BRITISH COLUMBIA

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

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TITLE OF REPORT [type of survey(s)]	**TOTAL COST**
Geological & Geochemical	$10,269.20

AUTHOR(S) Gordon Gibson SIGNATU Gordon Gibson

NOTICE OF WORK PERMIT NUMBER(S)/DATE(S) _____ YEAR OF WORK 2010

STATEMENT OF WORK - CASH PAYMENT EVENT NUMBER(S)/DATE(S) 4715931, Jun 29/2010

PROPERTY NAME MYOFF CREEK

CLAIM NAME(S) (on which work was done) Tenure Numbers: 538483, 586394, 586398, 586401, 586404

COMMODITIES SOUGHT Nb, Ta, La, Ce, Nd, Rare Earths

MINERAL INVENTORY MINFILE NUMBER(S), IF KNOWN 082M 199

MINING DIVISION Kamloops NTS 82M/07

LATITUDE 51 ° 21 ' 17 " LONGITUDE 118 ° 44 ' 12 " (at centre of work)

OWNER(S)

1) 0847427 B.C. Ltd. 2) _____

MAILING ADDRESS

108 - 4664 Lougheed Hwy., Burnaby, B.C., V5C 5T5

OPERATOR(S) [who paid for the work]

1) International Bethlehem Mining Corp. 2) _____

MAILING ADDRESS

2489 Bellevue Avenue, West Vancouver, B.C., V7E 1E1

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

Paragneiss, orthogneiss, calc-silicate gneiss, kyanite-sillimanite schist, marble, and carbonatite of the Meso to Paleoproterozoic , Frenchman Cap Cover Sequence. Deformed into northwest-trending, shallow-plunging, isoclinal Mount Grace syncline. Amphibolite facies regional metamorphism. Two types of carbonatite occur on the property. Type I (REN) intrusive carbonatite, is ~~semi-conformable within quartz-biotite gneiss, amphibolite and quartzite. It trends northwest for 3 km, dips moderately to the~~ southwest, and varies from 20 to 200 m in width. The carbonatite averages 60-80% calcite, 10-30 % apatite with accessory biotite, amphibole, sphene and minor pyrrhotite, pyrite, sphalerite, chalcopyrite, molybdenite, ilmenite, pyrochlore and monazite. The carbonatite is associated with pyroxene-amphibole (biotite) fenites. Type II (Mount Grace) extrusive carbonatite layer, 2 km to the west, is concordant with metasedimentary layers and has been interpreted to be a carbonatite tuff.

REFERENCES TO PREVIOUS ASSESSMENT WORK AND ASSESSMENT REPORT NUMBERS

11639, 17182, 26811A

(OVER)

TYPE OF WORK IN THIS REPORT	EXTENT OF WORK (IN METRIC UNITS)	ON WHICH CLAIMS	PROJECT COSTS APPORTIONED (incl. support)
GEOLOGICAL (scale, area)			
Ground, mapping			
Photo interpretation			
GEOPHYSICAL (line-kilometres)			
Ground			
Magnetic			
Electromagnetic			
Induced Polarization			
Radiometric			
Seismic			
Other			
Airborne			
GEOCHEMICAL (number of samples analysed for ...)			
Soil			
Silt			
Rock	5 for Rare Earths 2 for Whole Rock + Rare Earths	538483	9,986.78
Other			
DRILLING (total metres; number of holes, size)			
Core			
Non-core			
RELATED TECHNICAL			
Sampling/assaying			
Petrographic			
Mineralographic			
Metallurgic			
PROSPECTING (scale, area)			
PREPARATORY/PHYSICAL			
Line/grid (kilometres)			
Topographic/Photogrammetric (scale, area)			
Legal surveys (scale, area)			
Road, local access (kilometres)/trail			
Trench (metres)			
Underground dev. (metres)			
Other			
		TOTAL COST	$9,986.78

GEOLOGICAL & GEOCHEMICAL REPORT

on the

MYOFF CREEK PROPERTY

Kamloops Mining Division

NTS 82M/07W / TRIM: 082M.037
Latitude 51°21' N Longitude 118°44' W
Northing: 5690716 / Easting: 379073 / Elev: 1375m
UTM Zone 11 NAD83

for

INTERNATIONAL BETHLEHEM MINING CORPORATION
2489 Bellevue Avenue
West Vancouver, B.C. V7V 1E1

by

G. GIBSON & ASSOCIATES
Suite 201 - 2020 West 2nd Avenue
Vancouver, B.C. V6J 1J4

Gordon Gibson, Geologist

Sep 15, 2010

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LIST OF FIGURES

INTRODUCTION

LOCATION, ACCESS AND PHYSIOGRAPHY

The Myoff Creek property (MC and Perry claims) is located in the northern Monashee Mountains of southeastern British Columbia in the Ratchford Range, east of the Seymour River. The property occupies northwest and southeast facing slopes of the broad northwest-trending ridge axis through Mount Grace about 26 air kilometers north-northeast of the community of Seymour Arm on Shuswap Lake. Access to Seymour Arm is via. 41 km of private radio-controlled logging roads (freq. 157.32 Hz.) originating at St. Ives approximately 5 km east of Anglemont. Anglemont in turn is serviced by 53 km of paved road connecting with the Trans Canada Highway 10 km east of Chase.

The 1100 logging road originating near Seymour Arm and extending up the Seymour River passes close to the western boundary of the Myoff Creek property. The North Fork Road and Secondary roads extend into the central portion of the property. Permanent helicopter bases at Revelstoke 60 kilometers to the southeast, provide the best means of air access to the Myoff Creek property.

Refer to Figure 1 for location, access, and emergency response information.

Elevations on and near the claims vary from approximately 730 meters in Ratchford Creek to 1,985 meters at the summit of Mount Grace. The western and southern flanks of Mount Grace are gentle subalpine slopes covered by a thin veneer of till. Below a tree line at approximately 1,675 meters bedrock exposure is minimal—hillsides are clothed in mature stands of cedar, hemlock, balsam and spruce with locally prolific devil's club and slide alder.

Climate is that of the Interior Rain Belt with temperatures ranging between -15° and +30°C. Annual precipitation averages 115 centimeters; snowpack can be as deep as several meters.

CLAIMS AND OWNERSHIP

All claims are located in the Kamloops Mining Division. The claim owner is 0847427 B.C. Ltd. Operator on the property is International Bethlehem Mining Corporation of 2489 Bellevue Avenue, West Vancouver, B.C. V7V 1E1 under the terms of an option agreement with the owner, see Figure 2.

