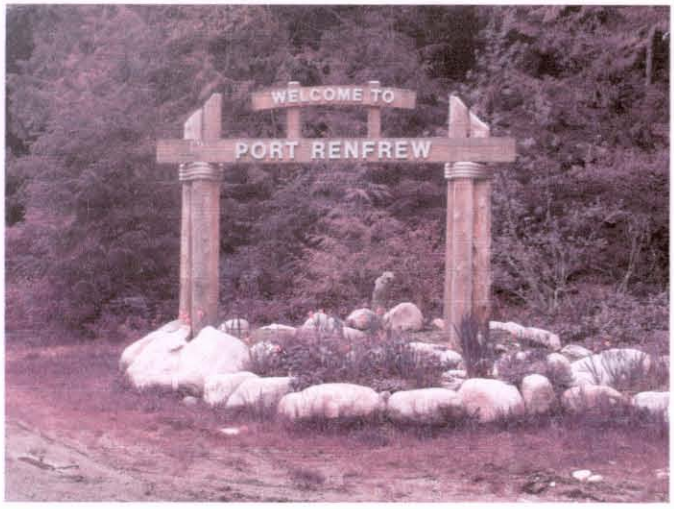
Le Baron Prospecting
Port Renfrew, BC

Prospecting, Geochemical and Technical Assessment Report

The Le Baron Prospecting /
The San Juan Ridge Project
2008
Vancouver Island, British Columbia

Victoria Mining Division
NTS: 092C059
124 degrees -06' – 17" W x 48 degrees – 31' – 45"N

Tenure # 578271



Tenure owners
Scott Phillips
Gordon Saunders
Raymond Oshust

Report by
Le Baron Prospecting
16977 Tsonaquay Dr
Port Renfrew BC
V0S-1K0
Author:
Scott Phillips

BRITISH COLUMBIA
The Best Place on Earth

Ministry of Energy, Mines & Petroleum Resources
Mining & Minerals Division
BC Geological Survey

Assessment Report
Title Page and Summary

TYPE OF REPORT [type of survey(s)]: Technical, Geochemical, Prospecting Assessment Repor **TOTAL COST:** $1420.00

AUTHOR(S): Le Baron Prospecting - Scott Phillips **SIGNATURE(S):**

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S): **YEAR OF WORK:** 2009

STATEMENT OF WORK - CASH PAYMENTS EVENT NUMBER(S)/DATE(S): event number - 4268631

PROPERTY NAME: San Juan Ridge Project

CLAIM NAME(S) (on which the work was done):

San Juan Ridge Project - tenure # 578271

COMMODITIES SOUGHT: Au, Ag, Fe, Cu,

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN:

MINING DIVISION: Victoria **NTS/BCGS:** UTM - 092C059

LATITUDE: 48 ° 31 ' 45 " **LONGITUDE:** 124 ° 6 ' 17 " **(at centre of work)**

OWNER(S):

1) Scott Phillips
Gordon Saunders

2) Raymond Oshust

MAILING ADDRESS:

scott - 9298 Chestnut rd, Chemainus BC - V0R-1K5
gord - 2650 Cedar Hill Rd, Victoria BC - V8T-3H2

Ray - General Delivery, Port Renfrew BC - V0S-1K0

OPERATOR(S) [who paid for the work]:

1) Gordon Saunders

2)

MAILING ADDRESS:

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

Wrangella, Jurassic to Cretaceous Leech River Complex, metasediments intruded by sills and dykes, calc - silicate, disseminated pyrite and arsenopyrite, diorite intrusions, quartz veins, swarms, Au in quatrz veins, historic area Au samples have been in excess of 50.5 grams per ton.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS:

Next Page

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
'OLOGICAL (scale, area)			
Ground, mapping		tenure # 578271	$1420.00
Photo interpretation	15 photos - sampling results	see report	
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for...)			
Soil			
Silt			
Rock	4 rock chip - certificate of analysis	VA09041735	
Other			
'ILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying	rock chip, soil sediment, moss matt	see report for details	
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)	less than 25 ha		
PREPARATORY / PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail	550 meters GPS		
Trench (metres)			
Underground dev. (metres)			
Other	initial pass over tenure for exploration		
		TOTAL COST:	$1420.00

