

GEOCHEMICAL REPORT
on the

CASS PROPERTY

Consisting of Cass 1 - 10 Claims
Mapsheet 105B4
Longitude 131° 45' W Latitude 60° 12' 30" N

Watson Lake Mining District, Yukon Territory

Dorsey Lake Area, Yukon Territory

for

Brett Resources Inc.
Suite 611 – 675 West Hastings Street
Vancouver, B.C.
V6B 1N2

Work performed July 28, 29, 2006

Report Prepared by:

Rein Turna, P.Geo



Plate No. 1 Lake near north boundary of Cass property. View toward south. Historic showings are located up scree slope in upper centre of photo.

1.0 SUMMARY

The Cass property is located in the Dorsey Lake area of NTS Mapsheet 105B4 in the Watson Lake Mining District in Yukon Territory. Argillite and limestone on the property are intruded by granitic rocks of the Seagull Batholith. Tin bearing skarn mineralization occurs in greisen altered fracture zones and zones of parallel quartz carbonate veins occurring in the sedimentary rocks.

In 2006 several reconnaissance soil lines were done to confirm the existence of historic strong tin soil anomalies. The historic showings were not positively identified; old trenches tended to be sloughed or filled in. Rock samples were collected at several veined and skarn outcrops.

Grab rock samples were collected from sloughed trenches. The highest assay was 0.35% Sn. Soil samples were collected over five lines at MC Ridge and Cirque Floor, where historic work had large strong tin soil anomalies. The 2006 soil survey confirmed the existence of highly anomalous tin at the above locations though the new survey's anomalies were not as extensive as the old survey's. The 2006 analysis method was not as prone to error as that used in the historic work (see History - page 3). It is considered that the analysis method used in the 2006 soil survey would define sources of anomalies more accurately than has been done in the past.

Historic soil sampling work showed the almost entire area of the current CASS property to be highly anomalous in tin. A new soil survey is necessary to define source areas more accurately.

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2.0 INTRODUCTION

Work was performed on the Cass property July 28 - 29, 2006. This report describes the rock and soil sampling done on the property. The work was done to confirm the presence of tin-bearing greisen mineralization and strong tin soil anomalies described in historic assessment reports.

3.0 PROPERTY DESCRIPTION and LOCATION

The Cass Property consists of continuous claims listed in Table No. 1 – Mineral Claim Details. Mineral claims comprising the property are 100% owned by Brett Resources Inc. of Vancouver, B.C.

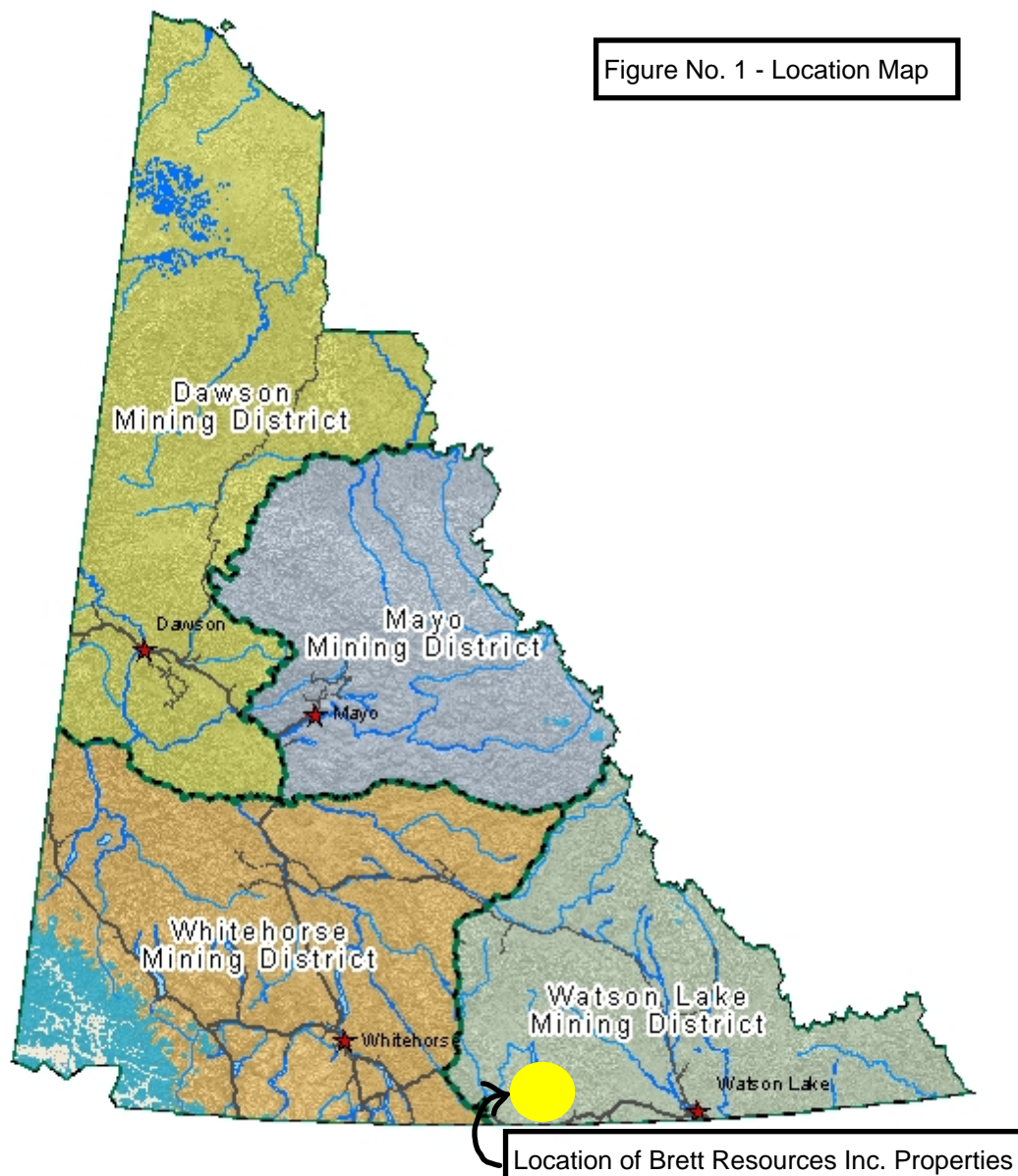
The Cass property is located in the Dorsey Range of the Cassiar Mountains. It is located 35 km northwest of Swift River on the Alaska Highway and approximately 5 km north of Dorsey Lake on NTS map sheet 105B04.

The coordinates of the property are:

Property	UTM Zone 9, Datum NAD83			
<u>Name</u>	<u>Longitude</u>	<u>Latitude</u>	<u>Easting</u>	<u>Northing</u>
CASS	131° 45' W	60° 12' 30" N	348000	6678000

The city of Whitehorse is located 190 km west northwest of the property. Many of the businesses that provide services to the mining industry are headquartered in this city. The town of Watson Lake is located 160 km east of the property.

Figure No. 1 - Location Map



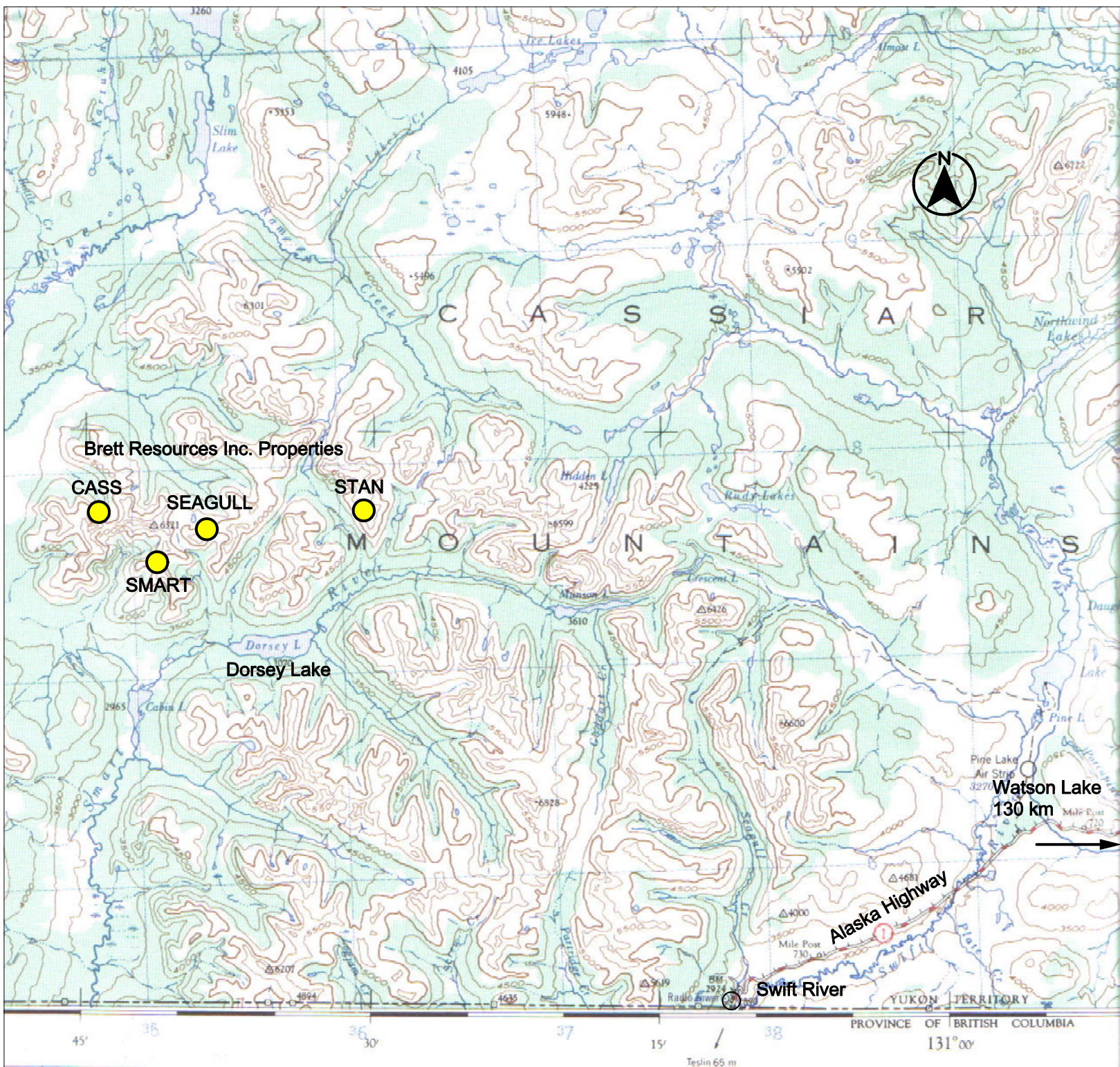


Figure No. 2
Project Location

Universal Transverse Mercator Projection,
Interim corrections 1979

© 1979, Her Majesty the Queen in Right of Canada,
Department of Energy, Mines and Resources.

