

093864

COMINCO LTD.

EXPLORATION  
NTS 105 G/8

WESTERN DISTRICT  
APRIL 1998

1997 ASSESSMENT REPORT

WOL  
PROPERTY

GEOCHEMISTRY  
And  
GEOPHYSICS

WATSON LAKE M.D., YUKON

PELLY MOUNTAINS AREA

WORK PERIOD  
June 25-30, July 4, 5, 7, 8, 11, 1997



LATITUDE: 61°30'

APRIL 1998

LONGITUDE: 130°16'

VICTORIA L. BANNISTER

093864

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## 1.0 SUMMARY

The WOL property comprises 238 units in two claim blocks and is located north and east of Wolverine Lake approximately 25 kms southeast of Finlayson Lake and 125 kms southeast of Ross River.

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 and Atna/Westmin's Wolverine/Lynx Zone VHMS deposit.

The WOL properties are located near the western margin of the Finlayson Lake Fault Zone, in an area which has been overthrust by SMT mafic/intermediate volcanics. The stratigraphy generally trends northwest with moderate to steep northeast dips. The rocks underlying the properties comprise sequences of mafic and felsic volcanics, as well as sedimentary rock packages.

Hosted within a mixed felsic volcanic-mudstone package along the southeastern edge of the WOL property, is an 8 km long, up to 40 metres thick, quartz-magnetite±barite-hematite-pyrite Fe-formation. The Fe-formation consists of fine-grained, disseminated to massive banded magnetite with trace-10% fine pyrite and minor biotite defining a strong laminated to thin banded/bedded texture within a quartz/silica rock (recrystallized exhalite). Rock samples from 1996 returned up to 5.3% Zn, 0.6% Pb and 45% Ba. This Fe-formation is found hangingwall to Westmin/Atna's Wolverine and Fisher Zones, discovered in 1995/96.

Detailed mapping, prospecting and geophysical ground surveys (HLEM/MAG±Gravity) were completed over two grids on the WOL in 1997. These grids were also covered by detailed soil geochemistry.

Results from the soil surveys conducted on the WOL returned several samples moderate to strongly anomalous in copper, lead and zinc scattered throughout the WOL NORTH and WOL WES. Sampling on the large WOL MAIN grid produced three distinct linear zones highly anomalous in Cu, Pb, and Zn ± Ba. The results of geophysical surveys on the WOL grids outlined numerous conductors (HLEM) flanking strong magnetic features; conductors likely represent graphitic sediments. Additional mapping/prospecting and possibly drill testing is recommended for follow up of significant soil anomalies, especially in areas having strong correlation with geophysical features and promising geology.

## 2.0 LOCATION & ACCESS

The WOL property is located north and east of Wolverine Lake, approximately 25 kms southeast of Finlayson Lake and 125 kms southeast of Ross River, Yukon (Figure 1). The property lies about 15 kms eastnortheast of Cominco Ltd.'s ABM VHMS Deposit. The gravel, all-weather Robert Campbell Highway provides access to within 10 kms of the area, from which a rough winter road constructed by Westmin in early 1996 leads to the Wolverine Lake Camp. Direct access to the properties is by helicopter.

### 3.0 PROPERTY & OWNERSHIP

The WOL (238 units) is 100% owned by Cominco Ltd. (Figure 2). The northern WOL claim block (WOL 1-209) is contiguous with the larger TAG claim block. The southern WOL claim block (WOL 210-239) is surrounded by the Westmin/Atna FOOT claims. The Grid locations are also shown in Figure 2.

| <u>NAME</u> | <u>UNITS</u> | <u>CLAIM NO.</u> | <u>DUE DATES</u> |
|-------------|--------------|------------------|------------------|
| WOL 1-28    | 28           | YB47712-739      | April 15/97      |
| WOL 29-40   | 12           | YB47434-445      | April 15/97      |
| WOL 41-156  | 116          | YB48801-916      | April 15/97      |
| WOL 164-180 | 17           | YB55784-800      | April 15/97      |
| WOL 181-201 | 21           | YB55378-398      | April 15, 2000   |
| WOL 202-209 | 8            | YB55399-406      | April 15/97      |
| WOL 210-239 | 30           | YB55407-436      | April 15, 2005   |
| WOL 240-244 | 5            | YB70142-146      | April 13, 2001   |
| WOL 246     | 1            | YB70148          | April 13, 2001   |
| WOL 249     | 1            | YB70151          | April 13, 2001   |

### 4.0 PREVIOUS WORK

The JAY claim group (Minfile #40) was staked by Hi-Boy Mining and Exploration in 1966, in an area east of the north end of Wolverine Lake, however no work or any indication of any mineralization was recorded.