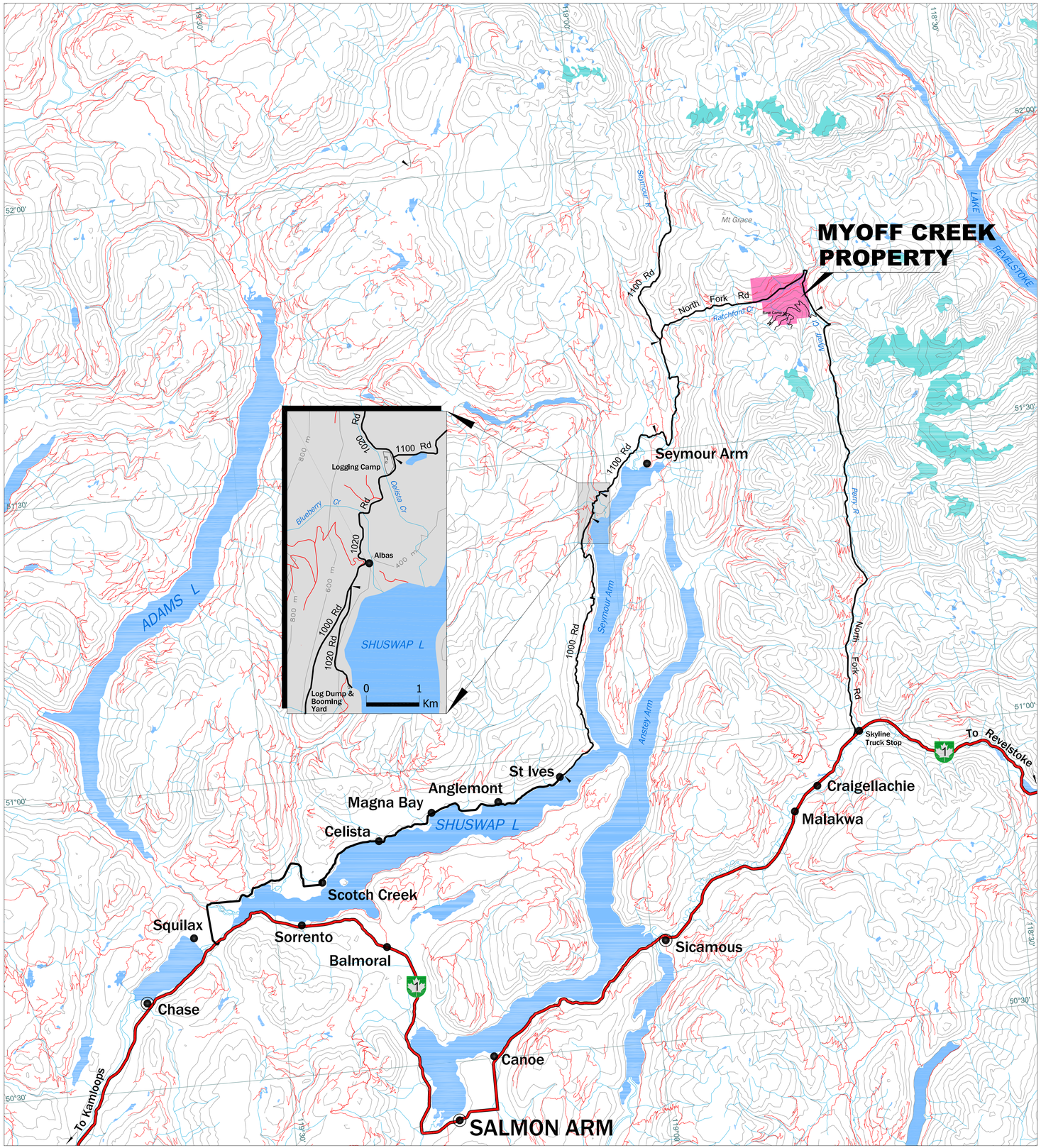
MYOFF CREEK PROPERTY
EMERGENCY RESPONSE PLAN

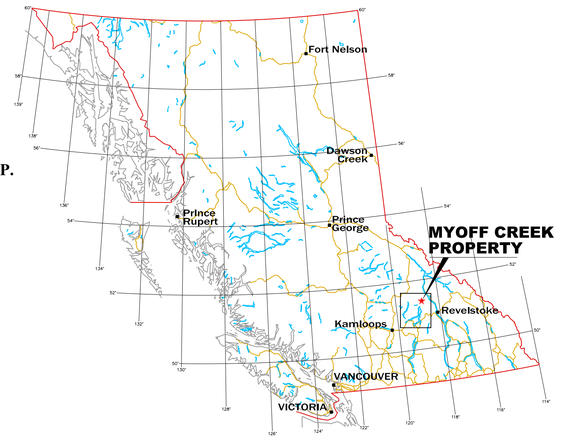
LOCATION & ACCESS

Astro
UTM
Mag
2°39'
17°33'

20 15 10 5 0 10 20 Km

BC Albers Equal Area Projection
Scale 1:200,000





Base Camp:

Latitude: 51°21'17" N / Longitude: 118°44'12" W
Northing: 5690716 / Easting: 379073 / Elev: 1375 m
UTM Zone 11 NAD83
N.T.S.: 82M/07W / TRIM: 082M.037

Operator:

INTERNATIONAL BETHLEHEM MINING CORP.
2489 Bellevue Avenue
WEST VANCOUVER, B.C. V7V 1E1
604-922-2030
Ronald A. Coombes (President) 604-724-2369 cell
Bob Middleton (VP - Exploration) 807-622-9734 cell

Field Manager: Gordon Gibson

Satellite Telephones:

403-927-6425 - Base Camp
403-927-6426 - Drill

VHF Radio Frequencies:

Company Channel - Base Camp: 154.325 MHz.
North Fork Road: Louisiana-Pacific (Malakwa) - Kicking Horse 153.32 MHz.
1000/1020/1100 Roads: Federated Co-op (Canoe) - Shuswap North 157.32 MHz. [commonly used]
Canadian Helicopters - 165.72 MHz.

BC Emergency Program	1-800-663-3456
BC Ambulance Emerg. Disp.	1-800-461-9911
BC Fire Management	1-800-663-5555
RCMP - Salmon Arm	1-250-832-6044
RCMP - Kamloops	1-250-828-3000

MEMPR - Mine Health and Safety, Kamloops:

John A. Cox	250-320-8758 cell
Stephen G. Rothman	250-319-2054 cell

Helicopter Bases:

SELKIRK MTN. HELICOPTERS - Revelstoke
250-837-2455
Jaime Ryga (President) 250-837-7942 cell

ARROW HELICOPTERS INC. - Revelstoke
250-837-6288
Matthew Callaghan (President)

HIGHLAND HELICOPTERS LTD. - Kamloops
250-376-4727
Robert Andrews (Base Manager/Pilot)

Regional Health Care Facilities:

SHUSWAP LAKE GENERAL HOSPITAL
601 - 10th Street NE - PO Box 520
SALMON ARM, B.C. V1E 4N6
250-833-3600

QUEEN VICTORIA HOSPITAL
1200 Newlands Road
REVELSTOKE, B.C. V0E 2S1
250-837-2131

ROYAL INLAND HOSPITAL
311 Columbia Street
KAMLOOPS, B.C. V2C 2T1
250-374-5111

Helicopter Access to Myoff Creek Base Camp & Helicopter Pad:

	Air distance (km)	Flight Time (hr:min)
Revelstoke	59	0:20
Salmon Arm	83	0:35
Kamloops	134	0:53

Road Access to Myoff Creek Property (via Squilax-Anglemont Hwy):

