COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/2, 7

1994 ASSESSMENT REPORT

RIFE and TOR PROPERTIES

LINECUTTING, GROUND GEOPHYSICS (HLEM/MAG AND GRAVITY), SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

FIRE LAKE AREA, PELLY MOUNTAINS

WORK PERIOD

JULY 5-13, 27 AND AUGUST 5-7, 11, 1994

APRIL, 1995

PAUL A. MacROBBIE

TABLE OF CONTENTS

		Page
1.	SUMMARY	1
2.	LOCATION AND ACCESS	1
3.	PROPERTY AND OWNERSHIP	3
4.	PREVIOUS WORK	3
5.	REGIONAL GEOLOGY	3
6.	1994 FIELD WORK	4
7.	RIFE PROPERTY GEOLOGY, GEOCHEMISTRY and GEOPHYSICS	5
8.	TOR PROPERTY GEOLOGY, GEOCHEMISTRY and GEOPHYSICS	5
9.	CONCLUSIONS AND RECOMMENDATIONS	6
10.	REFERENCES	7
FIGURE 1	GENERAL LOCATION	2
APPENDIX 1	STATEMENT OF QUALIFICATIONS	
APPENDIX 2	1994 GEOCHEMISTRY DATA	
APPENDIX 3	STATEMENTS OF EXPENDITURES	
APPENDIX 4	GEOPHYSICAL TARGET EVALUATION & FIGURES	

ATTACHMENTS

FIGURE 2 CLAIM MAP (1:10,000)

FIGURE 3 GEOLOGY AND GEOCHEMISTRY MAP (1:10,000)

1994 ASSESSMENT REPORT
RIFE and TOR PROPERTIES, YUKON TERRITORY

1. SUMMARY

The RIFE and TOR properties, are located north of Fire Lake, about 25 kms south of Cominco's ABM VHMS Deposit and approximately 120 kms southeast of Ross River.

The properties were 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 the Yukon-Tanana Terrane (YTT) and the Slide Mountain Terrane (SMT). 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 Cominco's ABM VHMS Deposit.

Both properties are underlain by late Devonian to mid-Mississippian, *"middle unit"* (3F) and/or *"lower unit"* (3I) of the Yukon Tanana Terrane comprising sequences of mixed carbonaceous phyllite and metasedimentary schist. The RIFE property exposes an interval of mixed felsic and mafic metavolcanic(?) gneissic schists and phyllite.

Samples from a contour soil line, in the area of the felsic metavolcanics(?) at the north end of the RIFE property, returned scattered elevated to anomalous Zn(451 ppm peak), Ag(1.9 ppm peak), Cd and Cu(134 ppm peak) values. Further along the line, downslope of the mafic metavolcanics(?)/siltstone-sandstone contact several scattered elevated to anomalous Zn(516 ppm peak), Ag(1.2 ppm peak), Cd and Cu(79 ppm peak) values. All these anomalies show an elevated Cr-V$\pm$Mo signature.

An AEM/Mag feature was identified in the northern part of the property. Given the presence of felsic and mafic volcanics and interesting soil geochemistry, this anomaly deserves a reappraisal.

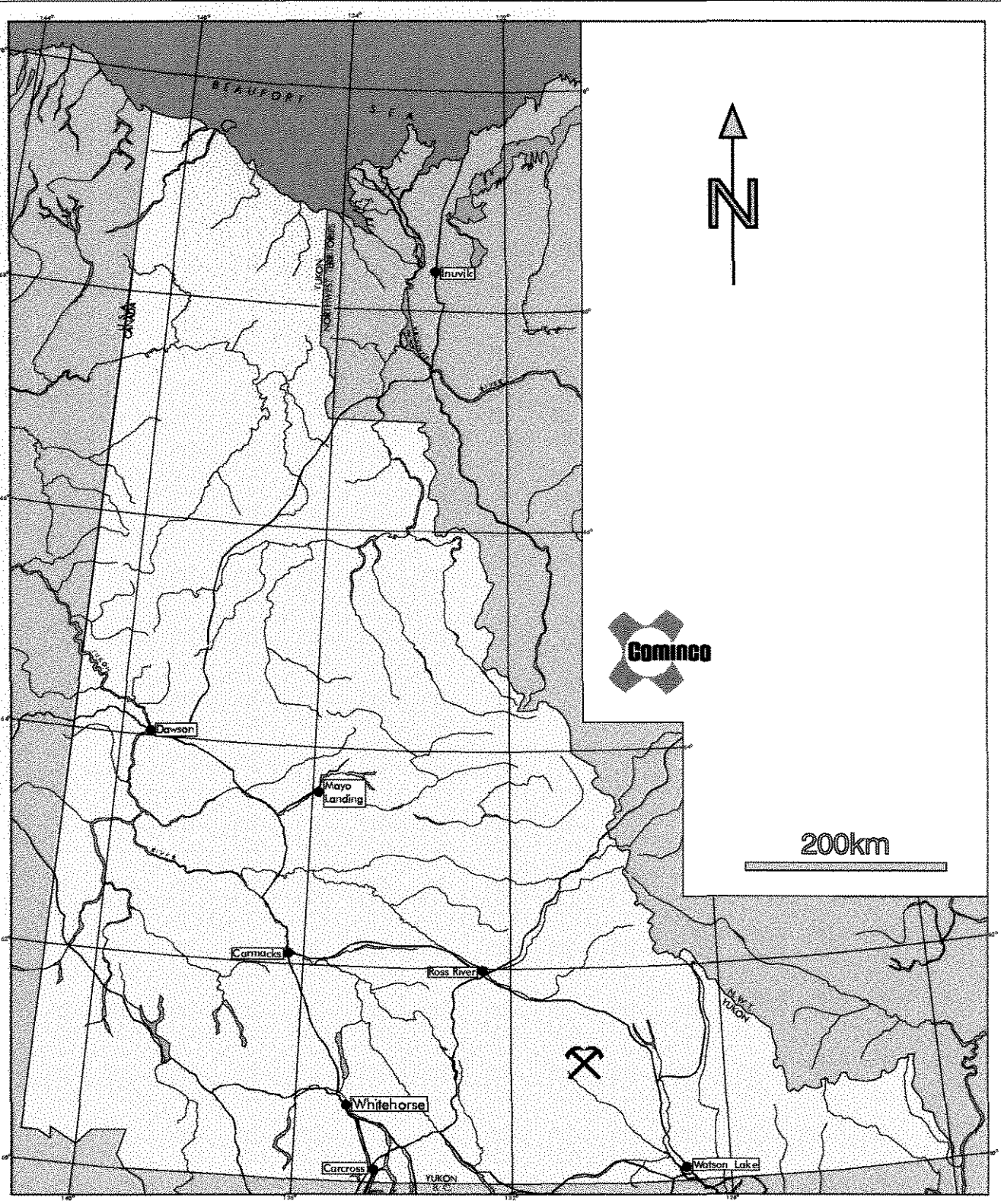
Soil geochemistry sampling in the RIFE geophysical grid area was restricted to the grid lines. The soils returned several moderate to strong Cu (>65, up to 277 ppm) values with a coincident, moderate to strong Ni-Fe-Mo-Cr$\pm$Pb-Ag metal signature.

The 1994 ground geophysical survey identified the presence of a moderately conductive zone with an associated magnetic signature, which appears to thicken to the northwest. Significantly, this zone has a 0.3 mgal gravity response. However, the metal association of the soil anomalies suggests that any mineralization possibly associated with the EM/Mag/gravity feature maybe mafic intrusive related. Further ground geophysical surveys are warranted to determine the size and extent of the gravity feature identified in 1994.

On the TOR property, soil sampling along the grid lines and a single rock sample returned no anomalies of interest. Ground geophysical surveys indicate no corresponding gravity expression to the shallow EM/Mag features. No further work is recommended for this property.

2. LOCATION AND ACCESS

The TOR property is located about 5 kms northwest of the RIFE property, which overlies the north end of Fire Lake. This area is about 23 kms south of Cominco's ABM VHMS Deposit and approximately 120 kms southeast of Ross River (Figures 1). The gravel, all-weather Robert Campbell Highway provides access to within 45 kms of the properties. Direct access is by helicopter.



Drawn by:		Traced by: a. m. a.	
Revised by:	Date:	Revised by:	Date:

TOR and RIFE
PROPERTY LOCATIONS

105 G/2, 7

Scale:	As Shown	Date:	April, 1995	Plate:	1

3. PROPERTY AND OWNERSHIP

The RIFE property (52 units) and the TOR property (57 units) (Figure 2) are 100% owned by Cominco Ltd.

NAME	UNITS	CLAIM NO.	DUE DATES
RIFE 1-44	44	YB50189-232	July 7/95
RIFE 45-52	8	YB51206-213	July 13/95
TOR 1-57	57	YB50233-289	July 7/95

4. PREVIOUS WORK

Prior Cominco work in the immediate area of the properties consisted of local stream silt, heavy mineral and minor soil geochemistry sampling.

The TOR area was previously staked as the Tak claims (Minfile #33) (Figure 3). This claim group was staked by Atlas Exploration Ltd. in 1966 following an aeromag/EM survey. Atlas conducted grid soil sampling and prospecting in that same year. No indications of mineralization were found and the claims lapsed.

The RIFE property appears to cover an area at the north end of Fire Lake which was previously staked by Atlas Exploration (Minfile #68; Ash), also in 1966, following the same aeromag/EM survey. Atlas conducted ground Mag and EM surveys, grid soil sampling and geological mapping later in the year. The anomaly is located in an area of extensive overburden and no indications of mineralization were found. The claims were allowed to lapse. The area was briefly held in 1974, but no work was recorded. This anomaly is most likely the same feature identified by the 1994 Cominco airborne survey and ground tested in 1994.

Approximately 1 km north of the north end of the property are W-Cu showings (Minfile #102; Howdee) staked by Chevron Canada Ltd. in 1979. Chevron conducted prospecting, geological mapping and soil geochemistry surveys in 1979 and 1980. This work outlined 2 small, fault-related calc-silicate zones with fine disseminated scheelite and minor chalcopyrite in a muscovite schist near the margin of an intrusive stock. W$\pm$Au soil anomalies were found proximal to the showings and the stocks margins.

The most significant showing in the RIFE area is the Fyre showings (Minfile #34) located on the adjoining claim block to the east. The area was initially staked by Cassiar Asbestos Corp. in 1960. Most recently Placer Dome Exploration optioned the property from Welcome North Resources Inc. in 1990 and conducted airborne and ground geophysical surveys, mapping and soil geochemistry surveys in 1990/91 before dropping the option in 1992. The occurrence appears to be a Besshi-style VHMS deposit hosted near the top of a complex assemblage of Yukon Tanana Terrane mafic(?) metavolcanics and overlying metasedimentary rocks. The mineralization is zoned from a siliceous, chloritic, magnetite Fe-formation with disseminated pyrite-pyrrhotite$\pm$chalcopyrite in the northwest to a sulphide facies of massive, fine-grained pyrite with lesser chalcopyrite-sphalerite located about 1,500 metres to the southeast. The sulphide facies has a "reserve" of about 1.4 Mt of 1% Cu, 1% Zn, 5.1 g/t Ag and 0.7 g/t Au.

5. REGIONAL GEOLOGY

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"* (3l) of pre-Devonian quartzite, pelitic schist and minor marble, a late Devonian to mid-Mississippian *"middle unit"* (3F) comprising carbonaceous phyllite and schist with interbanded mafic and, locally significant, felsic metavolcanics (3G), 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 (Simpson Range suite and augen and monzonitic orthogneisses). This sequence appears to reflect stable platformal or shelf sedimentation with an intervening period of mafic to felsic arc

volcanism developed within a more reduced basinal setting. Felsic volcaniclastics of the *"middle unit"* are host to Cominco's ABM VHMS Deposit.

The late Devonian to Triassic SMT comprises a heterogenous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonate and chert. This sequence was structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening (D2). The SMT is thought to represent a disrupted oceanic crust and volcanic arc assemblage thought to be located between the YTT and ancestral North America(?).

A subhorizontal to moderately north to northeast dipping, penetrative ductile deformation fabric (S2) and associated middle greenschist facies (chlorite-biotite grade) metamorphism affects all YTT rocks. This fabric reflects the first, and most significant, deformational and metamorphic event (D1) perhaps related to a continent-arc collision during late Permian to early Triassic time.

Late Triassic immature clastics comprising micaceous argillite, siltstone and sandstone unconformably(?) overlie the deformed and metamorphosed YTT rocks. These sediments are often closely associated with SMT volcanics and are invariably in fault contact with YTT rocks.

The SMT, Late Triassic sediments and Late Triassic to Middle Jurassic plutons are all affected by a period of Middle Jurassic to Late Cretaceous thrust faulting (D2), during which the Finlayson Lake Fault Zone was formed. This complex fault zone contains both thrust and steep, transcurrent(?) faults and separates the YTT from autochthonous North America (Mortensen, 1983a; Mortensen and Jilson, 1985).

6. 1994 FIELD WORK

RIFE PROPERTY
LINECUTTING

During the period of July 5-7, 1994, a geophysical grid totalling 3.8 line kilometres was cut on the property by Coureur Des Bois Ltd. of Whitehorse, Yukon (Figure 3).

GEOPHYSICAL SURVEYS

On August 5, 6 and 11, 1994, a total of 2.8 lkms of HLEM, 2.9 lkms of total field MAGNETICS and 2.4 lkms of GRAVITY were surveyed on the grid by a Cominco geophysical crew.

GEOLOGICAL MAPPING

On July 27 and August 11, 1994, 1:10,000 scale geological mapping and prospecting was carried out by P.M. MacRobbie and P.W. Ransom (Figure 3).

SOIL GEOCHEMISTRY

A total of 78 soil samples were collected on July 27, 1994. Data is presented in Figure 3 and Appendix 2.

TOR PROPERTY
LINECUTTING

During the period of July 8 to July 13, 1994, a geophysical grid totalling 7.2 line kilometres was cut on the property by Coureur Des Bois Ltd. of Whitehorse, Yukon (Figure 3).

GEOPHYSICAL SURVEYS

On August 7, 1994, a total of 5.3 lkms of HLEM and 5.3 lkms of total field MAGNETICS were surveyed on the grid by a Cominco geophysical crew.

GEOLOGICAL MAPPING

On July 27, 1994, 1:10,000 scale geological mapping and prospecting was carried out by N.J. Callen and A.B. Mawer (Figure 3).

SOIL GEOCHEMISTRY

A total of 37 soil samples and 1 rock sample were collected on July 27, 1994. Data is presented in Figure 3 and Appendix 2.

All soil and rock 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.

7. RIFE PROPERTY GEOLOGY, GEOCHEMISTRY and GEOPHYSICS

GEOLOGY

The property is generally poorly exposed with outcrops restricted to ridges and hill slopes, primarily at the north end of the property.

Mortenson (1983a) suggests the property to be underlain by late Devonian to mid-Mississippian *"lower unit"* micaceous quartzite and marble; however, the property appears more likely to be underlain by sequence of mixed, *"middle unit"* carbonaceous phyllite and metasedimentary schist and an interval of mixed felsic and mafic metavolcanics (3F).

