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BC Geological Survey  
Assessment Report  
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**PROSPECTING & TECHNICAL REPORT**

Tenure #563870 - KLASKINO 3

Nanaimo Mining Division  
Vancouver Island B.C.

NTS 92L/5

UTM  
587098 5571255

September 15, 2008

Vincent John Buddick  
FMC #205212

TITLES DIVISION, MINERAL TITLES  
VICTORIA, BC  
  
SEP 29 2008  
  
FILE NO. \_\_\_\_\_  
LOG IN NO. \_\_\_\_\_

Report By:  
Vincent John Buddick  
North Island Exploration



BC GEOLOGICAL SURVEY BRANCH  
ASSESSMENT REPORT

30,215

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## **Introduction**

This report details the technical work carried out on tenure #563870 - KLASKINO 3. The tenure originally consisted of 24 cells or 496 hectares and was staked on July 30, 2007. It has been reduced to 20 cells. The tenure is 100% owned by myself, Vincent John Buddick, FMC #205212. This was the first year I have owned the claim. A project of general reconnaissance, prospecting and mapping was performed on May 8-9 and July 14-15, 2008. Approximately 40 hectares was examined in this initial quest. 24 hours of field work was recorded when the project completed.

## **Location**

The tenure is situated on traditional lands of The Quatsino First Nations. A letter of intention was sent to their respective band office, describing the nature of planned projects.

Located on northwest Vancouver Island, NTS grid 92L/5, it can be accessed with a high clearance vehicle via Highway 19/Port Alice Highway/South Road/Marine Drive/Teeta Main/K Main/I Main/J Main/B Main/Klaskino Main. Driving Distance from Port Alice to the tenure boundary is 104 kms. A camp was set up 14 kms away on Klaskino Inlet.

Klaskino Road accesses only a small portion of the northwest corner and is the only driveable road on the tenure. All other mapped roads and spurs have become densely overgrown with alders. Access from these spurs is quite labourious, but does allow for inspection of outcrop.

Three maps illustrate the reduced tenure location in 1:250,000, 1:50,000 and 1:20,000 scales. See figures 1, 2 and 3.

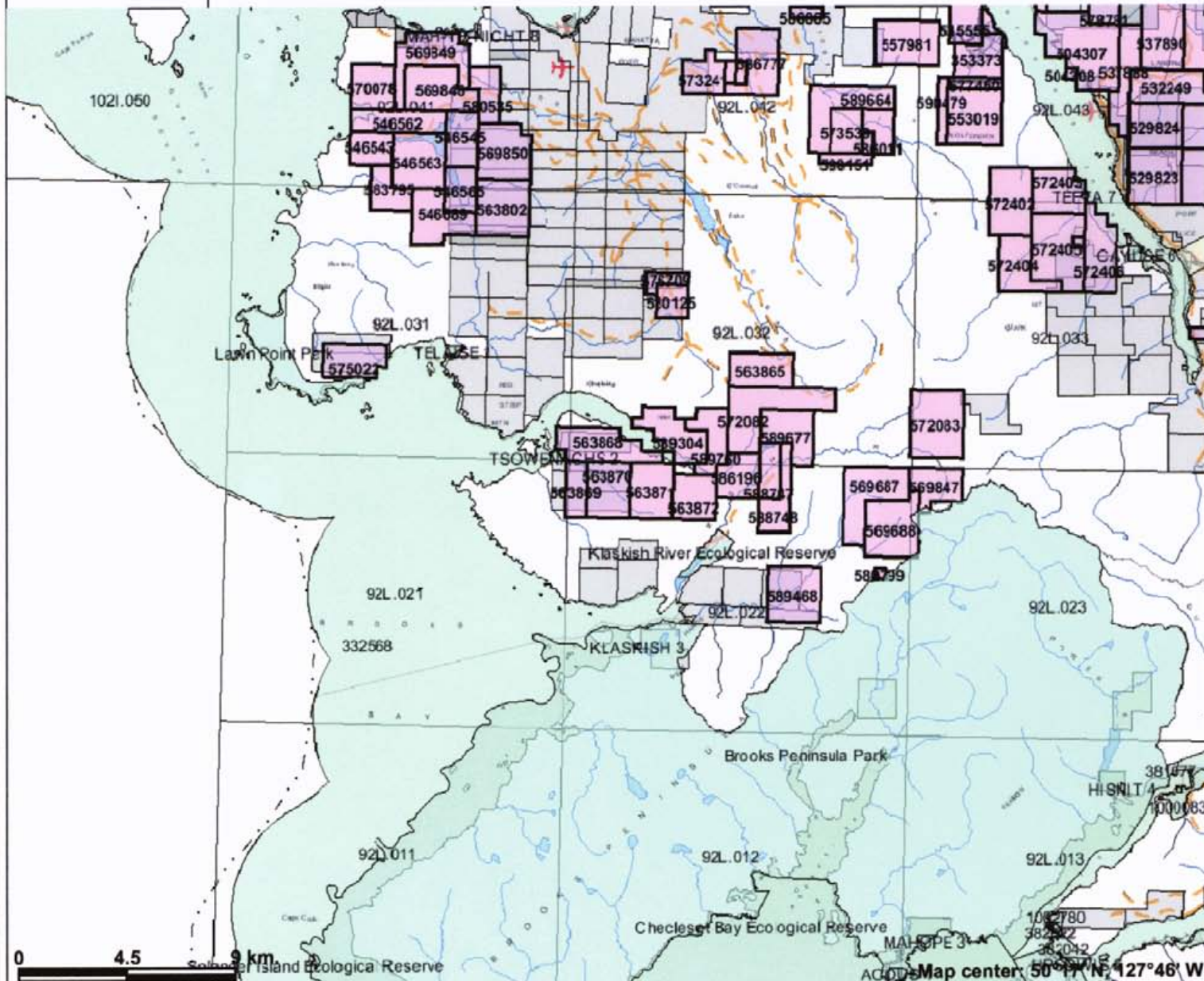
## **Topography, Vegetation and Climate**

The topography consists of moderately steep mountainous terrane. Elevations rise from 50m along the main creek, to 700m at the highest point. Numerous small creeks drain into a major northwest flowing creek which drains into Klaskino Inlet. The area has been logged in the lower elevations and is in various stages of regeneration. The higher elevations remain in virgin timber. A TFL license covers the majority of the tenure.

Vegetation is typical of a clear-cut logged area. This area had been logged in various stages in recent history and the secondary growth is relatively young. It was challenging to traverse around the remnant logs. The extremely thick alder growth on the logging roads can hinder access equally. In some areas a traverse thru the second growth, parallelling the densely overgrown logging road, proved the safer and more efficient route.

The area is in direct proximity to the Pacific Ocean and receives above average west coast rainfalls from October thru March. Rainfall readings taken at the campsite in late April showed amounts up to 4cm daily.