At the south end of Wolverine Lake is the Fetish showing (Minfile #72). This showing was initially staked by the Finlayson JV in 1973. The FJV conducted grid soil sampling, geological mapping, trenching and drilled 2 holes (249 m) in that same year, with additional soil sampling in 1974. The mineralization consists of trace chalcopyrite and galena in strongly leached, limonitic chloritic schists and quartz float. Drilling intersected thin bands of chalcopyrite and sphalerite in a soft, contorted talc-sericite-chlorite schist unit up to 20 metres thick. Several magnetite Fe-formations are present stratigraphically above the Fetish mineralization. This showing was staked by Atna Resources Ltd. in 1994 and was subsequently optioned to Westmin in 1995. Drilling by Westmin in 1995 lead to the discovery of the Wolverine Zone VHMS Deposit. The best 1995 drill intercept was 8.3 metres of 14.2% Zn, 0.6% Cu, 7.6% Pb, 1,351 g/t Ag and 3.5 g/t Au.

Prior Cominco Ltd. work in <sup>the</sup> immediate property ~~the~~ area includes broad heavy mineral and minor silt and soil sampling in 1977 and recce geological mapping in 1993. The WOL property was staked in 1994; work that season included geological mapping and geochemical soil surveys.

The 1995 Cominco Ltd. program on the WOL property included mapping and prospecting, as well as soil geochemistry on several contour lines and one small grid. Results from the soil lines defined a broad zone anomalous in Pb, Zn, Ag, and Ba, associated with elevated Cu and Au values downslope of the Fe-formation and associated felsic volcanics.

Cominco Ltd. also conducted detailed mapping, prospecting and geophysical ground surveys (HLEM/MAG±Gravity) ~~were completed~~ over five grids on the WOL, BOOT and JACK properties in 1996. Four of these five grids were also covered by detailed soil geochemistry. A total of 601.1 metres of diamond drilling was completed in 3 holes on the WOL and BOOT properties as well. Sampling on the large WOL MAIN grid produced three distinct linear zones highly anomalous in Cu, Pb, and Zn ± Ba. The results of geophysical surveys on the WOL grids indicate numerous conductors (HLEM) flanking strong magnetic features; conductors likely represent graphitic sediments. Diamond drilling was also completed in two holes on the WOL MAIN grid.

## 5.0 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 of a sequence of metamorphosed rocks comprising a "lower unit" (3l in Mortensen 1983a) 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 (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 is composed of a heterogeneous package of mafic to ultramafic plutonic rocks, mafic volcanics, massive carbonates and cherts. This sequence is generally accepted to be structurally emplaced as thrust bounded klippen on YTT rocks or as thrust slices imbricated within YTT rocks during a period of crustal shortening.

Late Triassic immature clastics composed of micaceous argillites, siltstones and sandstones 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, 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).

Thrust faulting continued after the formation of the Finlayson Lake Fault Zone as indicated by the presence of over thrust sheets of SMT rocks (Campbell Range Belt) above the fault zone.

## 6.0 1997 GEOCHEMISTRY

Soil sampling on the WOL property was completed on the extension of the MAIN grid (to the northwest). Grid samples were collected at 50m intervals, with contour soil and stream silt samples at 100m intervals, combining for a total of 114 soil samples and 1 silt sample (Figure 3).

Results from sampling returned several moderately to strongly anomalous values for Cu (up to 506 ppm), Pb (up to 294 ppm) and Zn (up to 794 ppm) scattered throughout the grid.

The large WOL MAIN grid, now with extension, is located over the black, recessive, carbonaceous phyllitic mudstone unit, as well as part of the Fe-formation and associated felsic volcanics. Prior (1996) analysis of samples from this grid revealed three distinctive multi-element anomalous zones. The sampling on the extension of the grid was done to further examine the 3rd anomalous zone as describe in Senft, 1997. The third anomalous zone is located in the nothwest corner of the original MAIN grid. It is a northwest trending zone that appears to be on strike with the Fe-formation found on the WOL, possibly an extension of the first anomalous zone. Results in 1996 returned values up to 499 ppm Cu, 296 ppm Pb, 522 ppn Zn and 26,932 ppm Ba for this area.

The most recent 1997 sample extends this anomalous zone further to the northwest and increases its dimensions.

## 7.0 1997 GEOPHYSICS & LINECUTTING

During the periods of June 25-30, 1997, an extension was to the MAIN grid was cut on the WOL property. Linecutting was carried out by Kaska-Nomadic of Ross River, Yukon.

| GRID NAME   | WOL MAIN EXTENSION |
|-------------|--------------------|
| # LINE KM'S | 8.3 km             |

Geophysical surveys, which included 6.7 kms of Horizontal Loop EM (HLEM) and magnetics surveys, were carried out on the WOL8 and WOL10 grids on July 4<sup>th</sup> and 5<sup>th</sup> respectively. An Apex MaxMin I -10 unit was used for the HLEM coverage, and two GEM proton magnetometers, one as a base station and one as a field unit, were utilized for the magnetics survey. The HLEM survey was completed on 100 and 200 m spaced lines and a station interval of 25 m, with a 100 m coil spacing and measured three frequencies, 440, 1760 and 3520 Hz. Total field magnetics readings were recorded along the same lines, though at a denser station interval of 12.5m.