NTS 105B mapsheet

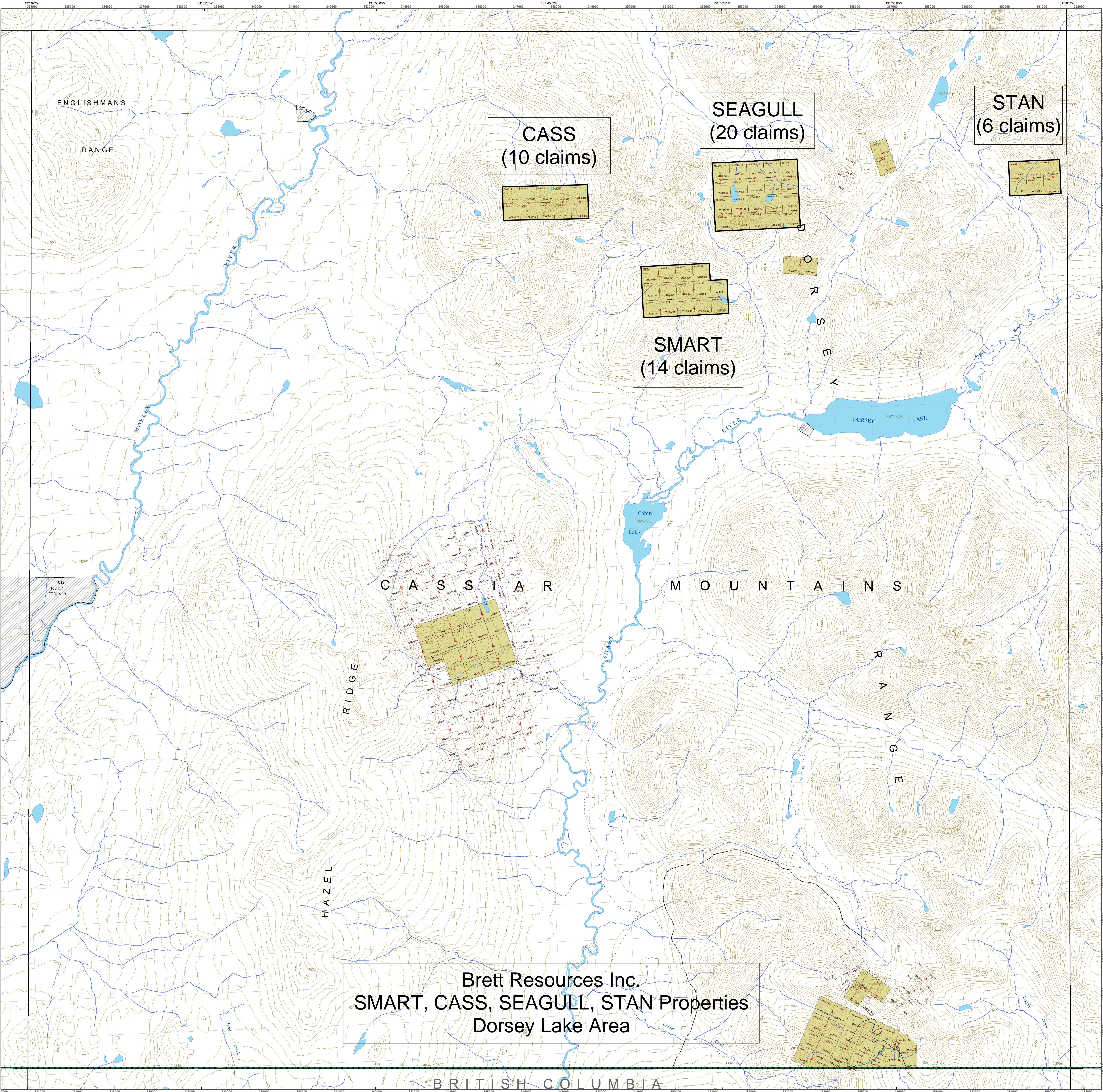
WOLF LAKE

YUKON TERRITORY

Approximate
Scale 1:250,000

1 Inch to 4 Miles Approximately

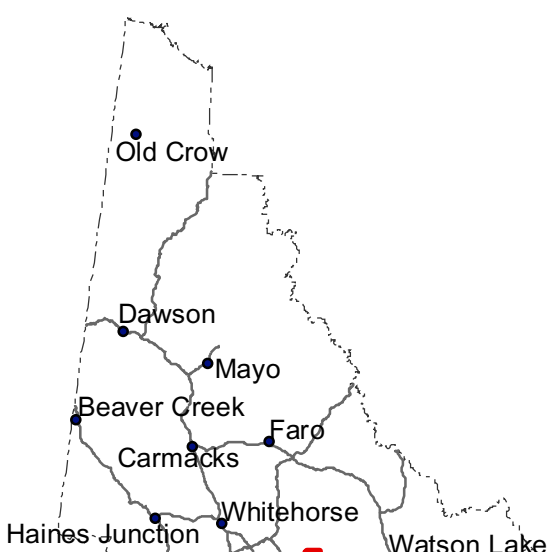




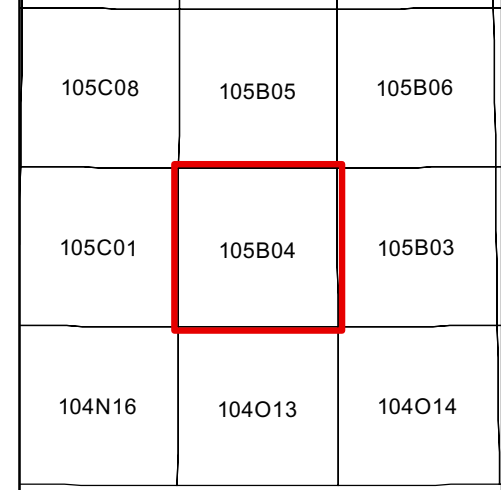
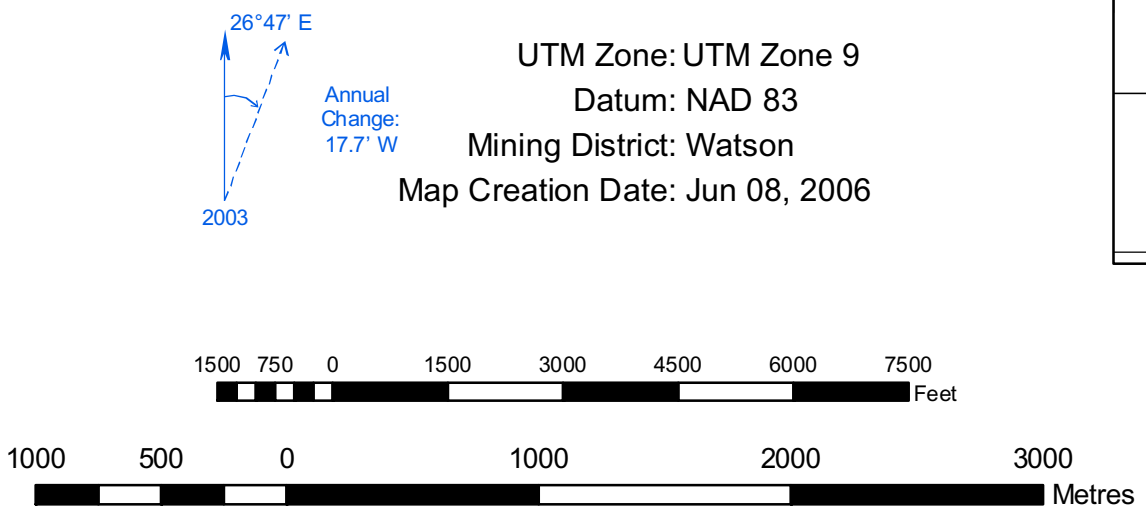
Disclaimer:
This map is a compilation of data obtained from many sources. As such, the Mining Lands Branch accepts no responsibility for errors, inaccuracies, or omissions. Where the map differs from the actual post locations on the ground, the ground location has precedence.
Category A Land - Contact First Nation for staking.
Category B Land - Contact Mining Recorder's Office for staking.
For mining claim information, please contact the Mining Recorder's Office for the appropriate mining district.
Whitehorse District Office
Rm 102 - 300 Main St
Whitehorse, YT Y1A 2B5
Ph: (867) 667-3190 Fax: (867) 667-5150
email: whitehorse.mining@gov.yk.ca
Dawson District Office
Box 249
Dawson City, YT Y0B 1G0
Ph: (867) 993-5343 Fax: (867) 993-6747
email: dawson.mining@gov.yk.ca
Watson District Office
Box 269
Watson Lake, YT Y0A 1G0
Ph: (867) 536-7366 Fax: (867) 536-7842
email: watson.mining@gov.yk.ca
Mayo District Office
Box 10
Mayo, YT Y0B 1M0
Ph: (867) 696-2295 Fax: (867) 996-2617
email: mayo.mining@gov.yk.ca