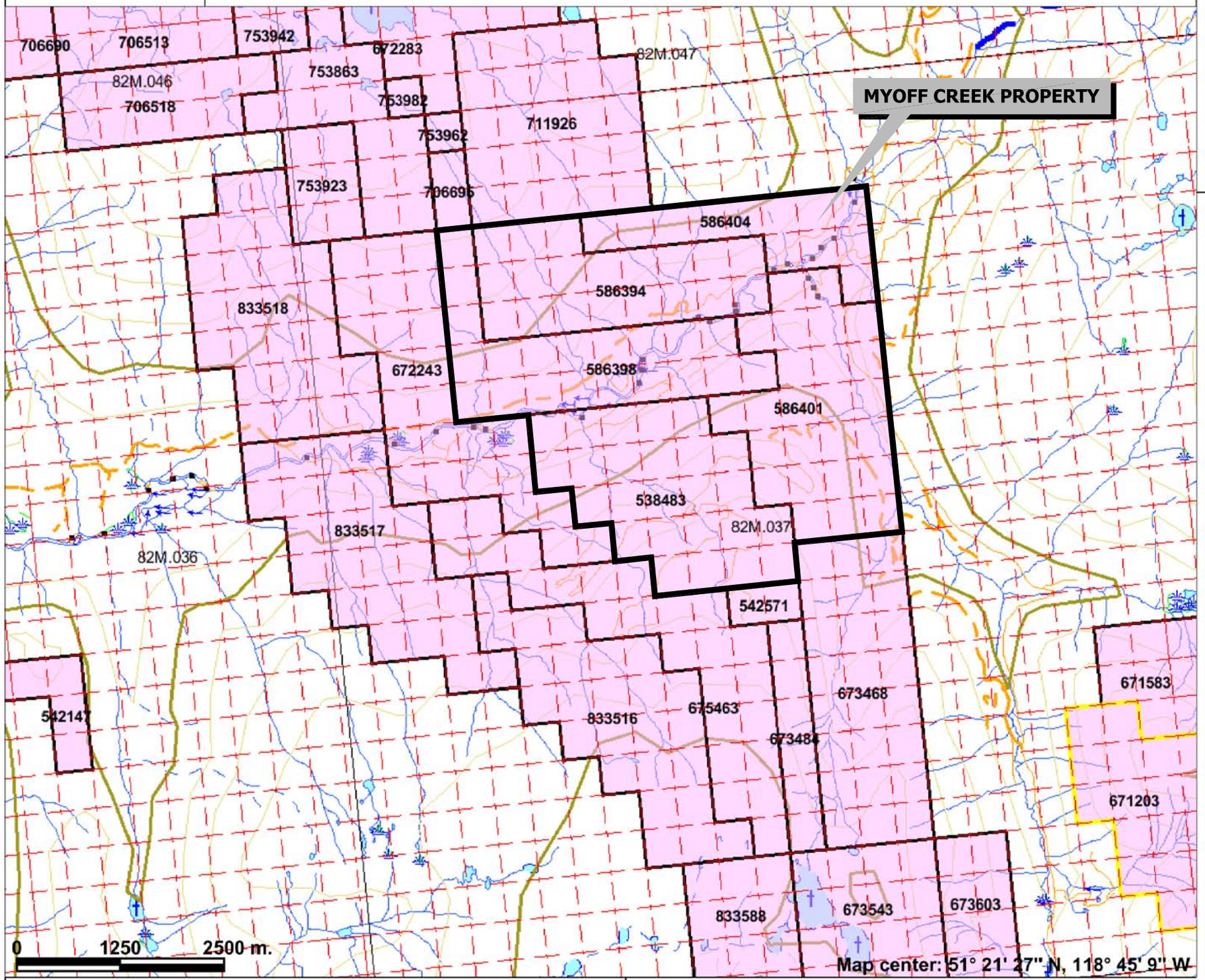
	Odometer (km)	Driving Time (hr:min)
Trans Canada Highway, turnoff near Squilax	0.0	0:00
Village of St Ives	43.7	0:34
1000 Road begins *(aka Ross Creek-Ruckell Point FSR)*	44.5	0:36
Keep left onto 1020 Road	72.0	1:08
Turn right onto 1100 Road *(aka Celista-Seymour FSR)*	74.3	1:12
Intersection, access road on right to Seymour Arm	82.0	1:24
Turn right onto North Fork Road (power line)	96.0	1:41
Intersection, logging road on right	117.0	2:16

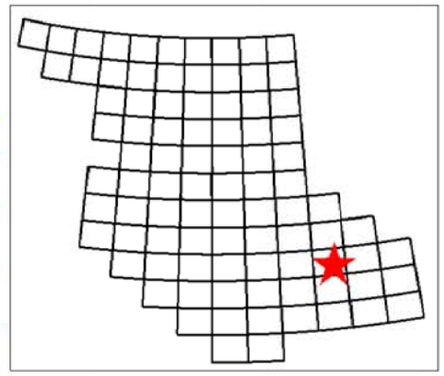
Road Access to Myoff Creek Base Camp & Helicopter Pad (via logging road)

	Odometer (km)	Driving Time (hr:min)
Logging road @ North Fork Road	0.0	0:00
Helicopter Pad	~ 7.4	0:35
Myoff Creek Base Camp	~ 7.5	0:36

TSX-V: IBC
INTERNATIONAL BETHLEHEM MINING CORPORATION

Internet Mapping Framework





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

Survey Parcels

BCGS Grid

Contours (1:250K)

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

Transportation - Points (TRIM)

- Helipad

Transportation - Lines (TRIM)

- Airfield
- Airport
- Airstrip

Scale: 1:71,934

TSX-V: IBC
INTERNATIONAL BETHLEHEM MINING CORPORATION

CLAIM MAP

Tenure Number	Claim Name	Area (Ha)	Owner ID	Percent Ownership	Good to Date
538483	MC 1	504.57	222442	100.00	2011/jun/30
586394	PERRY	383.28	222442	100.00	2011/jun/30
586398	PERRY2	403.52	222442	100.00	2011/jun/30
586401	PERRY3	504.49	222442	100.00	2011/jun/30
586404	PERRY4	242.05	222442	100.00	2011/jun/30

List of claims, 0847427 B.C. Ltd., Myoff Creek property

PREVIOUS WORK

In 1983 Duval International Corporation completed geological mapping, prospecting and sampling over a three kilometre strike length of the carbonatite in the claim area. Duval collected 469 soil, 72 rock and 15 stream sediment samples during their exploration program. There were several highly anomalous areas outlined and the rock samples were highly anomalous in niobium, tantalum, cerium, lanthanum and neodymium, with the highest values being 2,400 ppm Nb, 72 ppm Ta, 9,890 ppm Ce, 6,965 ppm La and 330 ppm Nd.

The 1983 rock samples were analyzed for uranium and thorium and are well below the provincial moratorium threshold of 0 05% uranium or 0.15% thorium. The average of the 21 rock samples tested was 0.0022% Th and 0.00013% U.

In 1988 Teck Explorations Limited completed stream silt sampling (89 samples) from four drainages, 17.85 line kilometres of magnetometer surveying, 15.35 line kilometres of spectrometer/scintillometer surveying and 749 metres of trenching. The trenches were dug with a Cat 225 excavator, mapped and then sampled with 282 rock channel samples being collected. The best niobium values were from trench ATR-2 of 0.19% Nb over a width of 55 metres. Carbonatite that was excavated in all trenches averaged 0.13% Nb. Cerium and lanthanum were all highly anomalous but the values were not plotted. The rock samples were not analyzed for tantalum or neodymium.

