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GEOLOGICAL REPORT

BALTIC GROUP

BALTIC 1, 4, 7-11 CLAIMS

GOLDEN MINING DIVISION, B.C.

N.T.S. 82K/9W

- Assessment Report -

LAT: 50° 38'

LONG: 116° 20'

OWNER

A. LOUIE

Box 508
Invermere, B.C.
VOA 1K0

Report by: C. Schultze

GEOLOGICAL BRANCH
ASSESSMENT REPORT

20,418

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REPORT ON GEOLOGICAL MAPPING

BALTIC 1, 4, 7-11 CLAIMS

GOLDEN MINING DIVISION, B.C.

N.T.S. 82K/9W

1.00 INTRODUCTION

1.10 Location and Access

The Baltic claim group is located within the Golden Mining Division at a latitude of $50^{\circ} 38'$ and longitude $116^{\circ} 20'$ on N.T.S. mapsheet 82K/9W. The claims occur approximately 27 km west of Radium, B.C. and lie within the Forster Creek drainage basin, straddling that creek at an elevation of 4500 feet above sea level.

Access is gained via good secondary gravel roads out of Invermere, B.C. to the center of the claim block and then via logging haul roads and skid trails on clearcuts thereon.

Topography is moderate to steep while vegetation varies from sparse to thick and comprises fir, spruce, and alder.

1.20 Property Definition

The property comprises 18 claims (18 units), Baltic 1-4, 7-11, and 13, Jaqanal 1-4, and Lady Slipper 1-4 owned 100% by Mr. A. Louie of Invermere, B.C..

1.30 Summary of Work Completed

Work carried out involved geological mapping at 1:5000 scale over the area encompassing the Baltic 1,4,7-11 mineral claims. Three days were spent in the field each by the author and the author's supervisor, Mr. D. Anderson, P.Eng., of Cominco Ltd.. A total of three man days were spent in the office compiling data, preparing the map, and writing the report.

2.00 GEOLOGICAL MAPPING

2.10 Regional Setting

The property and area surrounding it are underlain by strata belonging to the Purcell anticlinorium which comprise Upper Purcell strata of Helikian age, the Toby and Horsethief Creek Formations of the Hadrynian Windermere System and Paleozoic carbonate and siliciclastic lithologies of the Cambrian Jubilee and McKay Formations, Siluro - Ordovician Beaverfoot Formation, and Devonian Mt. Forster and Starbird Formations.

Major unconformities were formed during the Helikian - Hadrynian, Hadrynian - Cambrian, Ordovician - Devonian, and Cretaceous(?) - Recent Periods and have resulted in the erosion of significant thicknesses of stratigraphy during those intervals.

Structurally the strata have undergone multiple deformation histories however the dominant fabrics have been imparted by the Jura-Cretaceous Columbian and Cretaceous-Eocene Laramide orogenic events. Typically complex north trending open folds exist while major faults tend to be of compressional origin and north trending.

2.20 Property Geology

2.21 Stratigraphy

Strata underlying the map area in chronological order include the Toby, Horsethief Ck., McKay (?), Beaverfoot, and Mt. Forster Formations. Physical characteristics of these formations and their internal members are as follows.

Toby Fm. - well rounded to angular, pebble to boulder sized clasts within a fine grained matrix. Clasts are often matrix supported and comprise Upper Purcell lithologies. May be rusty to buff to grey to green weathering.

Horsethief Ck. Fm. - locally consists of green, purple, dark grey, fissile slates, calcareous and siliceous quartzites, quartz pebble grits and conglomerates.

McKay Fm. - dark grey argillite, varve laminations common, variably pyritic. Pink and grey microcrystalline dolomite lenses commonly interbedded. Locally fossiliferous.

Beaverfoot Fm. - typically medium to dark grey dolomite, fine crystalline, intraformational breccias not uncommon; submembers include thin dark grey to black shale units, white to dark blue silicified sandstones and quartzites with limey interbeds, and argillaceous dolomites.

Mt. Forster Fm. - Red and green argillite; brown weathering and thin bedded grey argillaceous limestone, fine grained calcareous white quartzites.

2.22 Structure

The western portion of the claims is bounded by Windermere strata which have been displaced eastward and vertically by a major, moderately dipping reverse fault. These strata have been juxtaposed against Paleozoic strata which have been folded into a recumbent syncline, axial plane dipping approximately 35 to 40 degrees west, trending to the NNW. The core of this syncline is occupied by the Mt. Forster Fm..

Brittle lithologies have responded to the high strain by fracturing and have locally formed tectonic breccia units typically healed by quartz or calcite cement.