Sources:
Mining claim locations obtained from staking sketches except for Global Positioning System (GPS) located claims.
1:50000 scale digital topography obtained from Natural Resources Canada National Topographic System data.
Survey data obtained from Natural Resources Canada Legal Surveys Division. For more information, please contact:
Natural Resources Canada Legal Surveys Division, Whitehorse
Rm 225 - 300 Main St
Whitehorse, YT Y1A 2B5
Ph: (867) 667-3950 Fax: (867) 393-6707
email: land.disposition@gov.yk.ca
Lands Information obtained from Energy, Mines and Resources Lands Branch. For more information, please contact:
Energy, Mines and Resources Lands Branch
Rm 320-300 Main St
Whitehorse, YT Y1A 2B5
Ph: (867) 667-4215 Fax: (867) 393-6285
email: land.disposition@gov.yk.ca
Agricultural Information obtained from Energy, Mines and Resources Agriculture Branch. For more information, please contact:
Energy, Mines and Resources Agriculture Branch
Rm 320 - 300 Main St
Whitehorse, YT Y1A 2B5
Ph: (867) 667-5838 Fax: (867) 393-6222
Interim Protected Land Claims Information obtained from Indian and Northern Affairs Canada, Claims and Indian Government Mapping
Mayo, YT Y0B 1M0
Ph: (867) 696-2295 Fax: (867) 996-2617
email: mayo.mining@gov.yk.ca

Other Resources:
For access to airphotos, Mining Assessment Reports, and geology publications:
Yukon Energy, Mines and Resources Library
Rm 335 - 300 Main St
Whitehorse, YT Y1A 2B5
Ph: (867) 667-3111 Fax: (867) 456-3888
email: emr.library@gov.yk.ca
Yukon Geological Survey
Rm 102 - 300 Main St
Whitehorse, YT Y1A 2B5
Ph: (867) 456-3808 Fax: (867) 667-3198
or
2009 2nd Ave
Whitehorse, YT Y1A 2C6
Ph: (867) 667-8598 Fax: (867) 393-6232
Mining District: Watson
Map Creation Date: Jun 08, 2006
Yukon Geological Survey Maps and Publications are available by emailing:
map.sale@gov.yk.ca
or can be downloaded from:
www.geology.gov.yk.ca
Online Resources:
Mining claims maps are also available online at the Yukon Mining Recorder Website:
www.yukonminingrecorder.ca
Yukon Geological Survey Maps, Mirfite, and Publications are also available at the Yukon Geological Survey Website:
www.geology.gov.yk.ca



105B04 MINING CLAIMS



Mining

- Baking Direction
- Placer Baselines
- Mining District Boundaries

Claim Status

- Active Quartz Claim
- Active Placer Claim
- Expired Claim

Coal

- Coal Exploration Licence
- Coal Mining Lease
- Expired Licence or Lease

Areas Withdrawn from Staking

- First Nation Interim Protected Lands
- Parks and Special Management Areas

Areas Not Withdrawn from Staking

- Parks and Special Management Areas

First Nation Settlement Land

Category

- A
- B
- FS

First Nations Surveyed Lands

Category

- A
- B
- FS

NRCan Legal Survey Cadastral

- First Nations Community Lots
- Special Access Rights through FN Lands
- Mineral Claims
- Community Land Transfers (Order in Council)
- Land Dispositions (Lots)
- Easements

EMR Lands

- Land Disposition
- Land Application
- Agricultural Disposition
- Agricultural Application
- Privy Council Orders
- Notation

Mapsheet Index

- 1:10000 Mineral Index
- 1:50000 Mineral Index

Base Map Features

Hydrographic

- Watercourse
- Waterbody
- Intermittent waterbody
- Underwater sand
- Dry river bed

Topography

- Contours
- Transportation Routes
- Highway
- Main
- Secondary
- Street
- Limited-use road
- Trail
- Cut line
- Railway
- Bridge
- Foot bridge
- Ferry route
- Ford



4.0 MINERAL CLAIMS

Table No. 1 Cass Property Mineral Claims Details

Note: 'Expiry Dates' are before acceptance of work described in this report.

<u>Claim Name</u>	<u>Grant No.</u>	<u>Expiry Date:</u>	<u>Area (hectares)</u>	<u>Registered Owner:</u>
CASS Property			209.0	
CASS 1	YC29309	Sept 22, 2006		Brett Resources Inc.
CASS 2	YC29310	Sept 22, 2006		Brett Resources Inc.
CASS 3	YC29311	Sept 22, 2006		Brett Resources Inc.
CASS 4	YC29312	Sept 22, 2006		Brett Resources Inc.
CASS 5	YC29313	Sept 22, 2006		Brett Resources Inc.
CASS 6	YC29314	Sept 22, 2006		Brett Resources Inc.
CASS 7	YC29315	Sept 22, 2006		Brett Resources Inc.
CASS 8	YC29316	Sept 22, 2006		Brett Resources Inc.
CASS 9	YC29317	Sept 22, 2006		Brett Resources Inc.
CASS 10	YC29318	Sept 22, 2006		Brett Resources Inc.

5.0 PHYSIOGRAPHY and ACCESSIBILITY

The overall area has long cold winters and short moderate summers. Snow restricts the work season to June to September.

Topography is fairly rugged. Elevations on Cass property range from approximately 1,370 metres (4,500 feet) to 1,770 metres (5,800 feet). The general area of the property has been glaciated with U-shaped valleys and cirques in the headwalls of valleys. The lower areas are treed by conifers. Ground birch and sedges grow in sub-alpine and alpine areas. Streams and ponds for camp or drilling purposes exist. A helicopter was used to access the property.

6.0 HISTORY

1978: The SWIFT group of claims were staked for Duval International Corp. and Du Pont of Canada Exploration Ltd. (Joint Venture) to cover areas of gossan. Prospecting and reconnaissance soil sampling traverses were done over the eastern part of the present CASS claims. Numerous soils were anomalous in tin. Chip sampling in areas of greisen alteration produced results of:

0.50% Sn over 15 m

0.30% Sn over 30 m

0.78% Sn over a 5m x 5m area

0.56% Sn over 2 m.

Most of the samples were analyzed in the field by X-ray fluorescence (XRF) 'assay' method. The Joint Venture continued to use this method in their work until 1981 when it was concluded that the XRF technique was often providing falsely high 'assays' due to inherent limitations in this method.

DC Syndicate (Dome Mines Ltd. & Cominco Ltd.) staked the PLUG 1 - 12 claims during a local staking rush to cover a small intrusive plug. Soil samples were collected over a grid and geological mapping was done. No later work was recorded for these claims. The claims were located approximately 600 m from the southwest side of the present CASS claims.

1979: Geological mapping and detailed soil (approx. 350 soils) and rock (approx. 150 rocks) sampling was done in the area of the eastern part (MC Ridge & Cirque Floor) of the present CASS claims. Major tin soil anomalies were discovered. Soils were analyzed by XRF; the method was later deemed unreliable. It is uncertain what analysis method was used on the rocks. Diamond drilling was proposed to test the depth extensions of tin bearing zones.

1980: Four diamond drill holes (950.6 m) were completed in the area of MC Ridge & Cirque Floor. All tin values were determined by XRF, later deemed unreliable.

1981: Two diamond drill holes (416.8 m) were completed northeast of the previous year's drilling. The samples were analyzed by XRF and conventional geochem methods. At this point it was determined that the XRF method was not reliable; results were uneconomic.

1984: Four diamond drill holes (218.3 m) were completed approximately 2 km northeast of the Cirque Floor area. Analyses were by conventional geochem and assay; results were uneconomic.

2005: The present CASS claims were staked for Brett Resources Inc.

7.0 EXPLORATION PROGRAM - 2006

7.1 Economic Targets and Work Done

Rock and soil sampling was done on the property. The economic target of the 2006 survey was greisen hosted tin in sedimentary rocks. 10 rock, 3 stream sediment and 86 soil samples were collected.

7.2 Sampling Method and Approach

Sites where rock samples were collected were described and a few structural measurements were made. No detailed geological mapping was done. Rock samples were bagged and tied prior to shipment. Rock samples were representative grabs or chips over a certain distance as described for each sample in Appendix A – Rock Sample Descriptions. A GPS instrument was used to determine the UTM coordinates of sample locations and the ends of soil sampling lines.

7.3 Laboratory Method in Sample Preparation and Analyses

All samples were sent to ACME Analytical Laboratories Ltd. of Vancouver, B.C. Their laboratory methods are described in Appendix B – Analytical Methods. Rock samples were analyzed using ACME lab's Analysis Group 7PF. Determination is by Inductively Coupled Plasma (ICP) emission spectrometry. Sodium peroxide fusion is used on refractory elements (including tin and tungsten). 10 elements were analyzed for in the rock samples. Soil and stream sediment samples were analyzed using ACME lab's Analysis Group 4B. This analysis package comprises two separate analyses. Rare earth and refractory elements are determined by ICP mass spectrometry following a lithium metaborate / tetraborate fusion and nitric digestion. A separate split is digested in aqua regia and analyzed by ICP mass spectrometry. 45 elements were analyzed for.

All lab results are in Appendix C – Analytical Data. Concentrations are reported in percent, parts per million (ppm) or parts per billion (ppb).

8.0 GEOLOGY

8.1 Regional Geology:

The area of the Cass property is within the Ominica Crystalline Belt of the northern Cordillera. In the general area of the property occur sedimentary rocks of the of lower Carboniferous age and older Swift River Group belonging to the Yukon - Tanana Terrane. These are unconformably overlain by sediments and volcanic fragmental rocks of Carboniferous to Permian age Klinkit Group of the Overlap Assemblages. These stratigraphic groups are intruded by granites and monzonites of mid - Cretaceous age Seagull Batholith.

8.2 Local Geology:

At the CASS property, argillite and limestone are intruded by granitic rocks of the Seagull Batholith. Tin bearing skarn mineralization occurs in greisen altered fracture zones and zones of parallel quartz and carbonate veins in the sedimentary rocks.

9.0 SURVEY RESULTS

9.1 Rock Sampling Results

The presence of tin mineralization was confirmed at MC Ridge and Cirque Floor areas. Grab samples were taken at sloughed in trenches at MC Ridge. where the highest assay was 0.15% Sn. At Cirque Floor area the highest assay was 0.35% Sn. The rock samples consisted of siliceous argillite with minor quartz veining.