In 2001 Cross Lake Minerals rehabilitated 8 kilometres of secondary logging roads, completed 346 metres (2,595 cubic metres) of trenching, and took 73 rock channel samples, which included 15 samples submitted as duplicates to a second lab. Results can be summarized as follows:

Trench #	Carbonatite width (m)	Nb_2O_5 (ppm)	Ta_2O_5 (ppm)	Ce_2O_5 (ppm)	La_2O_3 (ppm)	Nd_2O_3 (ppm)
MT-01-1	50.8	1411.9	30.0	832.3	424.1	325.0
MT-01-2	50.0	950.7	28.0	536.5	52.0	232.4
MT-01-3	56.0	1063.9	34.6	595.1	310.1	255.6
MT-01-4	120.0	1659.2	37.8	834.8	451.0	336.5

A program of detailed geological mapping and prospecting followed (1,500 hectares) in which 15 samples of intrusive and 21 samples of extrusive carbonatite were collected and analysed. In an effort to follow up the highest tantalum value (123 ppm) returned by the mapping, a 35 metre continuous sawn channel sample (7 five metre samples) was cut in natural exposures of the carbonatite north of trench MT-01-1 where it crosses a fast-flowing creek on the steep slopes south of Ratchford Creek. In addition, limited petrographic studies were undertaken (2 samples for thin section) as was a mineralogical examination of heavy mineral concentrates (6 assay pulps).

ASSESSMENT WORK IN 2010

On June 25, 2010 personnel of International Bethlehem conducted a helicopter reconnaissance of the Myoff Creek property in order to ascertain the current condition of secondary logging roads into the property and the status of two bridge crossings of Myoff Creek and its tributaries.

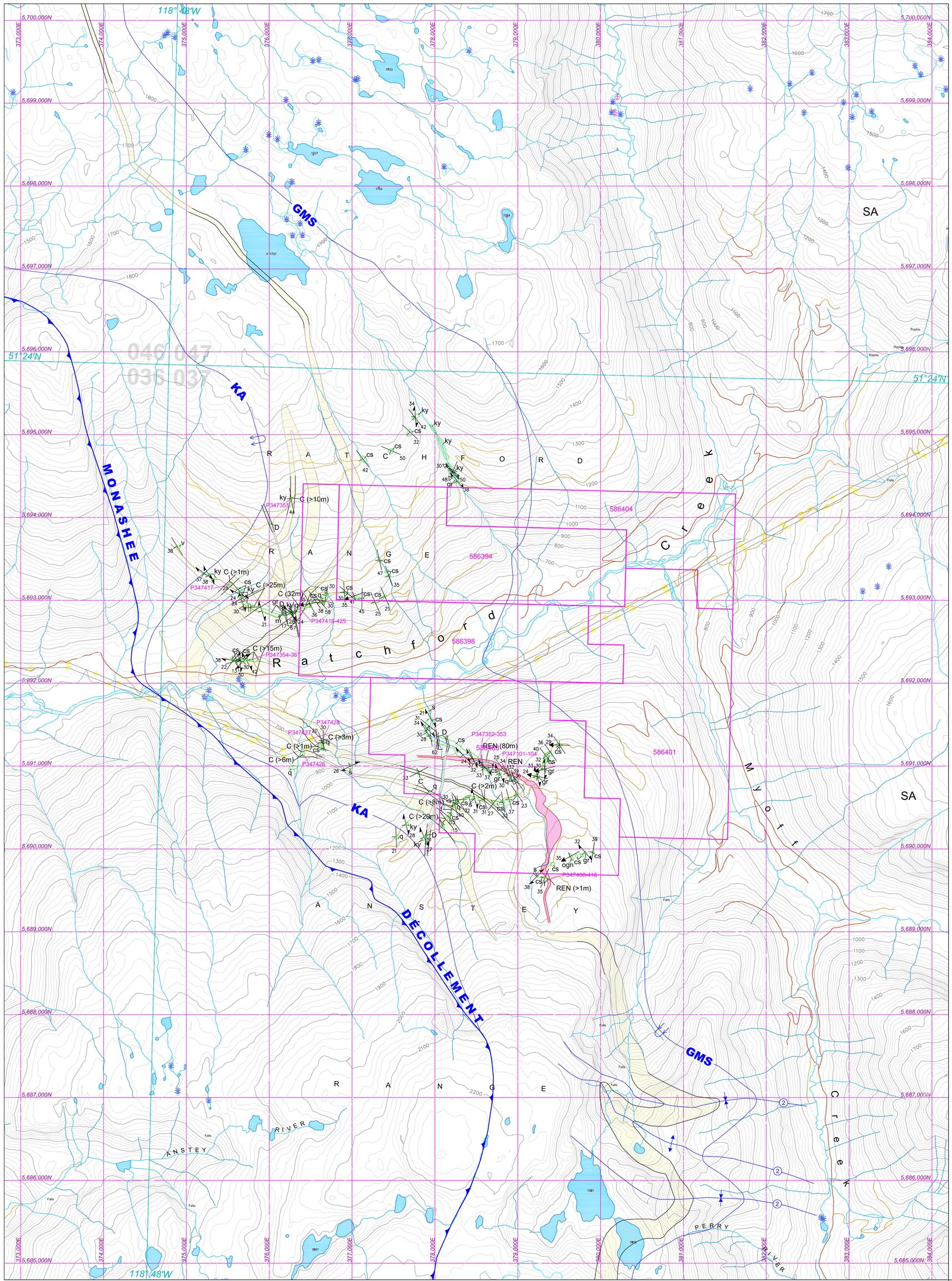
The northernmost trench (MT-01-1) of previous exploration programs by Duval, Teck and Cross Lake was visited and sampled in detail. A total of 7 rock channel and grab samples were taken and submitted to ALS-Chemex labs of North Vancouver for 38 element fusion ICP-MS (ME-MS81) and whole rock (ME-ICP06 and OA-GRA05) analyses.

GEOLOGICAL SETTING

REGIONAL GEOLOGY

The Myoff Creek property lies within the Shuswap Metamorphic Complex—a belt of high-grade and intensely deformed metamorphic and intrusive rocks in the core of the Columbian Orogen in southeastern B.C. The Shuswap Complex, along its eastern margin, is characterized by a series of fault-bounded domal culminations that expose mixed paragneiss, granitic gneiss and migmatite of Paleoproterozoic age, see Figure 4. Unconformably overlying the gneissic "core complexes", a heterogeneous and very distinctive assemblage of calc-silicate gneiss, pelitic gneiss, quartzite and marble of Meso to Paleoproterozoic age is host to several important stratabound lead-zinc deposits in the area. The COTTONBELT deposit located about 15 kilometres northwest of the Myoff Creek property is one of these, occupying a position along the northwestern flank of Frenchman Cap gneiss dome. Further south, the JORDAN RIVER and BIG LEDGE deposits reside in stratigraphy that is broadly correlative with the COTTONBELT host sequence.

Core gneisses together with their overlying metasedimentary cover (Monashee Complex) have been overridden along the Monashee Décollement and Columbia River Fault by the Selkirk Allochthon (Read and Brown, 1981).