# KLASKINO3 - 1:250,000



## Legend

- Indian Reserves
- National Parks
- Parks
- Mineral Tenures (Mineral - LRDW)
- Mineral Claim
- Mineral Lease
- Survey Parcels
- Annotation (1:250K)
- Transportation - Lines (1:250K)**
- Ferry Route
- Aerial Cableway
- Road (Gravel Undivided) - 1 Lane
- Road (Gravel Undivided) - 3 Lanes
- Road - Paved lanes.2or More.Divided
- Road (Paved Undivided) - Not Elevated - 1 Lane
- Road (Paved Undivided) - Not Elevated - 2 Lanes
- Road - Paved lanes.3or More.Undivided
- Road (Unimproved)
- Road - Loose.access Dry Weather
- Road (Winter Road)
- Road - Paved lanes.2.Undivided
- Road - Paved lanes.2.Undivided.U/C
- Road - Paved.Divided.access.Non Standard
- Track - Cart/Tractor
- Causeway (Railway)
- Cut (Roadway)
- Trail
- Tunnel
- Bridge
- Rail Line - Narrow Gauge - Single Track
- Rail Line (Multiple Track)
- Rail Line (Single Track)



Notes:  
Page 2  
Figure 1

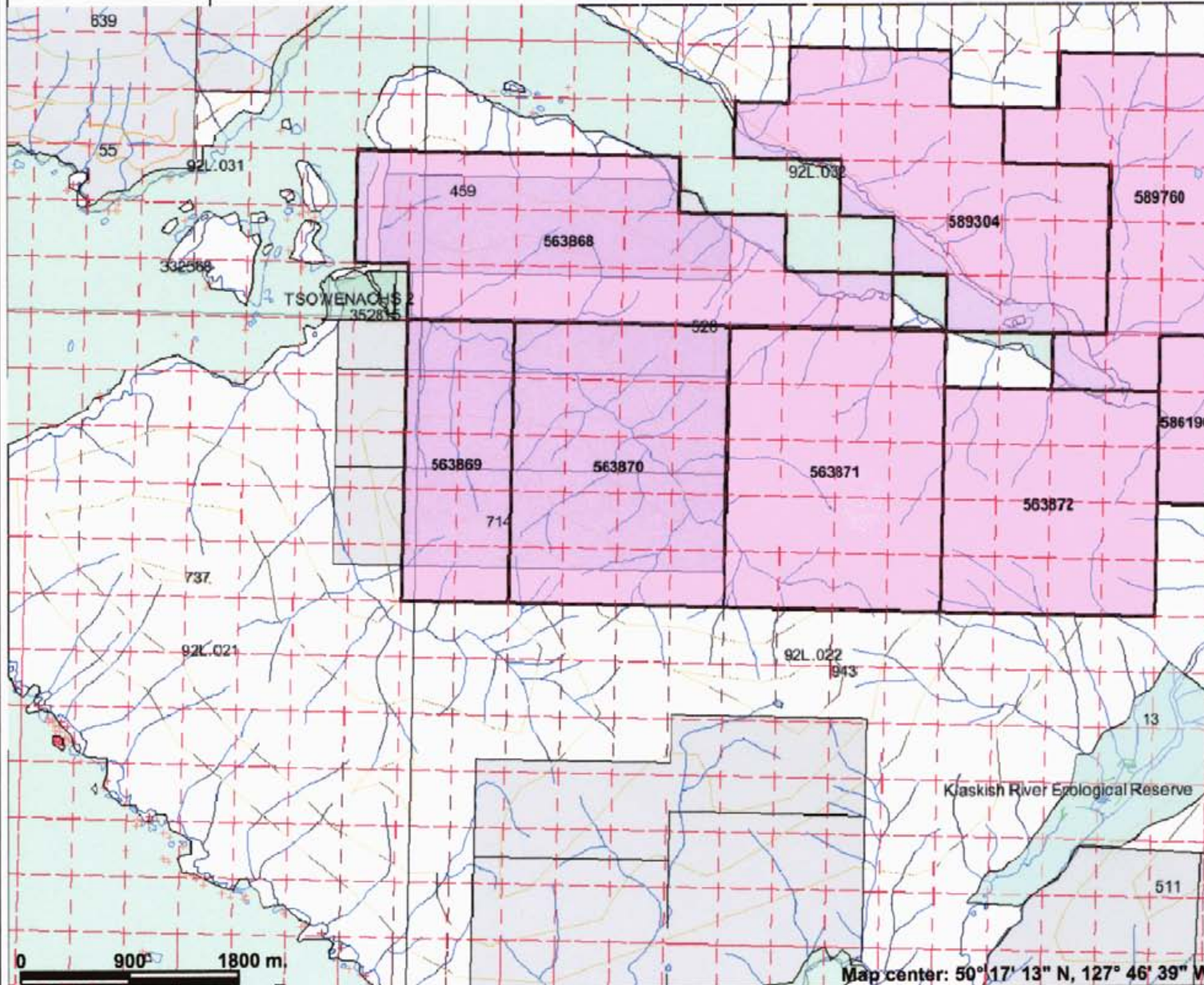
This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Map center: 50° 17' N, 127° 46' W



Scale: 1:250,000

# KLASKINO3 - 1:50,000



## Legend

- Indian Reserves
- National Parks
- Parks
- Mineral Tenures (Mineral - LRDW)**
- Mineral Claim
- Mineral Lease
- Survey Parcels
- Water - Water Bodies (EBM)**
- Mine - Tailing Pond
- Lake - Definite
- Reservoir - Definite
- Major Cities



Scale: 1:50,000

Map center: 50° 17' 13" N, 127° 46' 39" W

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:  
Page 3  
Figure 2

# KLASKINO3 - 1:20,000

TSCWENACHS 2  
352215

92L.032  
563868

528

563869

563870

563871

92L.02

714

92L.022

943

0 350 700 m.

Map center: 50° 17' 13" N, 127° 46' 39" W



## Legend

- Indian Reserves
- National Parks
- Parks
- Mineral Tenures (Mineral - LRDW)**
- Mineral Claim
- Mineral Lease
- Survey Parcels
- Water - Water Bodies (EBM)**
- Mine - Tailing Pond
- Lake - Definite
- Reservoir - Definite
- Water - Ocean (EBM)
- Major Cities



Scale: 1:20,000

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:  
Page 4  
Figure 3

## History

ARIS 11226: In 1982 BP Minerals showed interest in the Klaskino area. A project involving geological mapping, stream and soil geochemical testing and rock chip sampling was conducted on the north and south shore of Klaskino Inlet. Resulting geochemistry suggested the widespread distribution of arsenic bearing minerals with local associations of gold, silver, copper, mercury and antimony. Further work was deemed to be warranted based on the potential for an epithermal gold mineralization.

