

BC Geological Survey
Assessment Report
30781

**Geological, Geochemical, Conventional
and**

**Physical Work
Assessment Report**

*On The
FREEDOM Claim Group*

Nanaimo Mining Division

*NTS Map 92F/11W
located*

49 38' 37 north 125 20' 39 west

Owner: Gary M. Thorsen

Author of the Report: Gary M. Thorsen

30781

Ministry of Energy & Mines
Energy & Minerals Division
Geological Survey Branch

**ASSESSMENT REPORT
TITLE PAGE AND SUMMARY**

TITLE OF REPORT [type of survey(s)] <i>Physical and Geochemical Prospecting</i>		TOTAL COST \$ <i>1757.24</i>
AUTHOR(S) <i>GARY M. THORSEN</i>	SIGNATURE(S) <i>Gary M. Thorsen</i>	

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) _____ YEAR OF WORK *2008*

STATEMENT OF WORK CASH PAYMENT EVENT NUMBER(S)/DATE(S) *Submission Fee - 175.72*

Event number - *4273494*, Date *2009/Apr./07*

PROPERTY NAME *Freedom #2 - Tenure # 580600*

CLAIM NAME(S) (on which work was done) *Freedom #1 - 570706 and Freedom #2 - 580600*

COMMODITIES SOUGHT *Copper and Gold*

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN _____

MINING DIVISION *Nanaimo, BC* NTS *92F/11E*

LATITUDE *49° 38' 37"* LONGITUDE *125° 20' 39"* (at centre of work)

OWNER(S)

1) *GARY THORSEN* 2) _____

MAILING ADDRESS

*P.O. Box 8 (5429 South St. Hwy.)
Union Bay, B.C., V0R3B0*

OPERATOR(S) [who paid for the work]

1) *GARY THORSEN* 2) _____

MAILING ADDRESS

SAME AS ABOVE

PROPERTY GEOLOGY KEYWORDS (lithology, age, stratigraphy, structure, alteration, mineralization, size and attitude):

The area is primarily underlain by basalt flows of the upper Triassic, Vancouver Group, Kermatic formation of basalt flows, pillow lava, breccia, aqueous tuff, and some sedimentary layers. Unit intruded by a Granddiorite stock. Minerals found - Malachite, limonite, chalcocite, bornite, pyrite + magnetite.

The Freedom #1 area is 300 ha., Freedom #2 area is 439.31 ha - Total = 739.31

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS

No previous prospecting, showings or staking in my claim area.

TYPE OF WORK IN THIS REPORT <i>Conventional, Physical and Geochemical</i>	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
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GEOLOGICAL (scale, area)

Ground, mapping *1:10,000 scale, 439.31 ha. - *Freedom-570706 DENIE- 1004.36 work amt*
 Photo interpretation *Google Earth* **Freedom-580600 - 1757.24 work amt*
 \$ 2761.16

GEOPHYSICAL (line-kilometres)

Ground

Magnetic _____
 Electromagnetic _____
 Induced Polarization _____
 Radiometric _____
 Seismic _____
 Other _____

Airborne _____

*GEOCHEMICAL *ALS CHEMEX LAB - ASSAYS*

(number of samples analysed for ...)

Soil *2 composites of 8 moss mats* " 93.37
 Silt _____
 Rock *4 - 33 Element ICP-61 and Au-FA* " 170.21
 Other *35 Field Cold Extractable, THM soil samples* "
 DRILLING *Water - 16 pH creek samples and 16 creek THM samples (test strips) for PH Heavy metal test strips with detection levels, 10, 20, 50, 100, 200, 400, 1000 ppb (ug/l)* "
 Core _____
 Non-core _____

RELATED TECHNICAL

Sampling/assaying _____
 Petrographic _____
 Mineralographic _____
 Metallurgic _____

PROSPECTING (scale, area) *6 cm = 5 km - 439.31 ha.*

PREPARATORY/PHYSICAL

Line/grid (kilometres) _____
 Topographic/Photogrammetric (scale, area) _____
 Legal surveys (scale, area) *Hiking*
 Road, local access (kilometres)/trail *43.2 km., 8 kms.* \$ 225.75 gas
 Trench (metres) _____
 Underground dev. (metres) *Food 20 days @ \$20.00/day* 400.00
 Other *Soil and water testing, moss mat samples and gold panning. Prospecting outcrops and water courses for myself and two assistants* } 3000.00

TOTAL COST \$ 3889.33

REPORT OF PHYSICAL EXPLORATION AND DEVELOPMENT
Section 15 - Mineral Tenure Act Regulation

1. Event number: 4273494	2. Tenure number(s): 580600 and 570706 (Report sent in.) <i>24 Dec. 08</i>	3. Type of Tenure: <input checked="" type="checkbox"/> Mineral, or <input type="checkbox"/> Placer
4. Recorded holder: GARY THORSEN	Address: P.O. Box 8, (5429 South Is. Hwy.)	Phone: 250.335.0467
5. Operator: 11	Address: Union Bay, BC	Phone: ---
6. Report author: GARY THORSEN	Address: same	Phone: Rock and
7. Qualifications/experience of operator:	36 years of prospecting, ministry of mines advanced prospecting course, Caspuga's B.C. <i>In Courtenay, also taught prospecting + gold panning at North Is. College</i>	
8. Brief summary of work activity on claim(s) in recent years (not including this year's new work):	I have received about 7 prospectors assistance grants since 1972. I discovered a moly showing west of Fort St. James and Stuart Lake. Was project manager for Tyler Resources on the independent property min file 925236. Prospected for Walter Guppy and Sam Craig (Craig) of Torino before they died. Have prospected the north Okanagan's coast from Raft Cove to Lippy Point near Winter Harbour.	

NEW WORK (Attach additional sheets if more space is required)

9. Actual dates work was done: Between 15 May to 20 Oct. 08	10. Tenure number(s) of claim(s) on which this work was performed: 570706 and 580600
11. Detailed written description of the work activity: state what was done and how it was done, and the results. Mention equipment, machinery, labourers, as applicable. The cost statement (#19 on page 2) must correspond to what is stated here. Attach the 1:10,000 scale map showing the work sites.	Studied Geology and Aero Magnetic maps of the area... performed Regional Reconnaissance water course + soil geochemical testing. Water pH's were tested and moss mats taken for assays and interval gold panning of the moss in Eric Creek was done. There is a 680 ppm Au RGS at the upper end of the creek. A 279 ppm Cu and 270 ppm Au is located further down stream about 4 km. We took 5 drone sampling outcrops and areas of oxidation and alteration. SEE Assay Results by ALS CHEMEX Lab in Appendix. I hired two assistants - Chris Mysterion of Abbotsford, B.C. and Leib Thorsen (son) of Seattle, Washington for 10 days each at different times of the season. (Report) <i>see</i>
12. Metric dimensions of workings: (Open cuts, adits, pits, shafts, trenches)	None was done. Only prospecting of areas.
13. Amount of material excavated and tested or processed: (metric units)	---
14. Geographic location of work sites: (access description, i.e., how you get to the work site)	From Courtenay, west on Lake Trail Rd. to Connor Lake Logging Rd. north side of lake to 18 1/2 km sign. Turn right + follow along the right side of the Crunch Shank River and cross the bridge at Eric Creek. Follow Eric creek for about 5 km to centre of claim, 25 miles from Courtenay.
15. Was GPS used to map work sites? If yes, give co-ordinates: Some locations, Chris Mysterion had one. (I now have one for 2009)	16. Were work sites marked in the field (e.g. flagging, cut lines)? If yes, indicate how: Pink flagging + permanent marker used on them.
17. Are photographs of work sites attached? Yes	18. Was Notice of work filed? Permit number: Didn't need one.