LITHOLOGIC LEGEND

Selkirk Allochthon

SA

SELKIRK ALLOCTHON
Pelitic and semi-pelitic schist, qz-fp paragneiss, amphibolite

Paleproterozoic

Monashee Complex

cs

CALC-SILICATE GNEISS. Fine to medium grained quartz-diopside-actinolite(garnet) and quartz-biotite (hornblende) distinct layers, 1 - 10cm, variegated in dark shades of lavender and green. Unit may contain up to 50% hornblende amphibolite layers and boudins, impure marble, and white orthoquartzite layers, in cyclic bedding units up to 25m thick.

ky

Quartz-Muscovite-Biotite-Garnet PELITIC SCHIST with well developed euhedral kyanite and/or acicular sillimanite in intrafolial mica-rich compositional bands. Contains up to 40% pegmatite as semi-conformable lenticular bodies <1m to 25m wide. Unit is coarsely micaceous, well foliated, forms rubbly tan-weathering outcrops.

s

Quartz-biotite SCHIST.

q

Feldspathic and micaceous QUARTZITE.

gr

Quartz-feldspar-mica (hornblende) PARAGNEISS. Resistant, massive outcrops.

ogn

Quartz-feldspar ORTHOGNEISS. medium grained, equigranular, leucocratic (<10% mafics).

v

VOLCANICLASTIC containing scattered hornblende, plagioclase, and biotite phenocrysts to 15mm in compact quartzo-feldspatic groundmass. Grey, massive outcrops.

m

Impure calcitic MARBLE. Soft, recessive.

REN

REN CARBONATITE.
Intrusive carbonatite. Massive to well layered orange-brown weathering. Unit consists of 60-80% calcite, 10-30% apatite, biotite/phlogopite, and accessory amphibole, pyroxene, and sphene with minor pyrrhotite, pyrite, magnetite, ilmenite, pyrochlore(?) and monazite(?). Extensive zones of mafic biotite-rich pyroxene-amphibole fenite and potassic feldspar-albite fenite occur as alteration envelopes peripheral to and within the carbonatite. The REN is a semi-concordant sheet like intrusion varying from <10m to at least 80m in true thickness. The thickest observed exposures (80m) are in the main creek canyon south of Ratchford Creek.

f

Biotite pyroxene-amphibole FENITE.

C

MOUNT GRACE CARBONATITE (MGC)
Extrusive carbonatite: pyroclastic flow grading to ash-fall tuff. Thinly banded, tephra block size typically 1 - 5cm, with fenite, albitite, and wallrock clasts flattened, aligned along banding. Distinctive buff-brown weathering. The widespread MGC horizon was originally mapped as three distinct layers varying from <1m to 32m in true thickness. This unit is now interpreted to be a single layer, tightly deformed into a pair of isoclinal folds trending approximately 160 degrees az and plunging 10 - 20 degrees toward the SSE. These folds are dextral as viewed down-plunge and are parasitic on the southwest overturned limb of the Mount Grace Syncline. Anomalous thicknesses of the MGC may reflect tectonic thickening, but the possibility of original depositional thickening of the carbonatite proximal to volcanic vent feeder zones cannot be discounted. At least one area of fenite alteration was mapped adjacent to the MGC layer south of Ratchford Creek, however contact relationships of the REN and MGC carbonatites were not observed.

D

Late DIABASE dykes, these cross-cut all earlier fabric.

SYMBOL LEGEND

- Primary layering
- Principal foliation
- Phase 1 fold, mineral lineation
- Phase 2 fold, lineation

MGS — Mount Grace Syncline (phase 1)
KA — Kirbyville Anticline (phase 1)
2 — Anitform, synform (phase 2)
MONASHEE DÉCOLLEMENT

- Geological contact - defined
- Geological contact - approximate, assumed
- Mapped outcrop

- Road - loose surface
- Road - rough surface & trail

P347XXX — Sample tag ID and location

Sources:
Certain geological detail in the northern map area after T. Hoy; "Geology of the Cottonbelt Lead-Zinc-Copper-Magnetite Layer, Carbonatities and Alkalic Rocks in the Mount Grace Area...", BC Geological Survey Branch, Bull.80, Figs.3 & 17, Dec 1987.
Certain geological detail in the southern map area after M.Journeay; "Geology of the North Central Frenchman Cap Dome", Geological Survey of Canada, O.F. 2447, Sheet 1, 1991.

INTERNATIONAL BETHLEHEM MINING CORP.

Myoff Creek Project Area

Geology, Claims & Topography

1 kilometers 0 0.5 1 2 3 kilometers 4
Scale 1:20,000

UTM Zone 11
NAD 83
1°21'50"
19°20'
NAD27
78,57m
226,77m
159°43'
212,71m
NAD83
@ 378,500E 5,692,500N

NOTE:
Claim outlines from BC Mineral Titles Reference M082M07E & M082M07W positioned to a best fit with topography. Claim boundaries across map sheets inconsitentent by about 140m and is unresolved herein. Claim boundaries otherwise located with a certainty no better than 50m.
Most recent staking straddling Ratchford Creek located from claim map faxed by Mineral Titles Branch, Kamloops office, 25Sep01.

G.Gibson
& Associates

INTERNATIONAL BETHLEHEM MINING CORP.

Myoff Creek Project Area

Geology, Claims & Topography

Scale 1:20,000

revised 15 September 2010

The Mount Grace carbonatite, intrusive carbonatites and bodies of synenite gneiss occur within autochthonous paragneiss above the core gneisses of the Frencman Cap dome.

There are two types of carbonatite recognized in the area. Type I, the intrusive phase and Type II, the extrusive phase. Although rarely seen in contact, the Type I carbonatite has been proposed as a feeder to the widespread Type II pyroclastic flow represented by the Mount Grace carbonatite (Hoy, 1987). All of the regional tantalum, niobium and Rare Earth occurrences of record are associated with the intrusive Type I phase. The Type II phase rarely if ever carries minerals of economic importance.

The Type I carbonatite (known as the REN carbonatite) is located on the southern half of the property on the south side of Ratchford Creek, The carbonatite is a semi-concordant sheet like intrusion and has been traced by mapping and trenching for approximately three kilometers. It varies in width from less than 10 to 200 metres. The carbonatite strikes generally northwest-southeast and dips from 25 to 45 degrees southwest. The rock weathers to a rough textured, mottled orange brown color. It consists of 60-80% calcite, 10-30% apatite, biotite/phlogopite, and accessory amphibole, pyroxene, and sphene with minor pyrrhotite, pyrite, magnetite, ilmenite, molybdenite, chalcopyrite, pyrochlore and monazite. Extensive zones of mafic biotite-rich pyroxene-amphibole fenite and potassic feldspar-albite fenite occur as alteration envelopes peripheral to and within the carbonatite.

The Type II extrusive carbonatite (Mount Grace carbonatite = MGC) has been mapped along the entire 12 kilometre length of the Myoff Creek Property and for more than 100 kilometres regionally. It is interpreted as a pyroclastic flow grading to ash-fall tuff. The unit is thinly banded, with tephra blocks typically 1 to 5 cm in size, comprised of fenite, albitite, and wallrock clasts flattened and aligned along banding, in a matrix of 80 to 90% calcite with accessory phlogopite, plagioclase, apatite, amphibole and minor magnetite, pyrite, graphite and chalcopyrite. It is easily recognized in the field by its volcaniclastic texture and distinctive buff-brown weathering.

Regional metamorphism reached amphibolite facies and produced sillimanite-kyanite, sillimanite and sillimanite potassic feldspar assemblages in pelitic rocks. At the highest metamorphic grades lenticular semi-conformable pegmatite bodies are developed by partial melting.