## Geology

Vancouver Island belongs to the Insular Tectonic Belt, the westernmost subdivision of the Canadian Cordillera. Wrangellia, *an accreted oceanic plateau* (Green Andrew R., et al), forms the dominant terrane. See figure 4, Distribution of Wrangellia.

*The Wrangellia Terrane is a complex and variable terrane that extends from Vancouver Island to central Alaska. Wrangellia is most commonly characterized by widespread exposures of Triassic flood basalts and complementary intrusive rocks (Jones et al., 1977). Triassic flood basalts extend in a discontinuous belt from Vancouver and Queen Charlotte Islands (Karmutsen Formation), through southeast Alaska and the Kluane Ranges in southwest Yukon, and into the Wrangell Mountains and Alaska Range in east and central Alaska (Nikolai Formation). This belt of flood basalt sequences has distinct similarities and is recognized as representing a once-contiguous terrane (Jones et al., 1977).*

*Wrangellia has a long and diverse geologic history spanning much of the Phanerozoic. On Vancouver Island, the oldest rocks of Wrangellia, which lie at the top of an imbricated stack of northeast-dipping thrust sheets (Monger and Journeay, 1994), are Late Silurian to Early Permian arc sequences (Muller, 1980; Brandon et al., 1986; Sutherland Brown et al., 1986). In the Late Triassic, rapid uplift associated with a rising plume head lead to eruption of voluminous flood basalts as part of an extensive oceanic plateau (Richards et al., 1991). As volcanism ceased, the oceanic plateau soon began to subside and accumulate deep-water carbonate sediments (Jeletzky, 1970; Carlisle and Suzuki, 1974). Sedimentation within the Wrangellia Terrane lasted until the Early Jurassic, when the resurgence of arc volcanism developed in response to subduction, forming the Bonanza arc (Armstrong and MacKevett, 1977; DeBari, 1999).*

*The enormous exposures of the Karmutsen appear to represent a single flood basalt event (Richards et al., 1989). A mantle plume initiation model has been proposed for the Wrangellia flood basalts based on (1) relatively limited geochemical data, (2) the nature of the underlying and overlying formations, (3) rapid uplift prior to volcanism, (4) the lack of evidence of rifting associated with volcanism and (5) the short duration and high eruption rate of volcanism (Richards et al., 1991). The basalt flows are estimated to have erupted a minimum volume of  $1 \times 10^6 \text{ km}^3$  (Panuska, 1990) within a maximum of five million years (Carlisle and Suzuki, 1974).*



*During the 80 million years or so between arc activity and emergence of oceanic plateau flood basalts, as the continents gathered into a great landmass, Wrangellia became part of a composite terrane (Plafker et al., 1989). By the Middle Pennsylvanian, Wrangellia may have joined with the Alexander Terrane (Gardner et al., 1988) or been in close proximity (stratigraphic continuity) with the Alexander Terrane (Yorath et al., 1985). The ocean-bound Wrangellia Terrane amalgamated with the Taku Terrane of southeast Alaska and the Peninsular Terrane of southern Alaska by as early as the Late Triassic (Plafker et al., 1989). Paleomagnetic and faunal evidence indicate the Wrangellia Terrane originated far to the south of its present position (Hillhouse, 1977; Yole and Irving, 1980; Hillhouse et al., 1982; Hillhouse and Gromme, 1984). Wrangellia accreted to the North American craton by the Late Jurassic or Early Cretaceous (Monger et al., 1982; Tipper, 1984; Plafker et al., 1989; Gehrels and Greig, 1991; van der Heyden, 1992; Monger et al., 1994.*

The regional geology consists of two thick volcanic/sedimentary cycles. The first is the Vancouver Group of Triassic age consisting of Karmutsen volcanics, Parson Bay and Quatsino limestones. Secondly the Bonanza Group volcanics of Lower Jurassic age. These packages are intruded by the Island Intrusives of the Middle Jurassic age, see figure 5, Regional Mesozoic-Cenozoic Stratigraphy of Northern Vancouver Island (modified after Muller, et al. 1974, 1981). The area was mapped for the GSC in 1974 by Muller, Northcote and Carlisle.

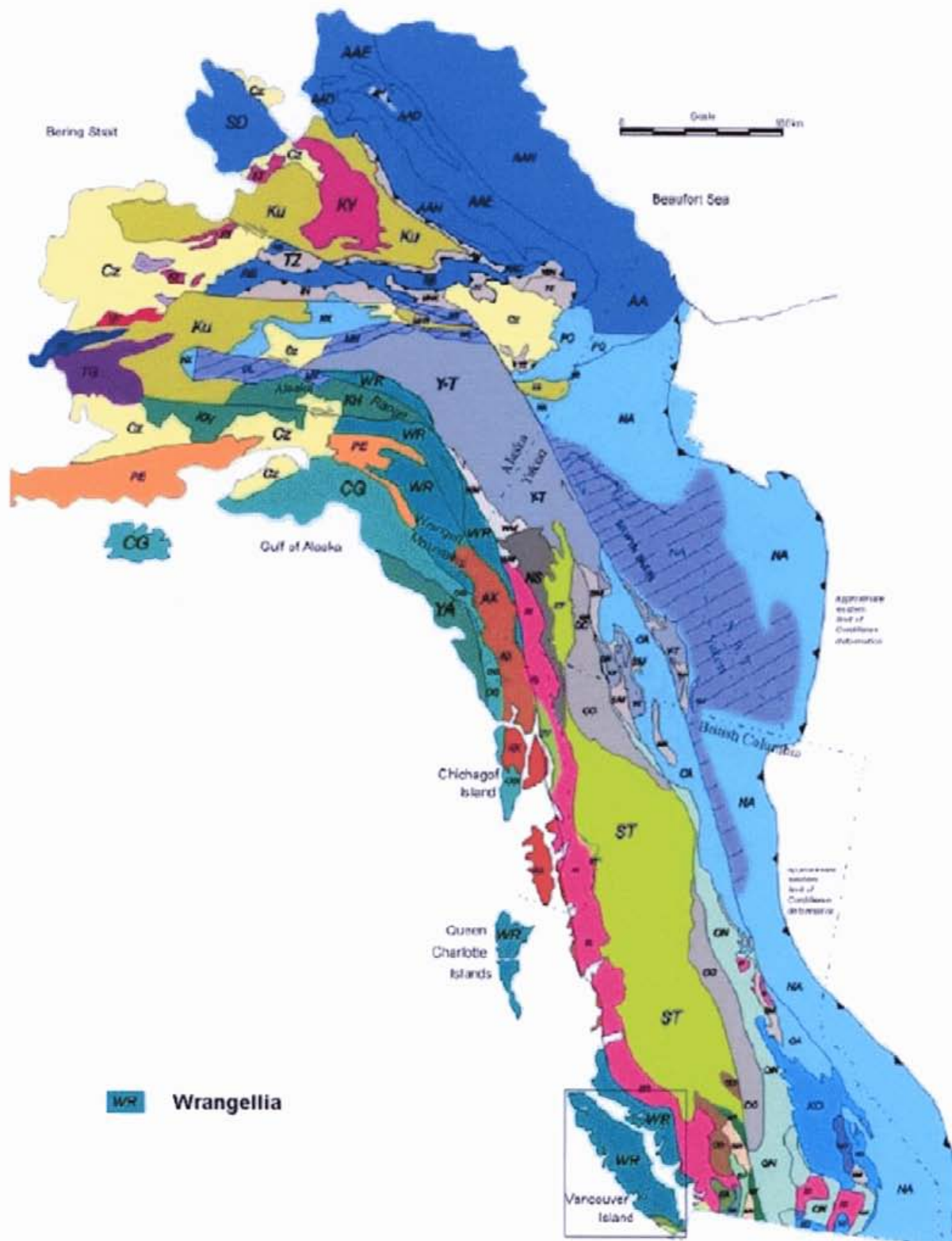
Local geology consists of Karmutsen volcanics, Bonanza volcanics and Parson Bay limestone, see figure 6, KLASKINO 3 - Local Geology. This map shows the Mineral Titles On-line grid transposed on the Digital Geology Map of British Columbia, January 2005, N.W.D. Massey, et al.