The stratigraphy underlying the northern half of the property generally trends northwest with shallow to moderate (5-35°) northeast dips (Figure 3). The stratigraphy comprises an uppermost unit of dark grey to black, siliceous, fine ilmenite "speckled" phyllite and phyllitic wacke (possibly 3F equivalent) underlain by a 300$\pm$ metres thick unit of thinly banded quartz-feldspar-biotite-chlorite-sericite gneissic schist (felsic volcaniclastics?), a thin, 50-100 metres thick, dark grey phyllite and wacke and a 200-300+ metres thick unit of dark to medium green, locally rusty weathering chlorite-amphibole phyllite (mafic volcaniclastics?) with minor biotite-chlorite-quartz phyllite (possible 3F/3G equivalent) underlain by a sequence of variably rusty weathering and carbonaceous quartz-biotite-sericite phyllitic schist (possibly 3I/3F siltstone/sandstone).

Exposure at the south end of the property, in the geophysical grid area, is minor. All the exposures here consist of metasedimentary biotite-quartz-staurolite-sericite schists with west to north-northeast trends and shallow dips.

GEOCHEMISTRY

Samples from a contour soil line, in the area of the felsic metavolcanics(?) at the north end of the property, returned scattered elevated to anomalous Zn (451 ppm peak), Ag (1.9 ppm peak), Cd and Cu (134 ppm peak) values. Further along the line, downslope of the mafic metavolcanics(?)/siltstone-sandstone contact several scattered elevated to anomalous Zn (516 ppm peak), Ag (1.2 ppm peak), Cd and Cu (79 ppm peak) values. All these anomalies show an elevated Cr-V$\pm$Mo signature.

Soil geochemistry sampling in the geophysical grid area was restricted to the grid lines. The soils returned several moderate to strong Cu (>65, up to 277 ppm) values with a coincident, moderate to strong Ni-Fe-Mo-Cr$\pm$Pb-Ag metal signature.

GEOPHYSICS

An AEM/Mag feature was identified in the northern part of the property.

The 1994 ground geophysical survey identified the presence of a moderately conductive zone with an associated magnetic signature, which appears to thicken to the northwest. Significantly, this zone has a 0.3 mgal gravity response.

8. TOR PROPERTY GEOLOGY, GEOCHEMISTRY and GEOPHYSICS

GEOLOGY

The TOR property covers a poorly exposed hill 6 kms to the northwest of the north end of Fire Lake. The hill is underlain by the same dark grey to black, siliceous, fine ilmenite "speckled" phyllite and phyllitic

wacke found on the RIFE property. Minor light green, chlorite-calcite phyllitic schists were noted immediately north of the geophysical grid.

GEOCHEMISTRY

Soil sampling along the grid lines and a single rock sample returned no anomalies if interest.

GEOPHYSICS

Ground geophysical surveys indicate the presence of 2 broad zones containing several weak conductors, locally with a magnetic association. Due to the weak nature and of the EM features no gravity survey was conducted.

9. CONCLUSIONS and RECOMMENDATIONS

Both the RIFE and TOR properties are underlain by a late Devonian to mid-Mississippian sequence of mixed, *"middle unit"* carbonaceous phyllite and metasedimentary schist of the Yukon Tanana Terrane. The RIFE property exposes an interval of mixed felsic and mafic metavolcanics,gneissic schists and phyllite.

Samples from a contour soil line, in the area of the felsic metavolcanics(?) at the north end of the RIFE property, returned scattered elevated to anomalous Zn(451 ppm peak), Ag(1.9 ppm peak), Cd and Cu(134 ppm peak) values. Further along the line, downslope of the mafic metavolcanics(?)/siltstone-sandstone contact several scattered elevated to anomalous Zn(516 ppm peak), Ag(1.2 ppm peak), Cd and Cu(79 ppm peak) values. All these anomalies show an elevated Cr-V$\pm$Mo signature.

An AEM/Mag feature was identified in the northern part of the property. Given the presence of felsic and mafic volcanics and interesting soil geochemistry, this anomaly deserves a reappraisal.

Soil geochemistry sampling in the RIFE geophysical grid area was restricted to the grid lines. The soils returned several moderate to strong Cu (>65, up to 277 ppm) values with a coincident, moderate to strong Ni-Fe-Mo-Cr$\pm$Pb-Ag metal signature.

The 1994 ground geophysical survey identified the presence of a moderately conductive zone with an associated magnetic signature, which appears to thicken to the northwest. Significantly, this zone has a 0.3 mgal gravity response. However, the metal association of the soil anomalies suggests that any mineralization possibly associated with the EM/Mag/gravity feature maybe mafic intrusive related. Further ground geophysical surveys are warranted to determine the size and extent of the gravity feature identified in 1994.

On the TOR property, soil sampling along the grid lines and a single rock sample returned no anomalies if interest. Ground geophysical surveys indicated no anomalies of interest. No further work is recommended for this property.

Report by: _____
P.A. MacRobbie,
Geologist

Endorsed by: _____
D. Rhodes,
Senior Geologist

Approved for
Release by: _____
J.M. Hamilton
Manager, Exploration
Western Canada

DISTRIBUTION: W.D. Files/Mining Recorder

10. REFERENCES

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: April 10, 1995

P.A MacROBBIE, P.Geo
GEOLOGIST

APPENDIX 2

1994 GEOCHEMISTRY DATA

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(icp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Rife	S9416261	243614	1	1	2	**	YB	24	1	1	40	4	B2	**	34	13	126	0.5	7	443	1	15	46	3.06	1	88	2	5	104	4	1	28	5	9	403	2.02	0.17	3.08	0.25	0.03	0.38	5	10	2015
Rife	S9416262	243615	1	1	5	**	1B	24	1	1	25	4	B2	**	3	6	89	0.2	1	78	1	5	12	1.80	1	18	2	2	24	1	1	8	2	5	240	1.46	0.08	2.09	0.12	0.01	0.05	5	10	6034
Rife	S9416263	243616	1	1	2	**	2Y	24	2	1	25	4	B2	**	31	11	78	0.6	1	203	1	8	60	2.64	2	121	2	2	110	5	1	30	3	7	278	1.44	0.11	2.20	0.24	0.02	0.12	5	10	1656
Rife	S9416264	243617	1	1	2	**	1Y	24	1	1	30	3	B2	**	38	10	131	0.4	7	189	1	10	49	2.75	4	78	2	2	117	3	1	30	4	11	380	1.53	0.11	2.44	0.15	0.02	0.09	5	10	1836
Rife	S9416265	243618	1	1	2	**	1Y	24	1	1	25	3	B2	**	17	7	66	0.2	1	138	1	9	40	1.76	1	89	2	2	61	1	1	14	1	3	298	0.97	0.07	1.31	0.13	0.01	0.07	5	10	1542
Rife	S9416266	243619	1	1	2	**	2Y	24	1	1	30	3	B2	**	23	11	82	0.5	4	145	1	10	38	2.74	3	67	2	2	93	3	1	20	4	8	242	1.29	0.14	2.07	0.14	0.02	0.13	5	10	1512
Rife	S9416267	243620	1	1	2	**	2B	24	3	1	25	4	B2	**	5	13	81	0.6	3	307	1	6	7	2.73	1	61	2	2	101	4	1	29	2	3	278	1.59	0.30	2.07	0.18	0.02	0.28	5	10	1504
Rife	S9416268	243621	1	2	**	1	2B	23	2	3	5	3	1	**	134	13	167	0.2	1	243	2	14	94	2.00	7	97	2	2	59	3	1	41	140	56	426	1.17	0.06	1.99	0.90	0.02	0.15	5	10	1519
Rife	S9416269	243622	1	1	4	**	1Y	23	2	2	25	4	B2	**	3	8	33	0.2	1	61	1	1	2	0.55	1	6	2	2	11	1	1	6	4	5	75	0.30	0.02	0.58	0.04	0.01	0.05	5	10	4919
Rife	S9416270	243623	1	1	2	**	1Y	24	1	1	30	4	B2	**	26	13	160	0.7	9	230	1	10	36	2.96	4	74	2	2	136	4	1	31	5	10	411	1.43	0.15	2.51	0.21	0.02	0.10	5	10	2282
Rife	S9416271	243624	1	1	2	**	1Y	24	1	1	40	4	B2	**	27	11	96	0.7	8	179	1	10	41	2.52	5	81	2	2	92	4	1	28	4	9	298	1.29	0.11	2.14	0.22	0.02	0.13	5	10	1823
Rife	S9416272	243625	1	1	2	**	2B	24	2	1	35	4	B2	**	81	14	451	1.8	4	530	4	26	94	3.75	14	90	2	2	187	3	1	82	5	17	648	2.25	0.12	4.04	0.22	0.06	0.22	5	10	3383
Rife	S9416273	243626	1	1	2	**	1Y	24	1	2	45	3	B2	**	51	10	109	1.9	1	621	1	7	22	5.51	7	167	2	2	84	6	1	149	4	12	371	1.91	0.10	2.61	0.36	0.05	0.62	5	10	4159
Rife	S9416274	243627	1	1	2	**	2Y	24	1	2	50	4	B2	**	66	4	120	0.8	10	284	1	26	153	3.56	5	174	2	2	129	5	1	60	12	16	697	3.15	0.13	3.80	0.85	0.04	0.22	5	10	1933
Rife	S9416275	243628	1	1	2	**	2B	23	2	2	55	4	B2	**	29	12	157	0.4	5	184	1	16	44	2.76	5	82	2	5	104	2	1	32	6	10	538	1.39	0.12	2.35	0.26	0.02	0.12	5	10	1739
Rife	S9416276	243629	1	1	2	**	2B	23	2	2	50	4	B2	**	29	11	140	0.4	16	195	1	15	45	3.02	6	81	2	2	106	6	1	39	6	11	434	1.56	0.13	2.64	0.26	0.02	0.14	5	10	1755
Rife	S9416277	243630	1	1	2	**	3B	23	2	2	50	4	B2	**	42	7	116	0.2	1	219	4	17	56	2.50	5	84	2	2	105	4	1	47	12	11	666	1.45	0.10	2.64	0.36	0.03	0.08	5	10	1456
Rife	S9416278	243631	1	1	2	**	RB	23	1	1	40	4	B2	**	56	36	324	0.7	5	264	6	22	104	3.30	8	79	2	2	115	5	1	57	10	25	1120	2.03	0.11	2.97	0.65	0.02	0.19	5	10	3425
Rife	S9416279	243632	1	1	2	**	RB	24	2	2	40	4	B2	**	31	24	156	0.4	12	345	6	24	35	3.95	1	91	2	10	142	5	1	62	4	4	709	2.13	0.33	3.65	0.97	0.02	0.48	5	10	1256
Rife	S9416280	243633	1	1	2	**	2Y	23	2	2	30	4	B2	**	47	132	161	0.5	1	335	1	20	34	4.61	2	76	2	2	151	6	1	47	4	6	590	3.23	0.32	4.62	0.73	0.01	0.30	5	10	1902
Rife	S9416281	243634	1	1	2	**	1Y	24	1	1	35	4	B2	**	66	11	116	0.4	1	554	1	16	48	3.17	5	88	2	2	116	3	1	45	6	12	431	2.12	0.17	3.79	0.46	0.04	0.38	5	10	2085
Rife	S9416282	243635	1	1	2	**	2Y	24	1	1	35	4	B2	**	21	17	106	0.4	9	272	1	11	33	2.76	2	74	2	2	83	3	1	32	8	13	290	1.84	0.15	2.73	0.30	0.02	0.27	5	10	2614
Rife	S9416283	243636	1	1	2	**	2Y	24	2	2	40	4	B2	**	19	15	95	0.4	1	196	1	13	40	3.00	2	90	2	2	91	7	1	33	9	19	362	1.93	0.16	3.09	0.43	0.02	0.24	5	10	2611
Rife	S9416284	243637	1	1	2	**	1B	24	1	1	35	4	B2	**	15	10	85	0.2	4	185	1	10	36	3.03	1	94	2	2	110	4	1	25	3	6	276	1.82	0.20	2.47	0.21	0.02	0.22	5	10	2079
Rife	S9416285	243638	1	1	2	**	2B	22	2	1	35	4	B2	**	23	8	94	0.4	10	355	1	15	61	3.15	3	67	2	2	103	4	1	33	10	16	317	2.34	0.16	3.17	0.48	0.02	0.56	5	10	2566
Rife	S9416286	243639	1	1	2	**	2B	24	1	1	40	4	B2	**	15	13	85	0.4	1	215	1	12	37	3.06	2	78	2	2	83	2	1	30	6	10	282	1.87	0.16	2.76	0.32	0.02	0.39	5	10	2084
Rife	S9416287	243640	1	1	2	**	2Y	24	1	1	40	4	B2	**	56	6	92	0.9	1	421	1	21	63	4.67	2	170	2	2	118	4	1	106	4	12	226	2.10	0.15	3.27	0.45	0.04	0.80	5	10	2794
Rife	S9416288	243641	1	1	2	**	2B	24	2	2	35	4	B2	**	27	14	101	0.7	1	294	1	22	62	3.76	1	129	2	2	127	4	1	49	4	9	334	2.24	0.20	3.16	0.22	0.03	0.25	5	10	2410
Rife	S9416289	243642	1	1	2	**	2B	24	1	2	35	4	B2	**	33	9	166	0.8	1	372	1	25	87	4.37	2	247	2	2	189	8	1	44	5	7	550	2.45	0.27	3.96	0.50	0.04	0.23	5	10	1820
Rife	S9416290	243643	1	1	2	**	1B	24	2	1	35	4	B2	**	35	7	110	0.5	1	275	1	18	87	3.02	3	123	2	2	113	5	1	37	6	10	293	1.88	0.13	2.95	0.41	0.02	0.29	5	10	1607
Rife	S9416291	243644	1	1	2	**	YB	24	2	2	35	4	B2	**	60	12	133	0.4	2	404	1	25	95	3.70	4	144	2	2	152	4	1	44	16	14	428	2.56	0.19	4.18	0.40	0.03	0.32	5	10	1932
Rife	S9416292	243645	1	1	4	**	2B	14	2	1	20	4	C1	**	32	8	56	0.4	1	100	1	11	32	2.61	1	57	2	2	92	1	1	17	2	13	243	1.05	0.13	1.57	0.10	0.01	0.05	5	10	657
Rife	S9416293	243646	1	1	2	**	2B	23	2	2	40	4	B2	**	13	10	101	0.2	11	293	1	11	29	2.63	1	71	2	2	74	4	1	28	4	7	283	1.44	0.13	2.21	0.22	0.02	0.25	5	10	1845
Rife	S9416294	243647	1	1	2	**	2B	14	3	2	40	3	B2	**	18	11	87	0.4	3	266	1	14	28	2.59	1	64	2	2	69	3	1	23	6	11	449	1.48	0.13	2.12	0.24	0.02	0.29	5	10	1813
Rife	S9416295	243648	1	2	**	1	2B	12	2	3	10	5	2	**	56	11	184	0.4	7	356	1	15	58	2.82	5	77	2	2	102	4	1	54	26	31	570	1.62	0.11	2.62	0.95	0.05	0.35	5	3	1396
Rife	S9416296	243649	1	1	1	**	2B	23	2	2	30	2	B2	**	43	12	107	0.2	1	337	1	14	44	2.83	4	67	2	2	95	5	1	44	14	20	537	1.45	0.10	2.94	0.51	0.04	0.29	5	10	1826
Rife	S9416297	243650	1	1	2	**	2B	23	3	2	35	4	B2	**	44	16	305	1.0	4	250	6	13	49	4.35	12	132	2	2	250	5	1	76	6	17	567	2.44	0.20	4.34	0.48	0.02	0.29	5	10	2225
Rife	S9416298	243651	1	1	4	**	1Y	12	3	1	35	4	B2	**	79	19	516	0.9	1	260	6	23	144	4.94	18	105	2	2	194	5	1	110	10	38	570	1.92	0.12	4.74	0.37	0.07	0.39	5	10	1755
Rife	S9416299	243652	1	1	2	**	1B	24	2	1	35	4	B2	**	54	25	176	0.8	13	101	1	10	52	3.50	3	84	2	2	117	2	1	15	8	15	641	3.63	0.14	4.07	0.28	0.01	0.05	5	10	1312
Rife	S9416300	243653	1	1	2	**	2B	24	2	2	45	4	B2	**	51	11	182	0.9	7	112	1	10	72	2.99	5	115	2	2	166	4	1	102	7	13	523	3.62	0.19	4.53	0.37	0.01	0.09	5	10	1883
Rife	S9416301	243654	1	1	2	**	2B	24	2	2	40	4	B2	**	32	11	242	1.0	2	100	3	10	47	2.22	2	55	2	2	89	3	1	48	4	7	263	1.91	0.13	2.33	0.43	0.01	0.08	5	10	1377
Rife	S9416302	243655	1	1	2	**	1B	24	2	1	40	4	B2	**	48	13	170	1.2	9	144	1	15	53	3.64	4	55	2	2	65	5	1	37	7	23	217	1.59	0.10	2.60	0.16	0.02	0.13	5	10	1986
Rife	S9416303	243656	1	1	5	**	1G	1	3	1	25	4	A	**	13	13	54	0.5	1	41	1	6	25	1.73	3	25	2	2	37	2	1	49	5	17	114	0.54	0.02	1.34	0.10	0.01	0.04	5	10	1593
Rife	S9416304	243657	1	1	4	**	2B	14	3	1	25	4	C1	**	22	11	148	0.8	6	135	2	10	19	3.34	3	30	2	2	35	2	1	63	6	24	428	0.78	0.02	1.80	0.21	0.01	0.11	5	10	1749
Rife	S9416305	243658	1	1	3	**	3B	12	3	1	35	4	B1	**	24	26	187	0.5	1	176	3	17	39	2.78	3	53	2	8	110	3	1	52	3	8	361	0.91	0.11	1.99	0.37	0.02	0.13	5	10	1901
Rife	S9416306	243659	1	1	2	**	1Y	24	2	1	25	4	B2	**	42	6	118	0.7	1	187	1	20	91	2.93	2	153	2	2	108	1	1	39	7	9	443	1.95	0.15	3.12	0.55	0.03	0.10	5	10	1440
Rife	S9416307	243660	1	1	2	**	1Y	23	1	1	30	4	B2	**	22	10	95	0.5	4	114	1	12	47	2.66	2	91	2	2	97	4	1	20	4	8	275	1.32	0.12	2.03	0.15	0.01	0.08	5	10	1701
Rife	S9416308	243661	1	1	3	**	RB	2	3	1	25	4	B2	**	37	16	193	0.8	5	95	5	45	31	6.28	2	98	2	2	153	5	1	12	7	5	1889	1.45	0.07	2.46	0.12	0.01	0.03	5	10	1029
Rife	S9416309	243662	1	1	2	**	2Y	14	3	1	35	3	B2	**	24	8	191	0.9	2	536	1	11	38	5.08	7	167	2	2	201	5	1	97	8	10	527	3.32	0.29	5.25	0.49	0.03	0.14	5	10	2452
Rife	S9416310	243663	1	1	3	**	1B	24	2	1	20	4	B2	**	49	14	209	1.2	4	240	1	20	79	3.19	8	139	2	2	143	5	1	79	11	15	513	2.04	0.12	5.49	1.51	0.04	0.17	5	10	1795
Rife	S9416311	243664	1	1	2	**	1Y	24	2	1	30	4	B2	**	16	9	65	0.4	2	234	1	9	29	2.27	1	61	2	2	70	2	1	26	3	6	209	1.15	0.12	1.79	0.29	0.02	0.11	5	10	1727
Rife	S9416312	243665	1	1	2	**	1B	24	2	1	40	3	B2	**	14	9	67	0.2	1	186	1	7	36	1.79	1	56	2	2	61	1	1	13	2	5	252	0.89	0.08	1.19	0.11	0.01	0.14	5	10	2189
Rife	S9416313	243666	1	1	5	**	1B	23	1	1	35	3	B2	**	7	12	74	0.2	1	112	1	5	15	1.22	1	35	2	2	40	1	1	9	2	5	214	0.46	0.05	0.87	0.11	0.01	0.10	5	10	2384
Rife	S9416314	243667	1	1	2	**	1Y	24	1	1	35	3	B2	**	9	6	41	0.2	2	94	1	4	18	1.55	1	33	2	2	49	1	1	10	1	4	152	0.41	0.05	0.75	0.10	0.01	0.07	5	10	2390
Rife	S9416315	243668	1	1	2	**	1Y	24	1	1	35	3	B2	**	13	9	45	0.4	1	116	1	7	29	1.71	1	50	2	2	48	2	1	11	3	5	184	0.79	0.08	1.25	0.14	0.01	0.09	5	10	1908
Rife	S9416316	243669	1	1	2	**	1Y	24	2	1	35	3	B2	**	17	9	85	0.5	1	134	1	10	25	1.86	2	45	2	5	53	2	1	16	3	7	579	0.75	0.08	1.30	0.22	0.01	0.07	5	10	1657
Rife	S9416713	241823	5	1	5	2	3K	23	3	2	35	1	B1	0	16	2	13	0.2	2	262	1	1	5	0.28	1	2	2	2	2	1	2	37	7	6	44	0.05	0.01	0.38	0.82	0.04	0.03	5	10	1496
Rife	S9416714	241824	5	1	5	2	2B	23	1	1	35	1	B2	0	27	11	68	0.2	8	213	1	9	45	2.09	1	35	2	2	29	2	1	17	13	19	359	0.66	0.02	1.18	0.28	0.01	0.05	5	10	1816
Rife	S9416715	241825	5	1	5	2	2B	23	3	2	40	1	A2	0	3	2	8	0.2	2	31	1	1	1	0.12	1	2	2	2	1	2	1	9	1	1	25	0.01	0.01	0.26	0.07	0.03	0.02	5	10	1164
Rife	S9416716	241826	5	1	5	2	2B	23	2	2	35	1	B2	0	8	2	9	0.2	1	80	1	1	3	0.21	1	2	2	2	3	1	1	10	1	3	12	0.02	0.01	0.37	0.06	0.03	0.02	5	10	1232
Rife	S9416717	241827	5	1	5	2	2K	25	3	2	40	1	B1	0	22	2	15	0.2	5	443	1	2	10	0.75	1	2	2	2	5	2	1	117	3	3	8	0.07	0.01	0.47	2.42	0.02	0.01	5	10	982
Rife	S9416718	241828	5	1	5	2	3K	25	3	2	40	2	B1	0	10	2	24	0.2	1	224	1	1	6	0.16	1	2	2	2	2	1	1	53	1	2	895	0.06	0.01	0.30	1.02	0.05	0.02	5	10	1327
Rife	S9416723	241838	5	1	5	2	2B	23	1	1	35	2	B2	**	14	12	44	0.2	1	86	1	4	18	1.81	2	44	2	2	51	2	1	7	2	8	118	0.61	0.06	1.28	0.06	0.01	0.12	5	10	1402
Rife	S9416724	241839	5	1	5	2	2B	23	2	1	30	2	B1	**	3	5	20	0.2	1	48	1	2	6	0.84	1	16	2	2	23	1	1	5	1	4	55	0.25	0.03	0.63	0.04	0.01	0.06	5	10	1248