Le Baron Prospecting
Port Renfrew, BC

Table of Contents

San Juan Ridge Project Location Map

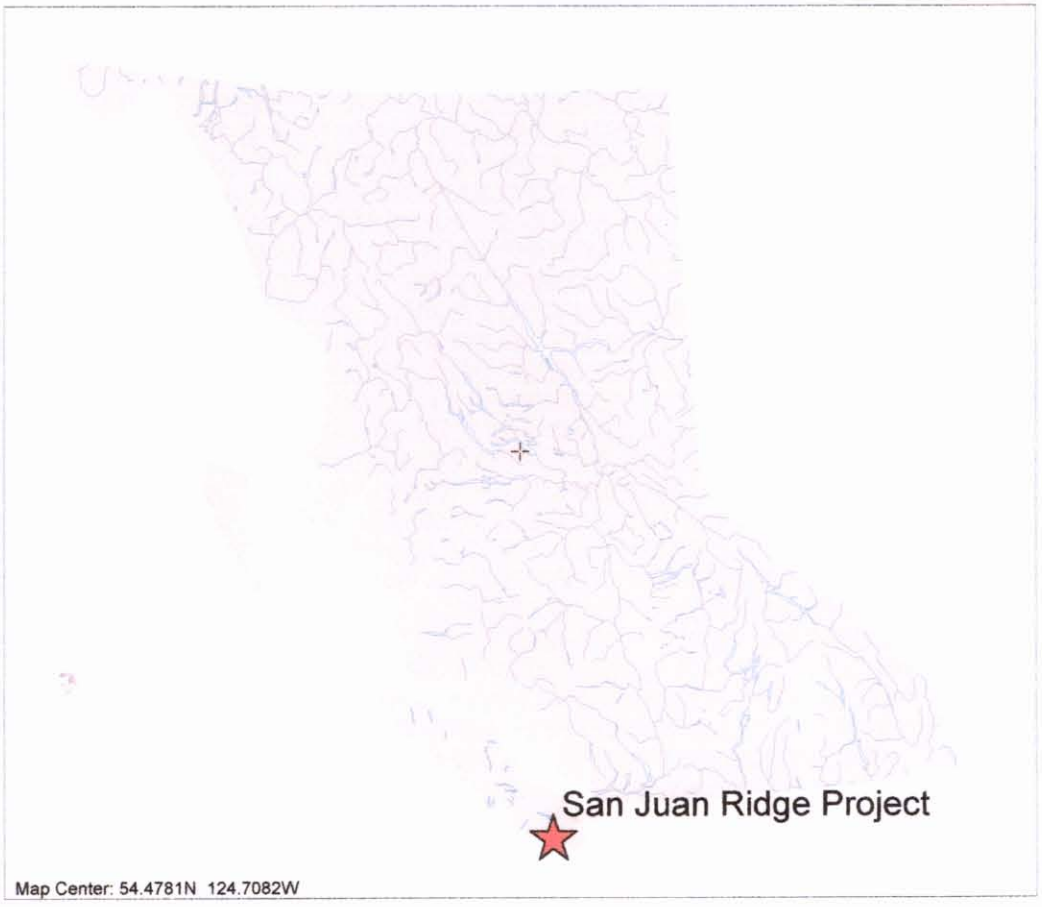
San Juan Ridge Project Location

Topographic Layers

- **Lakes 1:6M**
- **Rivers 1:6M**

BC Border Layers

- **BC Border 1:6M**



SCALE 1 : 12,994,964

200 0 200 400 600

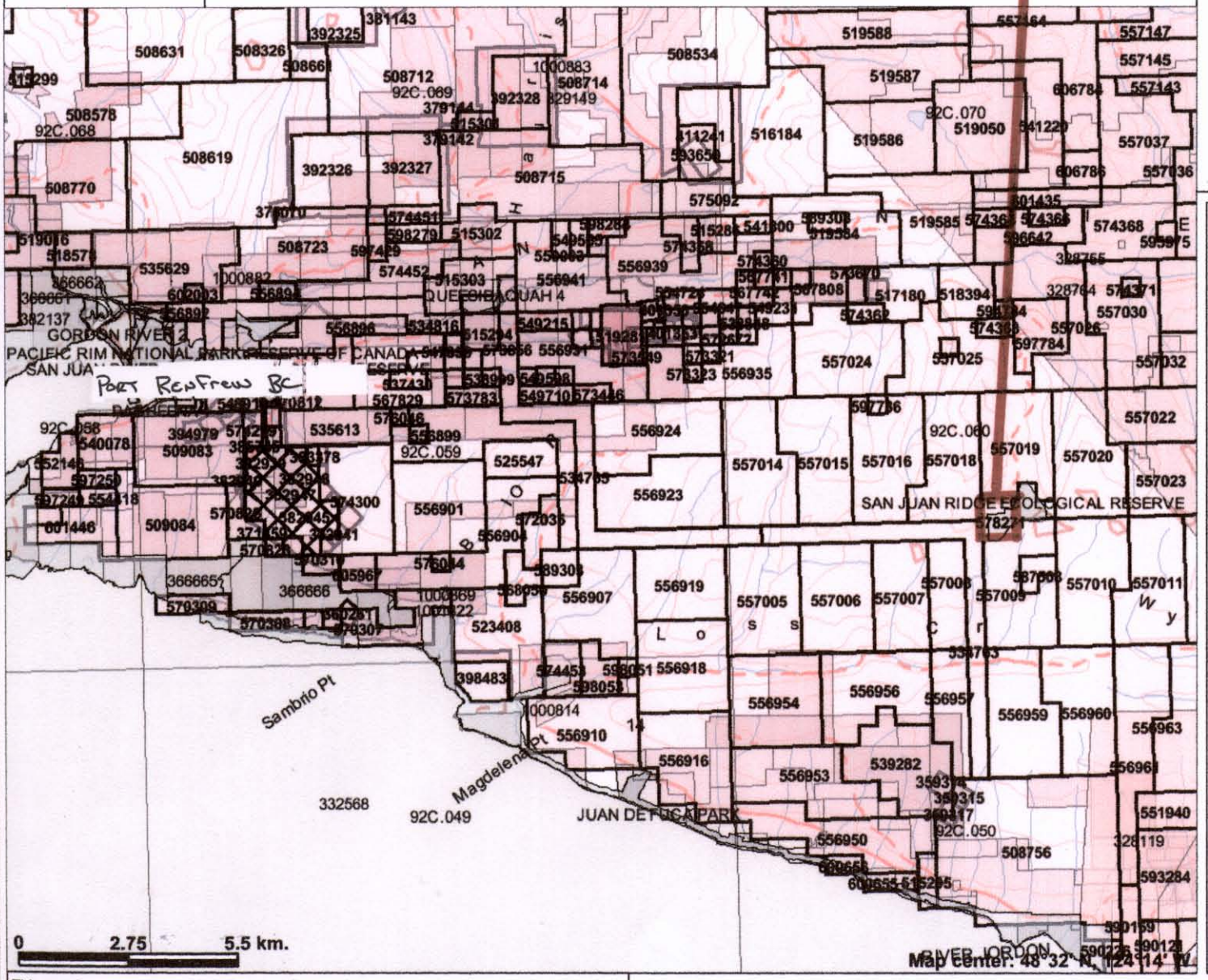
MILES

N

FIGURE MAP A

Le Baron Prospecting - San Juan Ridge Project

#578271



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks

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

Survey Parcels

BCGS Grid

Contours (1:250K)

- Contour - Index
- Contour - Intermediate
- Areaof Exclusion
- Areaof Indefinite Contours

Annotation (1:250K)

Transportation - Points (1:250K)

- Airfield
- Anchorage - Seaplane
- Ferry Route
- Heliport
- Seaplane Base
- Air Field
- Airport
- Air Feature - Condition Unknown

Scale: 1:150,000

Executive Summary:

The San Juan ridge Project is a strategically placed mineral tenure upon the San Juan Ridge.

This exploration program was to establish a basic roadside survey of the area and to conduct rock chip, soil and stream sediment samples.

A total of 15 rock chip hand grab samples were obtained along the access road, 12 soil sediment samples were obtained using a 48 inch hand auger to analyze the overburden, and 8 stream sediment samples were obtained from area creeks where they cross the access road.

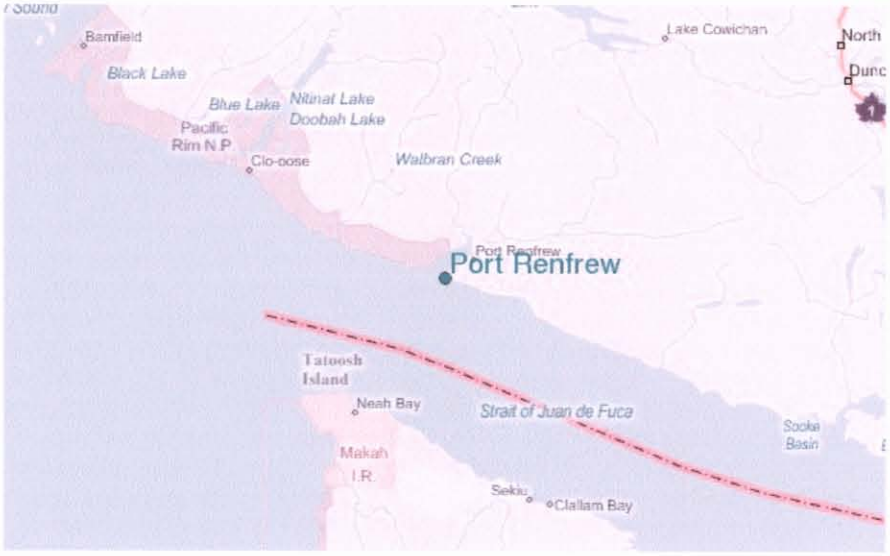
Every sample location, the sample was bagged and tagged and plotted for future reference.