The central and south portion of the tenure is overlain by a raised fault-bounded block of Parson Bay limestone, possibly a small horst feature. This relates to the anomalous Vancouver Group uplift of the area within a 7km radius. A large gneissic body may form the basement and outcrops 7kms south, forming the Brooks Peninsula.

Vancouver Island has numerous highly mineralized areas. Strongly mineralized zones are known to exist in the northwest area of the island. Five specific deposit types are found:

- 1) Porphyry copper-molybdenum deposits
- 2) Copper-iron-gold skarns
- 3) Base metal skarns
- 4) Copper bearing quartz veins and shear zones ( with precious metals )
- 5) Epithermal gold deposits

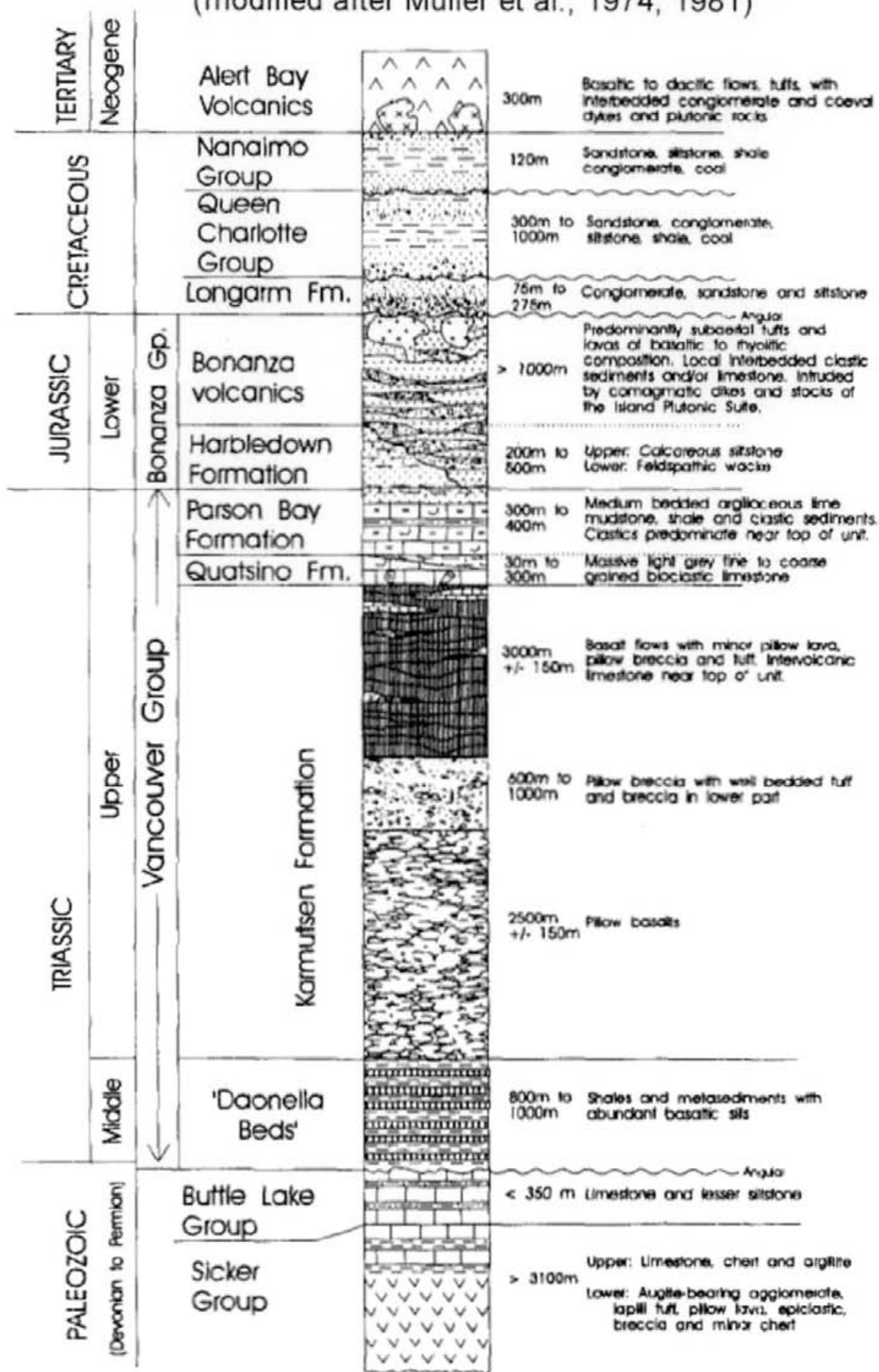
Figure 4  
**Distribution of Wrangellia**