The WOL8 and WOL10 grids are western extensions of the main WOLVERINE grid, with the WOL 8 being the immediate extension to the west, and the WOL10 grid offset 700 m west of WOL8. The WOL8 grid area is dominated by a wide conductive feature, greater than 300 m wide, with high conductivity\*thickness of >50S, and a shallow depth to top of about 6 m. Flanking the wide conductive zone to the north is a narrower conductor, 10-35 m wide and at a slightly greater depth of 12-15 m. This northern conductor is evident along a strike length of 200 m, and extends westward beyond the grid. This conductor has a slightly lower  $\sigma t$  of 20-30 S, though still quite high. These conductors have no magnetic signature, and so probably have an argillaceous source, and hence do not represent attractive targets, since the VMS targets in this belt typically have moderate to strong magnetic signatures.

The WOL10 grid also shows significant conductivity in its southern portion, with the area south of 00 being quite conductive. This broad conductive zone has high  $\sigma t$ 's of 35-60 S, and has depths in the order of 20-25 m. To the north, another broad more weakly conductive zone is outlined, centred at about 100N and 125N on lines 4600E and 4500E respectively. Conductivity\*thickness products are in the order of 20 S and depths are greater than 30 m. The ground magnetics survey outlined magnetic highs near the centre of the grid, near 00 on line 4500E and 4600E, and deepening to the east and west. However, the conductors outlined by the HLEM survey are related to areas of lower magnetics on the flanks of the magnetic high. The lack of magnetic correlation to the conductive horizons, considerably downgrades these conductors as VMS targets. These conductors are probably due to conductive mudstones.

## 8.0 CONCLUSIONS & RECOMMENDATIONS

The WOL properties are located near the western margin of the Finlayson Lake Fault Zone, in an area which has been overthrust by SMT mafic/intermediate volcanics. The stratigraphy generally trends northwest with moderate to steep northeast dips. The rocks underlying the properties comprise sequences of mafic and felsic volcanics, as well as sedimentary rock packages.

Hosted within a mixed felsic volcanic-mudstone package along the southeastern edge of the WOL property is an 8 km long, up to 40 metres thick, quartz-magnetite±barite-hematite-pyrite Fe-formation. The Fe-formation consists of fine-grained, disseminated to massive banded magnetite with trace-10% fine pyrite and minor biotite defining a strong laminated to thin banded/bedded texture within a quartz/silica rock (recrystallized exhalite).

Results from 1997 sampling returned several moderately to strongly anomalous values for Cu (up to 506 ppm), Pb (up to 294 ppm) and Zn (up to 794 ppm) scattered throughout the grid extension.

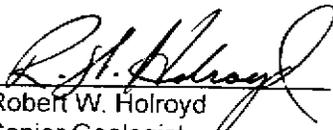
Additional mapping/prospecting and possibly drill testing is recommended for follow up of the soil anomalies, especially in areas where there is correlation to geophysical features and promising geology.

Several other conductive targets remain to be tested (see Senft, 1997) on the WOL properties and these anomalies appear to occur at a similar stratigraphic position as the Wolverine Zone. Diamond drill testing of these anomalies is still recommended. The presence of soil anomalies on strike with other geophysical targets on this MAIN extended grid along with the favourable geology suggest further investigation, with drilling recommended.

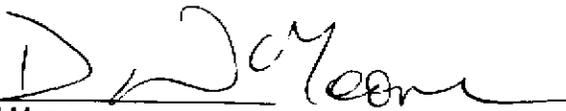
Report by:

  
Victoria L. Bannister  
Geologist

Endorsed by:

  
Robert W. Holroyd  
Senior Geologist

Approved for  
Release by:

  
David Moore  
Manager, Exploration  
Western Canada

VLB/vlb

Distribution:  
W.D. Files  
Mining Recorder (2)

## 1.0 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.

SENF, D.A., 1997. 1996 ASSESSMENT REPORT: WOL, BOOT AND JACK PROPERTIES. 16p.

**APPENDIX I  
STATEMENT OF QUALIFICATIONS**

I, Victoria L. Bannister, of #103-2168 W. 2<sup>nd</sup> Ave., Vancouver, B.C. hereby declare that I:

1. Graduated from The University of Toronto, Toronto, Ontario, with a B.Sc. in Geology in May, 1993.
2. Graduated from Queen's University, Kingston, Ontario, with a M.Sc. in Geology in May, 1996.
3. Have acted as a contract geologist in Ontario and Yukon, Canada and in Martinique and Guyana since the summer of 1991.
4. Have been actively engaged in mineral exploration in Western Canada as a geological assistant with Cominco Ltd. during the summer and fall of 1996 and as a full-time geologist since November 1996.