9.2 Soil Sampling Results

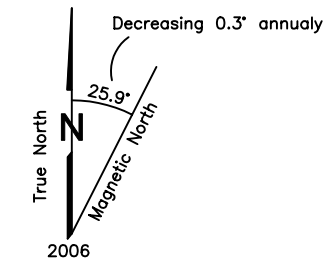
The 2006 soil survey confirmed the existence of highly anomalous tin at MC Ridge and Cirque Floor though the new survey's anomalies were not as extensive as the old survey's. At MC Ridge two soils were over 500 ppm Sn. The highest value soil was 799 ppm Sn, at Cirque Floor. The anomalous soils occurred near where anomalous rocks were collected in 2006 and where extensive trenching was done on MC Ridge in historic work.

10.0 CONCLUSIONS

1. The presence of anomalous tin in rocks and soils on CASS property was confirmed. The 2006 survey anomalies are not as extensive as the historic survey; the historic soil survey had a strong tin soil anomaly over almost the entire current CASS claims.
2. The laboratory analysis method used in 2006 would do better than the historic method used at defining source areas and rock sampling and drill targets.

11.0 RECOMMENDATIONS

1. A complete soil survey over the CASS property should be done to more accurately define anomalous areas than has been done in historic work.
2. Geologic mapping should be done to define mineralized fracture zones and their orientation.
3. Pending the results of the geological and geochemical work above, a 1,000 m diamond drill program is recommended to determine the size and nature of the mineralized targets.



LEGEND

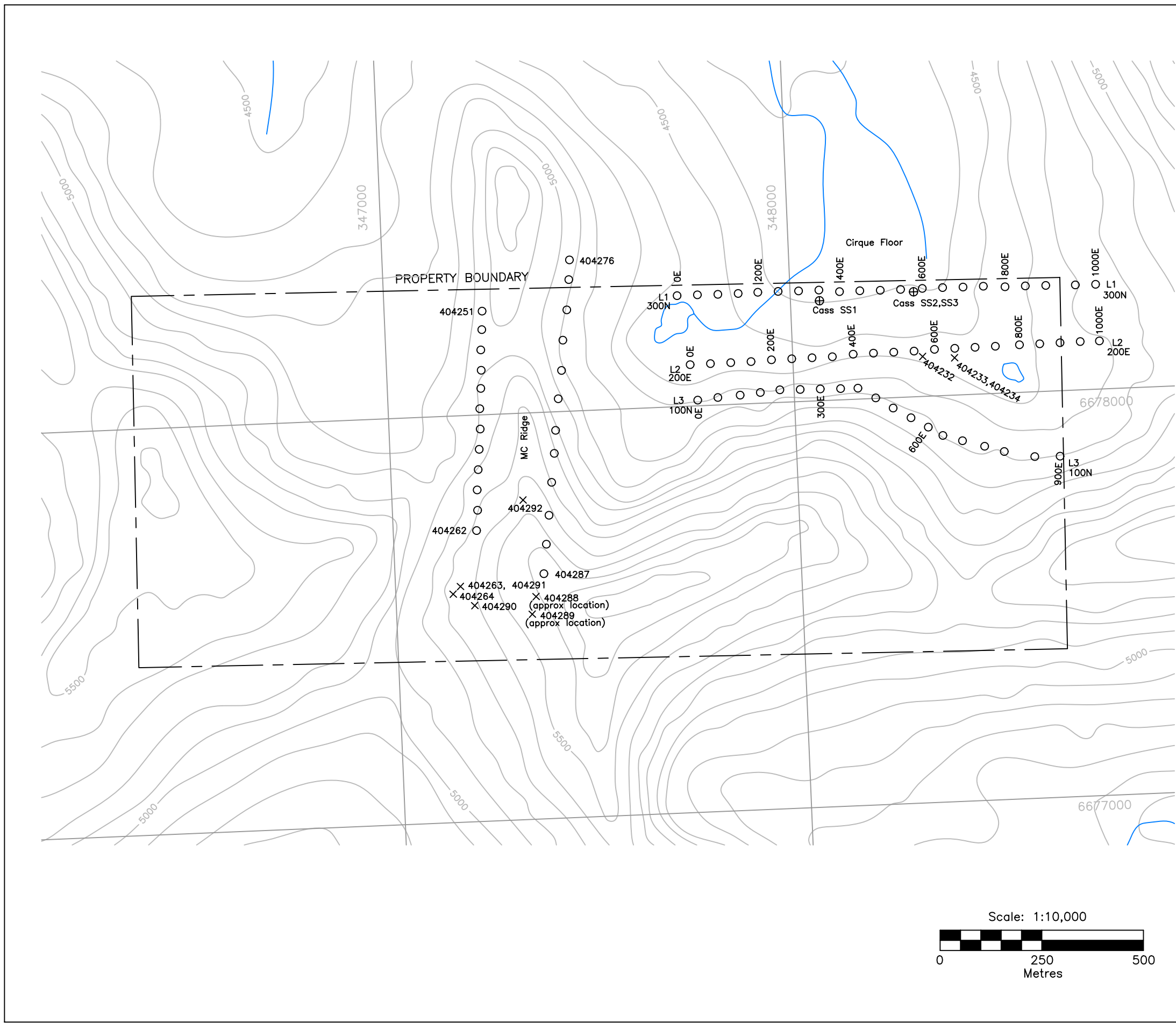
- TOPOGRAPHIC CONTOUR & ELEVATION
CONTOUR INTERVAL 100 FEET
- CREEK & POND
- sample# ROCK SAMPLE
- sample# SOIL SAMPLE
- sample# STREAM SEDIMENT SAMPLE

UTM Coordinate System
Map Datum: NAD 83
Zone: 9

BRETT RESOURCES INC.
CASS PROPERTY
Sample Locations

Watson Lake Mining District, Yukon Territory

NTS Mapsheet: 105B4	Date: Sept 25, 2006
Drawn by: RT, BH	Fig.No. 4



APPENDIX A
ROCK SAMPLE DESCRIPTIONS

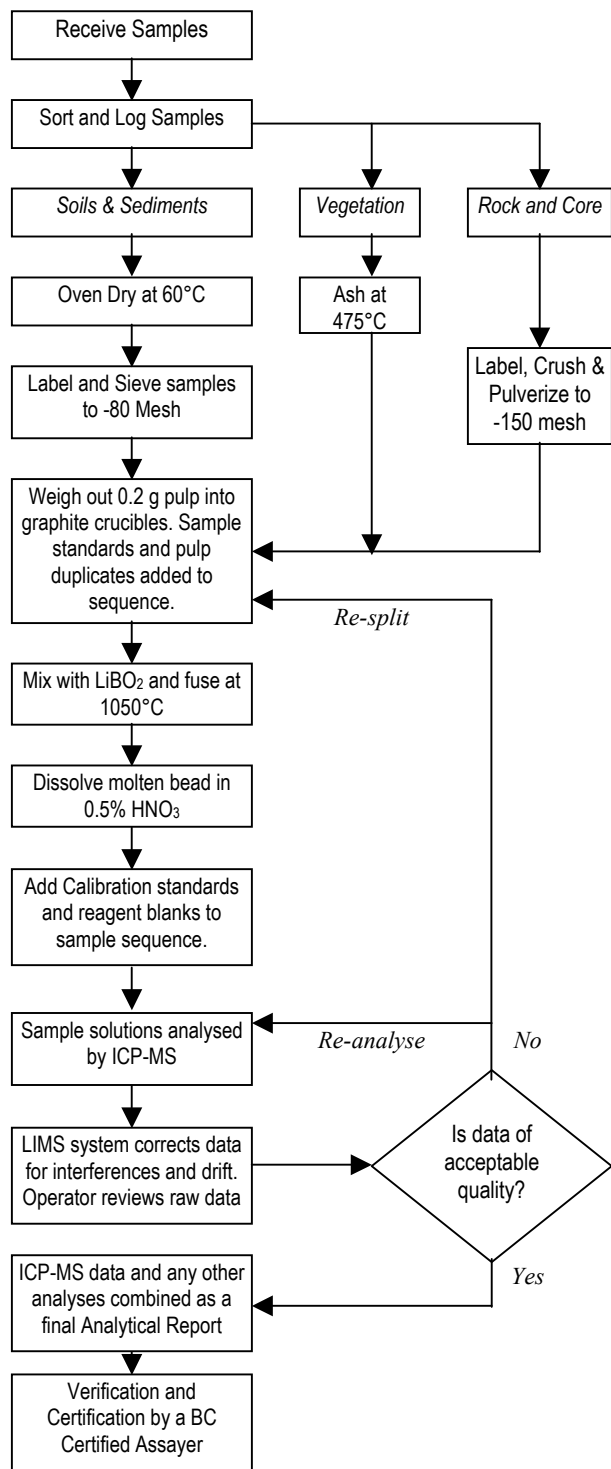
Sample No.	Location (NAD83 Coordinates)	
	Easting	Northing
404232	348311	6678103
Grab. Siliceous argillite. Apparent fault running north/south here.		
404233	348402	6678101
Grab from north end of old trench. Siliceous argillite, quartz attached.		
404234	348402	6678101
Grab from south end of old trench. Siliceous argillite.		
404263	347160	6677581
Grab. Siliceous argillite. Close to sample 404291.		
404264	347141	6677562
Grab. Siliceous argillite.		
404288		
Grab. Siliceous argillite. Minor quartz veining. See map for approximate location.		
404289		
Grab. Siliceous argillite. Minor quartz veining. See map for approximate location.		
404290	347192	6672532
Grab. Siliceous argillite.		
404291	347160	6677581
Grab. Siliceous argillite.		
404292	347323	6677787
Grab. Siliceous argillite.		

APPENDIX B
ANALYTICAL METHODS



METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 4B - WHOLE ROCK TRACE ELEMENTS BY ICP-MS

Analytical Process



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 µm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 µm) in a mild-steel ring-and-puck mill.

Sample Digestion

A 0.2 g samples aliquot is weighed into a graphite crucible and mixed with 1.5 g of LiBO₂ flux. The flux/sample charge is heated in a muffle furnace for 15 minutes at 1050°C. The molten mixture is removed and immediately poured into 100 mL of 5% HNO₃ (ACS grade nitric acid in de-mineralised water). The solution is shaken for 2 hours then an aliquot is poured into a polypropylene test tube. Calibration standards, verification standards and reagent blanks are added to the sample sequence.