Rife	S9416725	241840	5	1	5	2	BR	23	1	1	30	2	B2	**	12	9	53	0.2	1	101	1	6	22	3.13	1	48	2	2	83	3	2	5	3	7	184	0.64	0.09	1.79	0.06	0.01	0.15	5	10	1322
Rife	S9416726	241850	5	1	5	2	BG	23	1	1	35	2	B2	**	9	8	26	0.2	1	61	1	5	17	2.14	1	35	2	2	40	4	1	3	4	7	131	0.56	0.04	1.49	0.04	0.01	0.10	5	10	1456
Rife	S9416727	241841	5	1	5	2	1B	23	3	1	15	2	B1	**	18	8	42	0.2	6	104	1	4	14	1.72	3	24	2	2	70	1	1	9	1	4	203	0.39	0.04	1.04	0.05	0.02	0.08	5	10	1219
Rife	S9416728	241842	5	1	5	2	2B	23	2	1	30	2	B2	**	25	12	77	0.4	5	118	1	13	33	1.64	4	20	2	2	28	1	1	8	7	11	1603	0.39	0.03	1.40	0.10	0.02	0.11	5	10	1211
Rife	S9416729	241843	5	1	5	2	1B	23	2	1	30	3	B1	**	22	11	91	0.2	3	209	1	19	36	3.80	1	50	2	2	91	5	1	15	4	8	493	1.06	0.13	2.66	0.14	0.02	0.28	5	10	1484
Rife	S9416730	241844	5	1	5	3	2B	23	2	1	30	2	B2	**	277	25	130	0.4	8	398	1	51	381	5.46	21	101	2	2	71	11	1	33	166	328	576	1.32	0.05	5.41	0.38	0.03	0.36	5	10	1489
Rife	S9416731	241845	5	1	5	2	2B	25	3	2	45	1	A2	**	31	9	33	0.2	3	150	1	4	31	0.72	7	39	2	2	30	1	1	27	86	123	48	0.27	0.01	1.05	0.45	0.02	0.03	5	10	977
Rife	S9416732	241846	5	1	1	2	BG	12	1	1	20	1	B1	**	24	8	70	0.4	5	144	1	13	44	2.59	1	40	2	2	51	5	1	17	12	13	346	1.07	0.08	1.77	0.39	0.03	0.26	5	6	1189
Rife	S9416733	241847	5	1	5	2	3G	35	3	2	40	1	B2	**	13	5	45	0.2	1	146	1	6	37	2.54	3	79	2	2	51	1	1	12	12	16	112	0.71	0.05	1.51	0.25	0.02	0.07	5	10	1301
Rife	S9416734	241848	5	1	5	2	2B	23	3	1	10	1	B1	**	6	5	25	0.2	2	49	1	2	9	0.63	1	15	2	2	15	1	4	8	1	3	123	0.14	0.01	0.40	0.09	0.02	0.04	5	10	1236
Rife	S9416735	241849	5	1	5	2	2G	35	3	2	35	1	B1	**	67	48	192	0.2	14	242	1	16	76	3.53	9	86	2	2	68	7	1	28	38	54	422	1.06	0.03	2.02	0.51	0.03	0.11	5	10	1227
Rife	S9416736	241851	5	1	5	2	BR	23	2	1	30	1	B2	**	10	10	29	0.2	10	50	1	3	13	2.42	1	29	2	2	58	5	1	4	3	6	135	0.42	0.06	1.64	0.04	0.01	0.08	5	10	1222
Rife	S9416737	241852	5	1	2	2	3B	23	1	1	30	1	B2	**	191	26	153	1.5	10	422	1	64	252	6.19	21	110	2	2	73	1	1	38	81	103	988	1.21	0.03	4.60	0.49	0.03	0.34	5	10	1597
Rife	S9416738	241853	5	1	2	2	BG	23	1	1	30	4	B2	**	10	16	44	0.2	1	126	1	11	14	1.72	1	26	2	2	38	1	1	12	2	6	358	0.50	0.04	1.24	0.10	0.02	0.11	5	10	1525
Rife	S9416739	241854	5	1	2	2	BR	23	2	1	30	3	B2	**	39	15	73	0.6	11	136	1	16	57	4.34	3	55	2	2	83	1	1	11	9	16	296	0.81	0.10	3.14	0.09	0.01	0.17	5	10	1119
Rife	S9416740	241855	5	1	2	2	1B	23	2	1	30	3	B2	**	27	11	65	0.2	5	173	1	17	58	2.65	2	52	2	2	68	1	1	14	6	12	396	0.78	0.07	1.70	0.13	0.02	0.13	5	10	1398
Rife	S9416741	241856	5	1	2	2	BR	23	1	1	30	2	B2	**	15	12	26	0.2	1	59	1	3	12	3.08	1	27	2	2	58	6	1	5	2	4	89	0.34	0.06	1.29	0.04	0.01	0.07	5	10	1249
Rife	S9416742	241857	5	1	2	2	BG	23	3	2	30	2	B1	**	12	5	22	0.2	1	56	1	1	9	1.06	2	10	2	2	29	1	1	13	7	11	43	0.11	0.03	0.68	0.15	0.02	0.04	5	10	1195
Rife	S9416743	241858	5	1	2	2	KB	25	1	1	30	2	B2	**	146	10	68	0.2	9	164	1	9	99	2.64	25	50	2	2	52	2	1	49	302	336	201	0.91	0.07	2.38	0.96	0.02	0.19	5	10	1189
Rife	S9416744	241859	5	1	2	2	3G	25	3	1	30	2	B2	**	81	19	69	0.2	15	118	1	5	39	2.34	13	46	2	2	71	1	1	27	100	164	214	0.71	0.08	2.03	0.43	0.01	0.07	5	10	1363
Rife	S9416745	241860	5	1	2	2	BR	23	2	1	20	3	B2	**	25	18	39	0.5	3	86	1	4	14	4.81	1	27	2	2	68	3	1	10	4	16	104	0.44	0.04	1.79	0.03	0.01	0.14	5	10	1952
Rife	S9416746	241861	5	1	2	2	BR	23	1	1	30	3	B2	**	15	14	59	0.4	12	130	1	6	12	4.43	1	24	2	2	74	4	1	7	2	6	212	0.51	0.07	1.83	0.04	0.01	0.08	5	10	1641
Rife	S9416747	241862	5	1	2	2	2G	23	1	1	30	3	B2	**	6	7	33	0.2	1	106	1	6	20	1.97	1	49	2	2	48	1	1	12	2	6	149	0.85	0.07	1.41	0.14	0.01	0.13	5	10	1595
Rife	S9416748	241863	5	1	2	2	BR	23	1	1	30	3	B2	**	9	12	77	0.2	3	81	1	6	19	2.18	1	33	2	2	65	3	1	11	1	4	133	0.53	0.08	1.02	0.08	0.02	0.10	5	10	1551
Rife	S9416749	241864	5	1	2	2	BR	23	2	2	30	2	B2	**	13	10	49	0.2	2	73	1	4	15	2.64	1	32	2	2	52	1	1	6	2	5	175	0.42	0.07	1.86	0.05	0.01	0.07	5	10	1181
Rife	S9416750	241865	5	1	2	2	1B	23	2	1	30	1	B1	**	33	18	67	0.2	3	73	1	1	8	0.52	1	5	2	2	10	1	1	11	1	4	109	0.03	0.01	0.40	0.07	0.02	0.04	5	10	1152
Rife	S9416751	241866	5	1	2	2	BR	23	1	1	30	1	B2	**	15	13	60	0.2	4	75	1	6	22	3.58	4	42	2	2	80	5	1	8	2	4	199	0.57	0.08	1.87	0.08	0.01	0.07	5	10	1150
Rife	S9416752	241867	5	1	5	2	2G	5	3	2	45	1	B1	**	20	7	78	0.2	7	177	1	7	40	1.37	2	70	2	2	35	1	1	14	13	15	143	0.77	0.04	1.13	0.28	0.02	0.06	5	10	1580
Rife	S9416753	241868	5	1	5	2	BR	23	1	1	30	1	B2	**	17	19	73	0.4	20	119	1	3	18	2.82	4	50	2	2	54	3	1	15	5	7	166	0.68	0.06	2.33	0.13	0.01	0.10	5	10	1389
Rife	S9416754	241869	5	1	2	2	3B	23	1	1	30	1	B2	**	15	5	26	0.2	1	74	1	3	22	0.90	1	38	2	2	20	2	1	14	10	15	52	0.28	0.02	1.08	0.15	0.02	0.02	5	10	958
Rife	S9416755	241870	5	1	2	2	2B	23	1	1	30	3	B2	**	14	10	52	0.4	3	78	1	9	29	2.53	1	37	2	2	43	2	1	8	3	7	183	0.67	0.04	1.82	0.07	0.01	0.15	5	10	1474
Rife	S9416756	241871	5	1	2	2	1B	23	2	1	30	2	B2	**	10	10	21	0.2	1	160	1	2	8	1.10	1	11	2	2	27	2	1	17	2	7	168	0.17	0.02	0.72	0.11	0.02	0.07	5	10	1838
Rife	S9416757	241872	5	1	2	2	BR	23	1	1	30	2	B2	**	20	18	82	0.2	3	112	1	11	49	2.75	1	55	2	2	54	4	1	6	7	9	293	1.11	0.06	1.85	0.17	0.02	0.19	5	10	1693
Rife	S9416758	241873	5	1	2	2	1B	23	1	1	30	2	B2	**	14	16	63	0.5	4	144	1	5	18	2.12	1	32	2	2	48	3	1	9	2	6	147	0.57	0.04	1.31	0.12	0.01	0.09	8	10	1643
Rife	S9416759	241874	5	1	2	2	3B	23	3	1	30	2	B2	**	80	15	162	0.2	15	348	1	26	154	3.88	10	89	2	2	61	3	1	29	47	69	778	1.18	0.04	3.27	0.37	0.02	0.24	5	10	1655
Rife	S9416760	241875	5	1	2	2	2B	23	1	1	30	3	B2	*	15	13	48	0.2	4	89	1	6	32	2.07	1	37	2	2	37	3	1	5	5	8	172	0.68	0.04	1.75	0.10	0.01	0.16	5	10	1389
Rife	S9416761	241876	5	1	2	2	BG	23	1	1	30	3	B2	**	5	11	39	0.2	1	69	1	7	15	1.82	1	50	2	2	47	1	1	6	2	5	207	0.59	0.04	1.18	0.06	0.01	0.11	5	10	1684
Rife	S9416762	241877	5	1	2	2	BG	23	1	1	30	3	B2	**	14	12	47	0.4	1	128	1	5	24	2.58	2	46	2	2	60	1	1	6	4	8	163	0.69	0.04	2.00	0.07	0.02	0.17	5	10	1563
Rife	S9416763	241878	5	1	2	2	2B	23	1	1	30	2	B2	**	11	8	28	0.2	9	83	1	4	17	1.31	1	28	2	2	33	2	1	7	5	9	144	0.58	0.04	1.12	0.14	0.02	0.07	5	10	1524
Rife	S9416764	241879	5	1	2	2	2B	23	1	1	30	3	B2	**	15	13	66	0.5	1	105	1	7	18	2.53	3	47	2	2	70	6	1	8	2	5	223	0.68	0.08	1.45	0.06	0.02	0.20	5	10	1608
Rife	S9416765	241880	5	1	2	2	2B	23	1	1	20	2	B2	**	6	16	43	0.2	8	71	1	7	9	1.80	1	27	2	2	55	1	1	5	1	4	242	0.42	0.06	0.97	0.04	0.02	0.14	5	10	1453
Rife	S9416766	241881	5	1	2	2	2B	23	1	1	20	2	B2	**	14	13	43	0.4	3	156	1	3	11	2.20	2	32	2	2	71	1	1	5	1	5	112	0.70	0.10	1.40	0.04	0.02	0.41	5	10	1452
Rife	S9416767	241882	5	1	2	2	2B	23	1	2	30	2	B2	**	13	9	28	0.2	1	58	1	4	24	1.50	1	41	2	2	29	1	1	6	4	6	94	0.52	0.03	1.12	0.11	0.01	0.04	5	10	1449
Rife	S9416768	241883	5	1	2	2	2B	23	1	1	30	2	B2	**	7	8	29	0.2	2	63	1	4	19	2.19	1	36	2	2	37	1	1	6	3	6	157	0.50	0.04	1.19	0.08	0.01	0.09	5	10	1462
Rife	S9421622	R94423		2											64	9	164	0.4	2	319	3	14	60	2.49	5	61	2	2	86	1	1	50	37	40	571	1.36	0.09	2.41	1.16	0.04	0.29	5	10	1557