Quartz crystals and large garnets that were recovered from the soil sediment sampling and the crystals were measured using a micrometer. Future exploration will partly focus on the origin of some of the fine specimens recovered.

4 rock chip samples were sent to ALS Laboratories in Vancouver for geochemical analysis (see appendix A – Certificate of analysis – VA09041735)

Due to the winter conditions, exploration was limited to only a small portion of the tenure, access was by quad, one of the main recommendations is to conduct a full tenure survey which will include a detailed geochemical analysis of the tenure.

This tenure is also located near the San Juan Ridge Ecological Reserve. In the future, tenure boundaries will be established along the ecological reserve and the tenure.

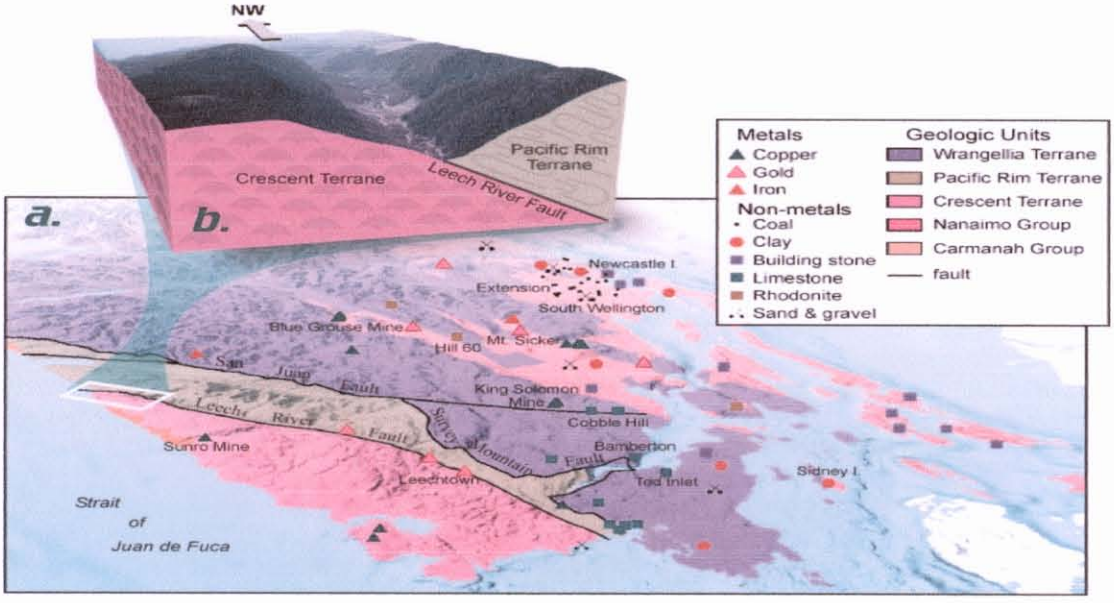


Area Geology:

Vancouver Island lies within what is known as the Canadian Cordillera and is also classified as Wrangella. The Southwestern part of Vancouver Island is predominantly underlain by Paleozoic and Mesozoic strata intruded by Jurassic and Tertiary Intrusions.
These tenures are underlain by the San Juan River Fault, which is composed of the Leech River Formation to the south and the Bonanza Group Volcanics to the north. The San Juan Fault is best described as a plate boundary fault, where the Leech River Formation is severely interrupted as a subduction complex.

The Leech River Fault is a reverse or thrust fault that strikes east and dips 45-75 degrees north, and is at least 40 miles long. The Leech River Fault is a remarkably linear feature that formed in an active plate margin tectonic regime. As a result, Eocene Leech River Fault movement was coeval with the emplacement of the Metchosin and Sooke mafic volcanic intrusive complex. North of the Leech River Fault, a distinctly more mountainous terrain is underlain by Cretaceous Leech River Formation amphibolites to upper green schist grade metamorphic rocks consisting of biotite-garnet schist, mica-rich phyllite. The Leech River Formation consists of Cretaceous sediments (probably shale and interbeded sandstone) and minor volcanic rocks (intermediate tuffs/flows) – See Muller, 1977 open file #463.

Vancouver Island University College – Geology Department



Tenure Geology:
The rocks of the Leech River Formation are intruded by aplitic sills and dykes mostly paralleling the schistosity. Numerous quartz veins carry pyrrhotite, arsenopyrite, pyrite mineralization which often hosts gold values. Some attractive roadside rock chip samples with visible gold were found in this area.

The property is underlain by argillite, sandstone and greywacke, intruded by diorite sills with a few sulfide exposures. Fine grained massive greywacke is interbedded with argillites throughout the road exposures. The components of the rock are quartz veins, plagioclase and muscovite.

In areas, roadside exposures, there is also volcanic rock up to 2 meters thick chlorite rich "greenstone" This rock may be metamorphosed pillow lava. Due to the winter conditions at the time of exploration, its continuity could not be established, however the exposure which was examined does contain fine calcite vein lets and epidote is common within the fractures.

The quartz veins are abundant within the limited exploration of the road exposure and what little traversing that was conducted due to the winter conditions. The quartz veins could only be traced for a few meters, most of the veins

Location and access:
The San Juan Ridge tenure (#578271) is located within the Victoria Mining Division, UTM map # 092C059. The tenure is located in Port Renfrew BC, which is located approximately 100 kilometers west of Victoria BC. The tenure is located 19 kilometers east of Port Renfrew. The main access is off of the Harris Creek Mainline, at the nine mile junction, turn right onto the old Shawnigan Lake mainline, follow the mainline to the Garbage Creek main, follow this mainline all the way to the top of the mountain and turning onto spur road Gar-9100, then finally onto spur Gar-9109 (See figure map B, C)

Access was by quad due to the fact that winter conditions were snow to depths of 6 to 12 inches of hard pack at the time of exploration. The quad was able to transport the prospectors to the site from the Shawnigan Lake mainline and back again and the samples obtained were analyzed further in Port Renfrew.

Exploration overview:
Exploration was conducted over three short sessions, rock chip, soil and stream sediment samples were obtained using hand tools such as rock hammers, chisels. A hand auger was used to collect overburden samples of the soils next to roadside and in areas of no snow. The sediment samples were obtained in creeks by collecting the moss off of in creek rocks and hand panning to concentrate.