2.23 Mineralization

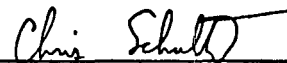
Two lead/zinc showings were mapped on the property in the vicinity of the Baltic 10 and 11 claims and occur in an area of extensive overburden. The exposed showings, BZS-1 and BZS-2, comprise disseminated sphalerite and galena along fractures in limestones and dolomites of the Beaverfoot Fm.. Minor replacement textures in the carbonates are exhibited adjacent to the fracture mineralization. The BZS-1 showing is the better of the two prospects and has interbedded shale and carbonate lithologies.

It is thought that the showings exist near the base of the Beaverfoot Fm. here, on the overturned west limb of the syncline and that the McKay Fm. exists upslope under the mantle of overburden.

3.00 CONCLUSIONS

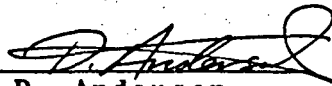
The Baltic 1,4,7-11 claims are underlain by Proterozoic conglomeratic and siliciclastic sequences of the Toby and Horsethief Ck. Fm.'s and Paleozoic carbonate and siliciclastics of the Cambrian McKay Fm., Ordovician-Silurian Beaverfoot Fm., and Devonian Mt. Forster Fm.. Unconformities existing at the Hadrynian-Cambrian, Cambro-Ordovician, and Siluro-Devonian intervals along with structure have resulted in a complex interplay of stratigraphic bounding relationships. Two mineral showings exist on the property. Mineralization comprises disseminated galena and sphalerite along fractures formed within Beaverfoot Fm..

Report by:



C. Schultz
Geologist I

Endorsed by:



D. Anderson
Senior Geologist

xc: Mining Recorder (2 copies)
A. Louie

EXHIBIT "A"
STATEMENT OF EXPENDITURES
GEOLOGICAL MAPPING
BALTIC 1, 4, 7-11 CLAIMS

Period covering August 27 - 31, 1990

SALARIES:

D. Anderson - Geological fieldwork - Plotting
4 days @ \$300 \$1200.00

C. Schultze - Geological fieldwork - Plotting - Drafting
5 days @ \$ 200 / day \$1000.00

DOMICILE: (Meals plus Lodging) \$430.00

TRANSPORTATION:

Two 4x4 Pickups @ \$40.00 / day for 4 days \$320.00

MISCELLANEOUS:

Drafting materials \$90.00

TOTAL = -----
\$3040.00

Chris Schultze
C. Schultze
Geologist I

IN THE MATTER OF THE
B.C. MINERAL ACT
AND
IN THE MATTER OF A GEOLOGICAL MAPPING PROGRAM
CARRIED OUT ON THE BALTIC 1, 4, 7-11 CLAIMS
IN THE GOLDEN MINING DIVISION
MORE PARTICULARLY N.T.S. 82K/9W

A F F I D A V I T

I, C. Schultze of the City of Cranbrook, in the Province of British Columbia, make Oath and say:

1. That I am employed as a Geologist by Cominco Ltd. and as such, have a personal knowledge of the facts to which I hereinafter depose;
2. That annexed hereto and marked as Exhibit "A" to this my Affidavit is a true copy of expenditures incurred on a Geological mapping program on the BALTIC 1, 4, 7-11 CLAIMS
3. That the said expenditures were incurred between the 27th and 31st days of August.

Chris Schultze

C. Schultze
Geologist I

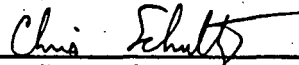
AUTHOR'S QUALIFICATIONS

As author of this report I, C. Schultze certify that:

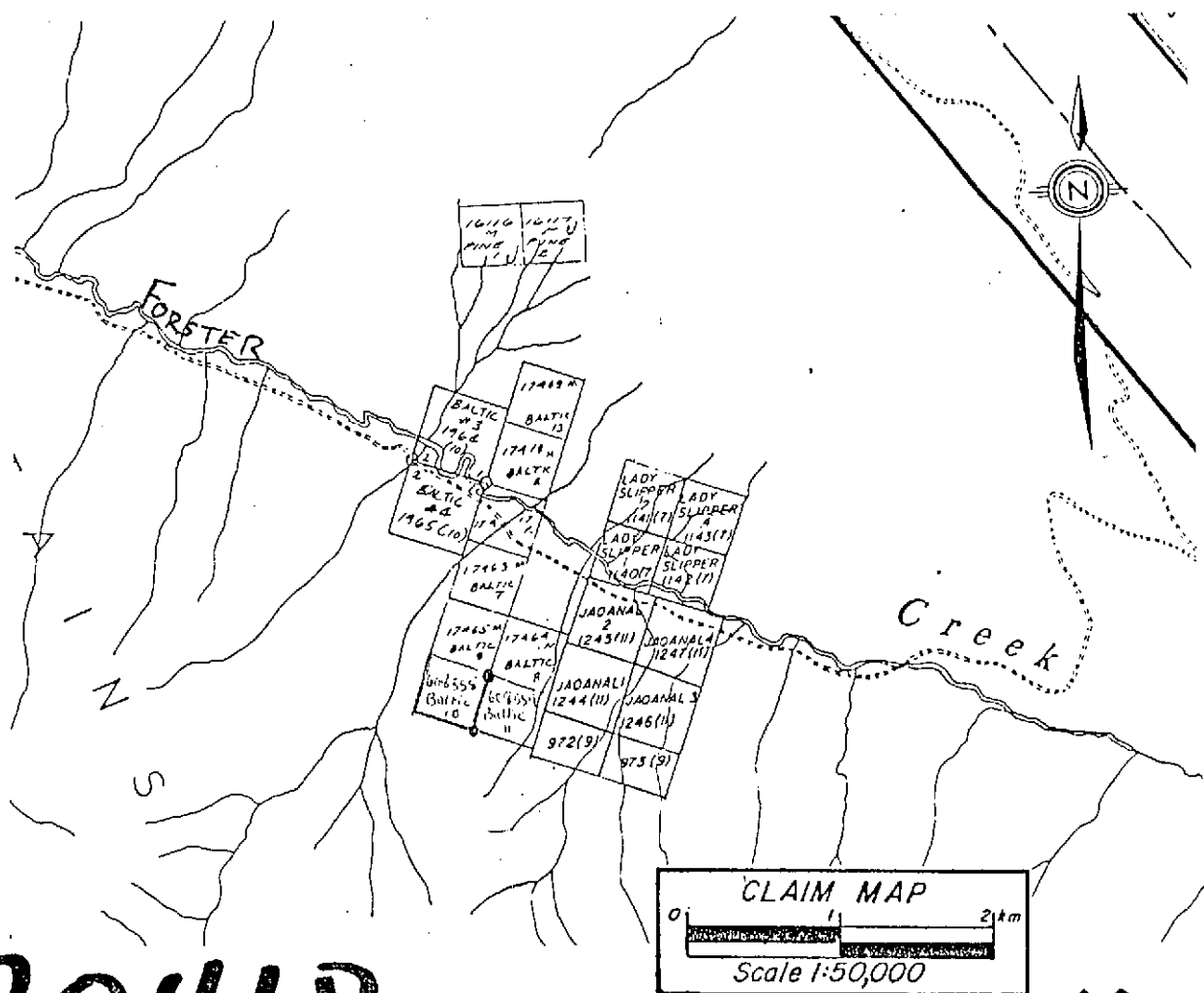
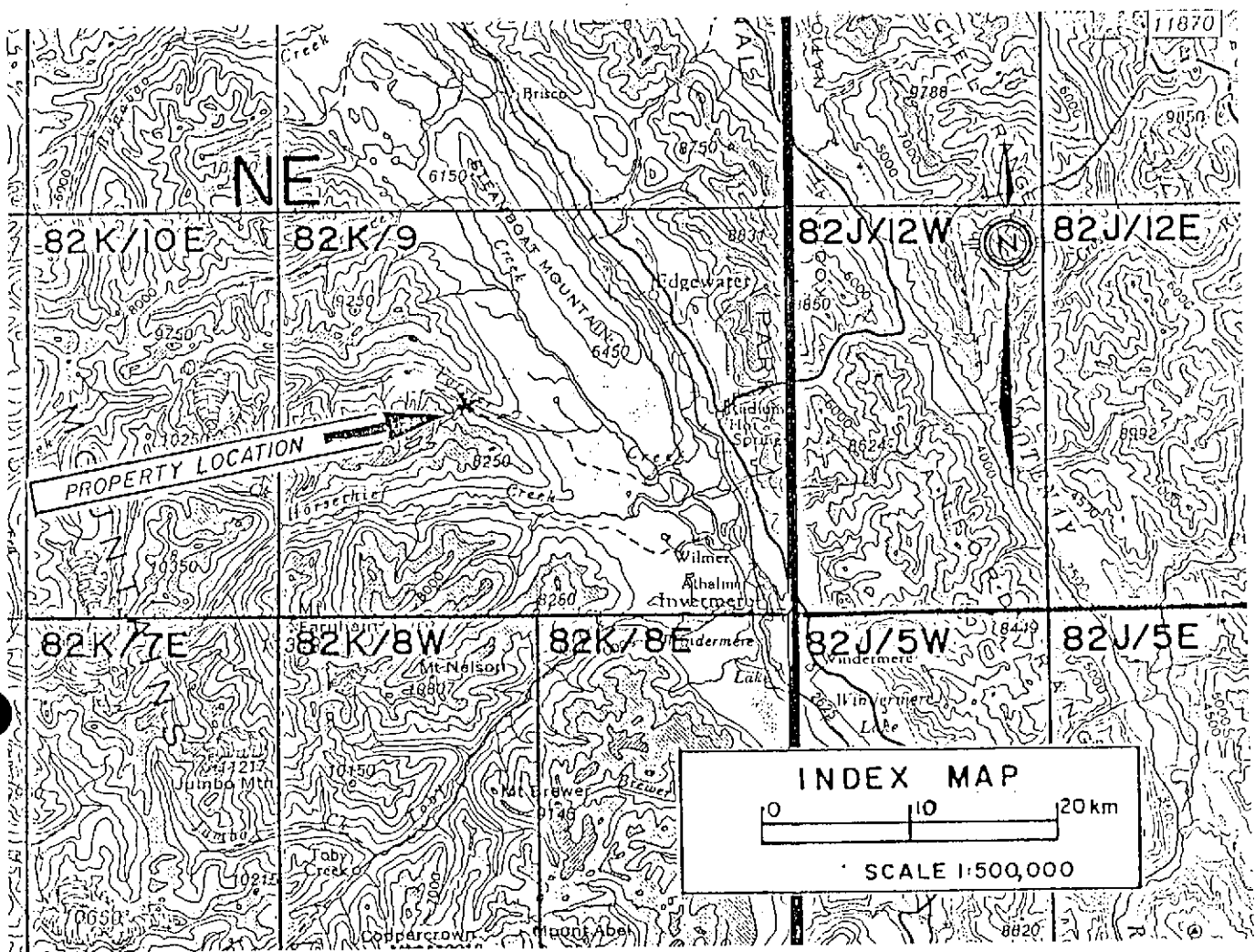
I am employed by Cominco Ltd. as a geologist active in mineral exploration;