Property	LabNo	FieldNo	S	M	O	S	Col	Sz	O	W	Dph	W/S	F/W	P	Cu	Pb	Zn	Ag	As	Ba(icp)	Cd	Co	Ni	Fe	Mo	Cr	Bi	Sb	V	Sn	W	Sr	Y	La	Mn	Mg	Ti	Al	Ca	Na	K	Au	Wt	Ba(xrf)
Tor	S9417143	244442	**	1	4	**	3G	23	1	1	40	2	B2	**	14	8	45	0.2	1	21	1	4	17	1.97	2	11	2	2	28	1	1	4	5	17	266	0.24	0.01	0.82	0.02	0.01	0.02	5	10	1346
Tor	S9417144	244443	**	1	4	**	2G	23	1	1	35	2	B2	**	17	5	54	0.2	6	38	1	8	32	2.15	3	51	2	2	43	3	1	9	5	7	187	1.09	0.04	1.70	0.21	0.01	0.02	5	10	1653
Tor	S9417145	244444	**	1	4	**	2G	23	1	2	35	2	B2	**	34	6	65	0.5	4	45	1	14	50	2.61	2	72	2	2	60	1	1	11	8	11	425	1.56	0.08	2.06	0.32	0.01	0.07	5	10	1665
Tor	S9417146	244445	**	1	4	**	2B	23	1	1	30	2	B2	**	17	8	49	0.4	1	31	1	8	30	2.45	2	40	2	2	44	1	1	7	3	6	303	0.85	0.05	1.46	0.11	0.01	0.04	5	10	1120
Tor	S9417147	244446	**	1	4	**	2G	23	1	1	30	2	B2	**	10	7	40	0.2	3	19	1	4	18	1.76	1	30	2	2	44	1	1	4	3	10	140	0.57	0.05	0.98	0.03	0.01	0.03	5	10	1754
Tor	S9417148	244447	**	1	4	**	3G	23	1	1	30	2	B2	**	19	9	50	0.6	1	25	1	5	22	2.13	1	21	2	2	31	2	1	4	5	12	175	0.40	0.01	0.99	0.02	0.01	0.02	5	10	1476
Tor	S9417149	244448	**	1	4	**	2G	23	1	1	35	2	B2	**	5	4	24	0.2	1	14	1	1	7	0.67	3	6	2	2	12	3	1	3	4	14	71	0.12	0.01	0.43	0.01	0.01	0.02	5	10	1506
Tor	S9417150	244449	**	1	4	**	2G	23	1	1	40	2	B2	**	18	11	66	0.2	9	67	1	6	28	2.38	3	35	2	2	34	1	1	7	6	12	253	0.70	0.02	1.46	0.08	0.01	0.03	5	10	1659
Tor	S9417151	244450	**	1	4	**	2G	23	1	1	40	1	B2	**	4	2	25	0.2	1	14	1	1	7	0.71	1	10	2	2	13	2	1	3	3	11	125	0.15	0.01	0.39	0.02	0.01	0.02	5	10	1463
Tor	S9417152	244451	**	1	4	**	3B	23	1	2	30	2	B2	**	16	5	45	0.2	1	30	1	4	25	1.68	1	31	2	2	27	1	1	6	4	8	133	0.62	0.02	1.16	0.10	0.01	0.02	5	10	1784
Tor	S9417153	244452	**	1	4	**	3G	25	1	2	30	2	B1	**	26	8	71	0.2	3	88	1	10	33	2.25	5	34	2	2	32	1	1	17	10	15	478	0.69	0.03	1.50	0.38	0.01	0.03	5	10	1333
Tor	S9417154	244453	**	1	4	**	2B	23	1	1	25	3	B2	**	51	2	68	0.2	1	108	1	17	71	3.02	2	99	2	2	78	4	1	15	8	12	462	1.96	0.12	2.34	0.49	0.01	0.24	5	10	1693
Tor	S9417155	244454	**	1	4	**	2B	23	1	1	30	3	B2	**	13	9	54	0.2	1	38	1	6	23	2.33	4	48	2	2	59	1	1	5	3	6	331	0.81	0.07	1.39	0.05	0.01	0.03	5	10	1483
Tor	S9417156	244455	**	1	4	**	2B	23	1	2	30	3	B2	**	11	8	38	0.2	1	40	1	4	16	1.93	3	38	2	2	49	4	1	7	1	7	135	0.63	0.04	1.30	0.05	0.01	0.02	5	10	2423
Tor	S9417157	244456	**	1	4	**	3B	23	1	1	35	3	B2	**	12	5	47	0.4	10	31	1	5	15	1.61	5	31	2	2	33	1	1	5	3	7	135	0.72	0.03	1.46	0.05	0.01	0.03	5	10	1823
Tor	S9417158	244457	**	1	4	**	2B	23	1	1	35	3	B2	**	8	7	28	1.7	1	20	1	2	10	1.78	2	10	5	2	23	1	1	3	3	13	110	0.12	0.01	0.53	0.02	0.01	0.02	5	10	1331
Tor	S9417159	244458	**	1	3	**	2B	23	1	1	35	3	B2	**	23	27	85	0.4	13	28	1	6	29	3.76	3	37	2	2	39	1	1	6	6	14	224	0.72	0.02	1.74	0.10	0.01	0.02	5	10	1731
Tor	S9417160	244459	**	1	4	**	2B	23	1	1	25	3	B2	**	23	19	57	0.4	1	32	1	13	30	3.18	3	27	2	2	30	3	1	5	6	11	1170	0.44	0.02	1.10	0.09	0.01	0.03	5	10	1353
Tor	S9417161	244460	**	1	4	**	2B	23	1	1	30	3	B2	**	15	2	33	0.2	1	14	1	3	17	1.99	2	8	2	2	31	1	1	2	4	17	193	0.12	0.01	0.56	0.01	0.01	0.01	5	10	1542
Tor	S9417162	244461	**	1	**	4	2B	23	1	1	40	2	B2	**	28	17	75	0.2	1	41	1	8	35	3.19	5	34	2	2	52	4	1	10	5	11	203	0.79	0.05	1.56	0.07	0.01	0.05	5	10	2027
Tor	S9417163	244462	**	1	**	4	2B	23	1	1	30	3	B2	**	10	10	64	0.2	1	24	1	2	12	1.43	2	10	2	2	18	1	1	8	3	10	161	0.28	0.01	0.66	0.08	0.01	0.02	5	10	1631
Tor	S9417164	244463	**	1	**	4	3B	34	1	1	40	3	B2	**	11	2	52	0.2	1	36	1	1	7	0.28	3	2	2	2	2	1	2	40	5	10	16	0.03	0.01	0.42	0.50	0.03	0.02	5	10	1142
Tor	S9417165	244464	**	1	**	4	2G	23	1	1	30	3	B2	**	20	8	53	0.2	5	45	1	6	17	1.41	6	13	2	2	19	1	1	11	14	29	402	0.29	0.01	0.80	0.13	0.01	0.02	5	10	1750
Tor	S9417166	244465	**	1	**	4	3B	24	2	1	35	3	B2	**	37	5	43	0.2	6	83	1	3	31	0.91	7	11	2	2	7	1	1	104	41	48	821	0.16	0.01	0.89	2.71	0.02	0.02	5	10	698
Tor	S9417167	244466	**	1	**	4	3B	35	1	2	40	3	B2	**	23	4	54	0.4	11	161	1	8	28	1.81	3	40	2	2	35	1	1	31	6	10	307	0.79	0.02	1.57	0.75	0.01	0.02	5	10	1838
Tor	S9417168	244467	**	1	**	4	2G	34	1	2	40	4	B1	**	12	7	93	0.4	1	24	1	1	4	0.36	1	6	2	2	6	2	1	6	1	3	22	0.08	0.01	0.38	0.04	0.02	0.02	5	10	1237
Tor	S9417169	244468	**	1	**	4	2G	34	1	2	30	3	B1	**	14	4	84	0.2	11	31	1	4	19	1.37	2	27	2	2	28	3	1	8	3	7	118	0.54	0.02	1.01	0.11	0.01	0.03	5	10	1508
Tor	S9417170	244469	**	1	**	4	2G	23	1	2	40	3	B1	**	28	14	210	0.2	14	73	1	8	30	2.08	4	33	2	2	34	1	1	21	8	12	269	0.72	0.02	1.35	0.45	0.01	0.03	5	10	1577
Tor	S9417171	244470	**	1	**	4	2B	23	1	1	30	3	B2	**	27	4	63	0.2	6	41	1	6	30	1.99	6	26	2	2	30	1	1	12	8	14	187	0.56	0.02	1.19	0.26	0.01	0.02	5	10	1667
Tor	S9417172	244471	**	1	**	4	2B	23	1	1	40	3	B1	**	13	4	43	0.2	1	26	1	4	20	1.48	2	24	2	2	29	1	1	6	3	8	112	0.47	0.02	1.00	0.06	0.01	0.03	5	10	1553
Tor	S9417173	244472	**	1	**	4	2G	34	1	1	25	3	B1	**	15	9	116	0.2	2	27	1	3	16	1.20	1	25	2	2	28	1	1	6	3	7	133	0.42	0.03	0.94	0.07	0.01	0.02	5	10	1486
Tor	S9417174	244473	**	1	**	4	2B	23	1	1	30	3	B2	**	18	10	121	0.2	3	21	1	4	17	1.59	1	22	2	2	29	1	1	6	3	7	137	0.41	0.03	0.92	0.07	0.01	0.02	5	10	1265
Tor	S9417175	244474	**	1	**	3	3B	23	1	1	20	3	B1	**	13	10	97	0.2	4	27	1	3	14	1.54	2	19	2	2	28	3	1	6	2	5	160	0.27	0.03	0.75	0.05	0.01	0.03	5	10	1319
Tor	S9417176	244475	**	1	**	3	2B	23	1	1	20	3	B2	**	21	11	123	0.2	1	32	1	2	13	1.74	3	15	2	2	23	1	1	5	5	10	99	0.23	0.01	1.14	0.03	0.01	0.01	5	10	1490
Tor	S9417177	244476	**	1	**	3	2G	23	1	1	25	3	B1	**	46	6	77	0.2	8	61	1	15	47	2.71	5	25	2	2	25	4	1	11	28	42	503	0.74	0.02	1.72	0.23	0.01	0.03	5	10	1670
Tor	S9417178	244477	**	1	**	3	2B	23	1	1	30	3	B2	**	24	8	54	0.2	2	24	1	5	24	2.87	2	21	2	2	28	1	1	6	7	12	163	0.43	0.01	1.34	0.05	0.01	0.01	5	10	1388
Tor	S9417179	244478	**	1	**	3	3B	23	1	1	20	3	B1	**	9	4	19	0.2	1	24	1	1	6	0.78	1	7	2	2	9	1	1	8	5	8	33	0.08	0.01	0.68	0.03	0.02	0.01	5	10	1204
Tor	S9417232	243037	**	1	**	**	-1	-1	**	**	-1	-1	-1	**	53	10	96	0.2	1	23	1	13	48	2.52	6	19	2	2	14	3	1	15	34	48	520	0.69	0.01	1.24	0.34	0.01	0.02	5	10	1371