Sample Analysis

Sample solutions are aspirated into an ICP mass spectrometer (Perkin-Elmer Elan 6000 or 9000) for the determination of the basic package consisting of the following 34 elements: Ba, Co, Cs, Ga, Hf, Nb, Rb, Sn, Sr, Ta, Th, Ti, U, V, W, Y, Zr, La, Ce, Pr, Nd, Sm, Eu, Gd, Tb, Dy, Ho, Er, Tm, Yb and Lu. A second sample split of 0.5 g is digested in Aqua Regia and analysed by ICP-MS (see Group 1DX) to determine: Au, Ag, As, Bi, Cd, Cu, Hg, Mo, Ni, Pb, Sb, Se, Tl and Zn.

Quality Control and Data Verification

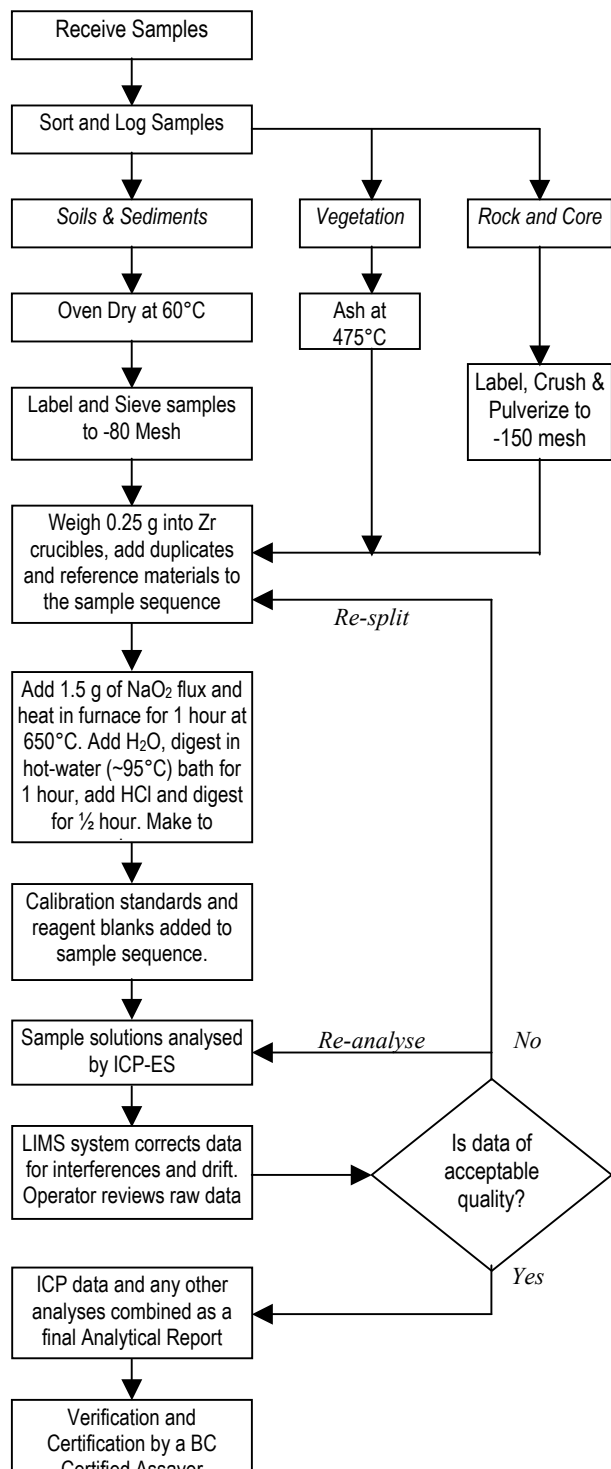
An Analytical Batch (1 page) comprises 34 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only), two reagent blanks to measure background and aliquots of in-house Standard Reference Materials like STD SO-18 to monitor accuracy. STD SO-18 was certified in-house against Certified Reference Materials including CANMET SY-4 and USGS AGV-2, G-2, BCR-2 and W-2.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga Marcus Lau, Jacky Wang and Ken Kwok.



METHODS AND SPECIFICATIONS FOR ANALYTICAL PACKAGE GROUP 7PF – MULTI-ELEMENT ASSAY BY ICP-ES • NaO_2 FUSION DIGESTION

Analytical Process



Comments

Sample Preparation

All samples are dried at 60°C. Soil and sediment are sieved to -80 mesh (-177 μm). Moss-mats are disaggregated then sieved to yield -80 mesh sediment. Vegetation is pulverized or ashed (475°C). Rock and drill core is jaw crushed to 70% passing 10 mesh (2 mm), a 250 g riffle split is then pulverized to 95% passing 150 mesh (100 μm) in a mild-steel ring-and-puck mill. Pulp splits of 0.25 g are weighed into zirconium crucibles.

Sample Digestion

Sodium peroxide flux (1.5 g) is stirred into the sample and the mix is fused at 650°C for 1 hour. After cooling, 50 mL of Type 1 water is added and heated for 1 hour in a boiling-water bath (~95°C). A 10 mL aliquot of concentrated HCl is added and the solution is digested for an additional ½ hour at 95°C. The solution is cooled and made up to volume in a plastic graduated cylinder using Type 1 water. Solutions (10 mL aliquots) are transferred to plastic test tubes prior to analysis.

Sample Analysis

Solutions aspirated into a Jarrel Ash Atomcomp model 800 or 975 ICP atomic-emission spectrometer are analysed for a 5 element package comprising: B, Cr, Fe, Sn and W.

Quality Control and Data Verification

An Analytical Batch (1 page) comprises 30 samples. QA/QC protocol incorporates a sample-prep blank (SI or G-1) carried through all stages of preparation and analysis as the first sample, a pulp duplicate to monitor analytical precision, a -10 mesh rejects duplicate to monitor sub-sampling variation (drill core only) and aliquots of reference materials including in-house standards LiB-10, W-4 and Cr-1 also CANMET certified reference material MP-1a to monitor accuracy.

Raw and final data undergo a final verification by a British Columbia Certified Assayer who signs the Analytical Report before it is released to the client. Chief Assayer is Clarence Leong, other certified assayers are Leo Arciaga, Ken Kwok, Marcus Lau, Dean Toye and Jacky Wang.

APPENDIX C
ANALYTICAL DATA

CASS ROCK SAMPLING - 2006

Certificate Number	Sample Name	UTM (NAD 83)		Width (metres)	Sn %	W %	B %	Cr %	Cu %	Fe %	Nb %	Ni %	Ta %	Zn %
		Easting	Northing											
SMART Property Samples														
A605250.csv	404232	348311	6678103	grab	<.01	<.01	<.01	0.01	0.01	5.83	<.01	<.01	<.01	0.01
A605250.csv	404233	348402	6678101	grab	0.35	0.01	<.01	<.01	0.02	19.7	<.01	<.01	<.01	0.03
A605250.csv	404234	348402	6678101	grab	0.01	<.01	<.01	0.01	<.01	2.43	<.01	<.01	<.01	0.01
A605250.csv	404263	347160	6677581	grab	<.01	<.01	<.01	0.01	<.01	3.52	<.01	<.01	<.01	0.01
A605250.csv	404264	347141	6677562	grab	0.01	<.01	1.72	0.01	<.01	3.04	<.01	<.01	<.01	0.05
A605250.csv	404288			grab	0.15	<.01	0.22	0.01	0.01	4.89	<.01	<.01	<.01	0.05
A605250.csv	404289			grab	0.01	<.01	0.02	0.01	<.01	1.25	<.01	<.01	<.01	0.01
A605250.csv	404290	347192	6672532	grab	<.01	<.01	0.01	0.01	0.01	2.46	<.01	<.01	<.01	0.01
A605250.csv	404291	347160	6677581	grab	0.01	<.01	0.03	0.01	<.01	3.42	<.01	<.01	<.01	0.02
A605250.csv	404292	347323	6677787	grab	0.01	<.01	0.04	0.01	<.01	1.92	<.01	<.01	<.01	0.01

Note:

Sn values

0.1 - 0.49%

CASS STREAM and SOIL SAMPLING 2006

Certificate Number	Sample Name	UTM (NAD 83)		Sn ppm	W ppm	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ni ppm	As ppm	Cd ppm	Sb ppm	Bi ppm	Ag ppm	Au ppb	Hg ppm	Tl ppm	Se ppm	Ba ppm	Be ppm	Co ppm	Cs ppm	Ga ppm	Hf ppm	Nb ppm	Rb ppm	Sr ppm	Ta ppm	Th ppm	U ppm	V ppm	Zr ppm	Y ppm	La ppm	Ce ppm	Pr ppm	Nd ppm	Sm ppm	Eu ppm	Gd ppm	Tb ppm	Dy ppm	Ho ppm	Er ppm	Tm ppm	Yb ppm	Lu ppm		
CASS Property Stream Sediment Samples																																																		
A605249.csv	Cass SS1	348 073	6 678 271	18	4.9	7.1	166	190.5	582	74.6	429.1	3.5	10	3.4	1.2	15.6	0.13	1.6	2	1460	3	40.9	17.9	16.2	4.2	12.7	112	138	0.7	9.6	6.8	119	128	34.9	34.3	68.2	9.07	37.3	7.3	1.9	7.35	1.13	5.46	1.05	2.69	0.45	2.87	0.46		
A605249.csv	Cass SS2	348 319	6 678 261	41	6.1	1.8	120	79.6	718	124	320.4	4.1	3.1	3.8	0.6	6.2	0.04	0.6	1.4	749.4	4	32.5	16.5	16.1	4.6	27.1	83.4	217	3.2	8.5	8.2	149	126	40.5	26.2	52.1	7.27	28.7	6.9	0.96	6.4	0.98	5.61	1.18	3.45	0.55	3.28	0.48		
A605249.csv	Cass SS3	348 319	6 678 268	32	5	3.7	108	101.4	659	52.2	220.6	4.5	3.3	3.2	0.7	7	0.04	0.5	2.5	802.7	5	24.3	16.7	16.9	4.6	21.2	81.1	170	1.3	14.2	11	131	131	81.7	45	61.5	12.6	50.9	12.9	1.13	12.5	2.33	12.5	2.35	6.84	0.97	5.56	0.8		
CASS Property Soil Samples																																																		
A605248.csv	300N 0E	347 722	6 678 273	10	2.5	0.5	16.3	15.4	5	9	10.7	0.1	1.1	0.5	1.8	1.6	0.03	0.3	<5	963.6	1	6.7	6.1	17.8	4.3	11.9	71.1	351	0.7	6.9	2.6	77	173	14.8	20.5	43.7	4.93	21.1	3	0.84	2.57	0.4	2.59	0.42	1.58	0.25	1.35	0.19		
A605248.csv	300N 50E			46	3.8	1.8	35.7	25.9	29	11.5	38.4	<.1	2.6	0.9	0.2	4.5	0.05	0.2	0.6	869.9	1	8.1	7.9	17.6	5.8	21	58.6	101	1.5	5.4	3.1	136	203	21.3	25	46.7	5.5	22.6	4	0.89	3.22	0.58	3.49	0.64	2	0.34	2.1	0.3		
A605248.csv	300N 100E			19	3.6	1.3	17.1	29.3	53	10.6	27.8	0.1	1.9	0.9	<.1	2.4	0.02	0.2	<5	1078	1	5.5	6.4	19.5	6	19.6	80.8	95.7	1.4	5.7	3.3	129	212	20.8	24.5	49.7	5.83	22.1	3.9	0.72	2.87	0.59	2.86	0.63	1.84	0.32	2.09	0.3		
A605248.csv	300N 150E			8	4.4	2.7	89.7	32.9	138	37	25.1	0.4	1.8	0.6	0.6	5.9	0.07	0.3	1	830.1	2	13	9.6	17	4.8	16.6	68.8	119	1.1	9.3	4.9	128	166	22.1	25.4	50.4	5.95	25.9	3.9	1.12	3.72	0.73	4.01	0.7	2.05	0.31	1.82	0.28		
A605248.csv	300N 200E			15	4.4	2.2	21.8	38.6	76	13.8	26.9	0.3	2.4	1	0.2	2.9	0.01	0.3	<5	974.3	1	7.1	13	23.2	5.7	19.8	92.4	145	1.2	6	2.9	147	194	21.9	24.5	53.9	5.76	24.1	3.8	0.85	2.84	0.56	3.7	0.68	2.12	0.3	1.92	0.34		
A605248.csv	300N 250E			3	3.1	1.5	38.2	27.6	161	23	26.1	0.8	3.1	0.4	0.3	2	0.03	0.5	0.6	886.7	2	16.3	10.5	15.9	3.9	8.5	62.2	318	0.5	7.1	3.6	76	142	15.2	18.6	36.8	4.49	18.2	3.2	0.83	2.23	0.47	2.6	0.42	1.46	0.19	1.39	0.21		
A605248.csv	300N 300E			7	2.2	0.9	9.6	9.8	24	4.2	5.4	0.2	1	0.4	<.1	0.9	0.02	0.2	<5	684.6	1	10.4	5.8	13.8	5.3	11.6	45.3	313	0.7	4.2	1.9	130	187	19.9	16.7	37.1	4.26	18.6	3.1	0.73	2.94	0.58	3.05	0.65	1.98	0.31	1.86	0.33		
A605248.csv	300N 350E			8	3	1.1	31.6	31	180	23.8	26.6	0.6	1.4	1	0.2	1.4	0.04	0.3	<5	947.4	1	12.1	9.9	19.5	5.3	18.9	85.9	259	1.4	6.8	3.1	104	175	19	23.3	49.3	5.56	22.2	3.1	0.98	3.15	0.58	3.17	0.6	1.84	0.32	2.01	0.32		
A605248.csv	300N 400E			8	2.7	1.6	45	30.3	153	28.8	34.9	0.4	2.1	0.9	0.2	3.3	0.05	0.3	0.5	837.5	2	14.2	11.3	17.7	4.9	19.9	88.2	126	1.2	9	2.9	126	179	19.2	23.7	53	5.43	22.5	3.4	0.81	3.2	0.59	3.24	0.63	1.89	0.31	1.74	0.3		
A605248.csv	300N 450E			11	3.4	2.1	21.8	13.4	62	11.2	13.9	0.1	1.6	0.9	0.2	1.8	0.03	0.3	0.2	0.7	763.5	2	7.3	10.1	18.7	4	11.5	59.1	104	0.8	4.4	2.5	178	147	18.5	12.9	25.9	3.45	14.2	2.6	0.68	2.56	0.47	2.96	0.5	1.82	0.3	1.66	0.26	
A605248.csv	300N 500E			18	8.6	2	38.2	104.8	151	16.8	116.8	0.3	1.1	5.1	0.8	4.4	0.05	0.2	1	2662	2	6	9.4	15	2.8	9.7	81.1	156	0.6	5.5	3.4	121	96.3	16.6	15.3	27.8	3.72	15.2	2.9	0.64	2.66	0.46	2.82	0.52	1.53	0.24	1.42	0.21		
A605248.csv	300N 550E			24	5.1	1.4	16.4	26.6	49	10.2	30.3	0.1	2.5	1.8	0.2	0.9	0.02	0.4	<5	948.9	2	4.8	14	18	6.9	27.8	86.8	115	2.1	8	3.4	137	273	22.5	25.3	53.6	5.97	24.2	3.6	0.8	3.01	0.56	3.8	0.7	2.28	0.35	2.16	0.36		
A605248.csv	300N 600E			15	9.8	1.6	65.6	44.5	623	94.7	317.4	0.8	4.5	3	0.2	31.8	0.02	0.5	0.7	1944	6	26.4	17.8	18.3	3.5	18.2	85.9	105	1.1	5.5	3.2	198	126	23.4	15.8	35.9	4.38	17.9	3.2	0.67	3.21	0.58	4.12	0.74	2	0.33	2.13	0.34		
A605248.csv	300N 650E			23	8.9	1.1	35.2	24.6	219	23.9	45.4	1.3	1.1	1.3	0.2	1	0.03	0.2	<5	852.1	3	11.7	10	17.7	6.4	33	74.6	222	2.6	10	4.2	107	242	32.1	33.8	68.4	8.4	33.9	6	1.1	5.27	0.99	5.46	0.99	2.98	0.43	2.49	0.46		
A605248.csv	300N 700E			16	4.2	0.6	32.9	12.6	117	28.3	20	0.3	0.9	1.6	0.1	0.8	0.03	0.3	<5	1204	1	15.4	11.5	22.9	5.6	58.4	70.8	234	3.8	5.2	1.9	152	226	22.1	30.2	56.3	6.62	26.3	4.1	1.06	3.16	0.58	3.62	0.66	2.03	0.32	2.06	0.35		
A605248.csv	300N 750E			7	2.9	1.4	23.2	23.8	142	21.4	18.1	0.4	0.7	0.6	0.2	1.9	0.03	0.2	<5	1091	3	22.5	7.2	21.2	6.6	46.7	47.2	234	2.9	5.8	3	169	222	31.1	26.5	54.2	6.94	27.8	5.2	1.42	4.55	0.89	5.03	0.89	2.95	0.43	2.59	0.37		
A605248.csv	300N 800E			12	3.4	1.1	51.3	27.8	265	41.4	51.7	0.6	1.6	1.1	0.3	2.6	0.03	0.3	0.5	1200	3	18.5	10.4	17.9	4.2	22.2	71.9	155	1.3	10.1	4.1	139	168	36.4	26.6	73.5	7.25	28.2	5.8	1.05	5.41	0.96	6.65	1.11	3.58	0.53	2.66	0.47		
A605248.csv	300N 850E			15	3	1.5	28.8	33.1	76	16.1	27	0.4	1.5	1.2	0.1	1.6	0.02	0.2	<5	1314	2	9.9	12.7	22.2	6.2	35.8	89.8	166	2.5	11.5	4.9	134	234	35.8	30.8	60.3	7.65	28.6	5.4	0.98	4.81	0.92	5.86	1.08	3.28	0.46	2.69	0.42		
A605248.csv	300N 900E			6	1.9	1	41	18.3	126	23.4	48.5	0.3	1.1	1	0.2	1.4	0.04	0.3	0.6	1035	3	21.8	6.9	18.5	4.2	25.6	51.1	185	1.8	5.5	3.8	137	155	48.5	32.1	52.9	8.79	38.3	7.9	1.21	7.42	1.31	7.85	1.43	4.17	0.6	3.3	0.5		
A605248.csv	300N 950E			4	1.8	1	107	25.8	182	39.8	97.3	0.4	0.8	1.2	0.2	2.9	0.04	0.3	0.5	1039	3	26.7	7.1	22.4	4.3	26.7	56.5	169	1.9	12.4	5.4	152	166	55.2	32.8	65.5	9.37	36.9	8.8	1.18	8.23	1.67	9.69	1.86	5.26	0.76	4.12	0.65		
A605248.csv	300N 1000E	348 752	6 678 276	4	2.1	1.2	108	21.6	137	36	68.2	0.3	0.9	1.4	0.1	4.1	0.04	0.3	0.6	1174	3	23.7	8.1	20.7	4.1	25.6	64.8	168	1.9	12.6	7.1	146	160	74.2	38.4	79.5	11.3	47	10.6	1.29	11.2	2.07	13.8	2.32	6.87	0.98	5.75	0.87		
A605248.csv	200N 0E	347 747	6 678 102	31	3.2	1.5	42.7	30.4	126	27.6	26.9	0.3	3.1	0.8	0.2	2.1	0.03	0.4	0.8	984.6	2	10.7	11	18.5	5.5	15.8	96.8	199	1.2	9.2	3.5	112	192	23.3	28.5	64.4	7.02	29.4	5	1	3.9	0.63	4.1	0.73	2.38	0.37	2.12	0.34		
A605248.csv	200N 50E			21	3.4	2.2	78	29.6	229	60.9	55.6	0.5	4.2	0.9	0.1	5.3	0.02	0.4	0.8	938.3	3	25	10.6	16.8	3.9																									

