

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/7, 10

1994 ASSESSMENT REPORT

MAJOR PROPERTY

SOIL GEOCHEMISTRY

WATSON LAKE M.D., YUKON

PELLY MOUNTAINS AREA

LAT: 61°30'

LONG:130°45'

WORK PERIOD

JULY 28, 1994

MAY, 1995

PAUL A. MacROBBIE

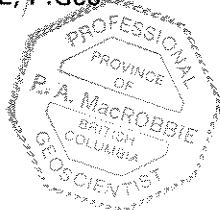
## STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 11164 Southridge Rd., Delta, B.C. hereby declare that I:

1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.
2. Have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.
3. Am a registered member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

Date: April 10, 1995

  
\_\_\_\_\_  
P.A MacROBBIE, P. Geo  
GEOLOGIST



MAP NO:105G/7,10

ASSESSMENT REPORT: X

DOCUMENT NO: 093344

PROSPECTUS:

MINING DISTRICT:Watson Lake

CONFIDENTIAL: X

TYPE OF WORK:Geochemistry

OPEN FILE:

REPORT FILED UNDER: Cominco Ltd.

DATE PERFORMED:July 28, 1994

DATE FILED:June 23, 1995

LATITUDE:61 30

AREA:Pelly Mountains

LONGITUDE:130 45

VALUE:\$2700

CLAIM NAME AND #:Major 1-15

WORK DONE BY:P.MacRobbie

WORK DONE FOR:Cominco Ltd.

DATE TO GOOD STANDING	REMARKS:The property is largely overburden covered and no anomalies were identified.

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/7, 10

093344

1994 ASSESSMENT REPORT

MAJOR PROPERTY

SOIL GEOCHEMISTRY

WATSON LAKE M.D., YUKON

PELLY MOUNTAINS AREA

WORK PERIOD

JULY 28, 1994



MAY, 1995

PAUL A. MacROBBIE

## TABLE OF CONTENTS

	<u>Page</u>
1. SUMMARY	1
2. LOCATION AND ACCESS	1
3. PROPERTY AND OWNERSHIP	1
4. PREVIOUS WORK	1
5. 1994 WORK	1
6. CONCLUSIONS AND RECOMMENDATIONS	3
7. REFERENCES	4

FIGURE 1 GENERAL LOCATION

FIGURE 2 CLAIM and GEOCHEMISTRY MAP (1:10,000)

APPENDIX 1 STATEMENT OF QUALIFICATIONS

APPENDIX 2 1994 GEOCHEMISTRY DATA

APPENDIX 3 STATEMENT OF EXPENDITURES

This report has been examined by  
the Geological Evaluation Unit  
under Section 53 (4) Yukon Quartz  
Mining Act and is allowed as  
representation work in the amount  
of \$ 2700.

*M. B. H.*

*for* Regional Manager, Exploration and  
Geological Services for Commissioner  
of Yukon Territory.

1994 ASSESSMENT REPORT  
MAJOR PROPERTY, YUKON TERRITORY

1. SUMMARY

The MAJOR property is located 8 kms northwest of Cominco's ABM VHMS deposit, approximately 25 kms west of Wolverine Lake, 20 kms south of Finlayson Lake and 120 kms southeast of Ross River.

The property was staked to cover airborne geophysical targets identified during a Cominco survey conducted in early 1994.

The rocks underlying this part of southeastern Yukon have been assigned to 2 terranes: the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT)(Mortensen, 1983a; Mortensen and Jilson, 1985). The YTT consists primarily of a layered sequence of metamorphosed rocks comprising a "lower unit" of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian "middle unit" comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics, and an "upper unit" of Pennsylvanian marbles and quartzite. Volcanism within the "middle unit" was accompanied by the intrusion of 2-3, late Devonian to Mississippian, mafic to felsic metaplutonic suites. Felsic volcanics of the middle unit are host to the ABM deposit.

The majority of the property, including the area of the AEM/Mag anomaly, is overburden covered and may be underlain by the YTT metasedimentary/metavolcanic package exposed a few kms to the southeast on the Kudz Ze Zayah property. There is no outcrop exposure on the MAJOR property, only some boulder fields which may or may not represent local geology.

Soil geochemistry sampling in the area of the AEM/Mag anomaly returned no anomalies of interest.