Date: April 1998



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V.L. Bannister, M.Sc.  
Geologist I

**APPENDIX II  
STATEMENT OF EXPENDITURES**

**WOL PROPERTY**

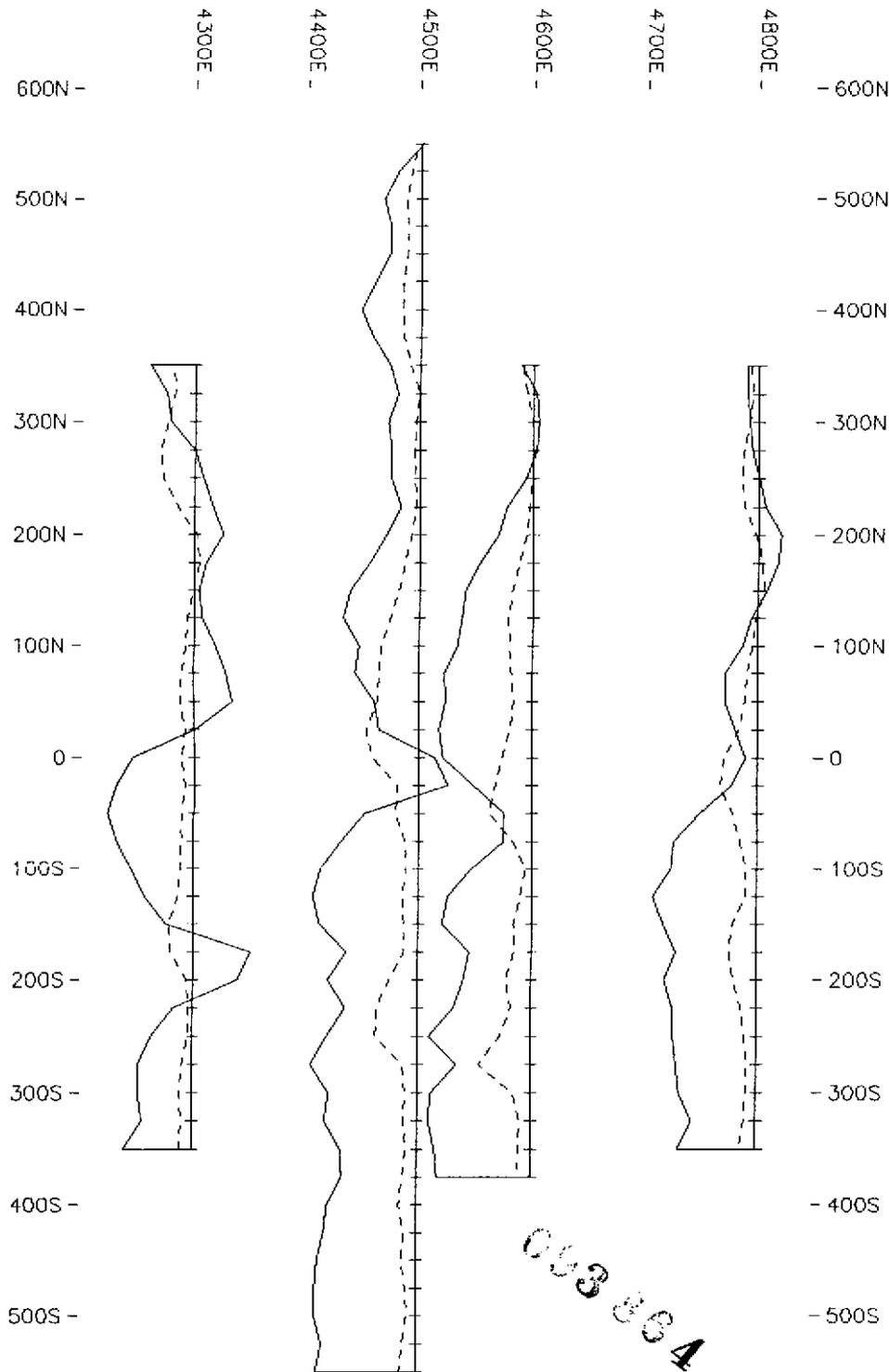
|                                    |                    |
|------------------------------------|--------------------|
| Geology & Geochemistry Staff Costs | 3,968.16           |
| Linecutting & Geophysical Costs    | 5,303.39           |
| Domicile                           | 4,800.00           |
| Helicopter                         | 7,280.00           |
| <b>Total</b>                       | <b>\$21,351.55</b> |