CASS STREAM and SOIL SAMPLING 2006

Certificate Number	Sample Name	UTM (NAD 83)		Sn	W	Mo	Cu	Pb	Zn	Ni	As	Cd	Sb	Bi	Ag	Au	Hg	Tl	Se	Ba	Be	Co	Cs	Ga	Hf	Nb	Rb	Sr	Ta	Th	U	V	Zr	Y	La	Ce	Pr	Nd	Sm	Eu	Gd	Tb	Dy	Ho	Er	Tm	Yb	Lu
		Easting	Northing	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
A605248.csv	100N 600E	348 361	6 677 902	8	3	1.4	69.3	52	196	44.6	49.8	1.1	4.9	0.6	0.3	3.3	0.04	0.7	0.6	1208	2	20	7	13.3	5.4	14.6	86.1	205	1	8.2	3.9	115	192	31.5	30.5	65.7	7.98	29.5	6.8	1.32	5.61	0.99	5.1	0.89	2.97	0.47	2.44	0.36
A605248.csv	100N 650E			7	3.7	2.5	88.2	196.4	526	54.3	43.6	0.8	7	1	0.4	4.4	0.12	1.4	1	1391	3	29	15.4	17.5	3.3	12.2	82.9	117	0.8	8.3	5	126	118	37.1	27.1	54.9	7.52	29.9	7.3	1.52	6.74	1.12	5.77	0.95	3.31	0.48	2.81	0.37
A605248.csv	100N 700E			15	4.3	1.6	103	62.2	284	76.4	84.5	0.5	3.2	1.2	0.3	4.8	0.04	0.6	0.7	939.4	3	26	13.7	18.5	5.1	17.2	94.2	180	1	9.8	7.3	151	167	34.3	28.8	58.1	7.88	28.6	5.3	1.29	6.29	1.06	5.85	0.99	3.25	0.42	2.43	0.4
A605248.csv	100N 750E			26	8	3.1	417	1439	3507	114	258.3	11	7	7.4	2.9	14.2	0.05	0.7	1.7	876.7	6	35.9	17	18.3	3.8	13.3	86.1	141	0.8	8.1	4.1	161	133	34.3	27.4	60.1	7.78	31.7	6.4	1.69	6.57	1.24	5.49	1.05	2.82	0.46	2.73	0.38
A605248.csv	100N 800E	348 559	6 677 841	14	3.7	2.9	96.5	191.6	1510	110	458.2	4.4	3.7	4.1	0.8	3.1	0.06	0.6	0.9	579.6	3	31.2	17.1	16.6	2.8	8.7	72.9	205	0.5	4.9	3.2	127	99.1	20.5	21	35.5	5.31	21.4	3.6	1.21	3.77	0.7	2.9	0.66	1.79	0.28	1.77	0.25
A605248.csv	100N 850E			9	9.6	5.1	186	138.6	451	98.5	87	1.7	9.2	1.6	1	56.5	0.04	0.7	1.6	891	5	73.5	17.8	17.9	3.5	9.9	90.6	281	0.6	9.6	4.1	129	131	29.6	32.8	78.3	8.44	31.2	6.3	1.41	5.81	1.05	5.2	0.85	2.69	0.48	2.74	0.38
A605248.csv	100N 900E	348 647	6 677 839	13	6.3	4.2	179	178.9	657	148	121.6	6.7	9.4	2	0.8	6.3	0.03	0.9	1.1	882.9	6	74	19.3	17.6	3.4	10.2	93.8	317	0.7	6.8	3.6	139	113	28.5	30.3	77.6	7.95	32.7	5.7	1.41	5.21	1.01	4.75	0.84	2.59	0.42	2.3	0.43
A605248.csv	404251	347 241	6 678 258	4	12.4	1.2	63	38.7	96	42.8	19.7	0.3	1.8	0.4	0.1	2.2	0.04	0.4	<5	629.5	7	25.9	16.2	19.7	6	15.7	136	69	1	18.8	3.1	119	171	25.7	44.1	108	11	40.9	6.5	1.49	5.24	0.9	4.43	0.78	2.29	0.39	2.42	0.38
A605248.csv	404252			10	3.2	1.2	35.1	30.3	77	31.8	16	0.3	1.8	0.4	0.1	1.5	0.04	0.2	<5	639.6	5	20.2	10.9	15.6	6.6	16.3	78.6	149	1.1	10.7	3.3	110	261	21.6	33.8	85.2	8.61	29.4	5.9	1.15	4.28	0.74	3.62	0.68	2.18	0.32	1.93	0.3
A605248.csv	404253			38	13.6	1.8	187	36.9	132	209	63	0.7	8.8	1.5	0.5	43.3	0.02	0.7	0.6	631.3	7	62	18.6	17.1	2.7	9	56.4	302	0.7	7.5	2.2	196	108	23.6	19.9	48.2	5.49	20.6	4.8	1.06	4.42	0.71	4.43	0.72	2.51	0.39	1.95	0.29
A605248.csv	404254			8	4.8	5.8	97.8	18.8	99	65.4	20	0.5	5.1	0.4	0.1	3	0.06	0.3	0.7	685	4	39	11.3	12.5	3.4	9.1	57.9	131	0.7	6.1	2.2	106	133	18.1	17.7	46.9	4.96	17.4	3.8	0.68	2.83	0.59	3.41	0.56	1.81	0.28	1.66	0.24
A605248.csv	404255			13	5.5	3.5	184	19.8	96	27.2	13.8	0.3	3.4	0.4	0.3	2.4	0.03	0.3	0.7	845.8	3	29.1	12.3	16.2	4.6	13.3	62.8	241	0.9	6.8	2.5	213	161	26.2	22	53.4	6.03	23	5	1.18	4.39	0.79	4.87	0.89	2.74	0.37	2.31	0.38
A605248.csv	404256			9	8.3	3.8	64.6	22.3	144	67.2	18.3	0.4	6.2	0.4	0.1	14.1	0.04	0.3	<5	853.5	4	25.1	11	15.9	5	10.8	70.1	211	0.8	7.5	2.2	112	168	16.7	19.4	47.4	4.97	19.1	3.3	0.78	2.83	0.5	3.18	0.57	1.72	0.26	1.93	0.24
A605248.csv	404257			12	2.3	1.2	32.6	20.8	189	44	13.2	1.2	2.2	0.2	0.2	2.3	0.03	0.2	<5	829.6	2	18.2	3.1	12.3	8.5	21.1	55.4	237	1.4	10.4	3.4	139	321	26.5	30.3	67.8	7.68	25.5	6	1.1	4.57	0.75	5.07	0.81	2.75	0.37	2.62	0.4
A605248.csv	404258			99	5.8	3.6	82.3	324.8	635	31.8	55.9	3.2	11	3.3	2	6.3	0.07	0.9	1.5	2066	2	38.9	11.1	17.3	6.6	27.5	116	227	2	10.1	5.2	135	254	33.8	45.8	106	12	44.6	9.5	2.04	7.05	1.25	7.09	1.13	3.34	0.48	2.83	0.42
A605248.csv	404259			35	3.7	2.6	53.8	66.5	169	26.9	99.7	0.8	8.2	1.3	0.8	4.9	0.11	0.8	1.2	1157	2	13.9	11.8	14.6	4.5	14.4	82.7	184	0.9	7.3	3.2	99	167	18.2	25.8	53.4	6.13	21.3	4.7	0.89	3.54	0.6	3.46	0.58	1.77	0.3	1.71	0.24
A605248.csv	404260			75	5.2	4.6	67.8	55.3	261	37.9	66.5	1	13.6	1.1	0.5	8.7	0.06	1.3	1.3	1696	2	17	12.9	14.4	6.4	17.7	113	227	1.4	9	5.4	130	224	30.5	37.1	80.8	9.65	33.2	6.7	1.3	5.1	0.97	5.72	1.01	2.95	0.44	2.72	0.45
A605248.csv	404261			523	5.8	2.4	165	288.6	770	349	882.2	5	18	10.5	2.5	4.3	0.04	4.2	1.7	847.1	3	52.5	18.7	11.8	3.9	7.7	99.7	210	0.6	5.5	3.6	151	149	22.9	20.7	42.6	5.58	21.7	4.7	0.98	4.04	0.84	4.13	0.66	2.3	0.38	2.22	0.33
A605248.csv	404262	347 205	6 677 716	723	7.8	8.4	172	59.8	784	60.9	151.7	3.4	23.2	4.1	1.2	6.3	0.21	5.3	5.3	2033	5	38	25.2	17.3	4.9	9	180	302	0.7	7.1	7.8	134	184	41.3	32.2	65.2	8.61	30.9	8.1	1.64	6.32	1.26	7.8	1.24	4.1	0.6	3.8	0.64
A605248.csv	404276	347 461	6 678 372	10	2.9	1.7	57.2	17	122	35.1	29.5	0.8	2.2	0.5	0.2	7.3	0.04	0.4	0.7	763.2	4	15.6	4.3	12.5	5.6	14.9	65.9	155	1.6	7.3	3.7	120	195	24.4	27.7	59	6.75	26.2	4.7	1.09	4.05	0.74	4.52	0.75	2.46	0.38	2.23	0.35
A605248.csv	404277			7	2.9	1.3	29.4	17.5	60	13.8	9.8	0.2	1.4	0.5	0.2	3.1	0.03	0.3	0.5	667.6	2	7.7	6.4	13.9	3.9	13.9	76.3	244	0.9	7.6	3.1	89	150	15.7	24.6	54.3	6.31	23	4.8	0.88	3.29	0.59	2.86	0.52	1.66	0.19	1.37	0.21
A605248.csv	404278			26	4.1	5.2	95.9	34.1	141	35.2	33.6	0.6	3.3	0.8	0.4	36.7	0.08	0.3	1.9	650.8	2	21.6	8.4	13.4	5	23.5	63.9	144	1.7	8.6	4.9	147	196	24.9	33.7	77.9	8.88	32.2	6.5	1.41	4.9	0.86	4.98	0.83	2.66	0.37	2.13	0.39
A605248.csv	404279			11	2.6	2	67.2	62.5	107	38.6	22.3	0.2	2.3	0.7	0.2	3.6	0.11	0.3	0.6	680.7	3	24.2	12.7	15.4	5.1	15.3	93.6	136	1.2	10.6	2.4	112	191	24.7	28.9	70.7	7.39	25	5.2	1.13	3.74	0.81	4.25	0.73	2.58	0.39	1.96	0.42
A605248.csv	404280			16	2.6	6.2	79.9	27.8	108	44.9	20.8	0.2	3.3	0.6	0.1	5.5	0.04	0.3	0.5	681.8	3	23.5	10.7	17.1	6.1	17.5	85.8	138	1.2	11.4	3.3	124	211	24.4	36.1	80.3	9.02	31.4	6.2	1.16	4.43	0.89	4.76	0.86	2.6	0.45	2.41	0.39
A605248.csv	404281			4	3.5	2.3	80	13.8	71	35.3	8.2	0.2	2.3	0.3	0.2	4.3	0.04	0.3	0.8	830.6	2	19.8	8.7	15.3	5	14.6	61.9	232	1.1	8	2.6	141	174	20.6	24.4	52.1	6.26	22.4	4.9	1.12	3.72	0.64	4.24	0.7	2.28	0.35	2.12	0.37
A605248.csv	404282			7	4.6	4.7	189	27	515	115	24	1.3	25.9	0.8	0.2	6	0.05	0.4	0.9	707	4	62.3	10.5	15.3	6	17.2	80.1	139	1.1	12.4	5.5	121	217	33	41.3	102	10.3	34.9	7.9	1.53	6.43	1.21	6.87	1.14	3.69	0.47	3.3	0.57
A605248.csv	404283			130	10.1	4.3	119	862.5	5329	69.8	558.1	30	22.4	8.6	5.3	3.7	0.05	1.6	1.4	2147	3	52.8	28.5	21.4	10.2	72.6	185	191	4.7	8.2	5.1	144	373	55.8	79.4	205	24.5	100	19.2	5.49	13.3	2.35	12	1.78	5.27	0.69	3.88	0.62
A605248.csv	404284			63	4	3.8	31.8	92.4	92	9.9	32.7	0.3	12.3	0.5	0.7	8.5	0.06	0.9	1.1	3034	1	4.4	8.3	10.5	5.4	17.9	89.4	171	1.1	9.6	2.6	80	195	17.1	32.7	73	8.49	30.8	5	1.2	3.78	0.61	3.31	0.6	1.77	0.29	1.54	0.25
A605248.csv																																																