I am a graduate of the University of Calgary with a degree of Bachelor of Science, Geology Major;

I have been engaged continuously in geology and mineral exploration for two years.



C. Schultze
Geologist I



20418



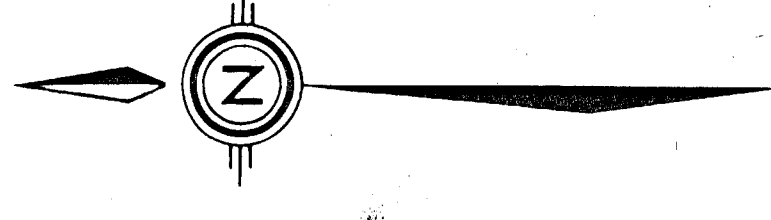
by:	Traced by:		
y	Date	Revised by	Date

Baltic Property - Location and Claim Map

Scale: As Shown

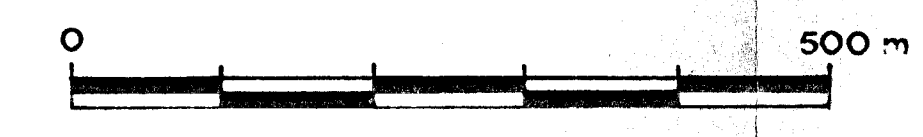
Date: 08-90

Plate: 1



- LEGEND**
- DEVONIAN**
 - 10 Red and green argillite, brown weathering thin bedded, grey argillaceous limestone, fine grain grey quartzite
 - ORDOVICIAN AND SILURIAN**
 - 9 Argillaceous dolomite, light to dark grey, buff to orange weathering, finely disseminated pyrite not uncommon.
 - 8 Silicified sandstone, fine grain to quartz pebble grit, in part contains large and small clasts of silicified carbonate.
 - 7 Shale, dark grey to black, rusty to dark grey weathering.
 - 6 Dolomite, medium to dark grey, finely crystalline, light grey to buff weathering, commonly intraterrationally brecciated.
 - UPPER CAMBRIAN**
 - 5 Shales and slates, brown to buff weathering, commonly silicified, in part contains large and small clasts of silicified G.S.C., interbedded sections of grey laminated thin bedded, commonly intraterrationally brecciated (edgewise conglomerate).
 - MIDDLE CAMBRIAN**
 - 4 Dolomite, massive, medium to coarsely crystalline, commonly vuggy.
 - 3 Dolomite, micritic, thin bedded, thinly laminated.
 - YINERHEE (Precambrian)**
 - 2 Quartzite and quartz pebble grits.
 - 1 Pebble, cobble and boulder polyictic, conglomerate and breccia.
 - Phn mineralization

- SYMBOLS**
- \nearrow Bedding attitude, right way-up, overturned
 - \nwarrow Joints: inclined, vertical
 - \vee Shear
 - \sim Cleavage; S₁
 - \curvearrowright Syncline, recumbent
 - \curvearrowleft Thrust fault
 - 9 x Outcrop pattern, location
 - Geological contact



A.R. 20418

BALTIC PROPERTY

Drawn by:	Traced by:
Revised by:	Revised by:
Date:	Date:
Scale: 1:5000	Date: 08-90
Plate: 2	

Baltic South - GEOLOGY