6 of the 10 rock chip samples obtained (quartz veins) were sawn using a rock saw for thin slice analysis, and then examined under a microscope at 1-40,000x. Crystals within the samples were measured for size and then high intensity light was allowed to "flow though" for light refraction testing. (See technical section)
4 rock chip samples were sent to ALS Laboratories for analysis – Certificate of analysis – VA0

4 of the soil "hand auger" samples were obtained in field were dried and then a magnet was used to extract the magnetized minerals from the samples, the magnetized mineral concentrate was removed and weighed. The results were encouraging (See technical section)

3 of the 8 stream sediment samples were dried and then analyzed using the above technique with a magnet to remove and weigh the concentrate.

Technical data:

See figure map C for location of sample points.

Sample location Reference map number	**sample description / other information** **rock chip sampling**
A. 418023 x 5376154	Rock chip – white quartz - banded sill – strongly fractured - ALS
B. 418000 x 5376150	Rock chip – white quartz – very white – distinct crystals
C. 417996 x 5376050	Rock chip – white quartz – shear zone, strong fractured
D. 418003 x 5376000	Rock chip – white quartz – within a phyllite – oxidization - ALS
E. 417982 x 5375950	Rock chip – white quartz – quarts swarm - < 30 cm wide
F. 417956 x 5375900	Rock chip – white quartz – shear zone
G. 417911 x 5375850	Rock chip – felsic dyke – 30 cm wide – weakly magnetic - ALS
H. 417878 x 5375800	Rock chip – white quartz – banded sill – strongly fractured
I. 417839 x 5375750	Rock chip – intrusive sill – biotite flecks throughout sample
J. 417833 x 5375600	Rock chip – felsic dyke – 30 cm wide – pyrite present – ALS
Sample location Reference map number	**Soil sediment sampling**
1. 418017 x 5376130	Soil sample – 18 inches of overburden – quartz crystals
2. 417500 x 5376060	Soil sample – 26 inches of over burden – quartz / garnets
3. 415002 x 5376040	Soil sample – 30 inches of overburden – quartz / garnets
4. 417999 x 5375980	Soil sample – 20 inches of overburden - garnets
5. 417975 x 5395930	Soil sample – 26 inches of overburden - garnets
6. 417940 x 5375880	Soil sample – 40 inches of overburden – deep red garnet
7. 417895 x 5375835	Soil sample – 40 inches of overburden – deep red garnets
8. 417866 x 5375775	Soil sample 38 inches of overburden – red garnets
Sample location Reference map number	**Stream sediment sampling**
K. 417840 x 5375650	Stream sediment – moss matt x 2 – hand pan - 120 grams of concentrates – strong magnetic – pyrite - silver
L. 417800 x 5375640	Stream sediment - moss matt x 4 – hand pan – 168 grams of concentrates - strong presence of magnetic concentrates
M. 417911 x 5375595	Stream sediment – moss matt x 2 – hand pan – 143 grams of concentrates - strong presence of magnetic concentrates – pyrite - silver

ALS Laboratory Services – Certificate of analysis – VA09041735
Analytical procedure – ME-MS41 – 51 element aqua region digestion

ALS #	**GPS location**	**rock description**
H031119 - J.	417833 x 5375600 -	Rock chip – felsic dyke – 30 cm wide – pyrite present
H031120 - G.	417911 x 5375850 -	Rock chip – felsic dyke – 30 cm wide – weakly magnetic
H031121 - D.	418003 x 5376000 -	Rock chip – white quartz – within a phyllite – oxidization
H031122 - A.	418023 x 5376154 -	Rock chip – white quartz - banded sill – strongly fractured