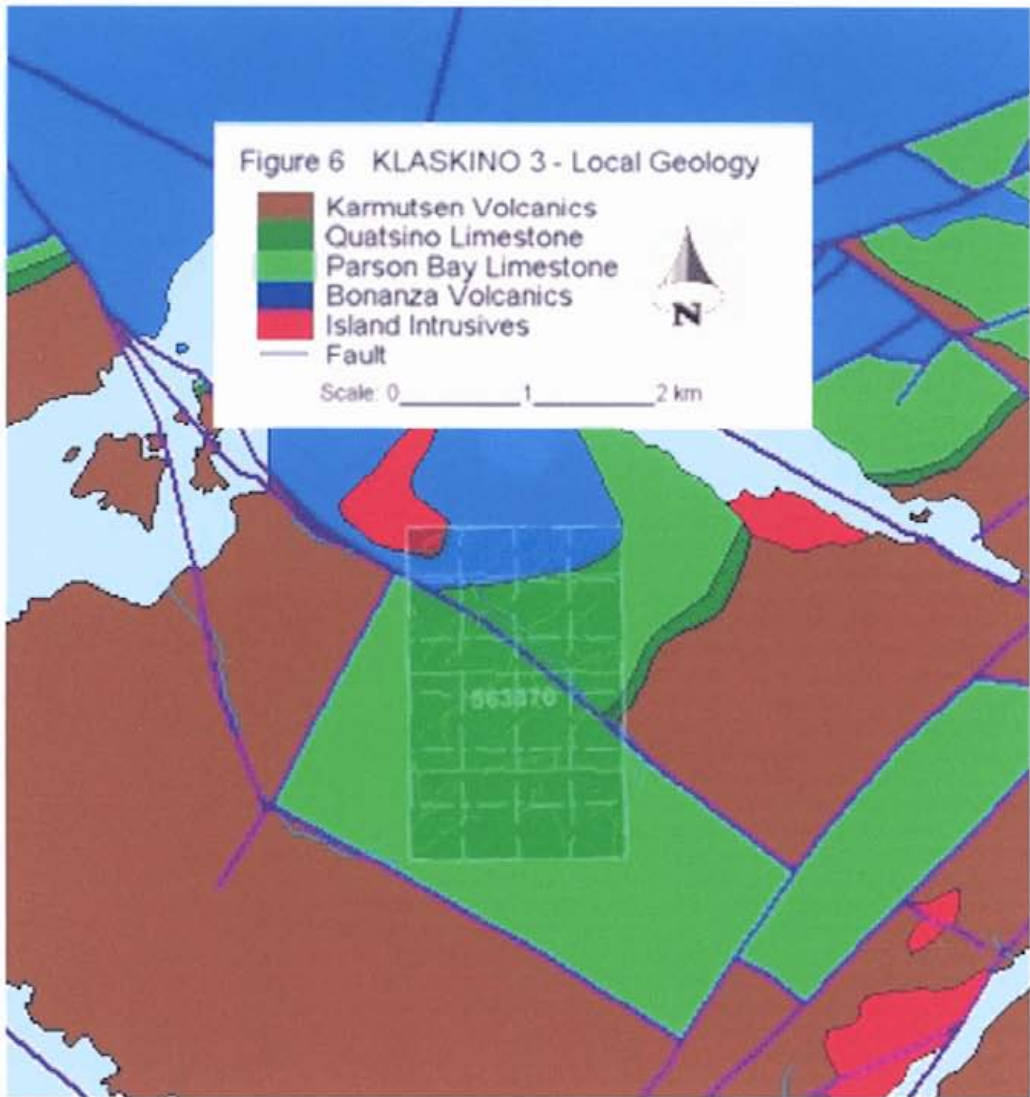


Terrane map of western Canada and Alaska (modified after Wheeler et al. [1991]) showing the distribution of the Wrangellia Terrane (WR) in British Columbia, the Yukon and Alaska.

Figure 5

Regional Mesozoic - Cenozoic Stratigraphy of Northern Vancouver Island  
(modified after Muller et al., 1974, 1981)





## Summary of Work

This initial project of general reconnaissance, prospecting, rock chip sampling and mapping focussed on gaining a general understanding of the tenure. A stop and go vehicle method was used along Klaskino Road. All other roads were unnavigable by vehicle and were hiked. Outcrop in road-cut along with notable areas of talus and float were inspected. Traverses targeting exposed outcrop were completed in a few safe locations. Numerous smaller creeks were partially inspected. A full day was spent inspecting a major creek. All study areas, outcrops and areas of interest were mapped and stored as GPS waypoints. 7 samples were collected for further study. Rock samples were sent in for analysis from 2 locations. All data was recompiled and hand drawn on 1:5,000 maps, which are keyed into a main mapping grid. See figures 7 - 10.

## Notes on Mapping

Note 1: Minor amounts of pyrite and chalcopyrite hosted in light grey, fine textured volcanic inter-bed.

Note 2: Minor amounts of pyrite noted in dark grey to black limestone. Small flecks and cubes less than .5mm, in numerous outcrops.

Note 3: Pyrite and lesser chalcopyrite noted in siliceous medium gray, medium textured volcanic. Small flecks less than .5mm, associate with calcite veins and veinlets in a heavily skarned area.

## Notes on Rock Sampling

Rock samples collected during field projects are placed in clean plastic snap-tight containers and labelled on-site. The specimens are further studied and stored at the office. Specimens chosen for lab analysis are weighed and divided in 2 with one half prepared for analysis the other half stored for future study, field recognition or retesting. Some more notable samples are photographed. Analysis samples are placed in numbered kraft paper envelopes and packaged for shipment.

Samples were delivered to ACME Analytical Laboratories (Vancouver), and tested for 37 elements using the 1FMS analytical package, 30gm sample. Rock samples are crushed, split and pulverised to 200 mesh, then processed using the Aqua Regia digestion and Ultratrace ICP-MS analysis procedure.

RD001: Hosted in black limestone. Visual sulphides 90% pyrite 10% chalcopyrite, in fractures up to 1.5mm and dissemination, may represent 10% of total sample. Lab results show no anomalies.

RD002: Hosted in black limestone. Visual sulphides 90% pyrite 10% chalcopyrite, in fractures up to 1.5mm and dissemination, may represent 10% of total sample. Lab results show anomalies in **Mo (3.11ppm) and Cu (272ppm)**.

## **Conclusion**

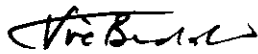
The tenure has only been partially explored. The results of this year's project are encouraging. The black layer of limestone hosts minor amounts of mineralization in almost all outcrop noted. Possibility could exist for a skarn.

Future plans include further reconnaissance, prospecting and mapping. Traverses which were plotted this year will be incorporated into the next phase of ground work.

**Author's Qualification**

I, Vincent John Buddick, of 1508 Marina Way, Nanoose Bay, British Columbia, hereby certify;

- 1) I have completed the British Columbia Institute of Technology, Introduction to Prospecting and Exploration course, in two parts; mine 1003/spring 2007 and mine 1004/fall 2007.
- 2) I have been physically prospecting for 2 years
- 3) I am the sole owner of North Island Exploration, 1508 Marina Way, Nanoose Bay, British Columbia, and currently hold 100% interest in the tenure.