**I did jump thru Timberwest's Hoops.*

* New Form

NEW WORK (continued)

13. Geographic location of work sites; GPS coordinates; how would someone get to where the work was done; from the nearest town:
 From Courtenay, west on Lake trail Rd. to Comox Lake logging road that is on the north side of Comox Lake. Follow the road to the 18km sign and turn right and follow up the right side of the Cruikshank River and cross the bridge over it. Go straight west along Eric creek for about 5 km and you will be about the centre of the claim and 25 miles from Courtenay

16. Are photographs of work sites attached? (Y/N) yes

17. Was Notice of work filed? (Y/N) NO If YES, Permit Number: _____

COST STATEMENT

18. Expense(s) (complete either hourly rate or daily rate)	Total Hours OR # of days	Hourly Rate	Daily Rate	Total(s) (\$)
Labour cost: (specify type)				
Sampling soil + water / Mrs Matt gold panning moss on rocks + Stream gravel.	mo			
Me and Trip assistants: Chris + Leif	20 days + 10 days	\$ 12.50	\$ 100.00	\$ 3,000.00
Equipment & Machinery cost: (specify type)				
Lodging / Food:	Days	Rate(s)		
Food	20	\$ 20.00/day		400.00
Other: (specify) ALS CHEMEX Lab ASSAYS				
2 - sediment 33 element + Au - FA				93.37
4 - rock 33 element + Au - FA				\$ 170.21
19. Total costs of work from above:				\$ 3663.58 \$0.00

20. Transportation/travel (specify type)	Days	Rate(s)	Total(s) (\$)
Ford Bronco II 4x4 Jeep TJ 4x4 2,569.8 Kms	For GAS	20 days	\$ 225.75
21. Transportation/travel, maximum 20% of value in 19:			
22. Total costs of work (add 19 and 21):			\$ 3889.33
23. Amount claimed for assessment credit on claims:			\$ 3889.33

Gary M. Crown

Signature of Recorded Holder / Agent

5 May 2009

Date

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FIELD & LABORATORY WORK.....	3-4
GENERAL GEOLOGY.....	5
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APPENDIX.....	7

ILLUSTRATIONS

Fig.1 - Index Map and General Geology- 1inch=4 miles

Fig.2 – Freedom Claim Group Location

Fig.3 – Coloured Geological Map of the Area

Fig.4 – Freedom Claim Group MTO Map

Fig.5 – Google Earth Map of Eric Creek

Fig.6 – Topo Map 1:50,000 scale

PHOTOS

#1 – Author, Gary Thorsen Moss Matt Sampling Eric Creek

2 – Moss matt Sampling and Gold Panning

3 - Magnetite Float with Malachite, Cu and Zn

4 – Magnetite Outcrop with Malachite, Cu and Zn

5 – Chris Nystrom at oxidized pyrite/ Chalcopyrite vein

6 – Same vein as #5 with my silver ring in the foreground

TABLE OF CONTENTS

- #7 – The Author Gary Thorsen Sampling a Cu Mineralized Boulder
- 8 – Photo Looking West up Eric Creek Valley from the ridge of Freedom Claim #570706. With Mt. George V, Mt. Frink, and Castlecrag Mt.
- 9 – View from the Old Landing at the Headwaters of Eric Creek, with the logged Area and roads in Freedom Claim block # 570706. (Top Centre)
- 10 – My Son Leif after a Long Hard Day of Sampling and Prospecting



*Mt. George V as seen from new road out,
looking South-West with Eric creek below
the drop off.*

INTRODUCTION

Preliminary reconnaissance with conventional prospecting, soil and water geochemical testing, water course pH testing and field work were done on the Freedom Claim Group. The work was accomplished at various times between May 15th - Oct. 20th 2008.

Fieldwork described in this report has been principally directed towards the exploration inside and around the claim group-57076 and 580600 to prospect for economic mineralization associated with the quartz-diorite intrusion in that area. (see ~~Fig. 3~~ ILLUSTRATION Fig 3)

The units in the claim 57076 run in a north-south line and include one of the Carey Lakes to the east, while the units in the claim 580600 covers most of Eric Creek in a east-west direction. (see Fig. 4).

The claim block centers on a point lying some 12 air- miles west of Courtenay, BC., and overlies the Eric Creek valley and roughly 4 miles west of the confluence with the Cruickshank River. From the Island Highway at Courtenay, the property is reached via the public road to Comox Lake, thence by the private (Timberwest) logging road along the north shore of Comox Lake and up the east side of the Cruickshank River for a distance of about 25 miles.

There are several showings in and around the claim group. Mainly copper minerals and some zinc. Some areas have been logged several years ago and there are new roads being built with a small amount of new logging taking place.

There are several drainage basins flowing from both steep slopes that drain into Eric Creek from the north and south. The area has heavy underbrush and treed steep slopes which impedes on-foot access however this disadvantage is largely compensated by the good primary access by the general network of local logging roads.

During the average field season, approximately early May to mid- November, the property and showings can be reached with standard and four wheel drive motor vehicles.

FIELD AND LABORATORY WORK

The writer made his first visit to the property on May 15, 2008 visually prospecting all the logging roads, new and old in the claim areas by 4x4 Ford Bronco II and a full suspension Cannondale Mountain Bike with 21 gears. The bike was useful on over-grown old roads and newly blasted road beds into new logging blocks, and where previous Heli-logging had decked their logs in huge piles in wider areas of the old roads.

I had two assistants that I employed. One was Chris Nystrom of Abbotsford, BC that has prospecting experience with his father in both BC and the Yukon and has assisted me on other occasions. The second is my oldest son Leif of 31 years of age that now resides with his wife in Seattle, Washington. Leif has university geology and has accompanied me on several prospecting trips over the years from north-western BC, Barkerville, and several times on Vancouver Island. Vancouver Island trips included the rugged west-coast on the north end, from Raft Cove (south of Cape Scott) to Lippy Point near Winter Harbour.

Field work included detailed mapping of vein exposures and showings with reconnaissance prospecting, water course sampling for pH and Heavy Metals with test strips and Cold Extractable "Total Heavy Metals" in soils and sediments. (Holman Bloom Test). Eric Creek was Moss Matt sampled approximately every 300 meters to the triple fork at the head-waters below Faith Lake (see photo #2). I did some random gold panning of the "fines" for visible economic minerals (see photo # 1). The side creeks flowing into Eric Creek were also sampled and some stream beds were followed up to steeper sections and the rocks and boulders were observed for types and geology changes. (see ILLUSTRATIONS)

The writer also did further detailed geological mapping and sampling sites within the Claim areas. Fill in soil and water sampling will be done this season in between a 270 ppm gold, 279 ppm copper lower down the creek, and a 680 ppm gold Regional Geochemical Survey further up stream. Also, traverses are planned for up slope soil sampling and possibility a magnetometer survey above the 10,000+ ppm (5.7% ore grade) copper with zinc sample area.