**APPENDIX III**  
**GEOCHEMICAL RESULTS**

| Field  | Cu  | Pb  | Zn  | Ag  | As  | Ba   | Cd  | Co  | Ni  | Fe   | Mo | Cr | Bi | Sb | V  | Sn | W | Sr  | Y   | La | Mn   | Mg    | Ti    | Al   | Ca    | Na    | K     | BaXR  |
|--------|-----|-----|-----|-----|-----|------|-----|-----|-----|------|----|----|----|----|----|----|---|-----|-----|----|------|-------|-------|------|-------|-------|-------|-------|
| 332510 | 91  | 27  | 136 | 0.2 | 25  | 1387 | 0.5 | 10  | 61  | 2    | 5  | 28 | 2  | 2  | 18 | 1  | 1 | 55  | 16  | 14 | 1894 | 0.23  | 0.005 | 0.8  | 0.43  | 0.03  | 0.06  | 5734  |
| 332511 | 132 | 15  | 374 | 0.6 | 50  | 976  | 2   | 6   | 57  | 1.55 | 6  | 20 | 2  | 2  | 13 | 1  | 1 | 132 | 22  | 9  | 656  | 0.24  | 0.005 | 0.77 | 1.1   | 0.01  | 0.05  | 5134  |
| 332512 | 76  | 97  | 319 | 0.2 | 17  | 795  | 2   | 7   | 30  | 1.14 | 3  | 15 | 2  | 2  | 9  | 1  | 1 | 189 | 7   | 4  | 1092 | 0.2   | 0.005 | 0.6  | 1.61  | 0.02  | 0.02  | 3538  |
| 332513 | 24  | 5   | 65  | 0.2 | 1   | 229  | 0.5 | 1   | 11  | 0.3  | 2  | 5  | 2  | 2  | 2  | 1  | 1 | 90  | 1   | 2  | 126  | 0.07  | 0.005 | 0.21 | 0.66  | 0.02  | 0.01  | 2390  |
| 332514 | 41  | 13  | 86  | 0.2 | 75  | 116  | 0.5 | 5   | 26  | 2.4  | 4  | 19 | 2  | 2  | 28 | 1  | 1 | 7   | 2   | 9  | 309  | 0.08  | 0.005 | 0.48 | 0.04  | 0.005 | 0.02  | 5337  |
| 332515 | 35  | 64  | 66  | 0.2 | 34  | 120  | 0.5 | 2   | 15  | 1.63 | 4  | 9  | 2  | 2  | 14 | 1  | 1 | 12  | 1   | 12 | 131  | 0.04  | 0.005 | 0.44 | 0.01  | 0.005 | 0.03  | 8431  |
| 332516 | 65  | 43  | 116 | 0.2 | 49  | 225  | 0.5 | 8   | 29  | 2.02 | 3  | 14 | 2  | 2  | 15 | 1  | 1 | 17  | 5   | 10 | 525  | 0.13  | 0.005 | 0.5  | 0.08  | 0.005 | 0.03  | 8164  |
| 332517 | 32  | 14  | 93  | 0.2 | 31  | 94   | 0.5 | 5   | 20  | 2.06 | 4  | 16 | 2  | 5  | 18 | 1  | 1 | 7   | 2   | 10 | 316  | 0.13  | 0.005 | 0.48 | 0.02  | 0.005 | 0.03  | 4883  |
| 332518 | 30  | 108 | 235 | 0.2 | 41  | 191  | 0.5 | 3   | 15  | 2.14 | 11 | 5  | 2  | 2  | 4  | 1  | 1 | 33  | 5   | 12 | 371  | 0.02  | 0.005 | 0.2  | 0.04  | 0.005 | 0.04  | 6178  |
| 332519 | 49  | 85  | 76  | 3   | 46  | 840  | 0.5 | 15  | 10  | 1.97 | 7  | 7  | 2  | 2  | 12 | 1  | 1 | 43  | 7   | 8  | 2639 | 0.03  | 0.005 | 0.55 | 0.08  | 0.03  | 0.03  | 8411  |
| 332520 | 35  | 51  | 177 | 0.2 | 98  | 129  | 0.5 | 3   | 21  | 2.16 | 8  | 4  | 2  | 7  | 13 | 1  | 1 | 24  | 3   | 20 | 107  | 0.01  | 0.005 | 0.36 | 0.005 | 0.005 | 0.03  | 7563  |
| 332521 | 36  | 70  | 157 | 1.8 | 83  | 611  | 0.5 | 3   | 19  | 2.37 | 10 | 6  | 2  | 2  | 33 | 1  | 1 | 73  | 3   | 15 | 57   | 0.01  | 0.005 | 0.45 | 0.01  | 0.005 | 0.06  | 7827  |