APPENDIX 3

STATEMENTS OF EXPENDITURES

TOR PROPERTY

STAFF COSTS	1,035
DOMICILE	327
LINECUTTING	5,500
HELICOPTER	4,464
GEOPHYSICS	1,952
HELICOPTER	936
GEOCHEMISTRY	650
HELICOPTER	1,728
COMMUNICATIONS	27
TRUCK RENTAL	56
FREIGHT	174
EXPEDITING	35
DRAFTING/REPRODUCTIONS	168
TOTAL	**17,052**

RIFE PROPERTY

STAFF COSTS	1,892
DOMICILE	545
LINECUTTING	3,000
HELICOPTER	2,592
GEOPHYSICS	5,247
HELICOPTER	2,520
GEOCHEMISTRY	1,326
HELICOPTER	1,800
COMMUNICATIONS	53
TRUCK RENTAL	112
FREIGHT	347
EXPEDITING	70
DRAFTING/REPRODUCTIONS	336
TOTAL	**19,840**

SYMBOLS
FROM REGIONAL MAPPING
conformable (?) contact
intrusive contact
fault
FROM DETAILED MAPPING
conformable (?) contact
intrusive contact
fault
outcrop
small outcrop
talus / subcrop
float
listwanite altered zone / gossan
S0 dip
S1 foliation
S2 foliation
lineation with plunge
joint surface
Cominco rock sample
Cominco stream silt sample
Cominco soil sample
Cominco lithogeochem. sample
Cominco heavy mineral sample
R.G.S. stream silt sample
Minfile showing
trench
D.D.H. collar
Cominco 1994 geophysical grid
GEOLOGY
FINLAYSON LAKE FAULT ZONE
2a Cretaceous and / or Tertiary volcanics
2b Early Mesozoic sediments
2c Massive carbonate
2d Undifferentiated metamorphic rocks
2e Sheared mafic to ultramafic plutonic rocks
2f Sheared greenstones and chert
2g Two-mica quartz monzonite
YUKON - TANANA TERRANE
3a Cretaceous and / or Tertiary volcanics
3b Early Mesozoic sediments
3c Sheared mafic to ultramafic rocks
3d Sheared greenstone
3e Massive carbonate
3f Mainly mafic metavolcanics and associated sediments
3g Felsic metavolcanics
3h Foliated K-feldspar porphyry
3i Lower unit micaceous quartzite and marble
3j Two-mica quartz monzonite
3k Mafic stocks
3l Augen orthogneiss
3m Monzonitic orthogneiss
3n Simpson Range Plutonic Suite
(after Mortensen, 1983)
RIFE CLAIMS 1-52
GEOPHYSICAL GRID
NORTH RIVER
FIRE
no outcrop
outcrop noted from air
dark grey to black siliceous phyllites (wackes), with ilmenite porphyroblasts
light to dark grey phyllitic wackes, siltstones (Si, Sk)
laminated to thin banded quartz-feldspar-biotite±sericite schist/gneiss (Ft?)
quartz-biotite±chlorite schists
feldspar-quartz-sericite ±chlorite schist
thin banded strongly crenulated quartz-biotite-feldspar schist (Ft?)
dark grey phyllite; minor feldspar biotite schists (Sa, Sk)
medium green chlorite-actinolite phyllitic schist (Mt?); minor biotite-chlorite-quartz phyllite
locally rusty weathering
rusty weathering sericite-quartz±biotite, phyllitic schist locally carbonaceous, strongly lineated
rusty weathering biotite-quartz schist (Si)
rusty weathering biotite-quartz schist; minor sericite-biotite-quartz schist (silty Sa)
all outcrops are biotite-quartz-staurolite-sericite schists (Si)
3i
3c
3j
3f
102
68
L 00
L 200 E
L 600 E
B.L.
400 N
400 S
800 m
1087

1994 PELLY MTN. RECCE

N.T.S. 105 G/2,7

Drawn by: P.A.M.

Rife & Tor Properties
GEOLOGY & GEOCHEMISTRY

WATSON LAKE M.D., YUKON

Scale: 1:10,000 — Date: SEPTEMBER 1994 — FIG. 3

093325 DWG①


RIFE CLAIMS
1 - 52
NORTH
RIVER
FIRE
1087±
1681
1184
1538
1500
1200
6795000m.N
417000m.E.
6787000m.N
417000m.E.

Form 210 - 0680

DWG ②

COMINCO LTD.

EXPLORATION

WESTERN DISTRICT

NTS 105 G/2, 7

1994 ASSESSMENT REPORT

RIFE and TOR PROPERTIES

LINECUTTING, GROUND GEOPHYSICS (HLEM/MAG AND GRAVITY), SOIL GEOCHEMISTRY AND GEOLOGICAL MAPPING

WATSON LAKE M.D., YUKON

FIRE LAKE AREA, PELLY MOUNTAINS

RIFE - LAT: 61°15'
TOR - LAT: 61°16'

RIFE - LONG: 130°36'
TOR - LONG: 130°43'

WORK PERIOD

JULY 5-13, 27 AND AUGUST 5-7, 11, 1994

APRIL, 1995

PAUL A. MacROBBIE

STATEMENT OF QUALIFICATIONS

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

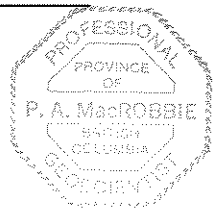
1. Graduated from Carleton University, Ottawa, Ontario with a B.Sc. in Geology in May, 1986 and a M.Sc. in Geology in June, 1988.

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



PELLY MTN - GEOPHYSICAL TARGET EVALUATION

TARGET NAME: N1 NTS: 105G/7SE

CLAIMS: TOR

093325

GEOLOGY:

The TOR property covers a poorly exposed hill 6 kms northwest of Fire Lake. The hill is underlain by dark gray to black siliceous fine ilmenite "speckled" phyllite and phyllitic wacke. Minor light green chlorite-calcite phyllitic schists were noted immediately north of the ground geophysics grid. Soil sampling within the grid area returned no values of interest.

GEOPHYSICS:

SURVEY	KMS	DATES
HLEM	6.3	Aug. 7
MAGNETICS	6.3	Aug. 7
GRAVITY	0.0	

Only minor conductivity outlined in the grid area, along two trends which extend sporadically across the grid. Conductances are generally in the 1-2.5 S range and depths are less than 10 m. The magnetics are quite variable, with peaks ranging from 100 to 1000 nT, and generally there is some magnetic signature associated with the weak conductivity features, whether the magnetics are directly related or flanking. Due to the weak conductors, no gravity surveys were carried out on this target.

CONCLUSIONS:

The weak conductors outlined within this grid area, despite having some magnetic association, do not represent any significant sulphide sources.

RECOMMENDATIONS:

No further work is recommended on this target.

EQUIPMENT AND PROCEDURES

a) MAGNETICS

The magnetics survey was carried out with the EDA OMNI PLUS system. Total field measurements were recorded, utilizing the same grid lines as the UTEM survey, though a denser station spacing of 12.5 m was used. Data is recorded and stored within the magnetometer's internal memory, and dumped to a computer in the evenings. A base station magnetometer was set up in camp and set to record at 15 second intervals throughout the day.

The base station and field units were linked and dumped to the computer simultaneously at the end of the day. Computer processing of the data allows diurnal magnetic variations to be removed from the field data. Reading accuracies of ±5 nT were attained for the magnetics survey.

b) HORIZONTAL LOOP EM

The HLEM portion of the survey utilized the MaxMin I system with the MMC data logger, produced by Apex Parametrics Ltd. Grid lines were routinely surveyed with a 100 m coil spacing, though 50 m and 25 m coil spacings were also utilized on selected lines over the ABM Zone. Readings for three frequencies (440 Hz, 1760 Hz, and 3520 Hz) were taken at 25 m intervals (12.5 m for 50 m c.s., 6.25 m for 25 m c.s.). A reading accuracy of ±0.5% was attained for both the in-phase and quadrature components of the secondary electromagnetic field. The data recorded by the MMC was transferred to a portable computer at the end of each survey day, from which it was processed and plotted.

c) GRAVITY

A Lacoste & Romberg Model 'G' gravity meter was utilized in the survey, and the gravity readings are corrected for latitude and elevation (including both free-air and Bouguer corrections). The gravity data is processed for a Bouguer density of 2.67 g/cc. A Base Station was established on each grid, and by utilizing the base station readings (at least 2 per day) all gravity readings were corrected for diurnal drift and levelled to this common base.

A Nikon D-50 Total Station survey instrument was used to provide

the elevation data for the gravity corrections. A base station was established, typically near the middle of the gravity line, and the gravity stations were surveyed at 25m intervals, tying into several stations on the return trip plus the initial base station. Any minor errors were distributed throughout the stations of that loop, resulting in individual station accuracies in the order of 0.05 metres.

With reading variations due to gravity meter reading accuracy and drift, and elevation errors , the overall accuracy of the corrected gravity values is probably in the order of 0.05-0.10 mgals.

The results of the gravity survey are presented at a scale of 1:5,000 as profiles of the Bouguer gravity data, along with the topographic profiles, for a Bouguer density of 2.67 gm/cc. The Bouguer gravity data is plotted at a vertical scale of 1 cm = 0.25 mgals and the topography at an exaggerated vertical scale of 1 cm = 5 m.

DATA PRESENTATION

MAGNETICS

The total field magnetic data are presented in both profile and contour formats, on 1:2,500 plan maps. The total field profiles are plotted at a vertical scale of 1 cm = 250 nT for each grid area. The magnetics contour map of the ABM Zone is plotted with a contour interval of 50 nT.

HORIZONTAL LOOP EM

The HLEM data are presented on 1:2,500 in profile plots, one for each of the three frequencies recorded (440, 1760, and 3520 Hz). A vertical scale of 1 cm = 20% was used for the HLEM profiles.

GRAVITY

The gravity data are also plotted in profile form, along with the topographic profile, at a horizontal scale of 1:2500. The gravity reductions are calculated for a Bouguer density of 2.67 gm/cc, and profiles are presented at a vertical scale of 1 cm = 0.25 milligals, and topography at a scale of 1 cm = 20 m (5X vertical exaggeration).

PELLY MTN - GEOPHYSICAL TARGET EVALUATION

TARGET NAME: N6 **NTS:** 105G/2NE

CLAIMS: RIFE

093325

GEOLOGY:

Located to the north of the property were 2 small fault-related calc-silicate zones with fine disseminated scheelite and minor chalcopyrite in a muscovite schist near the margin of an intrusive stock. To the east of the claims an impressive showing has been found and appears to be a Besshi-style VHMS deposit (1.4 Mt of 1%Cu, 1% Zn, 5.1 g/t Ag and 0.7 g/t Au) near the top of a complex assemblage of Yukon-Tanana Terrane mafic(?) metavolcanics and overlying metasedimentary rocks.

GEOPHYSICS:

SURVEY	KMS	DATES
HLEM	2.7	Aug. 5
MAGNETICS	2.9	Aug. 5
GRAVITY	2.2	Aug. 6,11

A strong conductor was outlined across the grid, showing a response of a single narrow conductor in the east, i.e., L-600E and L-400E, but widening to the west, and appearing on L-00 as two conductors 100 m apart, or a 100 m wide conductor. The conductor has moderate conductances of 5-10 S, and is generally less than 5 m in depth to top. The conductor has coincident magnetic responses of 150-400 nT, and the magnetics show 2 peaks on the western lines, suggesting that the target probably consists of two subparallel horizons on L-00 and L-200E. Two lines of gravity were carried out on the N6 target, one on L-400E, and a second along L-00. The gravity response on L-400E shows no obvious associated density increase over the conductor, though the line could not be extended sufficiently far to the southeast due to the lake to provide background responses in that direction. L-00, which skims by the northern edge of Fire Lake, was longer and provided a better test of the conductor, and suggests that there may be a gravity signature of 0.3 mgals associated with the conductor, though regional background is a bit difficult to determine.

CONCLUSIONS:

This target has potential to be due to sulphide mineralization, as indicated by the positive gravity response over a conductive and magnetic source, in an area of no outcrop.

RECOMMENDATIONS:

Additional HLEM/magnetic/gravity lines are warranted to the northwest.

EQUIPMENT AND PROCEDURES

a) MAGNETICS

The magnetics survey was carried out with the EDA OMNI PLUS system. Total field measurements were recorded, utilizing the same grid lines as the UTEM survey, though a denser station spacing of 12.5 m was used. Data is recorded and stored within the magnetometer's internal memory, and dumped to a computer in the evenings. A base station magnetometer was set up in camp and set to record at 15 second intervals throughout the day.

The base station and field units were linked and dumped to the computer simultaneously at the end of the day. Computer processing of the data allows diurnal magnetic variations to be removed from the field data. Reading accuracies of ±5 nT were attained for the magnetics survey.

b) HORIZONTAL LOOP EM

The HLEM portion of the survey utilized the MaxMin I system with the MMC data logger, produced by Apex Parametrics Ltd. Grid lines were routinely surveyed with a 100 m coil spacing, though 50 m and 25 m coil spacings were also utilized on selected lines over the ABM Zone. Readings for three frequencies (440 Hz, 1760 Hz, and 3520 Hz) were taken at 25 m intervals (12.5 m for 50 m c.s., 6.25 m for 25 m c.s.). A reading accuracy of ±0.5% was attained for both the in-phase and quadrature components of the secondary electromagnetic field. The data recorded by the MMC was transferred to a portable computer at the end of each survey day, from which it was processed and plotted.

c) GRAVITY

A Lacoste & Romberg Model 'G' gravity meter was utilized in the survey, and the gravity readings are corrected for latitude and elevation (including both free-air and Bouguer corrections). The gravity data is processed for a Bouguer density of 2.67 g/cc. A Base Station was established on each grid, and by utilizing the base station readings (at least 2 per day) all gravity readings were corrected for diurnal drift and levelled to this common base.

A Nikon D-50 Total Station survey instrument was used to provide

the elevation data for the gravity corrections. A base station was established, typically near the middle of the gravity line, and the gravity stations were surveyed at 25m intervals, tying into several stations on the return trip plus the initial base station. Any minor errors were distributed throughout the stations of that loop, resulting in individual station accuracies in the order of 0.05 metres.

With reading variations due to gravity meter reading accuracy and drift, and elevation errors , the overall accuracy of the corrected gravity values is probably in the order of 0.05-0.10 mgals.

The results of the gravity survey are presented at a scale of 1:5,000 as profiles of the Bouguer gravity data, along with the topographic profiles, for a Bouguer density of 2.67 gm/cc. The Bouguer gravity data is plotted at a vertical scale of 1 cm = 0.25 mgals and the topography at an exaggerated vertical scale of 1 cm = 5 m.

DATA PRESENTATION

MAGNETICS

The total field magnetic data are presented in both profile and contour formats, on 1:2,500 plan maps. The total field profiles are plotted at a vertical scale of 1 cm = 250 nT for each grid area. The magnetics contour map of the ABM Zone is plotted with a contour interval of 50 nT.

HORIZONTAL LOOP EM

The HLEM data are presented on 1:2,500 in profile plots, one for each of the three frequencies recorded (440, 1760, and 3520 Hz). A vertical scale of 1 cm = 20% was used for the HLEM profiles.