No indications of the presence of felsic metavolcanics or base metal mineralization of a VHMS style were found. Dependant on an evaluation of the AEM/Mag anomaly, a ground geophysical survey (UTEM/HLEM and Mag) maybe warranted. No other work is recommended.

2. LOCATION AND ACCESS

The MAJOR property is located 8 kms northwest of Cominco's ABM deposit, approximately 28 kms west of Wolverine Lake, 20 kms south of Finlayson Lake and 120 kms southeast of Ross River (Figures 1). The gravel, all-weather Robert Campbell Highway provides access to within 20 kms of the property. Direct access is by helicopter.

3. PROPERTY AND OWNERSHIP

The MAJOR property, totalling 15 units due April 15, 1995 (Figure 2), is 100% owned by Cominco Ltd.

<u>NAME</u>	<u>UNITS</u>	<u>CLAIM NO.</u>	<u>DUE DATES</u>
MAJOR 1-15	15	YB47446-60	April 15/95

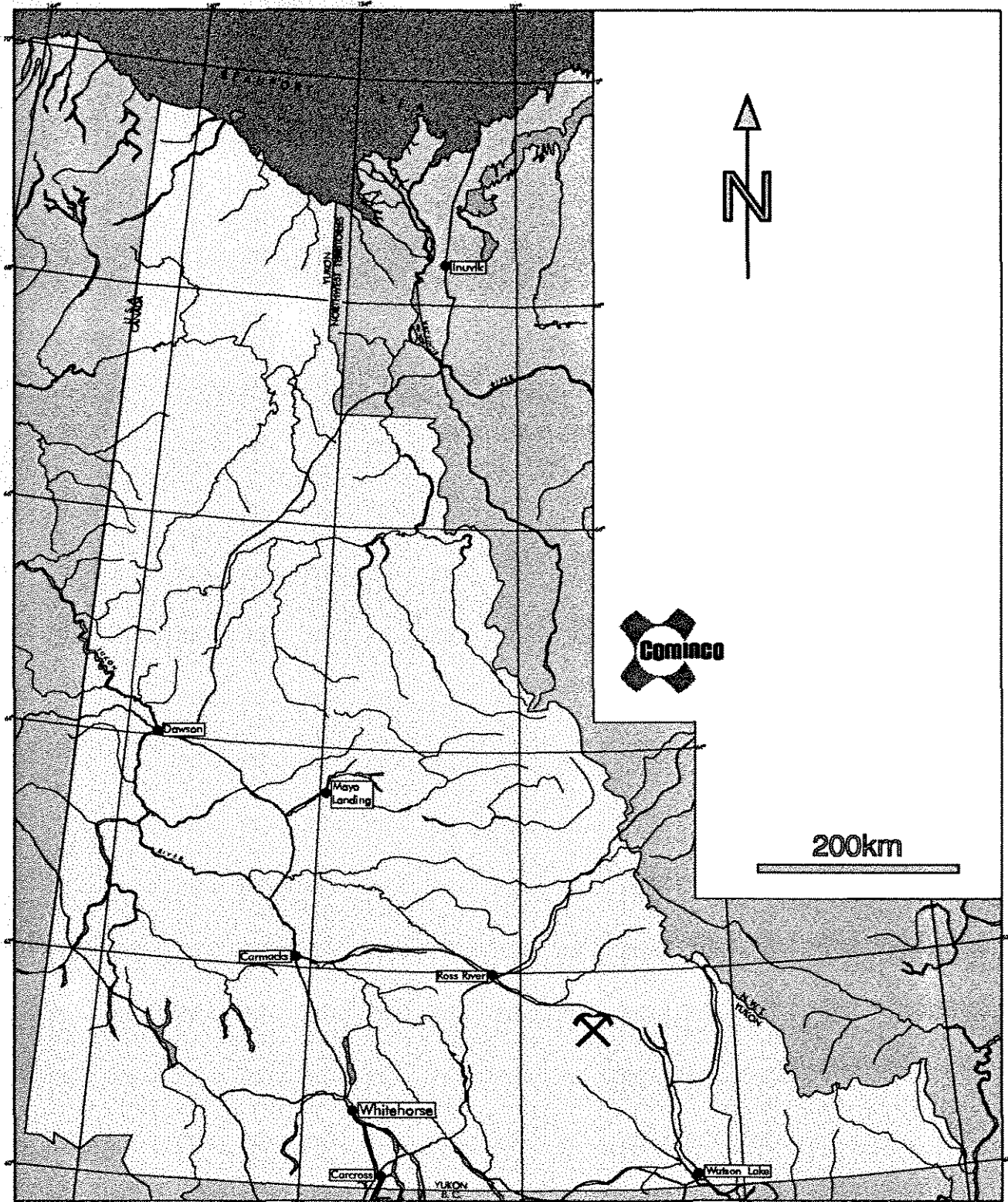
4. PREVIOUS WORK

No previous work by Cominco, other than broad regional heavy mineral stream sediment sampling in 1977, has been done in the property area.

5. 1994 WORK

SOIL GEOCHEMISTRY

A total of 40 soil samples were collected on July 28, 1994. Data is presented in Figure 2 and Appendix 3.



Drawn by: Traced by: a. m. a.

Revised by:	Date:	Revised by:	Date:

## MAJOR PROPERTY LOCATION

105 G/7, 10

Scale: As Shown

Date: April, 1995

Plate: 1

The soil samples were analyzed for Cu, Pb, Zn, Ag, As, Cd, Co, Ni, Fe, Mo, Cr, Bi, Sb, V, Sn, W, Sr, Y, La, Mn, Mg, Ti, Al, Ca, Na and K by I.C.P., Au by Aqua Regia decomposition/AAS and Ba by XRF at Cominco Exploration Research Laboratory (CERL) in Vancouver.

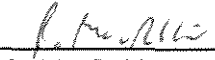