Soil- samples were taken with a conventional mattock or grub hoe. The yellow-brown limonitic soil horizon (B-zone, or its nearest equivalent) was sampled. This layer occurring within a general range of a few inches to two feet below the predominately organic surface layer of soil.

All rock and moss matt samples were sent to the ALS Chemex Lab. In North Vancouver. The moss matts were dried and sieved at home and tested as sediment samples. All samples were analysed for a 33 element four acid ICP-AES and 30g Au FA-AA finish. The rock samples were Crushed Split and Pulverized, the two high 10,000+ ppm Cu rock samples were four acid ore grade assayed. The assay results are found in the APPENDIX.

Geological mapping of bedrock exposures included observations in regard to rock-type, alteration, mineralization, and structural attitudes. General and detailed features of the geology and mineralization mapped within the claims are contained in Drw.#1 fig.2.

Due to the vast area of the claim group, the sampling intervals are very random. The objective of any sampling done in and around the Group was to locate mineralization and any target areas for follow-up prospecting. (see Topo Map Fig. 2).



GENERAL GEOLOGY

The Eric Creek section of the Comox map area is principally underlain by basaltic lava of the Upper Triassic Vancouver Group, Karmutsen formation of flows, pillow, breccias, aquagene tuff, and some thin sedimentary layers. The unit is intruded by a granodiorite stock that resembles a sock in shape and is about 6 km. from heel to toe, with the top (3 km. wide) bordering a fault of the Cruickshank River about ½ km. north of the confluence with Eric Creek. Which flows from its source at Faith Lake to the west, to the east and into the Cruickshank River. (see the coloured Geology map Illustration #3).

The general course of the Cruickshank River has been determined by a north-south trending fault that extends from Mt. Joan in the south to Mt. Alexandra to the north.

There are also bodies of quartz diorite thought to be related to the Late Eocene to Early Oligocene Mount Washington Intrusive Suite (Massey, N., Personal Communication).

Alteration consists of malachite, limonite, chlorite, epidote, and silica. With significant minerals being found include chalcopyrite, pyrite, chalcocite, bornite, zinc and magnetite. Mineralization is found around the contact zone with the volcanics and within the granodiorite stock related to the Jura- Cretaceous system of the Vancouver Island Intrusives.

There are three known main showings and one minor occurrence in the general area of my claims. They are Faith Copper ,Minfile # 092F 241, Faith Lake Rim, Minfile # 092F 240 to the west, and Heather, Minfile # 092F 278 to the north-east. There is no previous knowledge of prospecting, staking, or minerals found in my claim group.

There are several areas of outcropping, in the Eric Creek valley and surrounding steep hillsides, with varying sizes of water courses within the "Drainage Basins". The local geology varies from mainly greenstone volcanics to several contacts with the quartz-diorite, granodiorite intrusive stock. Some areas have several feet of glacial till and debris filling the spaces of the host rock and creating tall bluffs of the compacted composite material .

CONCLUSION

The present geological and geochemical evidence that the local copper mineralization preferentially occurs within volcanic rocks and more specifically, within shear and fracture zones cutting them. This apparent tendency, however, does not rule out the possibility that zones of disseminated copper mineralization may occur in (altered) volcanic rocks flanking the local intrusive stock.

From my observations of the mineralization in outcrop showings and lower water course pH's, along with elevated arsenic, mercury, and manganese samples as "pathfinder" elements, the 279 ppm, 3000ppm, and up to 10,000+ppm Cu results in my assays would be good indicators that a deposit may be in the area.

Geochemical patterns within the areas provide substantive evidence of their presence and tracing some patterns to their source would prove to be a challenge. The terrane itself is a challenge for all but a mountain goat.

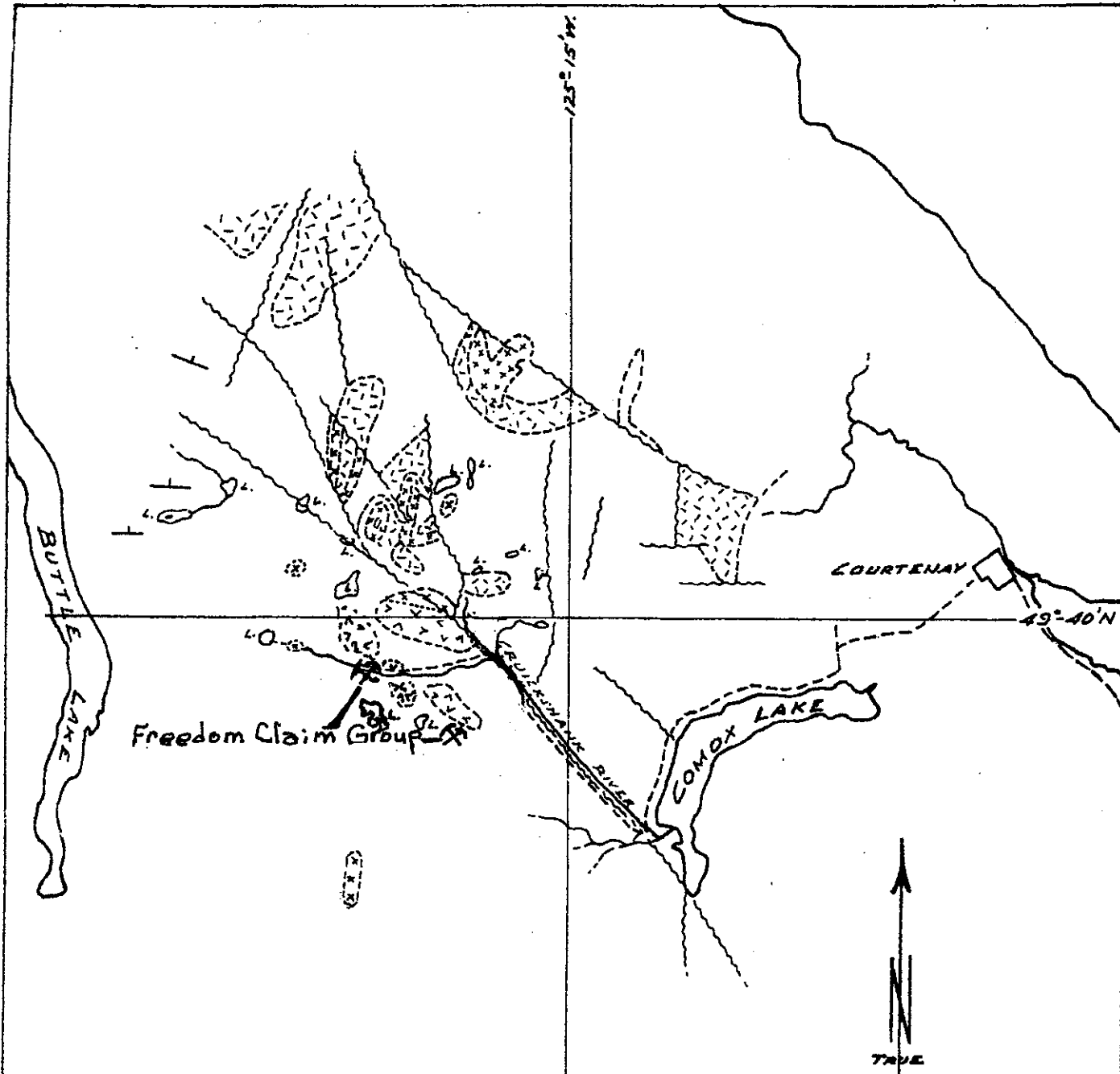
I have located four main "Target" areas that I plan to explore further with the forthcoming season, as soon as the snow melts in the high country. One target is to trace a 680 ppm Au and high arsenic result in a water course, and to expand on two areas of high Cu ppm's, and one area with elevated mercury, arsenic, Cu and Au Regional Geochemical Results.