Technical data – continued

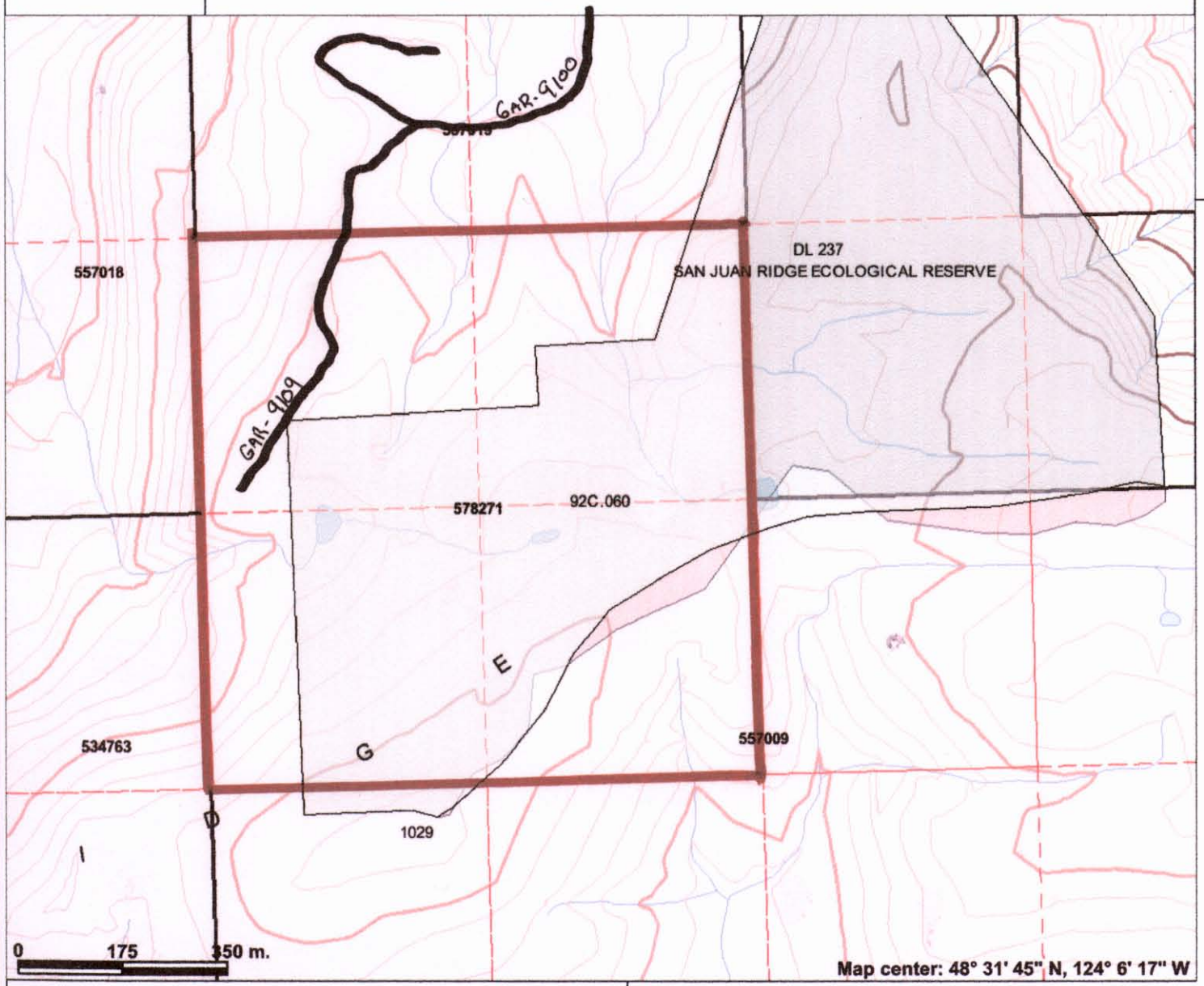
Microscopic analysis notes

Sample location Reference map number	**other related information / sample specific Rock chip analysis**
Sample B	rock chip – quartz crystals < 4 mm – with trace pyrite
Sample D	rock chip – quartz crystals < 8mm – blebs of arsenopyrite
Sample G	rock chip – crystals > 10 mm – pyrite / black phyllite
Sample H	rock chip – quartz crystals - < 6 mm – trace of pyrite
Sample I	rock chip – intrusive – ultramafic – unidentified crystals
Sample J	rock chip – felsic dyke – abundance of disseminated pyrite < 4mm cubes
Sample location Reference map number	**Soil sediment analysis**
Sample # 2	26 inches of overburden – hand auger – 6 lbs of material obtained 36 grams of magnetic concentrates – pyrite
Sample # 4	20 inches of overburden - hand auger – 4.5 lbs of material obtained 48 grams of magnetic concentrates - pyrite
Sample # 6	40 inches of overburden – hand auger – 9.5 lbs of material obtained 62 grams of magnetic concentrates – pyrite / minor sulphides
Sample # 8	40 inches of overburden – hand auger – 10.5 lbs of material obtained 72 grams of magnetic concentrates – pyrite / iron / sulfides
Sample location Reference map number	**Stream sediment analysis**
Sample # K	Moss matt – 3 lb sample of moss obtained in creek rocks – sample dried – weak magnetic - fine Au present, silver also
Sample # L	Moss matt – 4 lb sample of moss obtained in creek rocks – sample dried – medium magnetic return – 13 grams of concentrates - fine Au, Ag, and possible Pt, Pd.
Sample # M	Moss matt – 3 lb sample of moss obtained in creek rocks – sample dried – medium magnetic – 19 grams of concentrates - fine Au, Ag, and possible PT, Pd

Total work completed
10 rock chip samples – quartz veins, swarms and dykes
4 rock chip samples sent to ALS Laboratory in Vancouver for analysis
8 soil samples – hand auger – maximum of 48 inches depth of auger
8 stream sediment samples – moss matt from in creek rocks
6 rock chip samples – sawn for thin slice analysis
All samples were bagged tagged, plotted on maps for future reference.
550 meters of road sampling

FIGURE MAP B

San Juan Ridge Project - #578271 - reference map



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- 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

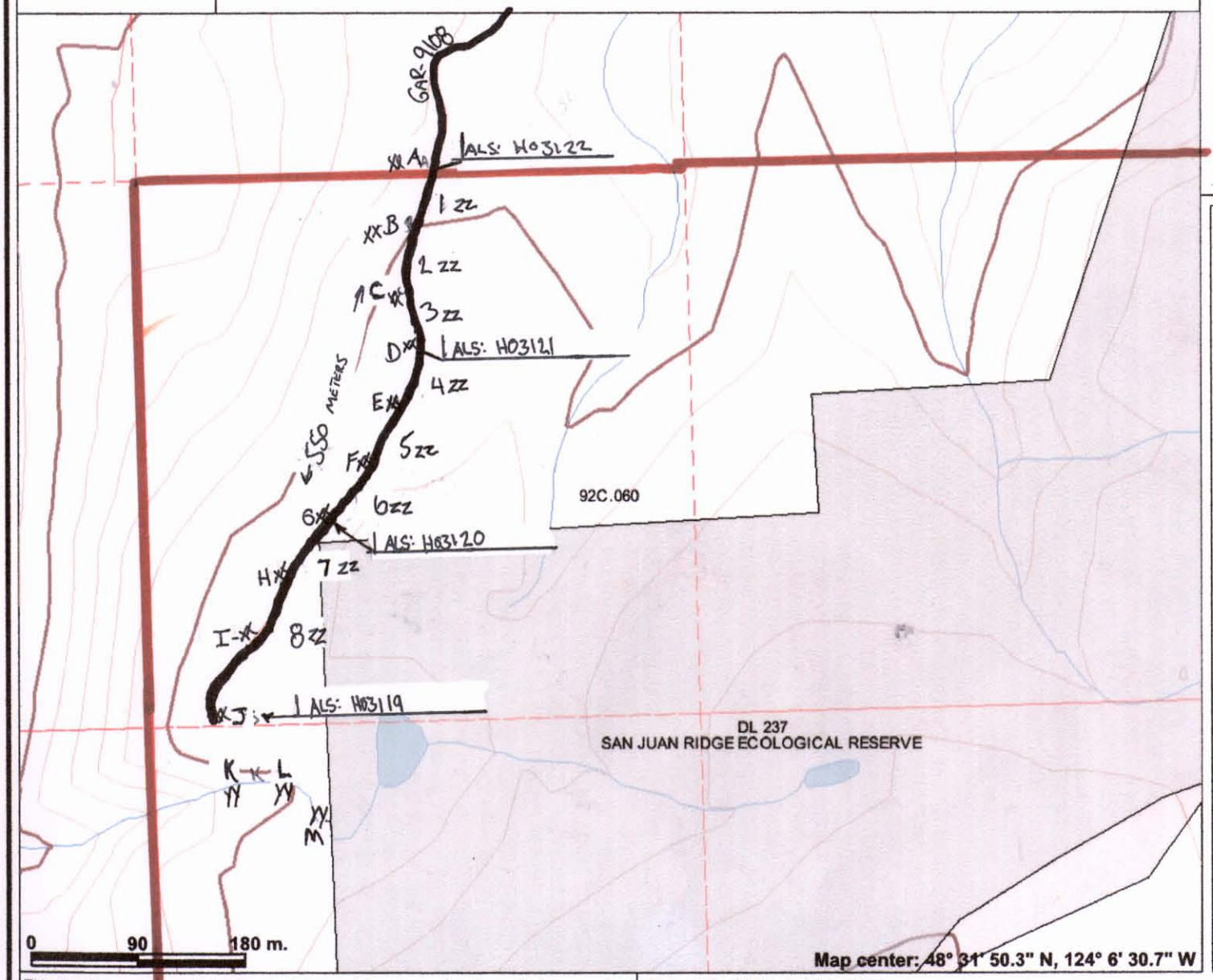
Contours (TRIM)

- Contour - Index
- Contour - Index.Indefinite
- Contour - Index.Depression
- Contour - Index.Depression Indefinite
- Contour - Intermediate
- Contour - Intermediate.Indefinite
- Contour - Intermediate.Depression
- Contour - Intermediate.Depression Indefinite
- Areasof Exclusion