GRAVITY

The gravity data are also plotted in profile form, along with the topographic profile, at a horizontal scale of 1:2500. The gravity reductions are calculated for a Bouguer density of 2.67 gm/cc, and profiles are presented at a vertical scale of 1 cm = 0.25 milligals, and topography at a scale of 1 cm = 20 m (5X vertical exaggeration).

MAP NO:105G-2,7

ASSESSMENT REPORT: X

PROSPECTUS:

CONFIDENTIAL: X

OPEN FILE:

DOCUMENT NO: 093325

MINING DISTRICT: Watson Lake

TYPE OF WORK:Linecut, geophysics, geochem, mapping

REPORT FILED UNDER: Cominco Ltd.

DATE PERFORMED:July 5-13,27,Aug 5-7,11, 1994

DATE FILED:June 23, 1995

LATITUDE:61 15

AREA:Fire Lake

LONGITUDE:130 36

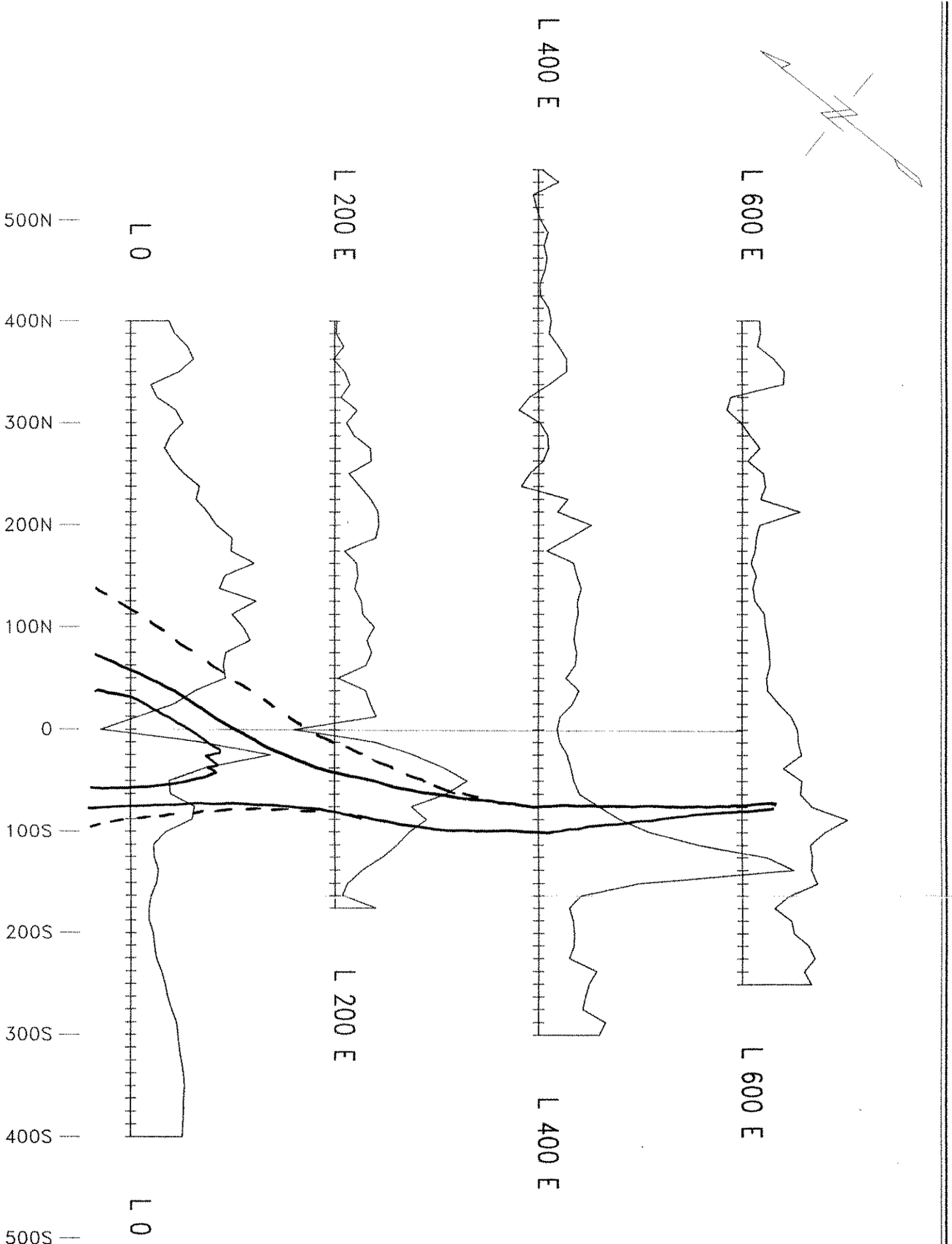
VALUE:$27,400

CLAIM NAME AND #:Rife 1-52, Tor 1-57

WORK DONE BY:Paul MacRobbie

WORK DONE FOR:Cominco Ltd.

DATE TO GOOD STANDING		REMARKS:Tor(Minfile 33), Rife (minfile 68). The Rife property exposes an interval of mised felsic and mafic metavolcanics, gneissic schists and phyllite. Contour soil sampling in the area of the felsic metavolcanics returned scattered anomalies up to 451 ppm Zn, 1.9 ppm Ag, 134 ppm Cd and Cu. Peak values. An AEM/Mag feature was also identified in the north end of the property, this zone also has a 0.3 mgal gravity response. The Tor property returned no anomalies of interest.



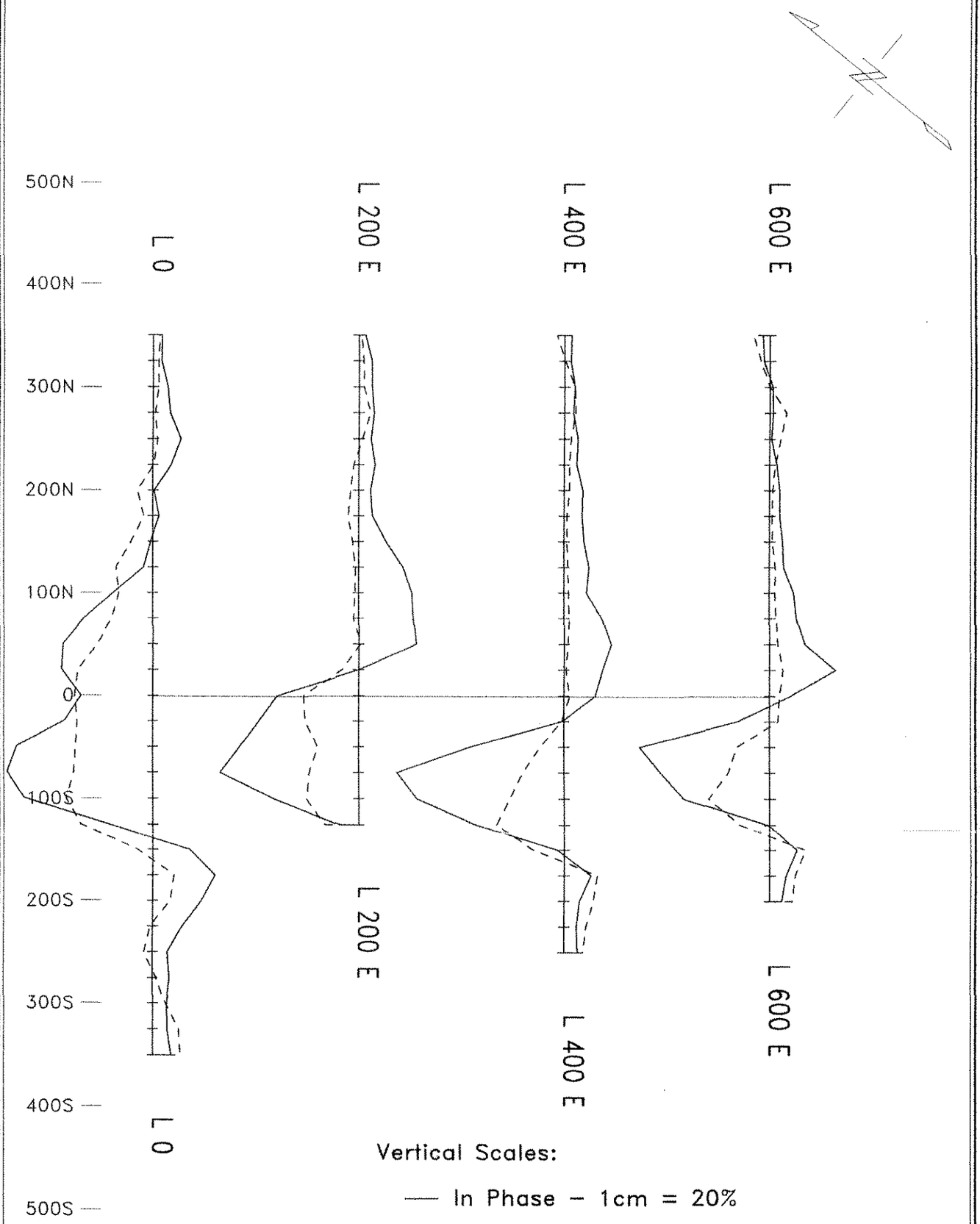
Vertical Scale: 1cm = 100 nT

Scale 1:5000

50 0 50 100

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY N6 GRID TOTAL FIELD MAGNETICS
COMINCO GEOPHYSICS



Vertical Scales:

— In Phase – 1cm = 20%

– – Quadrature – 1cm = 20%

Scale 1:5000

50 0 50 100

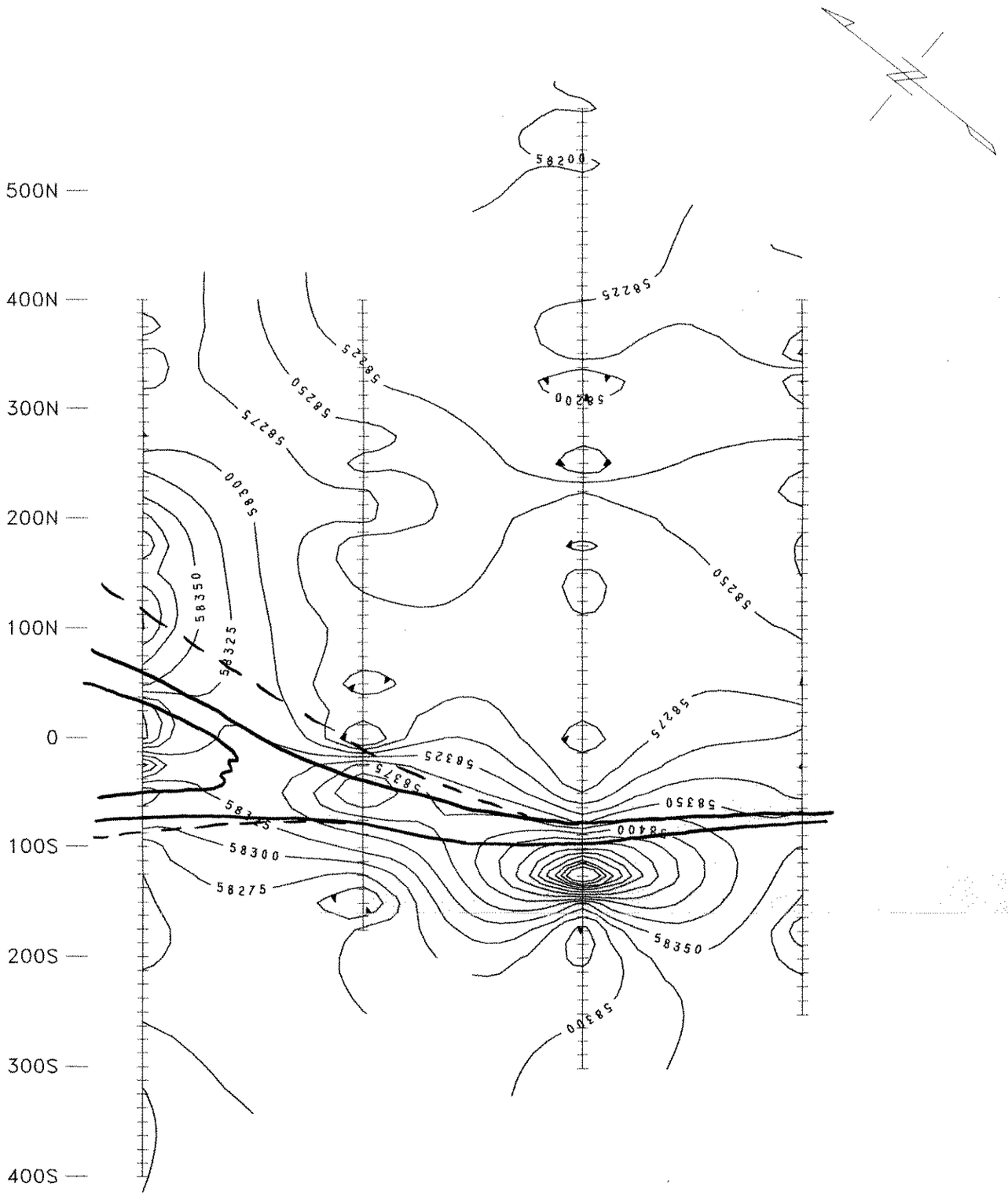
(meters)

COMINCO EXPLORATION

PELLY MTN PROPERTY
N6 GRID
HORIZONTAL LOOP EM

3520 Hz
100m cs

COMINCO GEOPHYSICS



Contour Interval: 25 nT

Scale 1:5000

50 0 50 100

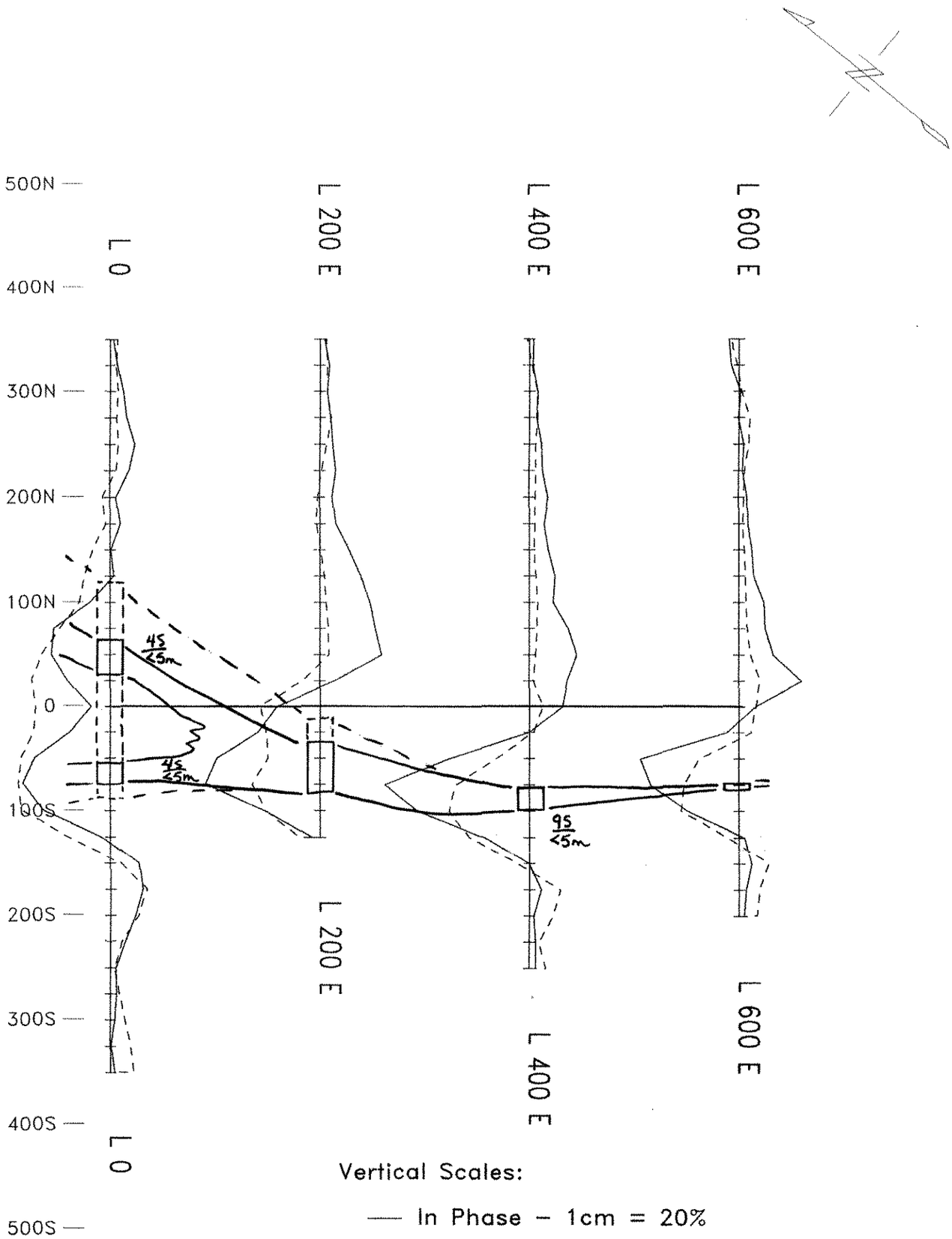
(meters)