Respectfully Submitted,

G. M. Thorsen
G. M. Thorsen, Prospector

APPENDIX



LEGEND:




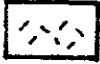

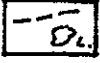
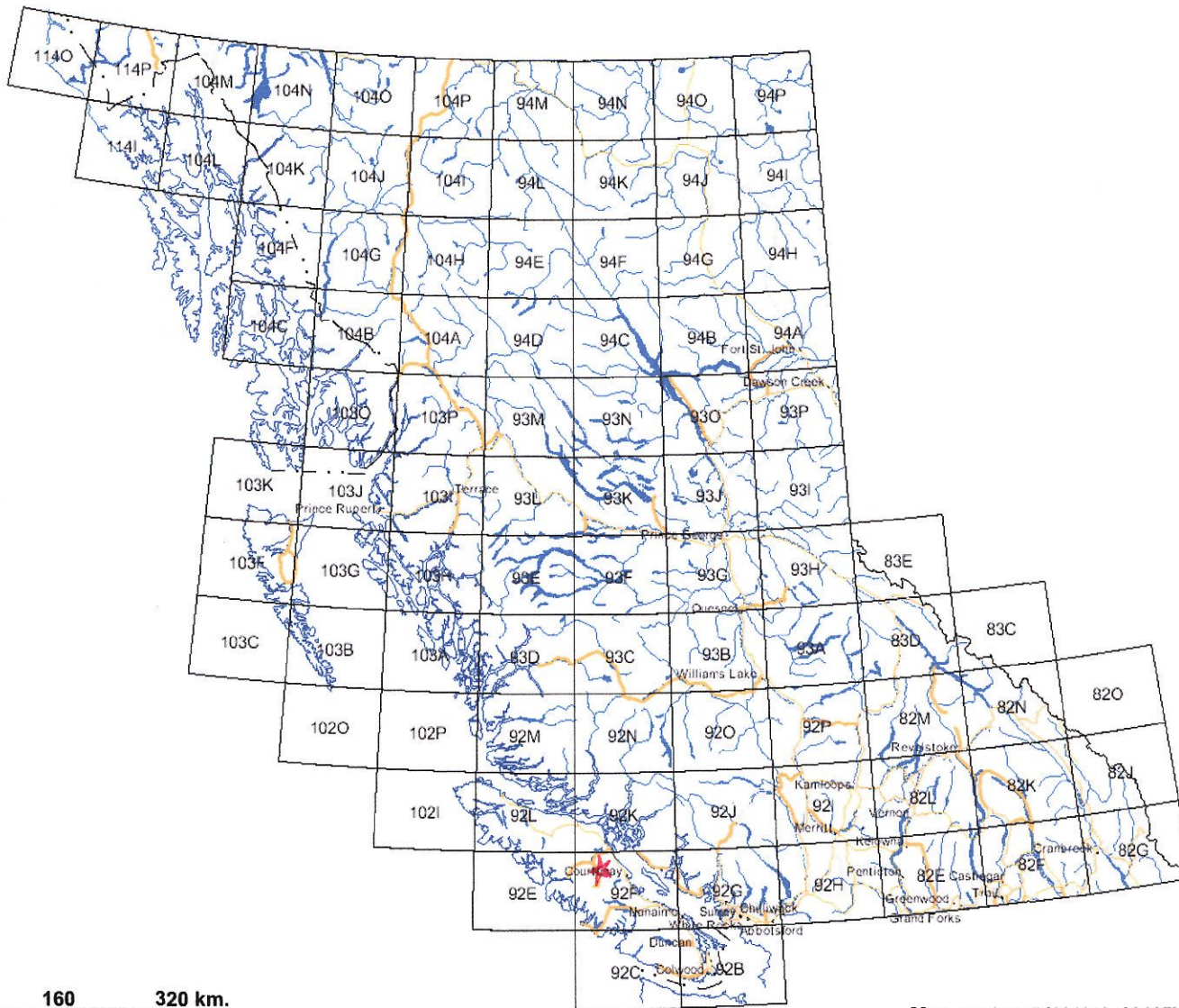
- 
 KARMUTSEN FORMATION BASALTIC VOLCANICS, INCL. LOCAL LAYER ATTITUDE.
- 
 ISLAND INTRUSIONS: GRANODIORITE, QUARTZ DIORITE, ETC.
- 
 TERTIARY INTRUSIVES: QUARTZ DIORITE, QUARTZ MONZONITE, ETC.
- 
 UPPER CRETACEOUS SANDSTONES, SHALES, ETC.
- 
 FAULT PER G.S.C. MAP 17-1968
- 
 ROAD LAKE



FIG. 1.
INDEX MAP
 AND
GENERAL GEOLOGY

FREEDOM CLAIM GROUP
 NANAIMO MINING DIVISION
 SCALE: 1 IN. = 4 MI. MAY 2009

★ Freedom Claim Location



Legend

- Provincial Boundary (1:6M)
- Boundary (International)
- Boundary (Interprovincial)
- NTS Grid
- Transportation - Lines (1:6M)
 - Road - Trunk
 - Road - Main
 - Rail Line
- Water - Lines (1:6M)
 - River/Stream - Definite
 - Lake - Definite
 - Island - Definite
 - Coastline - Definite
- Water - Polygons (1:6M)
 - River/Stream - Definite
 - Lake - Definite
- Major Cities

0 160 320 km.