---

Date: Sept. 15, 2008

Vince Buddick,  
Prospector

## References

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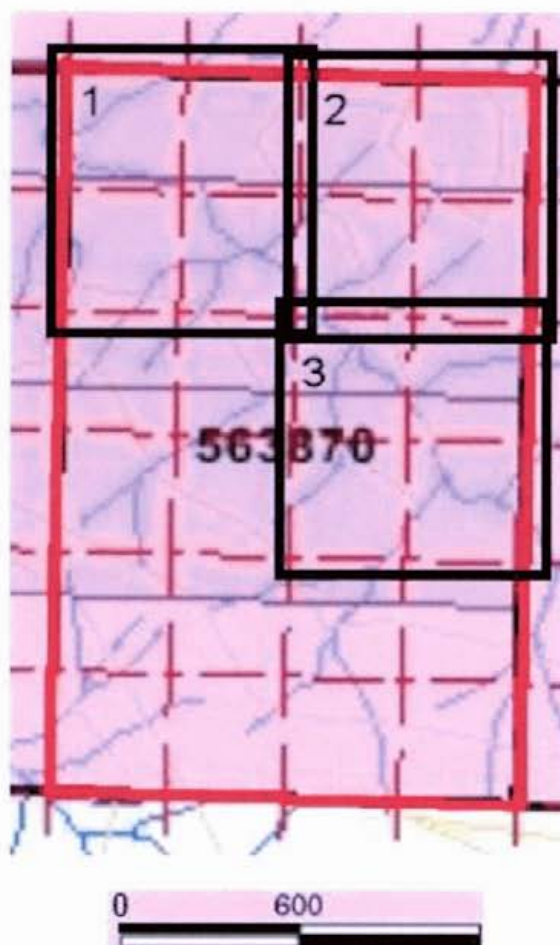
## **Software Programs**

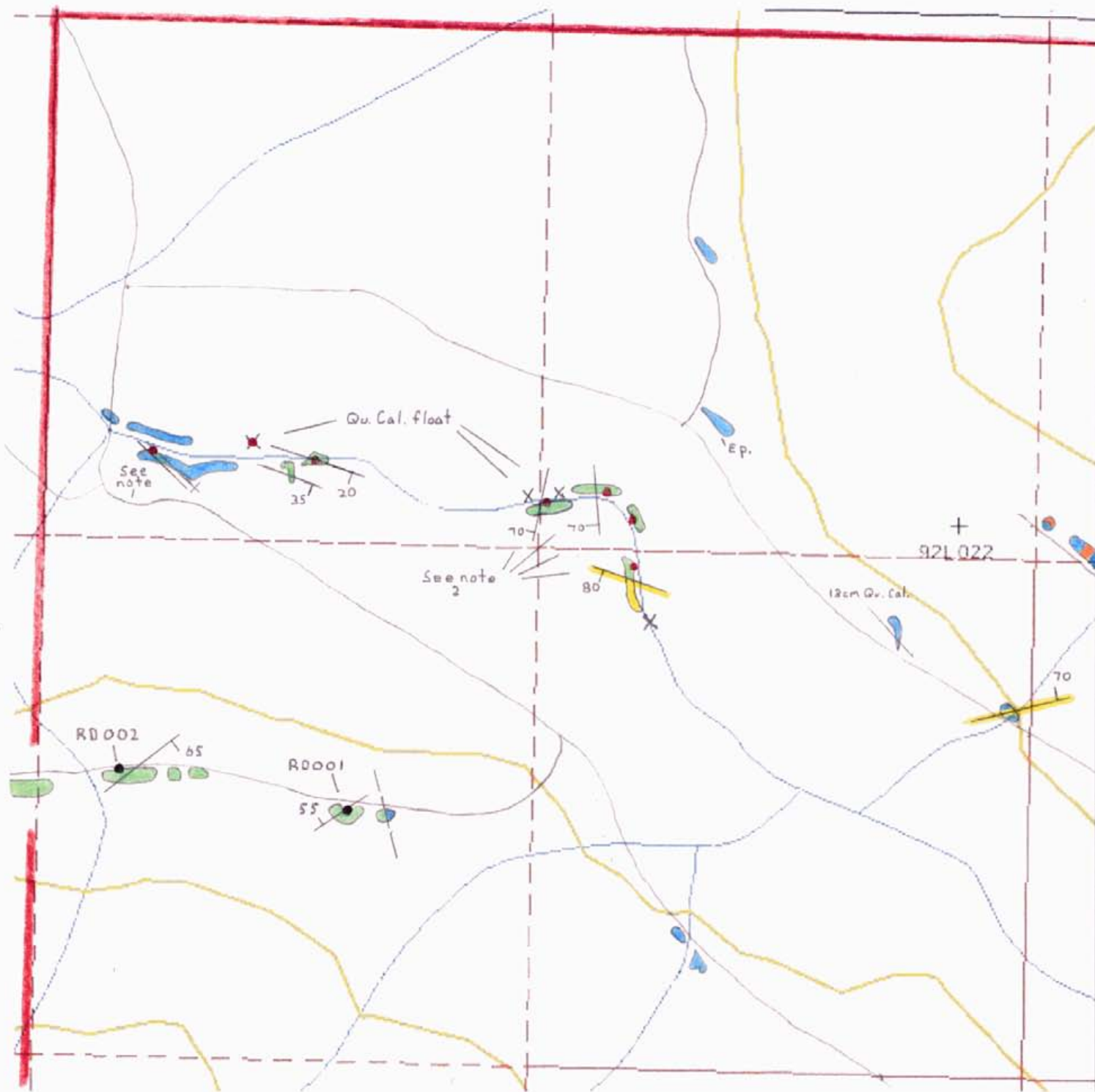
Software programs used in prospecting and map creation.

- 1) Adobe Reader/7.0
- 2) ArcExplorer/2.0
- 3) Arcsoft/Photoimpression 2000
- 4) Garmin/MapSource/6.11.6
- 5) GoogleEarth/4.0.2091
- 6) Hewlett-Packard/Photo Imaging Software/2.5.0.1
- 7) Kodak/EasyShare/6.4.0.100
- 8) Microsoft/Excel 2000/9.0.2720
- 9) Microsoft/Paint/5.0
- 10) PowerArchiver 2004/9.10.06
- 11) TopoCanada/v2/2.00
- 12) Wordperfect10/10.0.0.518

Figure 7

KLASKINO 3 - Mapping Grid





## Legend

### Topographical Symbols

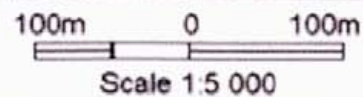
Road	
Creek	
Elevation Contours	
Claim Boundary	
Waterfalls/Rapids	
Cliffs	

### Geological Symbols

Outcrop	
Contact/Bedding/Dike	
Approximate	
Float/Talus	
Rock Sample Location	

### Geology

Karmutsen Volcanics	
Quatsino Limestone	
Parson Bay Limestone	
Bonanza Volcanics	
Island Intrusives	
Dikes	
Skam	
Sulphides	