COMINCO EXPLORATION

PELLY MTN PROPERTY
N6 GRID
TOTAL FIELD MAGNETICS

COMINCO GEOPHYSICS

093325



Vertical Scales:

—— In Phase – 1cm = 20%

– – Quadrature – 1cm = 20%

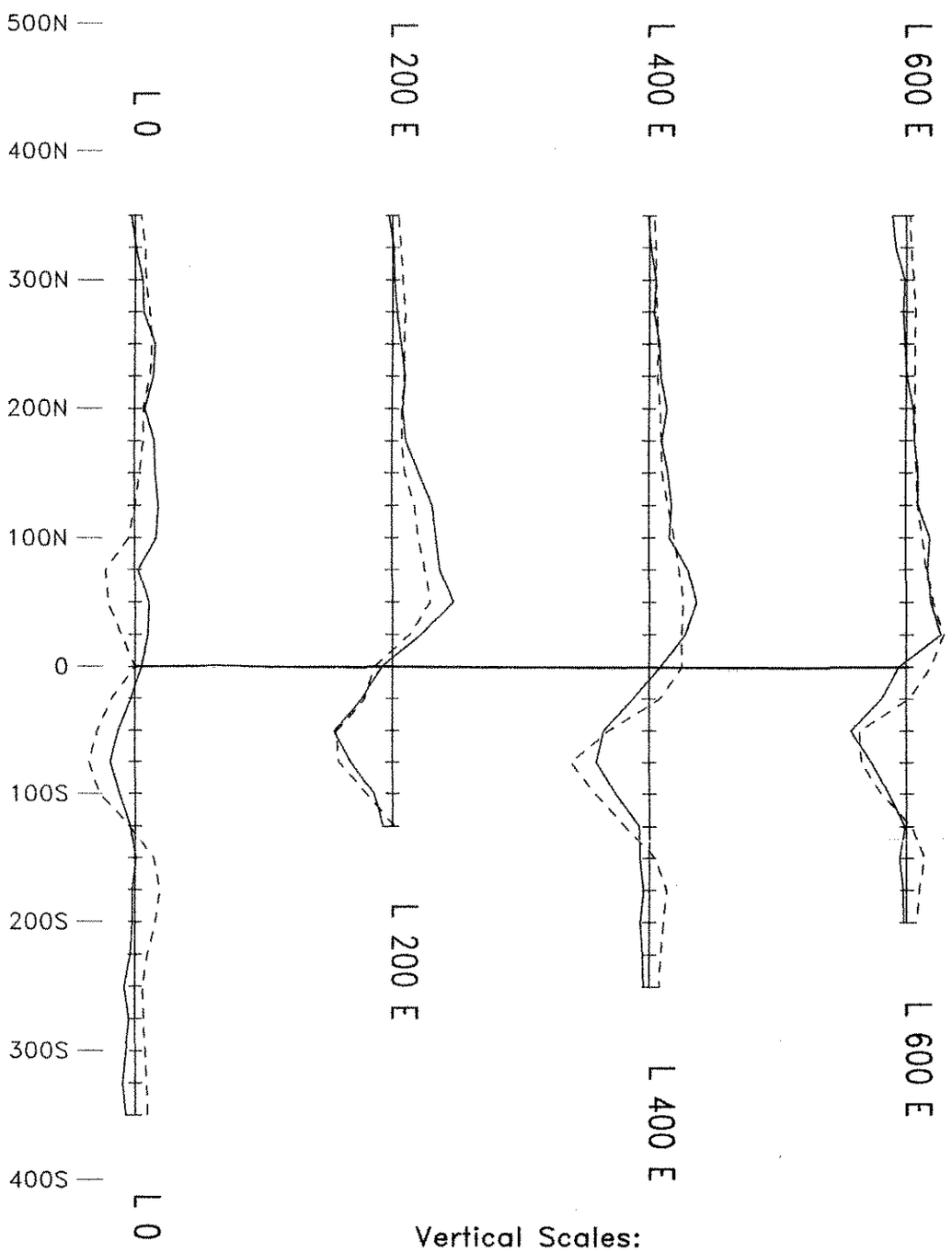
Scale 1:5000

50 0 50 100

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY N6 GRID HORIZONTAL LOOP EM
1760 Hz 100m cs
COMINCO GEOPHYSICS

093325



Vertical Scales:

— In Phase – 1cm = 20%

-- Quadrature – 1cm = 20%

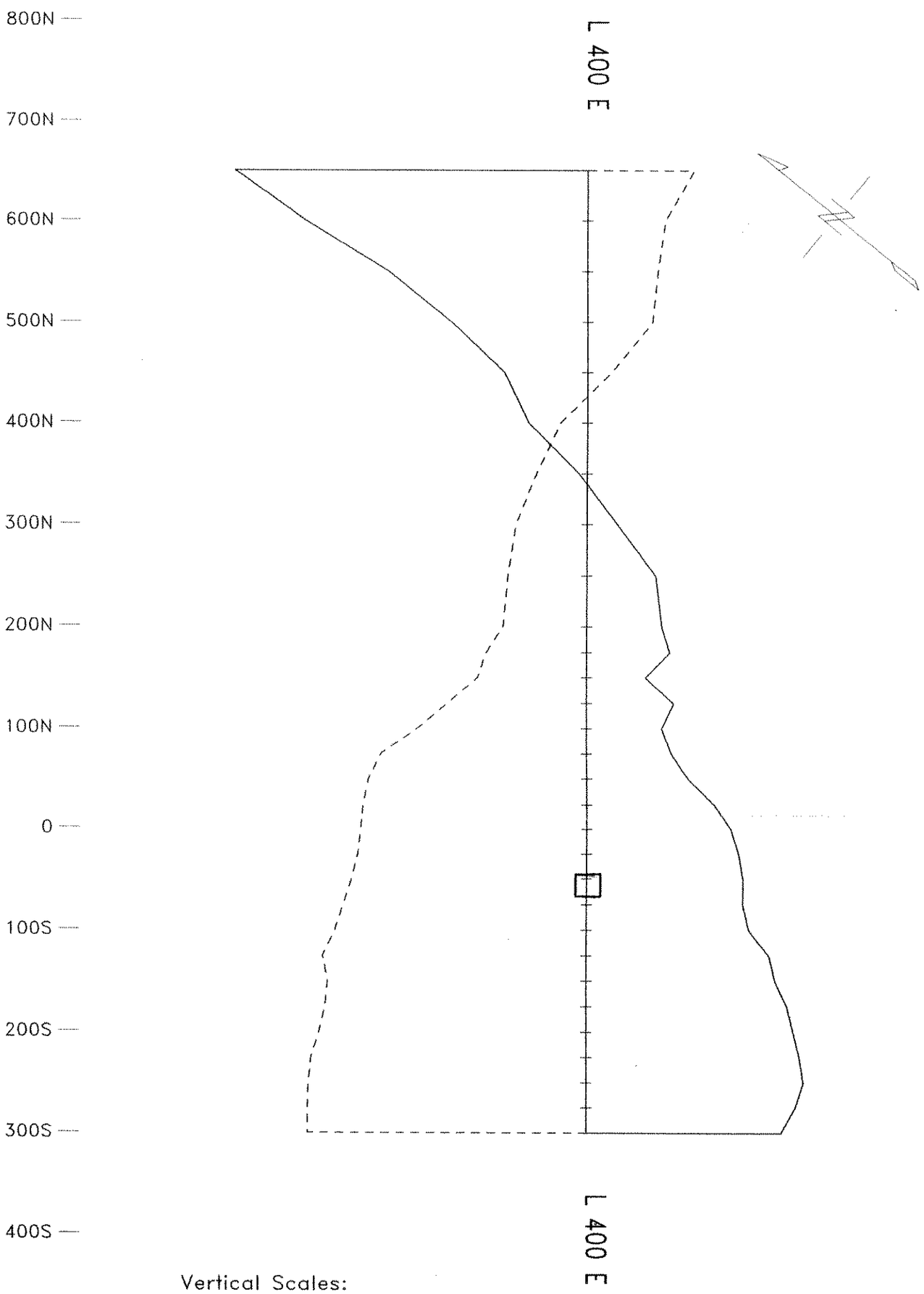
Scale 1:5000

50 0 50 100

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY **N6 GRID** **HORIZONTAL LOOP EM**
440 Hz 100m cs
COMINCO GEOPHYSICS

093325



Vertical Scales:

—— Gravity – 1cm = 0.25 mgals

– – Topography – 1cm = 10m

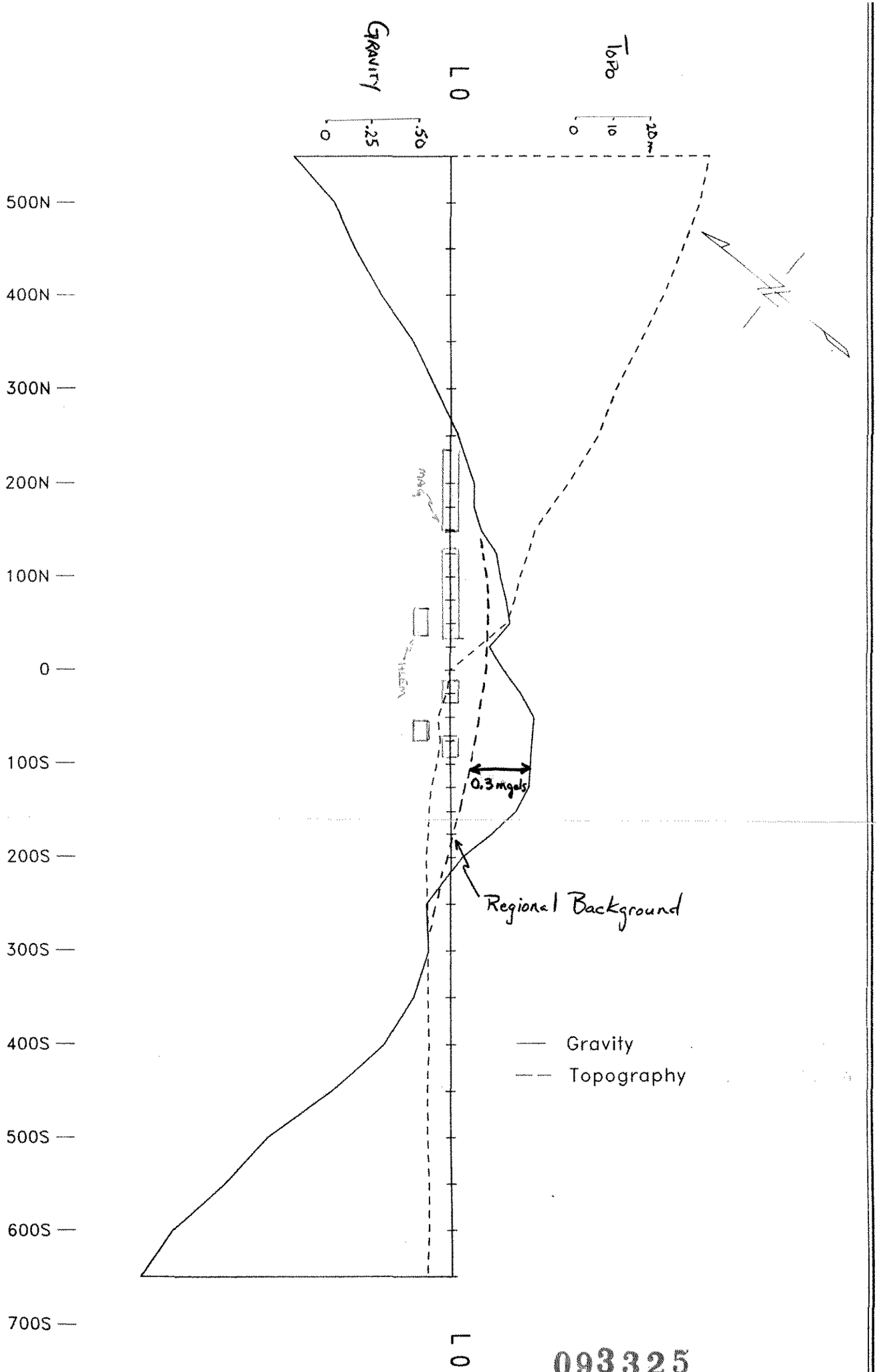
09332

Scale 1:5000

50 0 50 100

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY **N6 GRID** **BOUGUER GRAVITY**
DENSITY = 2.67 L-400E
COMINCO GEOPHYSICS