Map center: 54°20' N, 126°5' W



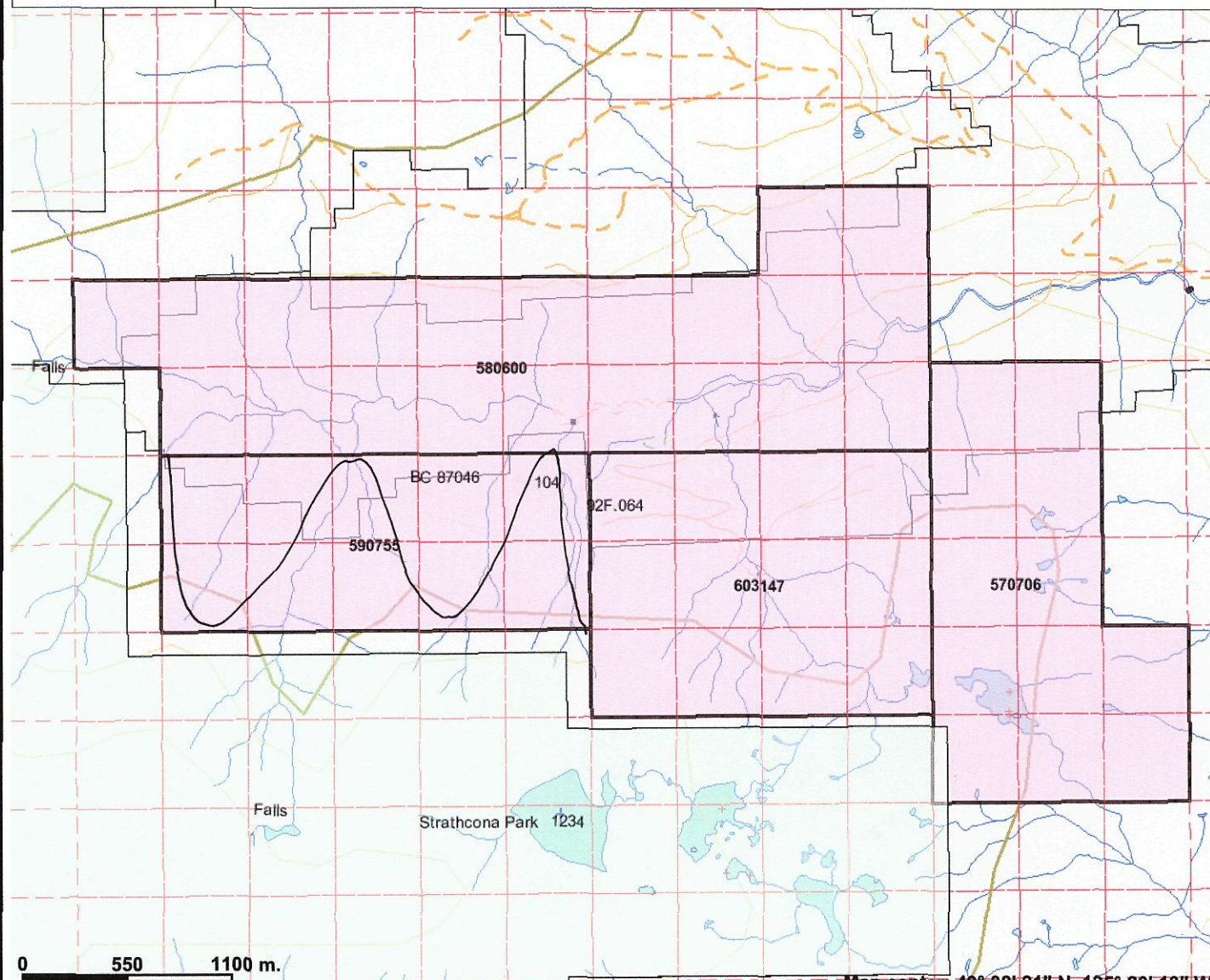
Scale: 1:9,051,719

This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Notes: Assessment Report



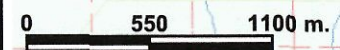
Freedom Claim Group



Legend

- Indian Reserves
- National Parks
- Parks
- MTO Grid (MTO)
- Blocked by MEM
- Other
- Mineral Tenure (current)
- Mineral Claim
- Mineral Lease
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
- No Staking Reserve
- Conditional Reserve
- Release Required Reserve
- Surface Restriction
- Recreation Area
- Others
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (1:250K)
- Contour - Index
- Contour - Intermediate
- Area of Exclusion
- Area of Indefinite Contours
- Annotation (1:20K)
- Transportation - Points (TRIM)
- Helipad
- Transportation - Lines (TRIM)
- Airfield
- Airport

Scale: 1:31,908



Map center: 49° 38' 21" N, 125° 20' 13" W

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Notes: FREEDOM Claim Group-570706, 580600, 603147



Eric Creek Valley and claim area #580600 from 18,787 ft.

Fig. 5



Photo #2 Above Moss MATT sample /gold Panning. Photo #3 Above -Magnetite with Cu + Zn



Photo #1
Author
GARY
Thorsen
Moss MATT
Sampling
Eric creek



Magnetite outcrop with Malachite cut + Zn



Assistant CHRIS NYSTROM at Oxidized
PYRITE/CHALCOPRITE vein above
ERIC CREEK

Photo #6 Same outcrop as Photo #5

3
←



Bottom



Photo #7 Author GARY THORSEN with Malachite Cu boulder

Photo #8
ERIC CREEK
VALLEY

MT. George II

MT. FRANK Castlecrag Mt.

FALLS
← ← ROAD ENDS
OLD
Landing

Taken From North Ridge of Freedom 570706

PHOTO #9

Freedom claim 570706



OLD Landing ON ERIC CREEK - WEST.

PHOTO
10



ERIC CRISK-SON LEIF THORSEN AFTER A HARD DAY OF PROSPECTING & SAMPLING

Freedom Group Au-570706,580600,603147

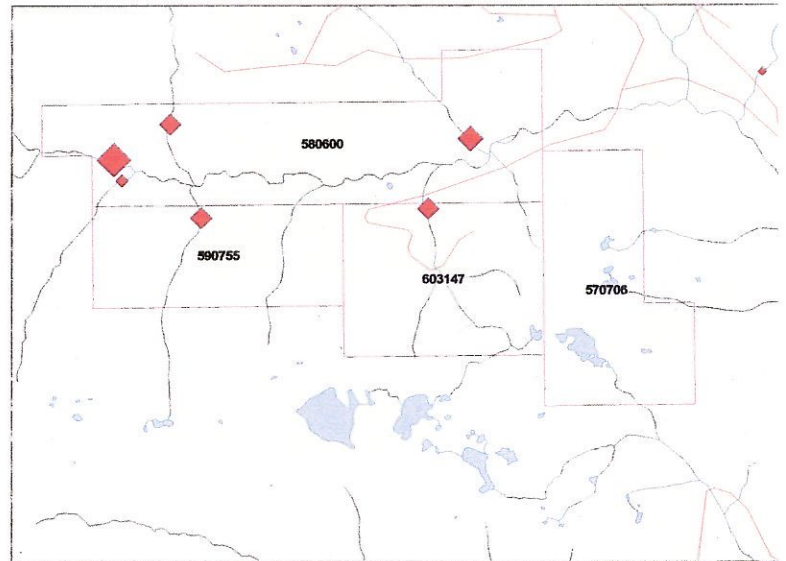
Regional Geochem Layers

- ◆ ◆ RGS - Gold by FA (1.2M)
 - ◆ 50th Percentile
 - ◆ 70th Percentile
 - ◆ 90th Percentile
 - ◆ 95th Percentile
 - ◆ Greater than 95th Percentile
 - All Others