Page # 18

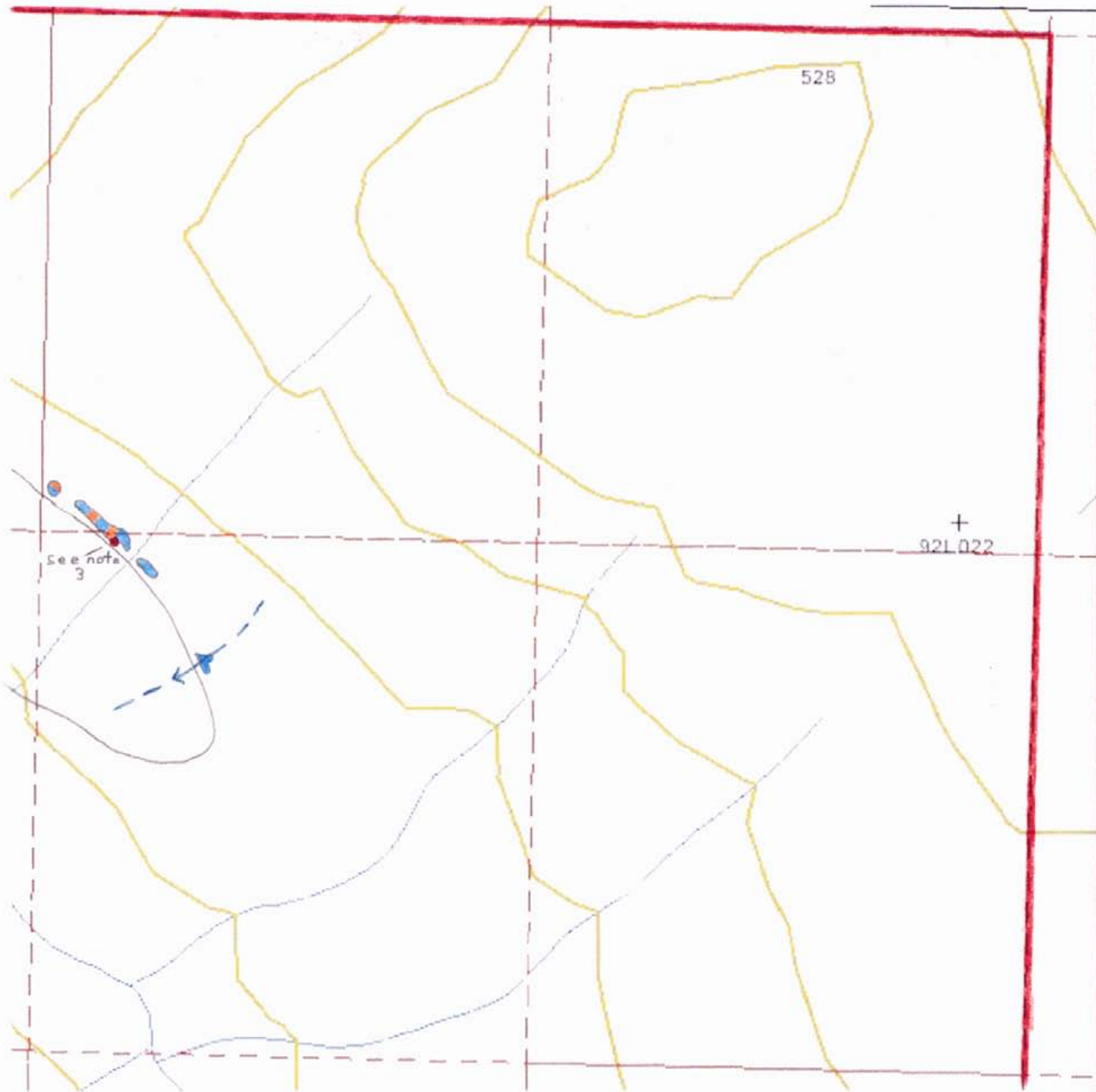
Mapping Grid # 1

Figure: 8

Tenure: KLASKIN03

Date: Sept. 15, 2008

By: JFC



## Legend

### Topographical Symbols

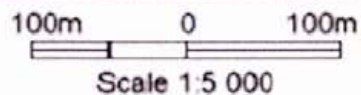
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Creek	
Elevation Contours	
Claim Boundary	
Waterfalls/Rapids	
Cliffs	

### Geological Symbols

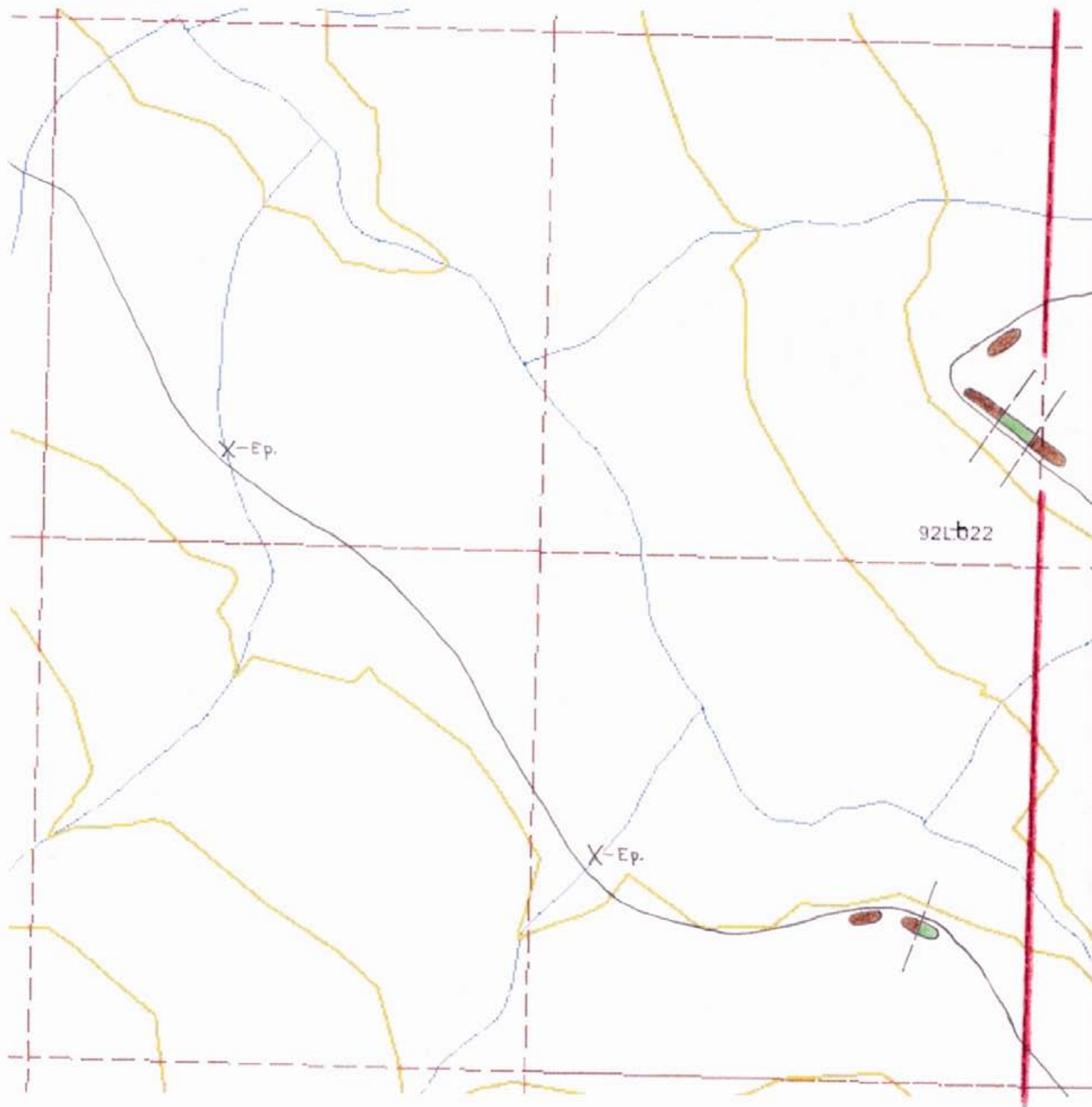
Outcrop	
Contact/Bedding/Dike	
Approximate	
Float/Talus	
Rock Sample Location	