093325

Scale 1:5000

50 0 50 100

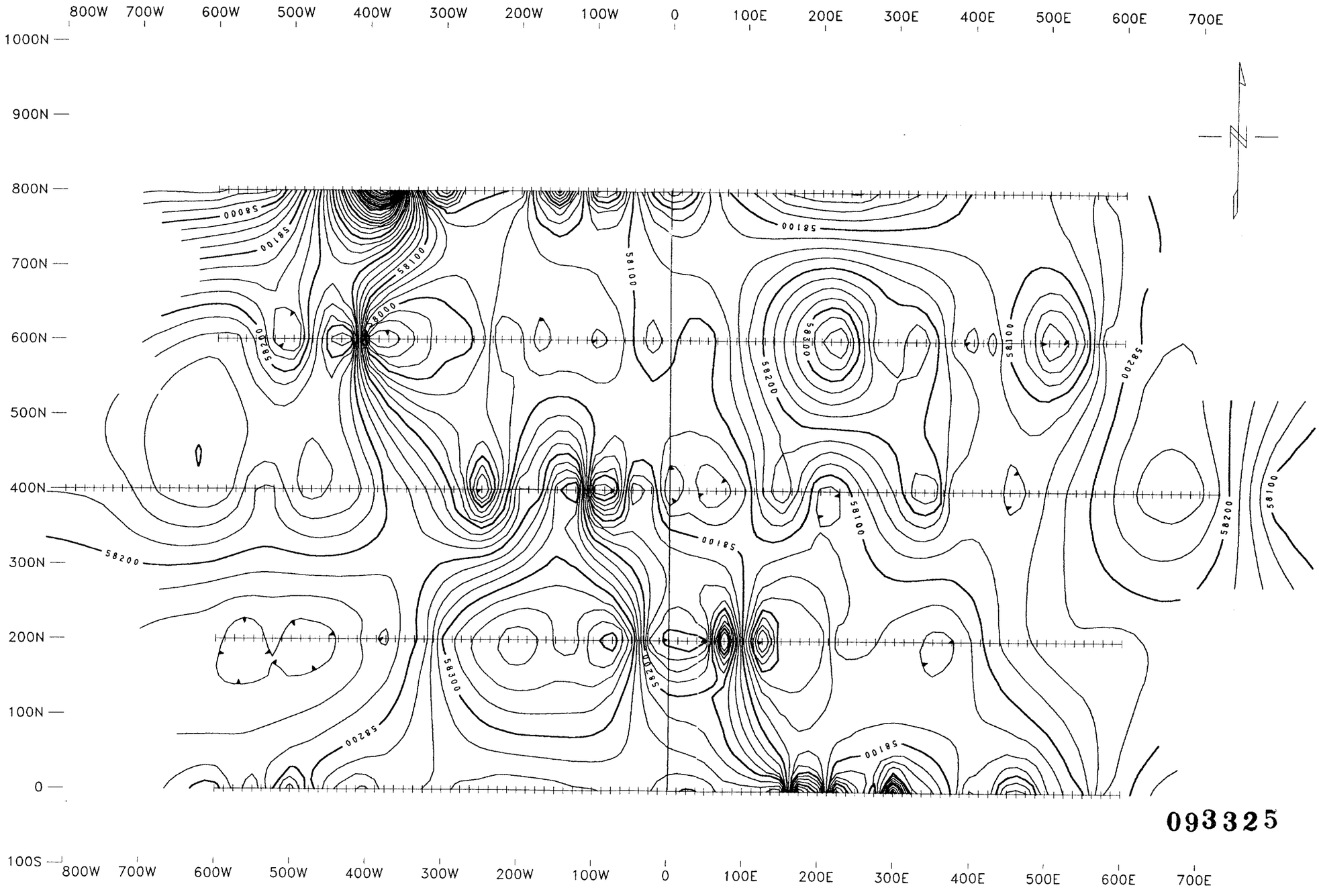
(meters)

COMINCO EXPLORATION

PELLY MTN PROPERTY
N6 GRID
BOUGUER GRAVITY

DENSITY = 2.67

COMINCO GEOPHYSICS



093325

Dwg (3)

Contour Interval: 25 nT

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY GRID N1 TOTAL FIELD MAGNETICS
COMINCO GEOPHYSICS

800W 700W 600W 500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E 600E 700E

L 800 N

L 600 N

L 400 N

L 200 N

L 0

L 800 N
L 600 N
L 200 N
L 0

800W 700W 600W 500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E 600E 700E

093325

DWG (4)

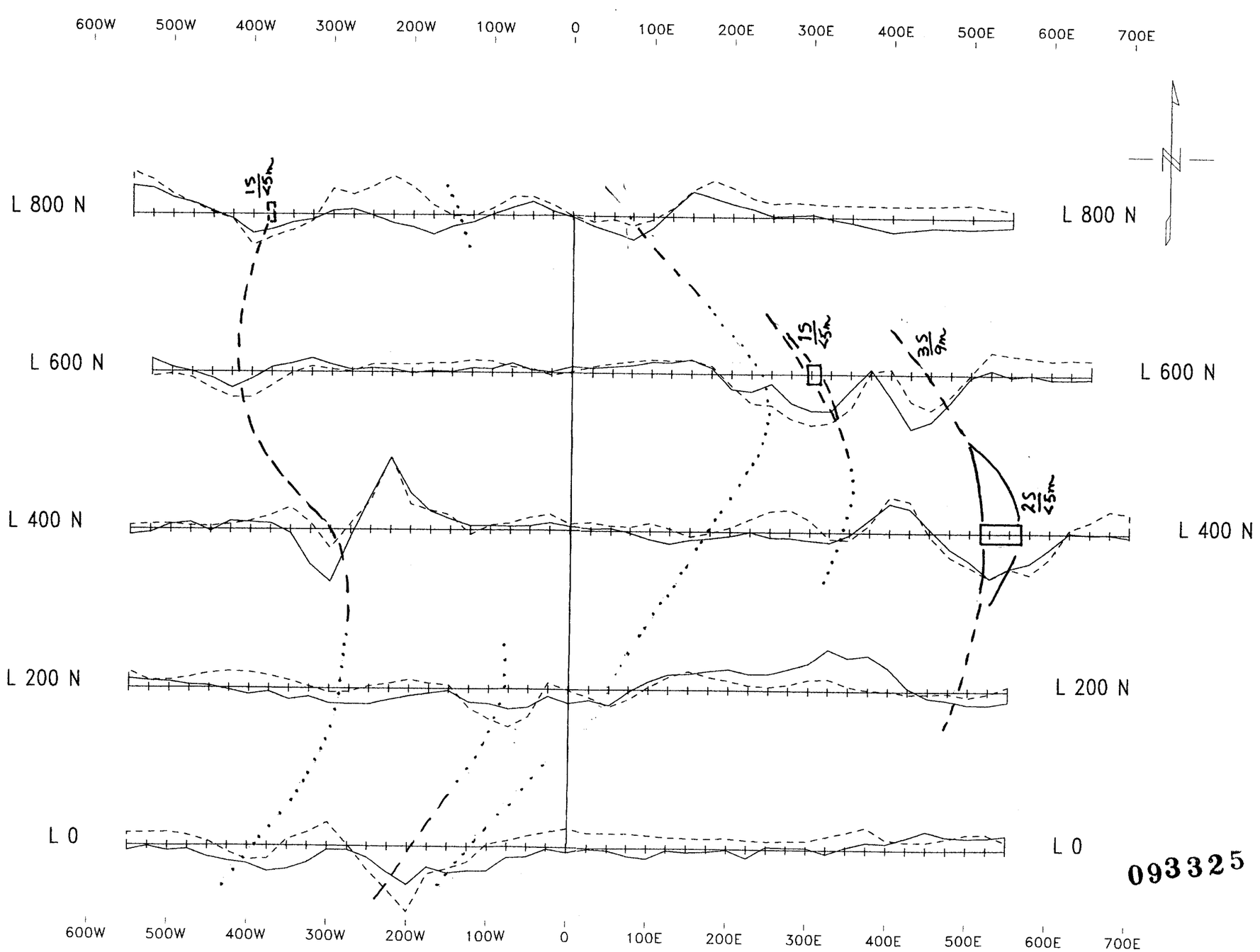
Vertical Scale: 1cm = 100 nT

Scale 1:5000

50 0 50 100 150 200 250 300

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY GRID N1 TOTAL FIELD MAGNETICS
COMINCO GEOPHYSICS



093325

DWG (5)

Vertical Scales:

—— In Phase – 1cm = 20%

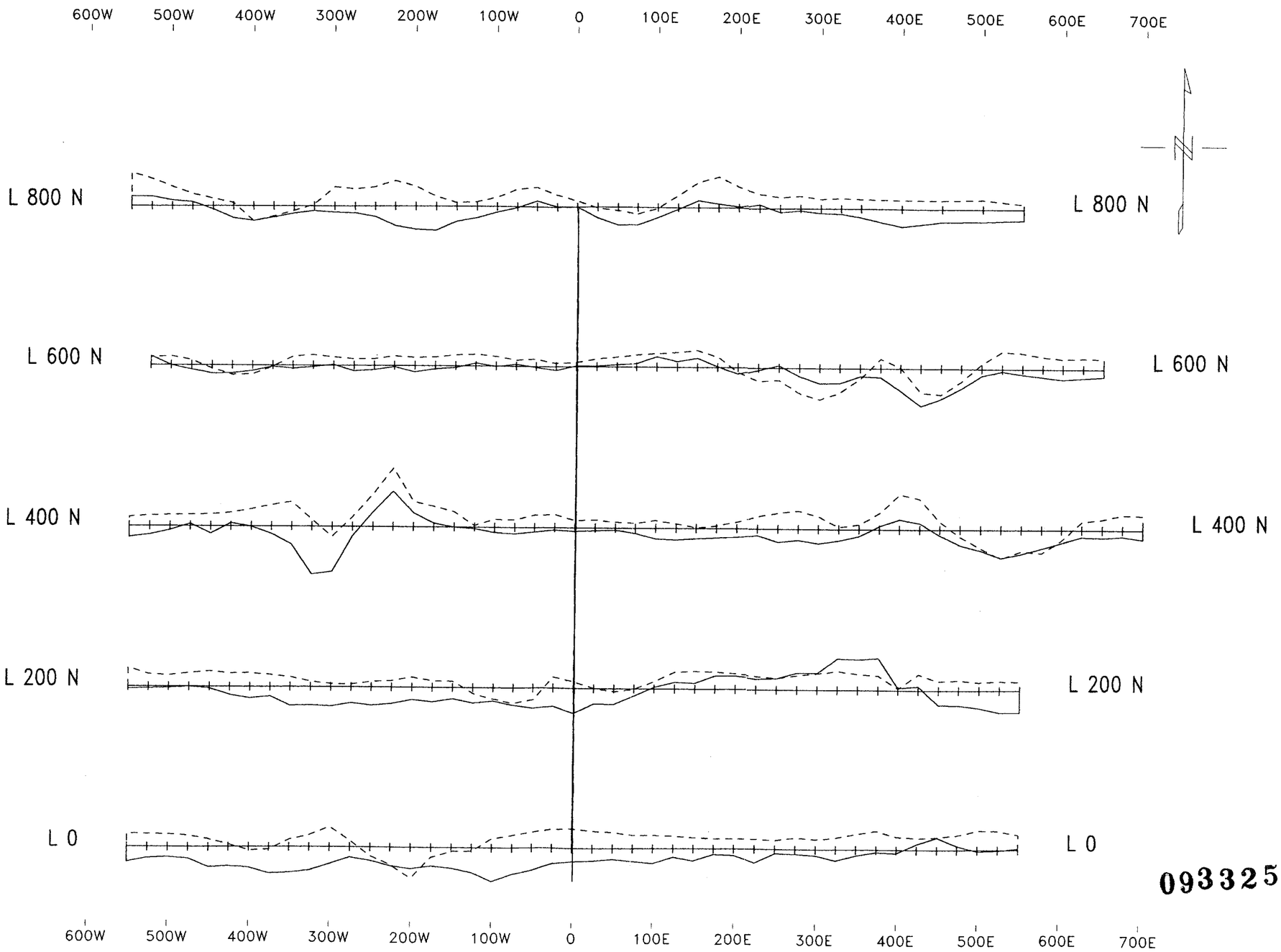
– – Quadrature – 1cm = 20%

Scale 1:5000

50 0 50 100 150 200 250

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY GRID N1 HORIZONTAL LOOP EM
3520 Hz 100m cs
COMINCO GEOPHYSICS



093325

DWG (6)

Vertical Scales:

—— In Phase – 1cm = 20%

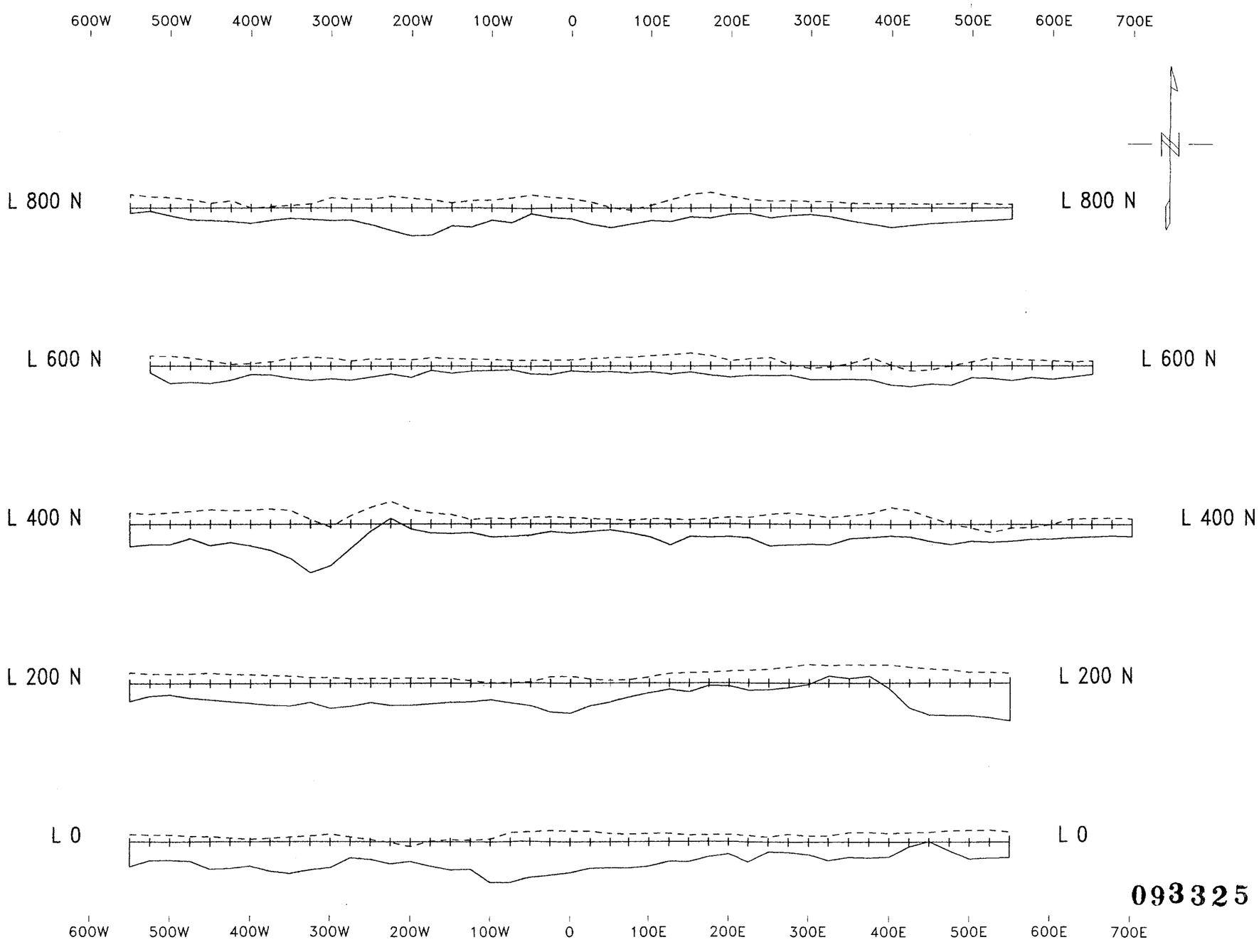
– – Quadrature – 1cm = 20%

Scale 1:5000

50 0 50 100 150 200 250

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY GRID N1 HORIZONTAL LOOP EM
1760 Hz 100m cs
COMINCO GEOPHYSICS



093325

Dwg 1

Vertical Scales:

—— In Phase – 1cm = 20%

—— Quadrature – 1cm = 20%

Scale 1:5000

50 0 50 100 150 200 250

(meters)

COMINCO EXPLORATION
PELLY MTN PROPERTY GRID N.1 HORIZONTAL LOOP EM
440 Hz 100m cs
COMINCO GEOPHYSICS