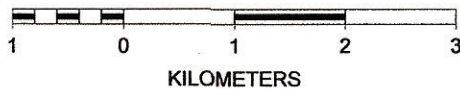
MTO Mineral Titles Layers

- □ MTO Mineral Titles Online Labels <200K
 - Coal
 - Placer
 - Mineral
 - Other

Topographic Layers



SCALE 1 : 68,436



N



Freedom Group Cu-570706,580600,603147

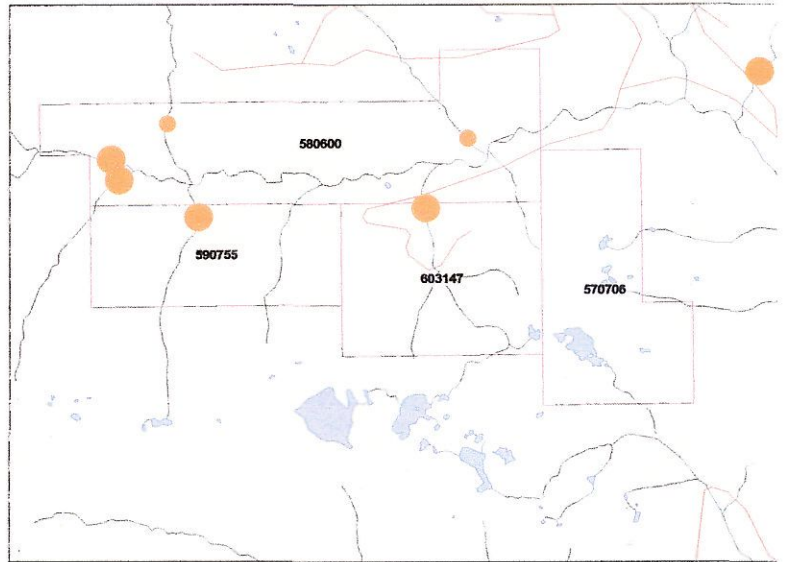
Regional Geochem Layers

- ● RGS - Copper (1.2M)
 - 50th Percentile
 - 70th Percentile
 - 90th Percentile
 - 95th Percentile
 - Greater than 95th Percentile
 - All Others

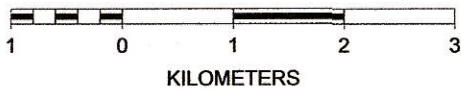
MTO Mineral Titles Layers

- □ MTO Mineral Titles Online Labels <200K
 - Coal
 - Placer
 - Mineral
 - Other

Topographic Layers



SCALE 1 : 68,436



Freedom Group Hg-570706,580600,603147

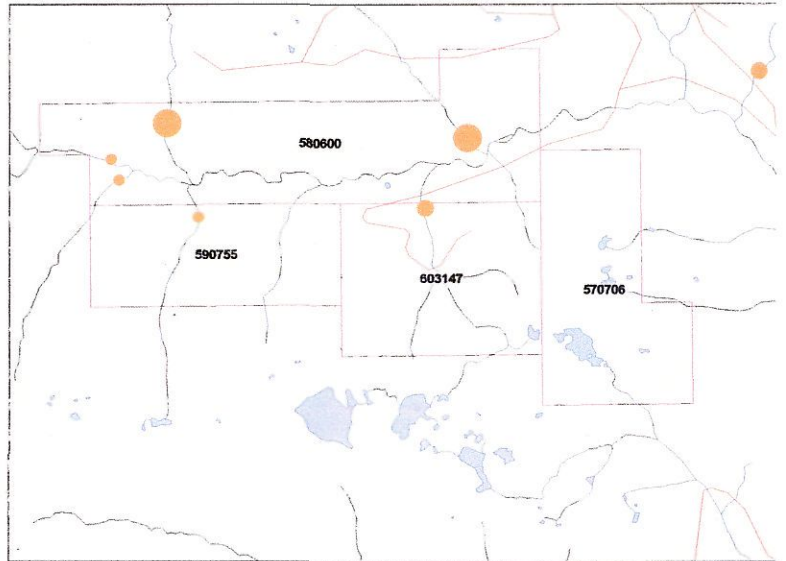
Regional Geochem Layers

- ● **RGS - Mercury (1.2M)**
 - 50th Percentile
 - 70th Percentile
 - 90th Percentile
 - 95th Percentile
 - Greater than 95th Percentile
 - All Others

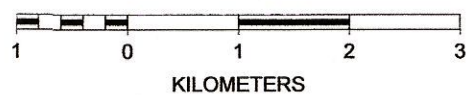
MTO Mineral Titles Layers

- □ **MTO Mineral Titles Online Labels <200K**
 - Coal
 - Placer
 - Mineral
 - Other