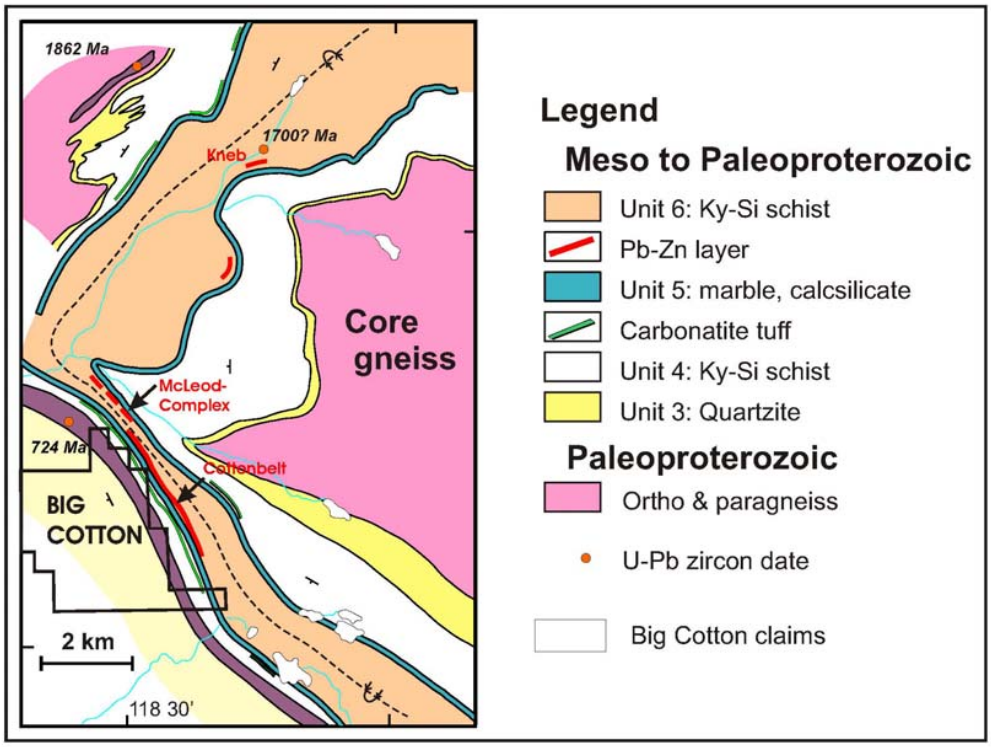


Figure 4: Geological map of the Cottonbelt area, northern Frenchman Cap dome showing location of the Mount Grace syncline, Cottonbelt and other mineral occurrences (after Höy, 1987; 2001). Note: the Myoff Creek property is directly along strike, adjoining on the southeast.

PROPERTY GEOLOGY

Dominating the map pattern at Ratchford Creek, the Phase 1 Mount Grace Syncline is an early recumbent isoclinal fold trending northwest with axial surface and both limbs dipping 30 to 45 degrees to the southwest. Within the Myoff Creek property the hinge zone is contained almost entirely within a 600 to 700 meter thick sequence of metasedimentary rock of the Autochthonous Cover series and is interpreted to have a shallow plunge of 10° to 15° to the southeast (Journeay, 1986, fig.19, p.91; Hoy, 1987, fig.7, p.27). It is well defined by the inverted repetition of a distinctive and regionally continuous marker horizon of stratiform carbonatite (MGC) and white marble (Unit 5), and by stratigraphic facing directions preserved in basal quartzites of the metasedimentary cover sequence.

In 2001 the MGC horizon (on the Myoff Creek property) was originally mapped by the author as three distinct layers varying from <1 metre to 32 metres in true thickness. This unit is now interpreted to be a single layer, tightly deformed into a pair of isoclinal folds trending approximately 160 degrees az and plunging 10 - 20 degrees toward the south southeast. These folds are dextral as viewed down-plunge and are parasitic on the southwest overturned limb of the Mount Grace Syncline, see Figure 3. Anomalous thicknesses of the MGC may reflect tectonic

thickening, but the possibility of original depositional thickening of the carbonatite proximal to volcanic vent feeder zones cannot be discounted.

About 200 metres to the northeast of the MGC outcrop belt, in the centre of the property, the tabular Type I REN carbonatite is the unit of principal economic interest. Its margins where observed in outcrop and trenches often give the appearance of being conformable (or semi-conformable) with layering in the surrounding metasedimentary rocks. However the intrusive layer can be seen to converge gradually toward the MGC as it is traced northwest, see Figure 3. Comagmatic intrusive and extrusive carbonatite units might come into contact in the steep cliff south of Ratchford Creek, in a rarely observed volcanic throat or vent zone.

GEOCHEMISTRY

The northernmost trench (MT-01-1) of previous exploration programs by Duval, Teck and Cross Lake was visited and sampled in detail. A total of 5 chip samples across the 50 metre exposed width of the carbonatite were taken and submitted to ALS-Chemex (ALS Canada Ltd.) of North Vancouver for ICP-MS 38 element fusion (ME-MS81). In addition 2 representative grab samples were taken for whole rock (ME-ICP06 and OA-GRA05) analysis.

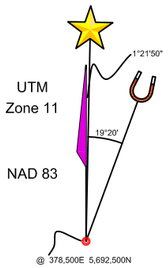
Sample locations are shown in Figure 5 and analytical certificates can be found in Appendix 1 of this report. Results are summarized in the following table:

Sample	Type	Width	Wt. (kg)	Analysis	Nb (ppm)	Ta (ppm)	Ce (ppm)	La (ppm)	Nd (ppm)
I921211	Chip	10m	1.04	ICP-MS	63.0	2.2	544	242	314
I921212	Chip	10m	0.90	ICP-MS	86.1	8.7	677	302	386
I921215	Chip	10m	0.80	ICP-MS	742	2.7	361	145.5	195.5
I921216	Chip	10m	0.72	ICP-MS	381	52.0	666	322	322
I921217	Chip	10m	2.96	ICP-MS	741	38.9	1880	965	904
I921213	Grab		1.50	whole rock	88.6	3.5	592	261	301
I921214	Grab		1.10	whole rock	1115	36.6	412	169.0	206

Myoff Creek Property: Summary of 2010 sampling.

In general the weighted averages of Nb, Ta, Ce, La, and Nd (when converted to their oxides) are comparable with the results of previous sampling programs. Results tend to underline and confirm the generally erratic distribution of the elements of economic interest in the host carbonatite. They suggest an enrichment of Nb, Ta, and to some extent Ce, La and Nd, in the central and hanging wall portions of the zone.

Note that Sample I021217 (2.96 kg) returned 904 ppm Nd, believed to be the highest neodymium value yet recorded on the property.