APPENDIX D

Minfile No. 105B 088

Capsule History & Geology for Cass Property (current name)

from Yukon Minfile, Yukon Geological Survey

MINFILE: 105B 088

UPDATED: 1992/05/14

YUKON MINFILE

YUKON GEOLOGICAL SURVEY

WHITEHORSE

MINFILE: 105B 088

NTS MAP SHEET: 105B\4

NAME: SMITH

LATITUDE: 60° 12' 14" N **LONGITUDE:** 131° 44' 25" W

STATUS: DRILLED PROSPECT

TECTONIC ELEMENT: CASSIAR PLATFORM

DEPOSIT TYPE: SN SKARN

OTHER NAME(S): SLIP, JILL, SWIFT, MC, SLIDE

MAJOR COMMODITIES: TIN

MINOR COMMODITIES: ZINC, SILVER, GOLD

TRACE COMMODITIES:

CLAIMS (PREVIOUS): SLIP

WORK HISTORY

Staked as 300 MC, Swift, Slide & Slip cl (YA33303) in Jun/78 by Welcome North ML and optioned to Klinkit JV (DuPont of Can EL & Duval Corp), which explored with mapping and geochem sampling in 1978 and 1979, extensive hand trenching and bulk sampling in 1979, 4 holes (952 m) in 1980 and 2 holes (418 m) in 1981. DC Synd (Dome & Cominco) tied on Plug cl (YA33037) on the west in Jun/78 and explored with mapping and geochem sampling later in the year. Klinkit JV performed more mapping, geochem and geophysical surveys in 1982, a detailed mag survey in 1983, and drilled 4 holes (218 m) in 1984 before dropping the option. The DuPont interest was transferred to CSA MIs Inc in 1984 and to Goldsearch Inc in 1985. Restaked as Slip cl (YB262) in Jun/87 by McCrory Holdings Ltd.

GEOLOGY

Cassiterite is associated with fluorite and occasional barite in poorly developed vein, skarn and greisen zones developed in hornfelsed clastic and carbonate rocks of Carboniferous age (Yukon Tanana Terrane) adjacent to aplite dykes related to the Cretaceous Seagull Batholith. The best showing consists of two zones 15 m apart, called Main and Sheeted Veins.

The Main Zone consists of irregular siliceous pyroxene skarn bounded by a steep quartz vein up to several m wide that contains cassiterite, chalcopyrite and sphalerite. The Sheeted Vein Zone is about 50 m across and consists of a crackle zone with some fractures which are mineralized with pyrite, chalcopyrite, sphalerite, galena, magnetite and cassiterite. Chip sampling indicated that grade is erratic. The best 1978 chip sample assayed 0.78% SnO₂ across 5 m. Bulk samples from a 7 m wide zone gave a tin assay of 0.42% and recovery of 80%.

The best 1980-81 drill results were from the Main Zone. It is well zoned and grades from a magnetite-cassiterite assemblage through a quartz-chalcopyrite-sphalerite-galena assemblage to a quartz-tourmaline assemblage. The skarn zone is located more than 500 m from the intrusive contact and is faulted off at depth. The best intersection in the 1984 drilling on the Swift group was 0.4% Sn, 2.0% Zn, 10.2 g/t Ag and 70 ppb Au across 2.0 m of quartz-actinolite-magnetite-pyroxene skarn. No mineralization was found on the Plug group.

REFERENCES

CSA MINERALS INC, Nov/84. Assessment Report *#091580 by J.M. Kowalchuk.

DC SYNDICATE, 1978. Assessment Report *#090456 by J.C. Stephen.

DUPONT OF CANADA EXPLORATION LTD, 1980. Assessment Report *#090803 by B. Goad, G.M. Ditson and G.M. Diaz.

DUPONT OF CANADA EXPLORATION LTD, 1981. Assessment Report *#090714 by J.T. Thomas.

DUPONT OF CANADA EXPLORATION LTD, 1982. Assessment Report *#090971 by unknown.

GEOLOGICAL SURVEY OF CANADA, Paper 79-1A, p. 264-266.

KLINKIT JOINT VENTURE, Feb/80. Assessment Report *#090557 by G. Ditson and G. Mato and F.M. Smith.

MASER, M., Apr/81. Geology, mineralogy and geochronology of the MC property. Unpublished B.Sc. Thesis, University of British Columbia.

MINERAL INDUSTRY REPORT 1978, p. 57-58.

WESTERN MINER, Apr/80, p. 45-48.

YUKON EXPLORATION AND GEOLOGY 1981, p. 98-99; 1984, p. 55.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 150-151, 158.

APPENDIX E

REFERENCES

Ass. Rpt. # 090470

Klinkit Joint Venture, 1978 Field Program by FM Smith.

Owners = Duval International and Du Pont of Canada

Relevant portions of this report describes work on DU Claims & SLIP Claims & SWIFT Claims.

Work on DU = Mapping, photomap, petrographic, rock and soil sampling.

Work on SLIP = Mapping, photomap, petrographic, rock and soil sampling.

Work on SWIFT = Mapping, photomap, petrographic, rock and soil sampling.

Ass. Rpt. # 090714

Diamond Drilling on MC 3 and 12 Claims by FM Smith.

Owner = Duval Mining and Du Pont of Canada

Work = Drilling (4 holes, 950.6 m). Work done August, 1980.

Ass. Rpt. # 090803

Klinkit Joint Venture, 1979 Field Program by FM Smith.

Portion of the report describes work on DU Claims & SLIP Claims & SWIFT Claims.

Owners = Duval Mining and Du Pont of Canada

Relevant portion of this report are:

Report of Geological and Geochemical Surveys on SWIFT Project by G Mato and FM Smith.

Work = Mapping, petrographic, rock sampling. Work done in 1979.

Ass. Rpt. # 090971

(No title)

Owners = Duval Mining and Du Pont of Canada

Work = Drilling on DU, SWIFT, SLIDE Claims (5 holes, ~1000m). Work done in 1981.

Roots, J. Nelson, M. Mihalynuk, T. Harms, M. de Keijzer and R.-L. Simard

Bedrock Geology, Dorsey Lake (NTS 105B/4), southern Yukon (1:50,000 scale), Geological Survey of Canada Open File 4630 and Yukon Geological Survey Open File 2004-2

Yukon MINFILE - 105B - Wolf Lake, 2005 - R. Deklerk and S. Traynor (compilers),

Scale: 1:250,000 map, Yukon Minfile 105B 088

APPENDIX F
CASS PROPERTY
STATEMENT OF EXPENDITURES

Personnel:

Rein Turna, P.Geo.	
July 28, 1 day @ \$450 / day	450.00
Blake Henwood, senior assistant	
July 28, 1 day @ \$225 / day	225.00
Ryan Turna, assistant	
July 28, 1 day @ \$150 / day	150.00
Chris Erdman, assistant	
July 28-29, 2 days @ \$150 / day	300.00
Tom Stridsland, assistant	
July 28-29, 2 days @ \$150 / day	300.00

Travel:

Hotel	160.55
Meals	82.37
Taxi	19.00

Aircraft:

Trans North Helicopters, Watson Lake, Yukon	7,195.42
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Field Equipment:	115.34
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Communication:

Radios & Satellite phone	
(Alltypes Headset Services Co., North Vancouver, BC)	94.55

Shipping:	100.00
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Analytical Costs:

ACME Analytical Lab., Vancouver, B.C.	
10 rocks @ 26.65 each (10 elements)	266.50
89 soils/streams @ 33.25 each (45 elements)	3,193.10

Report Compilation:

Labour (Authoring/Drafting)	1,800.00
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TOTAL: 14,425.18

APPENDIX G
STATEMENT OF QUALIFICATIONS

I, Rein Turna, of the City of West Vancouver, British Columbia, hereby certify that:

1. I am a graduate of the University of British Columbia with a B.Sc. in Geological Sciences granted in 1975.
2. I am a registered member of the Professional Engineers and Geoscientists of British Columbia.
3. I have worked as a geologist in western and northern Canada since 1975.
4. I carried out or supervised the work described in this report.

R. Turna, P.Geo.

September 25, 2006