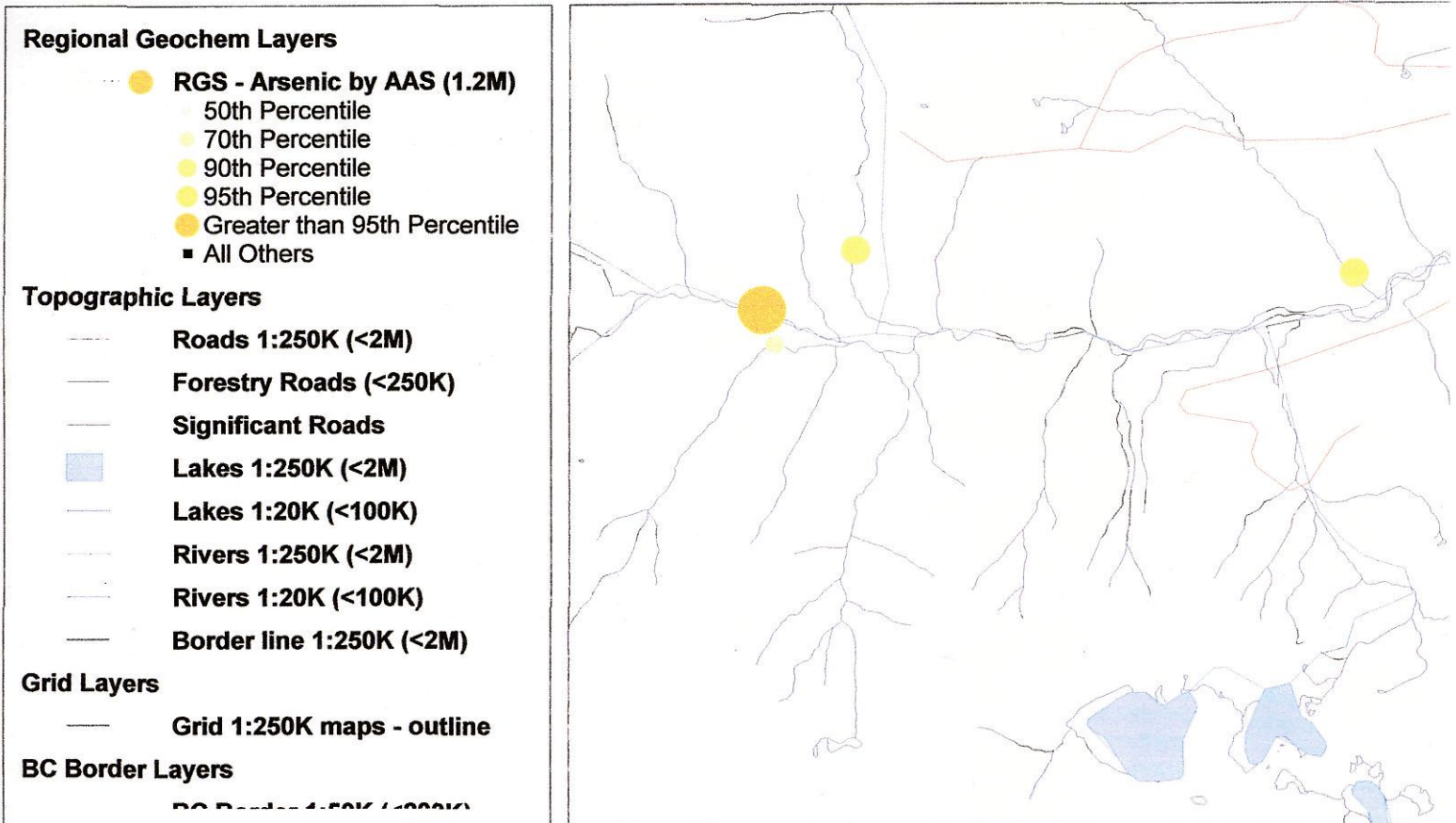
Topographic Layers



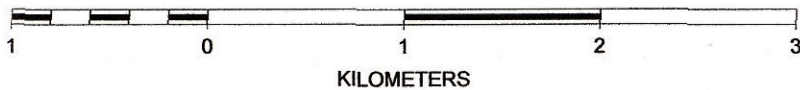
SCALE 1 : 68.436



Eric Cr. Arsenic Sampling Results



SCALE 1 : 38,830



RGS LOCS

Parks Layers

-  Provincial Parks & Protected Areas (<1M)
-  National Parks

Regional Geochem Layers

-  RGS 2007 Labels (<200K)

Topographic Layers

-  Coast 1:20K (<1M)
-  Contours west 1:20K (<100K)
-  Contours east 1:20K (<100K)
-  Lakes 1:50K (<300K)
-  Rivers 1:50K (<300K)
-  Sea


Grid Layers

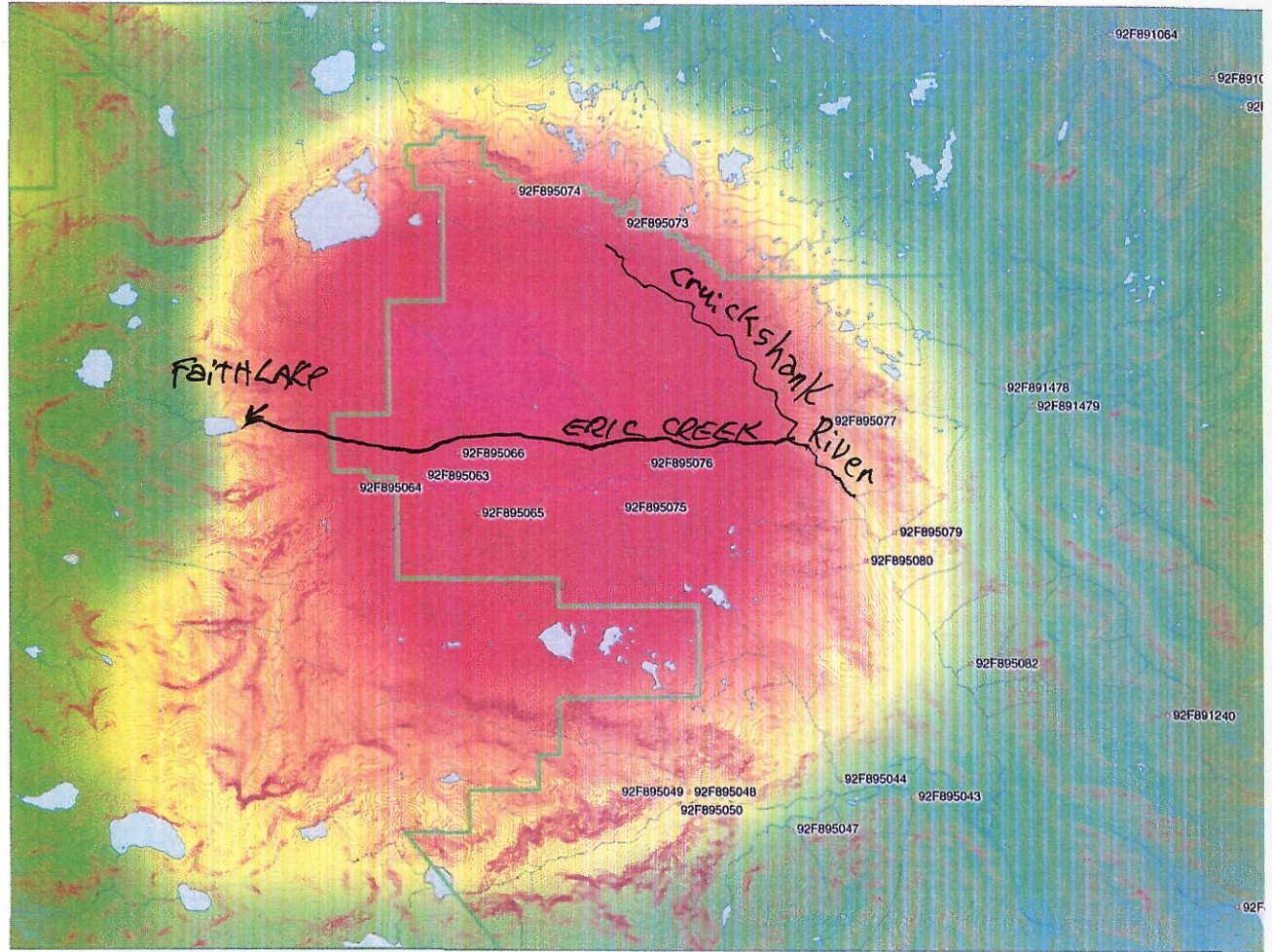
-  Grid 1:250K maps - outline

Geophysical Layers

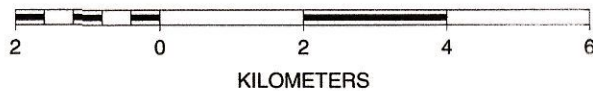
-  Aeromag (<300K)

BC Border Layers

-  BC Border 1:50K (<200K)



SCALE 1 : 104,865



*Aero Magnetic Anomaly
under the Freedom Claim Group*





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ALS Canada Ltd.