2010 PROPOSED ACTIVITY

- Proposed Drill Hole
- Proposed Refurbished Haul Road
- Proposed Refurbished Logging Skid Trail

Myoff Creek Project Area

0 500 1000 m

Scale 1:20,000
UTM Zone 11 NAD 83

TSX-V: IBC
INTERNATIONAL BETHLEHEM MINING CORPORATION

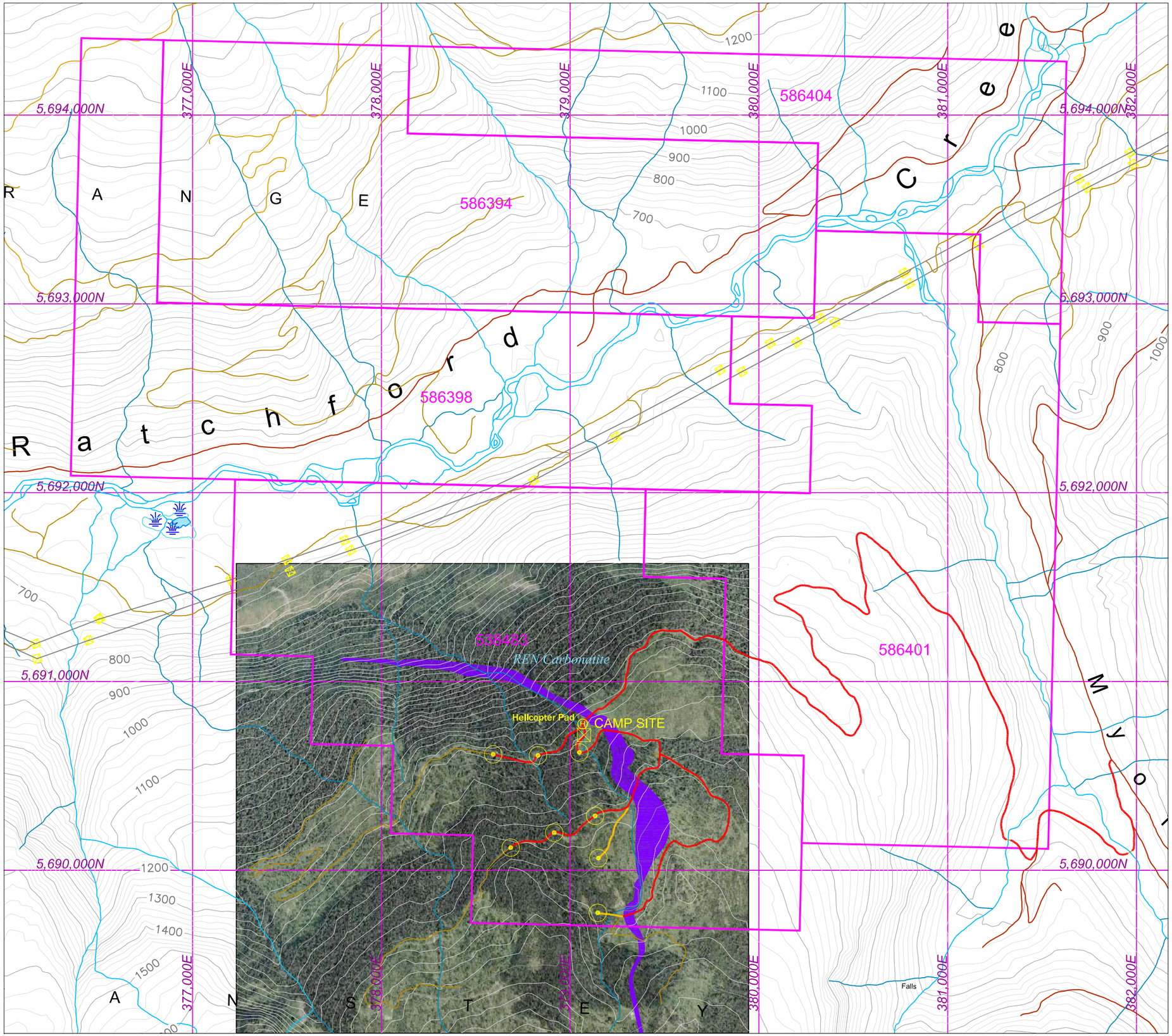


Photo 1: Partially reclaimed trench MT-01-1 on June 25, 2010

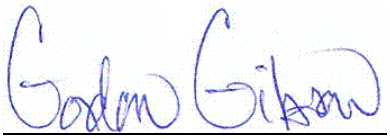
Photo 2: Intrusive carbonatite in trench MT-01-1

Photo 3: Detail of intrusive carbonatite with screens of biotitic pyroxene-amphibole fenite in trench MT-01-1

CONCLUSIONS AND RECOMMENDATIONS

Exposures of the Type I carbonatite in trench MT-01-1 are deeply weathered and decomposed in the nine years since Cross Lake's 2001 program of bulldozer trenching re-exposed the main band. It is felt that the present sampling (and quite likely all sampling within 10 metres of ground surface in previous campaigns) is not reflective of the true grade of niobium, tantalum and Rare Earths in the unweathered carbonatite at depth.

An aggressive program of diamond drilling is recommended to test (for the first time) the grade and thickness of the main zone, at 25 to greater than 100 metres depth, along approximately 1 kilometre of strike length. A drill pattern of up to 16 holes from 8 locations, totaling 2,500 metres is presented in Figure 4. Note that all hole locations fall on existing logging roads or skid trails, minimizing impact on the environment.



Respectfully submitted,

G. GIBSON & ASSOCIATES
Gordon Gibson, B.Sc.

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1917, pp. F236;
1918, pp. K236;
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CERTIFICATE OF AUTHOR

I, **Gordon Gibson** of the City of Vancouver, Province of British Columbia, do hereby certify that:

1. I am an independent consulting geologist with business office at Suite 201 – 2020 West 2nd Avenue, Vancouver, British Columbia, Canada, V6J 1J4.

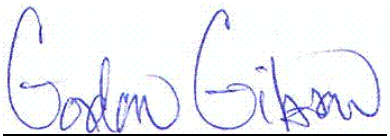
2. I am a graduate of the University of British Columbia with an Honours B.Sc. degree in Geological Sciences (1975).

3. I have practiced my profession as a geologist since 1975.

4. I am a member of the Prospectors & Developers Association of Canada, and AME.

5. I was employed as an independent consultant by International Bethlehem Mining Corporation, 2489 Bellevue Avenue, West Vancouver, B.C. to perform the exploration program outlined in the accompanying report. I own securities of International Bethlehem Mining Corporation, and thus have a vested interest in the property.

Dated this 1st Day of May, 2009.



Gordon Gibson, B.Sc.

Dated at Vancouver, British Columbia, this 15th day of September, 2010.

STATEMENT OF COSTS

1.	**Salaries**		
	Administration: 2 days @ 600/day	1,200.00	
	Geologist: 3 days @ 450/day	1,350.00	
			2,550.00
2.	**Sampling/Assaying**		
	ALS-Chemex Canada		
	5 ICAP + 2 whole rock	207.57	
			207.57
3.	**Transportation**		
	Helicopter Eurocopter A-Star 2.8 hours @1,400/h + fuel	4,639.20	
	Travel	100.00	
	Vehicle operating & maintenance + fuel	572.43	
			5,311.63
4.	**Report Preparation**		
		2,200.00	
			2,200.00
			======
			Total: $10,269.20

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To: **INTERNATIONAL BETHLEHAM**
2489 BELLEVUE AVE.
WEST VANCOUVER BC V7V 1E1

Finalized Date: 17-JUL-2010
Account: INTBET

CERTIFICATE VA10091285

Project:

P.O. No.:

This report is for 5 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-JUL-2010.