Scale: 1:10,000

FIGURE MAP C

San Juan Ridge Project - working reference map



Legend

- Indian Reserves
- National Parks
- Conservancy Areas
- Parks
- MTO Grid (MTO)
- Blocked by MEM
- Other
- Mineral Tenure (current)
- Mineral Reserves (current)
- Placer Claim Designation
- Placer Lease Designation
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- Conditional Reserve
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- Recreation Area
- Others
- Integrated Cadastral Fabric
- Survey Parcels
- BCGS Grid
- Contours (TRIM)
- Contour - Index
- Contour - Index.Indefinite
- Contour - Index.Depression
- Contour - Index.Depression Indefinite
- Contour - Intermediate
- Contour - Intermediate.Indefinite
- Contour - Intermediate.Depression
- Contour - Intermediate.Depression Indefinite
- Areaof Exclusion
- Areaof Indefinite Contours
- Annotation (1:20K)

Scale: 1:5,000

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: XX = GPS rock chip locations
YY = GPS stream sediment locations
ZZ = GPS soil sediment locations

San Juan Ecological Reserve:

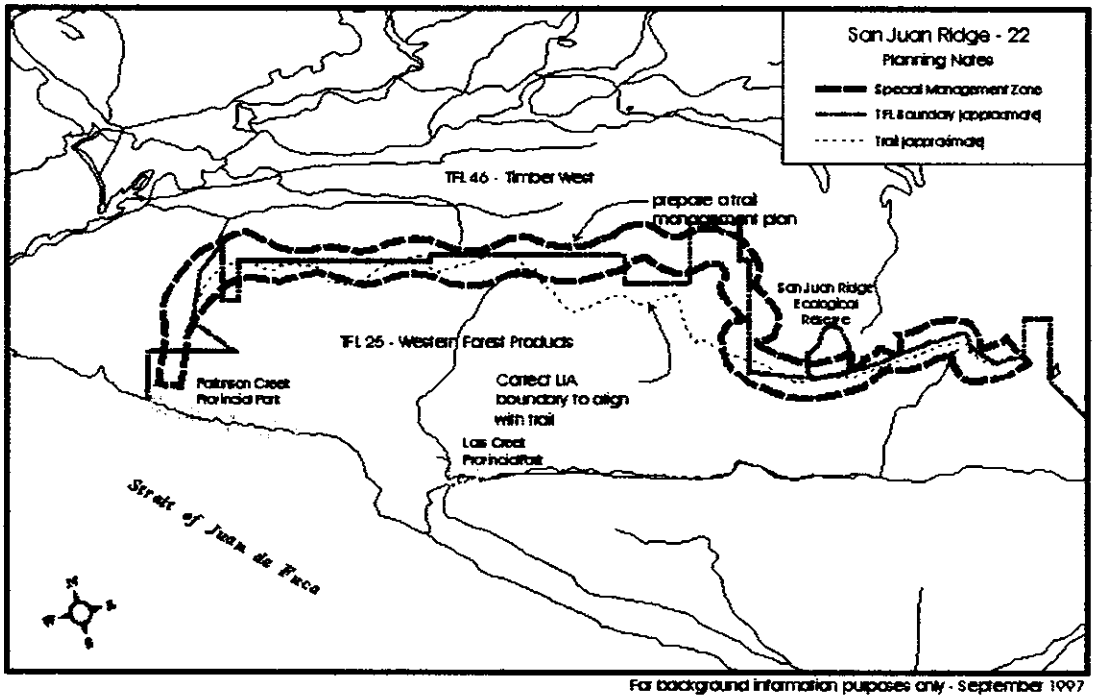
This mineral tenure covers a portion of the San Juan Ecological Reserve which was established in the early 1980's but was not fully acknowledged until 2003 / 2004.

The primary role of the San Juan Ecological Reserve is to protect special natural ecosystems, plant and animal species and to protect the genetic materials within this reserve. Research and educational activities may only be carried out but only under permit.

One of the main focuses is to protect a rare flower called the white glacial lily, the sub alpine mountain hemlock and its wet lands.

Mineral Exploration is prohibited in the San Juan Ecological Reserve, however in the future boundary lines will be established along the ecological reserve and this mineral tenure.

See attached information on the San Juan Ecological Reserve in Appendix B



For background information purposes only - September 1997

Le Baron Prospecting
Port Renfrew, BC

Tenure Ownership:

These tenures are owned jointly between the following prospectors:
Scott Phillips; FMC #145817 – 40%
Gordon Saunders; FMC #145703 – 40%
Raymond Oshust; FMC #141465 – 10%

Tenure	staked	good to date	status	area
San Juan Ridge				
#578271	2008/March/11	2011/March/11	good	85.56ha

Author Qualifications:

1. I am a prospector, with a history of prospecting the West Coast of Vancouver Island.
2. I am the owner of Le Baron Prospecting of Port Renfrew BC.
3. I am a member in good standing with the Vancouver Island Placer Miners Association.
4. I am a member of VIX or Vancouver Island Exploration Group.
5. I have several large mineral tenures within the area of Port Renfrew.
6. I am currently studying the West coast Crystalline Intrusion Complex.
7. I have a full understanding of the Plate Tectonics of Southern Vancouver Island.
8. I am working closely with professional geologists for guidance and information in regards to questions I have about structure of surrounding area.

I have a valued interest in the tenure mentioned in this report.
The usage of this information by a third party is the sole responsibility of that party.
I here by consent to the use of information in this report to further enhance the exploration of the San Juan Ridge Project.

Scott Phillips: _____, Date: 05-05-2009

Summary:

To continue to explore this tenure, sample for rare earth minerals, explore for the origin of the crystals recovered from the sediment sampling, communicate with the Ministry of Environment for a permit to access and study the geology within the Ecological Reserve, to establish boundary lines between the Ecological Reserve and the mineral tenure.

Reference information:

Muller, J. E. 1977 – Geology of Vancouver Island, file #463.
1980 – Geology of Victoria BC, file #701

Fairchild, L.H. 1982 – Structure of the Leech River Complex north / west of Victoria BC

Le Baron Prospecting
Port Renfrew, BC

Statement of costs:

Exploration:
February 28,29th, March 01st 2009

Scott Phillips
FMC #145817 – field supervisor - labor
$30.00 x 8 hrs.....=$240.00

Raymond Oshust
FMC #141465 – field supervisor - labor
$30.00 x 8 hrs .....= $240.00

Gordon Saunders
FMC #145703 – field assistant - labor
$30.00 x 7 hrs .....= $210.00

Transportation
4x4 truck = $50.00 / day x 2 ..... = $100.00
2x4 car = $30.00 / day x 1 ..... = $30.00
4x4 quad = $50.00 / day x 2.....= $100.00
Power saw = $10.00 / day x 1.....= $10.00

Accommodations
24 Tsonoquay Dr
Port Renfrew BC
$70.00 / day x 2 days ..... = $140.00