## 6. CONCLUSIONS and RECOMMENDATIONS

The majority of the property, including the area of the AEM/Mag anomaly, is overburden covered and may be underlain by the YTT metasedimentary/metavolcanic package exposed a few kms to the west on the Kudz Ze Zayah property.


Soil geochemistry sampling in the area of the AEM/Mag anomaly returned no anomalies of interest.

No indications of the presence of felsic metavolcanics or base metal mineralization of a VHMS style were found. Dependant on an evaluation of the AEM/Mag anomaly, a ground geophysical survey (UTEM/HLEM and Mag) maybe warranted. No other work is recommended.

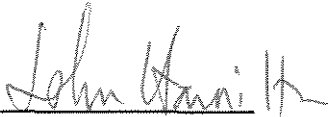
Report by:

  
P.A. MacRobbie, P. Geo  
Geologist

Endorsed by:

  
D. Rhodes,  
Senior Geologist

Approved for  
Release by:

  
J.M. Hamilton  
Manager, Exploration  
Western Canada

PAM/

DISTRIBUTION:  
W.D. Files  
Admin. Files



MORTENSEN, J. K., 1983a. AGE AND EVOLUTION OF THE YUKON-TANANA TERRANE, SOUTHEASTERN YUKON TERRITORY [Ph.D. Thesis]; Santa Barbara, University of California, 155 p.

MORTENSEN, J. K. AND JILSON, G. A., 1985. EVOLUTION OF THE YUKON-TANANA TERRANE : EVIDENCE FROM SOUTHEASTERN YUKON TERRITORY; *Geology*, 13, p. 806-810.


**APPENDIX 1**  
**STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Paul A. MacRobbie, of 11164 Southridge Rd., Delta, B.C. hereby declare that I:

1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.
2. Have been actively engaged in mineral exploration in Western Canada as a permanent geologist with Cominco Ltd. since June, 1988.
3. Am a registered member of The Association of Professional Engineers and Geoscientists of the Province of British Columbia.