| 332522 | 9   | 25  | 56  | 3.4 | 16  | 97   | 1   | 0.5 | 8   | 0.59 | 3  | 5  | 2  | 2  | 16 | 1  | 1 | 21  | 1   | 4  | 63   | 0.01  | 0.005 | 0.16 | 0.09  | 0.02  | 0.05  | 2296  |
| 332523 | 137 | 27  | 300 | 0.8 | 157 | 116  | 9   | 13  | 66  | 5.28 | 2  | 4  | 2  | 5  | 10 | 1  | 1 | 60  | 26  | 2  | 1035 | 0.08  | 0.005 | 0.41 | 0.75  | 0.005 | 0.1   | 1096  |
| 332524 | 33  | 59  | 84  | 1.4 | 49  | 286  | 1   | 1   | 11  | 1.53 | 15 | 10 | 2  | 7  | 41 | 1  | 1 | 140 | 4   | 11 | 30   | 0.02  | 0.005 | 0.39 | 0.09  | 0.03  | 0.08  | 3198  |
| 332525 | 13  | 2   | 162 | 0.2 | 3   | 129  | 6   | 0.5 | 4   | 0.08 | 41 | 2  | 2  | 2  | 2  | 1  | 1 | 121 | 1   | 1  | 38   | 0.26  | 0.005 | 0.08 | 2.24  | 0.03  | 0.01  | 242   |
| 332526 | 15  | 2   | 57  | 0.2 | 9   | 53   | 2   | 0.5 | 9   | 0.08 | 36 | 2  | 2  | 20 | 3  | 1  | 1 | 127 | 1   | 1  | 9    | 0.57  | 0.005 | 0.07 | 2.53  | 0.02  | 0.005 | 149   |
| 332527 | 46  | 57  | 129 | 0.7 | 53  | 414  | 1   | 2   | 19  | 1.74 | 13 | 22 | 2  | 2  | 40 | 1  | 1 | 122 | 4   | 12 | 68   | 0.1   | 0.005 | 0.51 | 0.09  | 0.005 | 0.1   | 4248  |
| 332551 | 14  | 14  | 47  | 0.9 | 7   | 112  | 0.5 | 1   | 8   | 0.72 | 5  | 7  | 2  | 2  | 22 | 1  | 1 | 31  | 1   | 10 | 25   | 0.01  | 0.005 | 0.32 | 0.03  | 0.02  | 0.03  | 1692  |
| 332552 | 90  | 18  | 83  | 0.9 | 10  | 824  | 3   | 2   | 22  | 1.31 | 16 | 14 | 2  | 5  | 26 | 1  | 1 | 91  | 7   | 6  | 129  | 0.1   | 0.005 | 0.63 | 0.36  | 0.03  | 0.07  | 1920  |
| 332553 | 68  | 20  | 121 | 0.9 | 33  | 461  | 1   | 4   | 23  | 1.71 | 9  | 16 | 2  | 2  | 36 | 1  | 1 | 102 | 9   | 17 | 172  | 0.14  | 0.005 | 0.5  | 0.13  | 0.005 | 0.08  | 3581  |
| 332554 | 305 | 29  | 307 | 0.2 | 43  | 601  | 4   | 14  | 51  | 5.1  | 10 | 29 | 2  | 6  | 46 | 1  | 1 | 118 | 49  | 16 | 535  | 0.28  | 0.005 | 0.99 | 0.15  | 0.005 | 0.1   | 3525  |
| 332555 | 506 | 26  | 794 | 0.2 | 1   | 383  | 24  | 79  | 170 | 6.51 | 9  | 22 | 2  | 7  | 25 | 1  | 1 | 101 | 133 | 11 | 1744 | 0.25  | 0.005 | 1.5  | 0.21  | 0.005 | 0.05  | 3004  |
| 332556 | 61  | 2   | 270 | 0.2 | 2   | 222  | 17  | 7   | 68  | 1.01 | 3  | 2  | 2  | 2  | 1  | 1  | 1 | 57  | 17  | 1  | 124  | 0.06  | 0.005 | 0.29 | 0.51  | 0.02  | 0.01  | 571   |
| 332557 | 7   | 2   | 181 | 0.2 | 8   | 57   | 1   | 1   | 30  | 0.24 | 1  | 2  | 2  | 2  | 2  | 1  | 1 | 47  | 1   | 1  | 66   | 0.07  | 0.005 | 0.25 | 0.54  | 0.02  | 0.01  | 241   |
| 332558 | 77  | 19  | 535 | 0.2 | 92  | 554  | 22  | 7   | 93  | 4.64 | 11 | 25 | 2  | 8  | 35 | 1  | 1 | 84  | 14  | 8  | 604  | 0.34  | 0.005 | 0.94 | 0.58  | 0.005 | 0.04  | 2928  |
