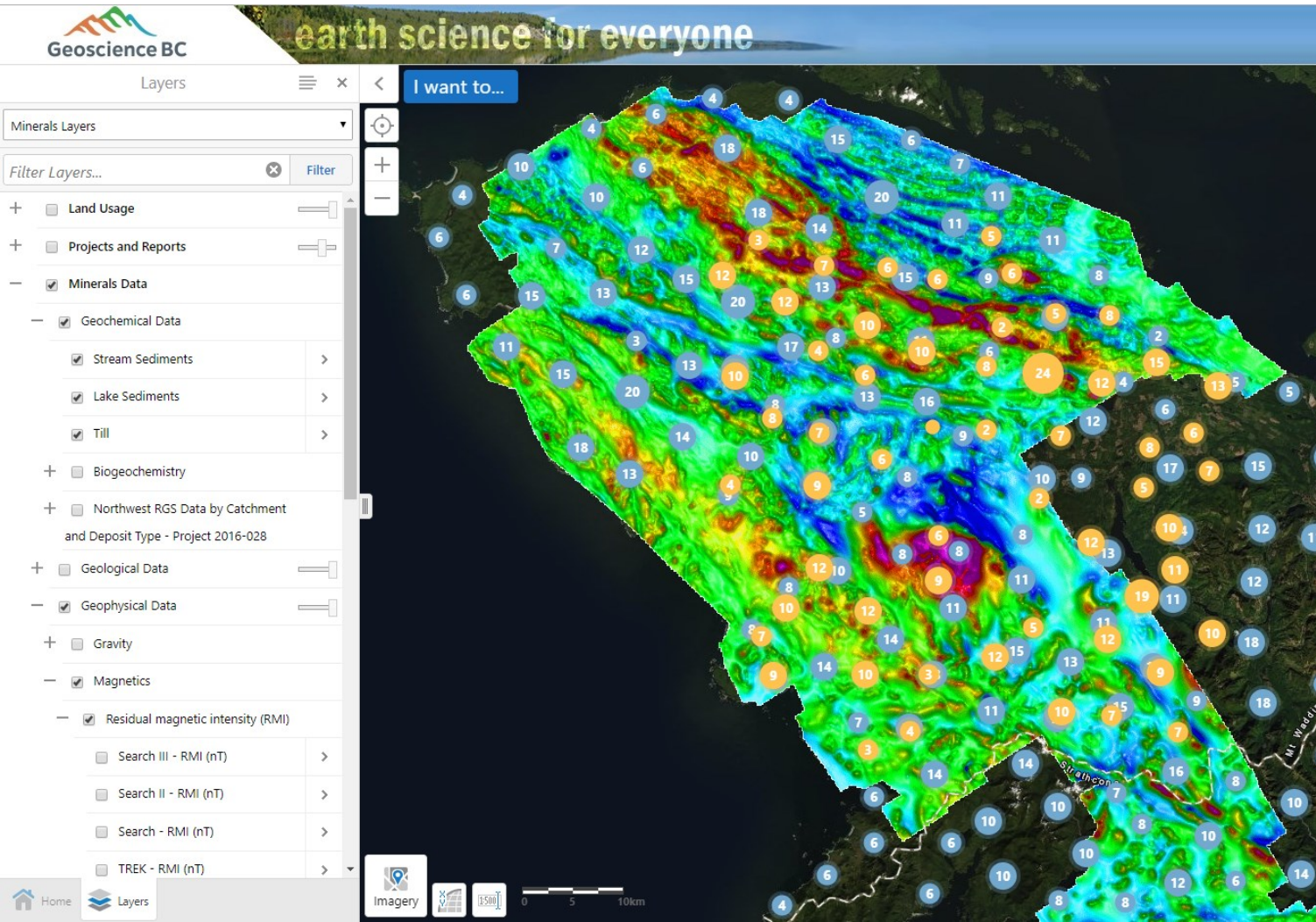
New, high resolution data  
Magnetic – biaxial magnetometer  
Radiometric – 21 litres of gamma  
crystals

26,949 km of flying / 6,127 km<sup>2</sup>: around  
20% of Vancouver Island





# Vancouver Island North Regional Project



Adds to 2012 project – geophysics and geochemistry

Fall – data processing and correction; peer review

Data to be published January 2020

All data and reports are public



# What Next?



**Open houses & Regional District  
meetings**  
September

**AME Roundup conference**  
January 19-23, 2020

**TBD – meetings to present results**  
Early 2020

**Potential mineral claim staking,  
investment and mineral  
exploration activity**



# Geoscience BC

## Thank You

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