### Geology

Karmutsen Volcanics	
Quatsino Limestone	
Parson Bay Limestone	
Bonanza Volcanics	
Island Intrusives	
Dikes	
Skarn	
Sulphides	



Page # 19  
 Mapping Grid # 2  
 Figure: 9  
 Tenure: KLASKINO3  
 Date: Sept. 15, 2008  
 By: [signature]



### Legend

#### Topographical Symbols

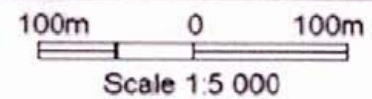
- Road
- Creek
- Elevation Contours
- Claim Boundary
- Waterfalls/Rapids
- Cliffs

#### Geological Symbols

- Outcrop
- Contact/Bedding/Dike
- Approximate
- Float/Talus
- Rock Sample Location

#### Geology

- Karmutsen Volcanics
- Quatsino Limestone
- Parson Bay Limestone
- Bonanza Volcanics
- Island Intrusives
- Dikes
- Skarn
- Sulphides



Page # 20  
 Mapping Grid # 3  
 Figure: 10  
 Tenure: KLASKINO3  
 Date: Sept. 15, 2008  
 By: Vc





Seismic refraction					
Well logging	Define by total length				
Geophysical interpretation					
Petrophysics					
Other (specify)					
				\$0.00	<b>\$0.00</b>
<b>Geochemical Surveying</b>	<b>Number of Samples</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Drill (cuttings, core, etc.)			\$0.00	\$0.00	
Stream sediment			\$0.00	\$0.00	
Soil			\$0.00	\$0.00	
Rock		2	2.0	\$33.13	\$66.26
Water			\$0.00	\$0.00	
Biogeochemistry			\$0.00	\$0.00	
Whole rock			\$0.00	\$0.00	
Petrology			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$66.26	<b>\$66.26</b>
<b>Drilling</b>	<b>No. of Holes, Size of Core and Metres</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Diamond			\$0.00	\$0.00	
Reverse circulation (RC)			\$0.00	\$0.00	
Rotary air blast (RAB)			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Other Operations</b>	<b>Clarify</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Trenching			\$0.00	\$0.00	
Bulk sampling			\$0.00	\$0.00	
Underground development			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
				\$0.00	<b>\$0.00</b>
<b>Reclamation</b>	<b>Clarify</b>	<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
After drilling			\$0.00	\$0.00	
Monitoring			\$0.00	\$0.00	
Other (specify)			\$0.00	\$0.00	
<b>Transportation</b>		<b>No.</b>	<b>Rate</b>	<b>Subtotal</b>	
Airfare			\$0.00	\$0.00	
Taxi			\$0.00	\$0.00	
truck rental		3.00	\$50.00	\$150.00	
kilometers	(154kms x 1) + (120kms x 2)	394.00	\$0.40	\$157.60	
ATV			\$0.00	\$0.00	
fuel	\$33.50 x 3		\$0.00	\$100.50	
Helicopter (hours)			\$0.00	\$0.00	
Fuel (litres/hour)			\$0.00	\$0.00	
Actual vehicle costs				\$408.10	
20% maximum of \$1820.51				\$364.10	<b>\$364.10</b>
<b>Accommodation &amp; Food</b>	<b>Rates per day</b>				
Hotel			\$0.00	\$0.00	
Camp		3.00	\$50.00	\$150.00	
Meals	actual		\$0.00	\$66.00	
				\$216.00	<b>\$216.00</b>

<b>Miscellaneous</b>						
Telephone				\$0.00	\$0.00	
Other (Specify)	Office	3.00		\$5.75		
					\$17.25	<b>\$17.25</b>
<b>Equipment Rentals</b>						
Field Gear (Specify)	GPS/camera/batteries	3.00		\$7.00	\$21.00	
Other (Specify)						
					\$21.00	<b>\$21.00</b>
<b>Freight, rock samples</b>						
				\$0.00	\$0.00	
				\$0.00	\$0.00	
					\$0.00	<b>\$0.00</b>
<b>TOTAL Expenditures</b>						<b>\$2,184.61</b>



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Client: **North Island Exploration**  
 1508 Marina Way  
 Nanoose Bay BC V9P 9B6 Canada

Project: None Given  
 Report Date: August 19, 2008

Page: 2 of 2 Part 1

**CERTIFICATE OF ANALYSIS**

**VAN08007677.1**

Method	WGHT	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	0.02	2	0.01

RD001	Rock	0.87	1.61	92.79	5.86	103.5	898	31.0	12.6	435	3.23	8.1	0.7	<0.2	0.3	133.7	0.50	1.49	0.05	107	8.20
RD002	Rock	0.70	3.11	272.5	3.77	46.7	750	35.0	12.4	490	3.51	11.6	1.0	<0.2	0.3	206.2	0.23	1.30	0.06	151	9.84

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.



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Page: 2 of 2 Part 2

**CERTIFICATE OF ANALYSIS**

**VAN08007677.1**

Method	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30	1F30
Analyte	P	La	Cr	Mg	Ba	Tl	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL	0.001	0.5	0.5	0.01	0.5	0.001	1	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1

RD001	Rock	0.178	8.7	37.1	1.47	27.3	0.122	2	1.21	0.038	0.03	0.2	7.8	<0.02	1.63	63	7.0	0.06	6.6
RD002	Rock	0.295	12.3	43.3	1.40	41.6	0.124	3	1.26	0.032	0.04	0.3	9.1	0.04	1.64	72	6.6	0.04	7.0

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