| 332559 | 58  | 13  | 435 | 0.2 | 76  | 514  | 5   | 14  | 74  | 4.13 | 6  | 27 | 2  | 2  | 26 | 1  | 1 | 87  | 10  | 8  | 783  | 0.4   | 0.005 | 0.71 | 0.95  | 0.005 | 0.05  | 2478  |
| 332560 | 9   | 2   | 158 | 0.2 | 604 | 896  | 2   | 0.5 | 18  | 29.7 | 11 | 4  | 2  | 2  | 3  | 1  | 1 | 162 | 1   | 1  | 1071 | 0.08  | 0.005 | 0.06 | 1.62  | 0.02  | 0.005 | 1523  |
| 332561 | 57  | 15  | 481 | 0.2 | 89  | 611  | 4   | 14  | 82  | 4.27 | 8  | 29 | 2  | 2  | 31 | 1  | 1 | 99  | 10  | 10 | 2075 | 0.44  | 0.005 | 0.83 | 1.03  | 0.01  | 0.06  | 2666  |
| 332562 | 61  | 17  | 170 | 0.2 | 12  | 394  | 1   | 11  | 75  | 2.88 | 6  | 56 | 2  | 2  | 49 | 1  | 1 | 48  | 14  | 21 | 508  | 0.92  | 0.02  | 1.38 | 0.38  | 0.005 | 0.19  | 2771  |
| 336889 | 26  | 7   | 18  | 0.2 | 4   | 190  | 0.5 | 1   | 6   | 0.47 | 1  | 6  | 5  | 2  | 8  | 1  | 1 | 7   | 2   | 8  | 36   | 0.01  | 0.005 | 0.5  | 0.03  | 0.04  | 0.01  | 2404  |
| 336890 | 39  | 14  | 53  | 0.2 | 5   | 408  | 0.5 | 5   | 20  | 1.69 | 4  | 19 | 5  | 2  | 23 | 1  | 1 | 6   | 3   | 12 | 299  | 0.29  | 0.005 | 1.2  | 0.04  | 0.02  | 0.03  | 6203  |
| 336891 | 17  | 11  | 40  | 0.2 | 7   | 76   | 0.5 | 2   | 8   | 1.05 | 2  | 7  | 6  | 2  | 23 | 1  | 1 | 5   | 1   | 7  | 123  | 0.06  | 0.005 | 0.4  | 0.02  | 0.03  | 0.02  | 3089  |
| 336892 | 59  | 9   | 139 | 0.9 | 42  | 200  | 0.5 | 3   | 30  | 2.03 | 5  | 5  | 2  | 2  | 32 | 1  | 1 | 9   | 2   | 5  | 64   | 0.005 | 0.01  | 0.29 | 0.01  | 0.02  | 0.01  | 11331 |
| 336893 | 41  | 74  | 123 | 2.2 | 44  | 442  | 3   | 2   | 20  | 1.74 | 4  | 5  | 2  | 2  | 24 | 1  | 1 | 33  | 1   | 3  | 103  | 0.01  | 0.005 | 0.34 | 0.08  | 0.03  | 0.06  | 6569  |
| 336894 | 26  | 32  | 85  | 1.4 | 22  | 192  | 0.5 | 1   | 10  | 1.17 | 3  | 2  | 2  | 2  | 5  | 1  | 1 | 9   | 1   | 1  | 27   | 0.005 | 0.005 | 0.41 | 0.02  | 0.03  | 0.04  | 3004  |
| 336895 | 224 | 259 | 567 | 0.9 | 35  | 871  | 1   | 12  | 48  | 2.68 | 6  | 4  | 2  | 2  | 8  | 1  | 1 | 59  | 7   | 11 | 485  | 0.02  | 0.005 | 0.5  | 0.26  | 0.03  | 0.17  | 5570  |
| 336896 | 63  | 45  | 275 | 5.3 | 97  | 478  | 4   | 5   | 36  | 2.83 | 7  | 6  | 2  | 7  | 19 | 1  | 1 | 57  | 2   | 7  | 156  | 0.02  | 0.005 | 0.4  | 0.06  | 0.03  | 0.09  | 9608  |
| 336897 | 13  | 67  | 20  | 3.3 | 5   | 329  | 0.5 | 0.5 | 2   | 0.64 | 24 | 7  | 2  | 2  | 30 | 1  | 1 | 182 | 5   | 13 | 8    | 0.01  | 0.005 | 0.23 | 0.05  | 0.03  | 0.09  | 3318  |
| 336898 | 18  | 28  | 63  | 2   | 5   | 325  | 0.5 | 1   | 8   | 0.75 | 11 | 5  | 2  | 2  | 21 | 1  | 1 | 68  | 1   | 8  | 29   | 0.005 | 0.005 | 0.27 | 0.03  | 0.02  | 0.07  | 4998  |