Date: May 8, 1995

  
\_\_\_\_\_  
P.A MacROBBIE, P.Ge  
GEOLOGIST

**APPENDIX 2**

**1994 GEOCHEMISTRY DATA**



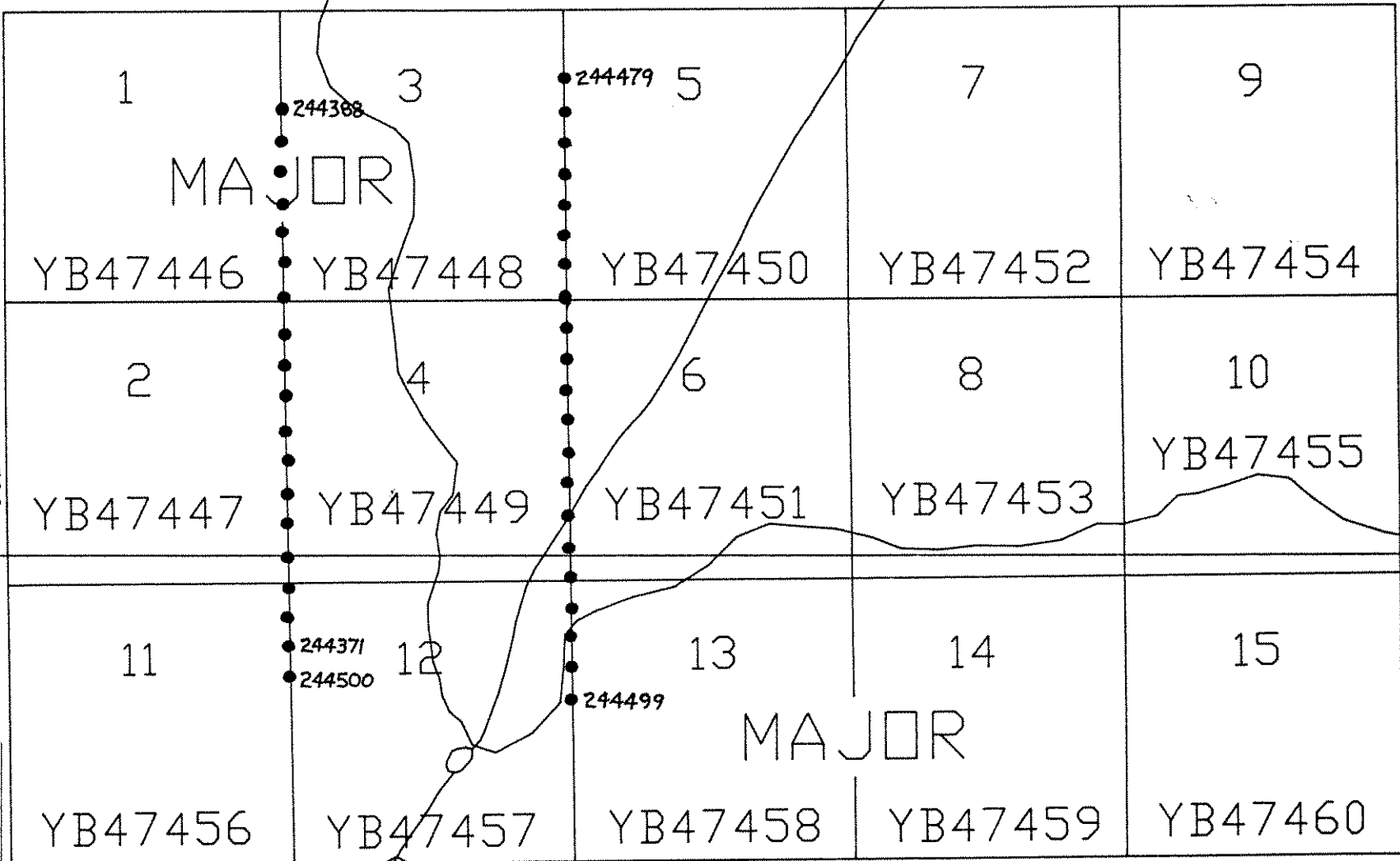
**APPENDIX 3**  
**STATEMENT OF EXPENDITURES**

## MAJOR PROPERTY

STAFF COSTS	700
DOMICILE	109
GEOCHEMISTRY	680
HELICOPTER	792
COMMUNICATIONS	29
TRUCK RENTAL	56
FREIGHT	174
EXPEDITING	35
DRAFTING	168
TOTAL	2,743



● Field Number  
(Sample Location)



Drawn by: \_\_\_\_\_  
Traced by: \_\_\_\_\_

Revised by \_\_\_\_\_ Date \_\_\_\_\_  
Revised by \_\_\_\_\_ Date \_\_\_\_\_

Geochem Sample Locations and  
Claim Number/Boundary

Scale: 1:10,000

Date: \_\_\_\_\_

MAY 9/1995

Plate: FIG 2