The following have access to data associated with this certificate:

RSMIDDLETON GGASSOC	GGASSOC STEFAN WOZNIAK	RSMIDDLETON

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-MS81	38 element fusion ICP-MS	ICP-MS

To: **INTERNATIONAL BETHLEHAM**
2489 BELLEVUE AVE.
WEST VANCOUVER BC V7V 1E1

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

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CERTIFICATE OF ANALYSIS VA10091285

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS81 Ag ppm 1	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Co ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Cu ppm 5	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01
I921211		1.04	<1	620	544	14.6	<10	0.06	7	16.55	5.92	13.65	4.6	39.5	5.7	2.47
I921212		0.90	<1	723	677	12.6	<10	0.47	<5	19.80	6.82	16.55	10.5	49.7	2.5	2.90
I921215		0.80	<1	131.5	361	17.5	40	0.40	41	8.07	2.55	7.83	8.3	23.5	2.7	1.08
I921216		0.72	<1	1620	666	10.1	20	1.06	14	17.15	6.62	13.15	9.7	41.3	2.6	2.75
I921217		2.96	1	1180	1880	22.3	80	0.15	19	22.4	8.01	24.0	10.9	80.8	15.3	3.09

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Finalized Date: 17-JUL-2010
Account: INTBET

CERTIFICATE OF ANALYSIS VA10091285

Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81
	Analyte	La	Lu	Mo	Nb	Nd	Ni	Pb	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
	LOR	0.5	0.01	2	0.2	0.1	5	5	0.03	0.2	0.03	1	0.1	0.1	0.01	0.05
I921211		242	0.38	6	63.0	314	<5	21	78.9	4.4	53.0	3	4070	2.2	4.59	7.62
I921212		302	0.38	<2	86.1	386	<5	19	95.6	31.7	65.3	3	4070	8.7	5.43	10.10
I921215		145.5	0.13	<2	742	195.5	26	7	51.2	34.4	30.5	5	3850	2.7	2.37	41.3
I921216		322	0.50	<2	381	322	10	48	88.4	49.4	49.1	4	4240	52.0	4.43	14.95
I921217		965	0.37	22	741	904	55	92	251	9.8	116.0	10	5910	38.9	7.44	88.7

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To: **INTERNATIONAL BETHLEHAM**
2489 BELLEVUE AVE.
WEST VANCOUVER BC V7V 1E1

Finalized Date: 17-JUL-2010
Account: INTBET

CERTIFICATE OF ANALYSIS VA10091285

Sample Description	Method / Analyte / Units / LOR	ME-MS81 Tl ppm 0.5	ME-MS81 Tm ppm 0.01	ME-MS81 U ppm 0.05	ME-MS81 V ppm 5	ME-MS81 W ppm 1	ME-MS81 Y ppm 0.5	ME-MS81 Yb ppm 0.03	ME-MS81 Zn ppm 5	ME-MS81 Zr ppm 2
I921211		<0.5	0.55	1.12	53	62	55.9	2.95	58	310
I921212		<0.5	0.60	8.01	68	<1	62.5	3.12	95	180
I921215		<0.5	0.19	0.83	53	1	22.3	1.09	72	89
I921216		<0.5	0.62	65.5	37	1	56.5	3.69	126	99
I921217		<0.5	0.54	53.7	83	1	62.6	3.04	87	719

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To: **INTERNATIONAL BETHLEHAM**
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WEST VANCOUVER BC V7V 1E1

Finalized Date: 21-JUL-2010
Account: INTBET

CERTIFICATE VA10091994

Project:

P.O. No.:

This report is for 2 Rock samples submitted to our lab in Vancouver, BC, Canada on 7-JUL-2010.

The following have access to data associated with this certificate:

RSMIDDLETON GGASSOC	GGASSOC STEFAN WOZNIAK	RSMIDDLETON

SAMPLE PREPARATION

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

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP06	Whole Rock Package - ICP-AES	ICP-AES
OA-GRA05	Loss on Ignition at 1000C	WST-SEQ
ME-MS81	38 element fusion ICP-MS	ICP-MS
TOT-ICP06	Total Calculation for ICP06	ICP-AES

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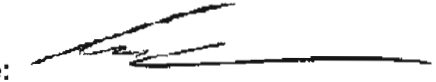
This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

Signature: 

Colin Ramshaw, Vancouver Laboratory Manager

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	ME-MS81 Ag ppm 1	ME-MS81 Ba ppm 0.5	ME-MS81 Ce ppm 0.5	ME-MS81 Co ppm 0.5	ME-MS81 Cr ppm 10	ME-MS81 Cs ppm 0.01	ME-MS81 Cu ppm 5	ME-MS81 Dy ppm 0.05	ME-MS81 Er ppm 0.03	ME-MS81 Eu ppm 0.03	ME-MS81 Ga ppm 0.1	ME-MS81 Gd ppm 0.05	ME-MS81 Hf ppm 0.2	ME-MS81 Ho ppm 0.01
I921213		1.50	<1	583	592	16.4	<10	0.09	9	17.80	6.24	13.45	4.9	43.1	7.1	2.57
I921214		1.10	6	170.0	412	14.0	<10	0.06	16	9.06	2.87	7.84	3.1	26.1	1.1	1.21

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Sample Description	Method / Analyte / Units / LOR	ME-MS81 La ppm 0.5	ME-MS81 Lu ppm 0.01	ME-MS81 Mo ppm 2	ME-MS81 Nb ppm 0.2	ME-MS81 Nd ppm 0.1	ME-MS81 Ni ppm 5	ME-MS81 Pb ppm 5	ME-MS81 Pr ppm 0.03	ME-MS81 Rb ppm 0.2	ME-MS81 Sm ppm 0.03	ME-MS81 Sn ppm 1	ME-MS81 Sr ppm 0.1	ME-MS81 Ta ppm 0.1	ME-MS81 Tb ppm 0.01	ME-MS81 Th ppm 0.05
I921213		261	0.39	16	88.6	301	<5	10	82.3	7.2	50.9	3	4250	3.5	4.76	6.93
I921214		169.0	0.11	9	1115	206	<5	<5	57.2	5.4	32.0	1	4930	36.6	2.66	63.7

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Sample Description	Method	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-MS81	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06
	Analyte	Tl	Tm	U	V	W	Y	Yb	Zn	Zr	SiO2	Al2O3	Fe2O3	CaO	MgO	Na2O
	Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	%	%	%	%
	LOR	0.5	0.01	0.05	5	1	0.5	0.03	5	2	0.01	0.01	0.01	0.01	0.01	0.01
I921213		<0.5	0.57	1.44	29	<1	61.2	3.37	46	347	1.39	0.26	6.40	46.0	4.40	0.13
I921214		<0.5	0.20	19.05	<5	1	27.8	1.23	37	25	2.01	0.18	5.45	31.4	17.25	0.20

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Sample Description	Method	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	ME-ICP06	OA-GRA05	TOT-ICP06
	Analyte	K2O	Cr2O3	TiO2	MnO	P2O5	SrO	BaO	LOI	Total
	Units	%	%	%	%	%	%	%	%	%
	LOR	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
I921213		0.18	<0.01	0.10	0.30	5.22	0.53	0.06	33.5	98.5
I921214		0.13	<0.01	0.01	0.58	3.44	0.61	0.02	38.8	100.0