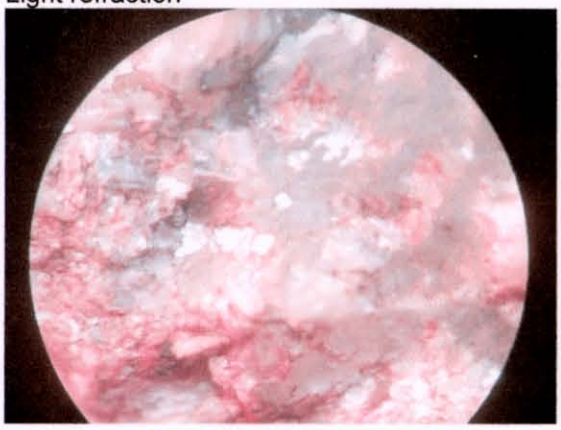
ALS Laboratory
Vancouver BC
Certificate of Analysis
VA09041735 – 4 rock samples .....= not included

Le Baron Prospecting
Report compilation
Professional fees
$350.00 / day x 1 ..... = $350.00

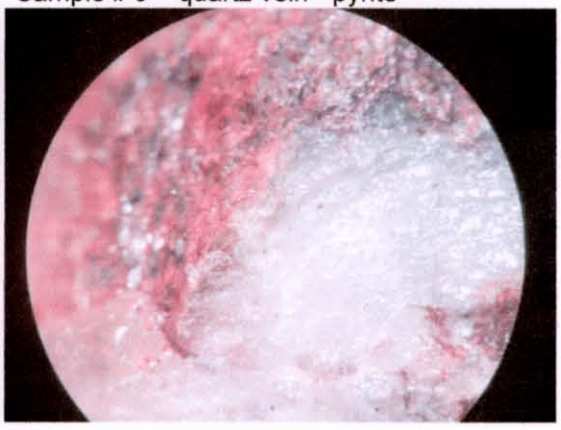
Total exploration costs 2008 ..... = $1420.00

Photos: – thin slice and microscopic analysis – 1 x 40,000

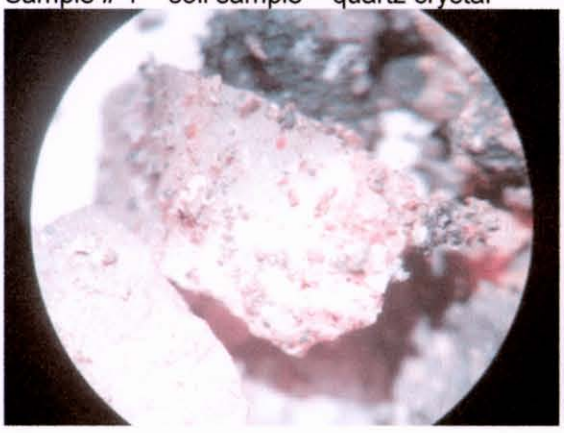
Sample #B – thin slice analysis –
Light refraction



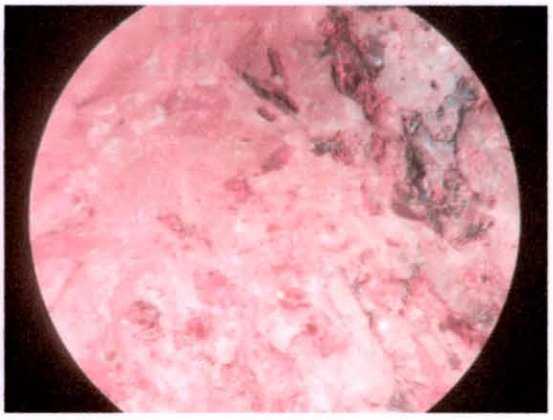
Sample # J – quartz vein - pyrite



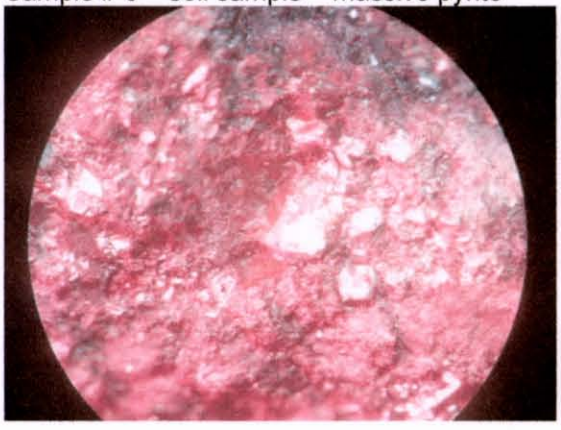
Sample # 1 – soil sample – quartz crystal



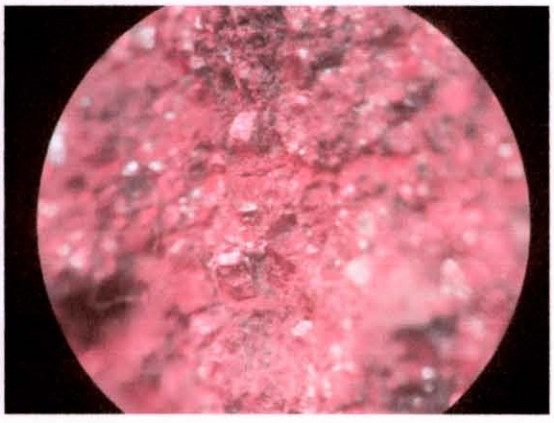
Sample # L – moss matt – quartz / Au



Sample # 6 – soil sample – massive pyrite



Sample #8 – soil sample – massive sulphides



ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: **LE BARON PROSPECTING**
9298 CHESTNUT RD.
CHEMAINUS BC V0R 1K5

Finalized Date: 4-MAY-2009
This copy reported on 5-MAY-2009
Account: LEBPRO

CERTIFICATE VA09041735

Project: San Juan Ridge Project

P.O. No.:

This report is for 4 Rock samples submitted to our lab in Vancouver, BC, Canada on 28-APR-2009.

The following have access to data associated with this certificate:

SCOTT PHILLIPS

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
PUL-QC	Pulverizing QC Test
LOG-21	Sample logging - ClientBarCode
PUL-31	Pulverize split to 85% <75 um
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION
ME-MS41	51 anal. aqua regia ICPMS

To: **LE BARON PROSPECTING**
ATTN: SCOTT PHILLIPS
9298 CHESTNUT RD.
CHEMAINUS BC V0R 1K5

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature:

Colin Ramshaw, Vancouver Laboratory Manager

ALS Chemex
EXCELLENCE IN ANALYTICAL CHEMISTRY
ALS Canada Ltd.
212 Brooksbank Avenue
North Vancouver BC V7J 2C1
Phone: 604 984 0221 Fax: 604 984 0218 www.alschemex.com