212 Brooksbank Avenue

North Vancouver BC V7J 2C1

Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: THORSEN, GARY
PO BOX 8
UNION BAY BC V0R 3B0

INVOICE NUMBER 1851648

BILLING INFORMATION

Certificate: **VA08171690**
 Sample Type: **Rock**
 Account: **THORGA**
 Date: **12-DEC-2008**
 Project: **Freedom 1 and 2**
 P.O. No.:
 Quote:
 Terms: **Due on Receipt** **C3**
 Comments:

ANALYSED FOR			UNIT	TOTAL
QUANTITY	CODE	DESCRIPTION	PRICE	
4	PREP-31	Crush, Split, Pulverize	6.55	26.20
4.30	PREP-31	Weight Charge (kg) - Crush, Split, Pulverize	0.65	2.80
4	Au-AA23	Au 30g FA-AA finish	14.15	56.60
4	ME-ICP61	33 element four acid ICP-AES	7.65	30.60
4	GEO-4ACID	Four acid "near total" dig	5.45	21.80
2	ME-OG62	Ore Grade Elements - Four Acid	2.20	4.40
2	ASY-4A01	Four acid digestion for OG62	7.65	15.30
2	Cu-OG62	Ore Grade Cu - Four Acid	2.20	4.40

SUBTOTAL (CAD) \$ 162.10

R100938885 GST \$ 8.11

TOTAL PAYABLE (CAD) \$ 170.21

To: THORSEN, GARY
PO BOX 8
UNION BAY BC V0R 3B0

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
 Bank: Royal Bank of Canada
 SWIFT: ROYCCAT2
 Address: Vancouver, BC, CAN
 Account: 003-00010-1001098

Please Remit Payments To :

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Page: 2 - A
Total # Pages: 2 (A - C)
Finalized Date: 12-DEC-2008
Account: THORGA

Project: Freedom 1 and 2

CERTIFICATE OF ANALYSIS VA08171690

Sample Description	Method	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
	Units LOR	kg	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
EMC 91208-1		1.00	0.171	3.6	2.13	17	20	1.9	<2	0.18	<0.5	104	14	>10000	41.0	20
EMC 91208-2		1.52	1.565	14.3	1.26	128	10	1.8	<2	0.11	<0.5	352	<1	>10000	41.9	20
CL 91608-1		0.80	0.033	1.0	7.73	14	100	<0.5	<2	7.91	<0.5	61	138	1810	9.93	30
CL 91608-2		0.98	0.007	<0.5	7.28	5	260	0.5	<2	6.88	<0.5	21	129	519	7.75	20



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Total # Pages: 2 (A - C)
Finalized Date: 12-DEC-2008
Account: THORGA

Project: Freedom 1 and 2

CERTIFICATE OF ANALYSIS VA08171690

Method Analyte Units LOR	ME-ICP61 K %	ME-ICP61 La ppm	ME-ICP61 Mg %	ME-ICP61 Mn ppm	ME-ICP61 Mo ppm	ME-ICP61 Na %	ME-ICP61 Ni ppm	ME-ICP61 P ppm	ME-ICP61 Pb ppm	ME-ICP61 S %	ME-ICP61 Sb ppm	ME-ICP61 Sc ppm	ME-ICP61 Sr ppm	ME-ICP61 Th ppm	ME-ICP61 Ti %
Sample Description	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	20	0.01
EMC 91208-1	0.10	<10	0.64	895	145	0.03	<1	290	8	1.87	<5	7	7	<20	0.08
EMC 91208-2	0.05	<10	0.35	568	32	0.02	<1	90	13	7.54	<5	4	9	<20	0.03
CL 91608-1	0.33	<10	2.77	1015	3	1.44	56	440	5	3.45	<5	26	194	<20	0.64
CL 91608-2	0.59	<10	2.43	1120	2	2.28	43	710	<2	0.43	<5	26	284	<20	0.67



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Page: 2 - C
Total # Pages: 2 (A - C)
Finalized Date: 12-DEC-2008
Account: THORGA

Project: Freedom 1 and 2

CERTIFICATE OF ANALYSIS VA08171690

Sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	Cu-OG62
		Ti	U	V	W	Zn	Cu
		ppm	ppm	ppm	ppm	ppm	%
		10	10	1	10	2	0.001
EMC 91208-1		<10	10	77	120	116	1.240
EMC 91208-2		<10	10	45	130	111	5.70
CL 91608-1		<10	10	232	<10	96	
CL 91608-2		<10	10	212	<10	92	



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To: THORSEN, GARY
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INVOICE NUMBER 1851649

BILLING INFORMATION	
Certificate:	VA08171691
Sample Type:	Sediment
Account:	THORGA
Date:	10-DEC-2008
Project:	Freedom 1 and 2
P.O. No.:	<i>Mass Math</i>
Quote:	<i>Eric Creek</i>
Terms:	Due on Receipt C3
Comments:	

ANALYSED FOR			UNIT	
QUANTITY	CODE	DESCRIPTION	PRICE	TOTAL
1	BAT-01	Administration Fee	30.00	30.00
2	PREP-41	Dry, Sieve (180 um) Soil	1.35	2.70
0.78	PREP-41	Weight Charge (kg) - Dry, Sieve (180 um) Soil	2.20	1.72
2	Au-AA23	Au 30g FA-AA finish	14.15	28.30
2	ME-ICP61	33 element four acid ICP-AES	7.65	15.30
2	GEO-4ACID	Four acid "near total" dig	5.45	10.90

SUBTOTAL (CAD) \$ 88.92

R100938885 GST \$ 4.45

TOTAL PAYABLE (CAD) \$ 93.37

To: THORSEN, GARY
 PO BOX 8
 UNION BAY BC V0R 3B0

Payment may be made by: Cheque or Bank Transfer

Beneficiary Name: ALS Canada Ltd.
 Bank: Royal Bank of Canada
 SWIFT: ROYCCAT2
 Address: Vancouver, BC, CAN
 Account: 003-00010-1001098

Please Remit Payments To :
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 Account: THORGA

Project: Freedom 1and 2

CERTIFICATE OF ANALYSIS VA08171691

Sample Description	Method Analyte Units LOR	WEI-21	Au-AA23	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
		Recvd Wt.	Au	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga
		kg	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	
		0.02	0.005	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01	10
EMM 9908-1		0.30	0.012	<0.5	7.58	36	140	0.5	<2	4.56	<0.5	34	152	139	7.82	20
EMM 9908-2		0.48	0.006	<0.5	7.44	23	90	<0.5	<2	5.55	<0.5	36	205	164	8.03	20



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Project: Freedom 1 and 2

CERTIFICATE OF ANALYSIS VA08171691

sample Description	Method Analyte Units LOR	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	
		K %	La ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	S %	Sb ppm	Sc ppm	Sr ppm	Th ppm	Ti %
		0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	20	0.01	
EMM 9908-1		0.54	<10	3.07	1340	<1	1.53	55	940	7	0.06	<5	31	215	<20	0.79
EMM 9908-2		0.30	<10	3.70	1230	<1	1.64	74	500	8	0.03	<5	34	201	<20	0.92



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Total # Pages: 2 (A - C)

Finalized Date: 10-DEC-2008

Account: THORGA

Project: Freedom 1and 2

CERTIFICATE OF ANALYSIS VA08171691

Sample Description	Method	ME-JCP61	ME-JCP61	ME-JCP61	ME-JCP61	ME-JCP61
	Analyte	Ti	U	V	W	Zn
	Units	ppm	ppm	ppm	ppm	ppm
	LOR	10	10	1	10	2
EMM 9908-1		<10	<10	273	<10	108
EMM 9908-2		10	<10	322	<10	110