To: LE BARON PROSPECTING
9298 CHESTNUT RD.
CHEMAINUS BC V0R 1K5

Project: San Juan Ridge Project

CERTIFICATE OF ANALYSIS VA09041735

Sample Description	Method	WEI-21	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Recvd Wt.	Ag	Al	As	Au	B	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs
	Units	kg	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1	0.05
H031119		0.30	9.15	1.83	79.2	<0.2	<10	10	0.14	2.93	0.31	0.44	8.08	13.4	11	0.25
H031120		0.28	0.6	0.44	51.1	<0.2	<10	170	0.09	0.19	1.6	2.47	10.45	2.1	14	0.2
H031121		0.14	0.08	3.51	7.7	<0.2	<10	220	0.66	0.2	0.41	0.11	35.4	45	53	1.77
H031122		0.10	0.06	1.68	2.1	<0.2	<10	50	0.21	0.15	0.15	0.09	4.04	5.2	8	0.28

***** See Appr · Page for comments regarding this certificate *****

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Finalized Date: 4-MAY-2009
Account: LEBPRO

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na	Nb
	Units	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%	ppm
	LOR	0.2	0.01	0.05	0.05	0.02	0.01	0.005	0.01	0.2	0.1	0.01	5	0.05	0.01	0.05
H031119		1160	11.25	5.21	0.13	0.06	0.1	0.074	0.1	3.4	7.1	1.15	327	45.4	0.03	0.66
H031120		726	1.85	0.99	<0.05	0.08	0.05	0.013	0.11	5.8	3.2	0.39	185	4.33	<0.01	0.1
H031121		49.2	3.63	10.35	0.08	0.16	0.02	0.032	0.37	11.8	23.9	1.4	786	1.27	0.06	0.12
H031122		15.8	1	4.25	<0.05	<0.02	0.01	0.006	0.1	1.9	3.7	1.19	73	0.44	0.01	<0.05

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	Analyte	Ni	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th	Ti
	Units	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	LOR	0.2	10	0.2	0.1	0.001	0.01	0.05	0.1	0.2	0.2	0.2	0.01	0.01	0.2	0.005
H031119		13.7	380	215	3	0.001	9.82	6.45	4.8	12.5	0.4	20.7	<0.01	1.85	1.1	0.051
H031120		15.8	2970	7	2.1	0.008	0.69	1.44	1.4	4.8	<0.2	60.8	<0.01	0.45	0.7	<0.005
H031121		67.8	670	5.5	25.3	<0.001	0.04	0.22	12.1	0.5	0.7	27.5	<0.01	0.03	4.4	0.146
H031122		14.3	120	3.1	6.2	<0.001	0.07	0.17	1.8	0.2	<0.2	3.6	<0.01	0.01	0.5	0.023

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Sample Description	Method	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41	ME-MS41
	Analyte	Tl	U	V	W	Y	Zn	Zr
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.02	0.05	1	0.05	0.05	2	0.5
H031119		0.03	0.26	65	0.11	4.73	97	2
H031120		0.06	0.73	42	0.06	10.35	298	3.3
H031121		0.23	1.2	86	0.19	11.05	55	8.1
H031122		0.04	0.12	13	0.06	1.26	24	0.6

***** See Appe Page for comments regarding this certificate *****

SAN JUAN RIDGE ECOLOGICAL RESERVE

PURPOSE STATEMENT

August 2003

Approved by:

Date: August 8/03

Dick Heath
Regional Manager
Environmental Stewardship Division

Date: Jan. 21/04

Nancy Wilkin
Assistant Deputy Minister
Environmental Stewardship Division

Purpose Statement

Ecological reserves are areas selected to preserve representative and special natural ecosystems, plant and animal species, features and phenomena. The key goal of ecological reserves is to contribute to the maintenance of biological diversity and the protection of genetic materials. All consumptive resource uses and the use of motorized vehicles are prohibited. Research and educational activities may be carried out but only under permit.

Primary Role

The **primary** role of San Juan Ridge Ecological Reserve is to protect a rare and disjunct population of the white glacier lily, sub-alpine mountain hemlock vegetation, and subalpine wetlands. Overlooking rugged Juan de Fuca Provincial Park, this 130-hectare mountainous ecological reserve has a northerly aspect, ridgetop winds, and deep snowfall that result in the occurrence of sub-alpine and alpine vegetation at fairly low elevations. This provides suitable habitat for the white glacier lily (*Erythronium montanum*), a vulnerable blue-listed wildflower that occurs only in subalpine areas of Vancouver Island and the Mount Waddington area on the mainland of British Columbia. This is one of only two places this lily occurs on Vancouver Island. A rare snowbed lichen, *Siphula ceratites*, is also found in the ecological reserve in the subalpine forests. Mountain hemlock, amabalis fir, yellow cedar, mountain heather, small twistedstalk, Alaskan blueberry, copperbush, tiger lily and common red paintbrush are other species typical of this area. Wildlife such as black bear, cougar, and Columbian black-tailed deer move through this ecological reserve.

Management Issues

Known Management Issue	Response
Unknown natural and cultural values	➢ Undertake a species inventory, with assistance from natural groups. ➢ Undertake cultural inventory and traditional use study in conjunction with First Nations. ➢ Encourage naturalist groups to add to the body of knowledge for this ecological reserve.
Impacts from adjacent Kludahk Trail and cabins	➢ Determine locations of access routes and work with local groups to minimize access. ➢ Establish a monitoring program to determine the impact of recreation use on natural values. ➢ Liaise with Kludahk Outdoors Club to educate club about ecological reserve and its values. ➢ Work with groups to address existing impacts (such as litter). ➢ Identify ecological reserve boundary through posting of signs in key locations.
More significant conservation values outside the ecological reserve	➢ Review existing ecological reserve boundary and discuss possible acquisition strategy. ➢ Liaise with CRD Parks (identified in Capital Regional District Parks Master Plan).
Potential impacts from nearby logging	➢ Work with Ministry of Forests and forest companies to protect ecological reserve values during forest development and to minimize access.

Conservation

Representation - ecosection	☐	San Juan Ridge Ecological Reserve contributes very minimally (0.04%) to the representation of the Windward Island Mountain Ecosection of which 17.42% is protected provincially.
- biogeoclimatic subzone/variant	☐	San Juan Ridge Ecological Reserve contributes very minimally (0.03%) to the representation of the MHmm1 variant which has 16% protected provincially. San Juan Ridge Ecological Reserve contributes insignificantly to the representation of the CWHvm2 variant.
Special Features	☒	Excellent and relatively accessible population of the rare white glacier lily. Steep elevation drops in the ecological reserve provide unique viewing opportunities.
Rare/Endangered Values	☒	*Blue-listed:* white glacier lily
Scientific/Research Opportunities	☒	Amphibian population studies in bog area

Recreation

Representation backcountry	☐	Not Applicable; there is recreational use adjacent to Kludahk Trail
destination	☐	Not Applicable
travel corridor	☐	Not Applicable
local recreation	☐	Ecological reserves are not meant for outdoor recreation; however, some hiking by local groups occurs. Management will work with groups to address potential impacts.
Special Opportunities	☐	None known at this time
Education/Interpretation Opportunities	☒	Offsite interpretation

Cultural Heritage

Representation	☐	Values unknown
Special Features	☐	None known at this time