| Field  | Cu  | Pb  | Zn  | Ag  | As  | Ba   | Cd  | Co  | Ni | Fe   | Mo | Cr | Bi | Sb | V   | Sn | W | Sr  | Y  | La | Mn   | Mg    | Ti    | Al   | Ca   | Na    | K    | BaXR  |
|--------|-----|-----|-----|-----|-----|------|-----|-----|----|------|----|----|----|----|-----|----|---|-----|----|----|------|-------|-------|------|------|-------|------|-------|
| 336899 | 55  | 59  | 110 | 2   | 30  | 519  | 3   | 2   | 21 | 1.07 | 7  | 13 | 2  | 6  | 18  | 1  | 1 | 63  | 5  | 5  | 48   | 0.07  | 0.005 | 0.34 | 0.11 | 0.03  | 0.07 | 2550  |
| 336902 | 40  | 19  | 93  | 0.9 | 18  | 326  | 1   | 3   | 15 | 1.47 | 9  | 13 | 2  | 2  | 32  | 1  | 1 | 102 | 7  | 10 | 111  | 0.11  | 0.005 | 0.34 | 0.1  | 0.005 | 0.07 | 3939  |
| 336903 | 59  | 30  | 197 | 0.7 | 44  | 325  | 2   | 5   | 41 | 1.89 | 7  | 26 | 2  | 2  | 30  | 1  | 1 | 88  | 10 | 10 | 185  | 0.31  | 0.005 | 0.58 | 0.17 | 0.005 | 0.05 | 3983  |
| 336904 | 94  | 27  | 124 | 1.8 | 40  | 467  | 1   | 1   | 26 | 1.6  | 11 | 23 | 2  | 5  | 50  | 1  | 1 | 117 | 16 | 10 | 45   | 0.09  | 0.005 | 0.63 | 0.07 | 0.03  | 0.08 | 3914  |
| 336905 | 55  | 20  | 211 | 0.4 | 35  | 401  | 4   | 9   | 48 | 1.39 | 8  | 19 | 2  | 2  | 29  | 1  | 1 | 94  | 7  | 6  | 200  | 0.2   | 0.005 | 0.36 | 0.15 | 0.005 | 0.08 | 3544  |
| 336906 | 180 | 45  | 171 | 3.6 | 68  | 878  | 4   | 6   | 35 | 1.8  | 11 | 14 | 2  | 12 | 42  | 1  | 1 | 169 | 13 | 5  | 194  | 0.1   | 0.005 | 0.53 | 0.32 | 0.03  | 0.08 | 4025  |
| 336907 | 173 | 62  | 117 | 2.6 | 86  | 420  | 2   | 3   | 27 | 2.39 | 17 | 19 | 2  | 12 | 101 | 1  | 1 | 204 | 8  | 10 | 58   | 0.05  | 0.005 | 0.65 | 0.08 | 0.03  | 0.15 | 3550  |
| 336908 | 40  | 65  | 56  | 3.3 | 57  | 368  | 1   | 0.5 | 8  | 1.26 | 14 | 8  | 2  | 10 | 27  | 1  | 1 | 122 | 3  | 7  | 18   | 0.03  | 0.005 | 0.33 | 0.26 | 0.03  | 0.06 | 4960  |
| 336909 | 34  | 35  | 62  | 0.2 | 28  | 63   | 0.5 | 9   | 17 | 2.09 | 3  | 2  | 2  | 2  | 3   | 1  | 1 | 19  | 24 | 5  | 191  | 0.005 | 0.005 | 0.23 | 0.24 | 0.005 | 0.01 | 4367  |
| 336910 | 40  | 294 | 29  | 5.2 | 184 | 790  | 0.5 | 0.5 | 2  | 1.84 | 25 | 6  | 2  | 10 | 12  | 1  | 1 | 186 | 4  | 10 | 13   | 0.005 | 0.005 | 0.18 | 0.02 | 0.005 | 0.15 | 19243 |
| 336911 | 52  | 81  | 150 | 0.4 | 104 | 123  | 0.5 | 2   | 19 | 1.65 | 5  | 4  | 2  | 2  | 24  | 1  | 1 | 24  | 2  | 13 | 34   | 0.005 | 0.005 | 0.34 | 0.01 | 0.005 | 0.05 | 5573  |
| 336912 | 53  | 16  | 130 | 0.2 | 32  | 344  | 0.5 | 4   | 25 | 1.73 | 4  | 7  | 2  | 2  | 40  | 1  | 1 | 7   | 2  | 11 | 51   | 0.005 | 0.005 | 0.47 | 0.03 | 0.03  | 0.01 | 4724  |
| 336913 | 47  | 15  | 105 | 0.4 | 64  | 177  | 0.5 | 6   | 30 | 3.16 | 3  | 20 | 2  | 2  | 30  | 1  | 1 | 6   | 2  | 9  | 231  | 0.15  | 0.01  | 0.79 | 0.03 | 0.005 | 0.02 | 5282  |
| 336914 | 33  | 10  | 95  | 0.5 | 48  | 149  | 0.5 | 5   | 21 | 2.19 | 5  | 17 | 2  | 2  | 18  | 1  | 1 | 4   | 1  | 10 | 246  | 0.1   | 0.005 | 0.63 | 0.01 | 0.005 | 0.02 | 7955  |
| 336915 | 21  | 8   | 48  | 0.2 | 20  | 126  | 0.5 | 3   | 14 | 1.5  | 2  | 11 | 2  | 2  | 19  | 1  | 1 | 4   | 1  | 6  | 216  | 0.1   | 0.005 | 0.56 | 0.03 | 0.02  | 0.03 | 5495  |
| 336916 | 32  | 8   | 52  | 0.2 | 15  | 95   | 0.5 | 5   | 21 | 2.16 | 1  | 21 | 2  | 2  | 27  | 1  | 1 | 2   | 1  | 4  | 577  | 0.09  | 0.01  | 0.57 | 0.02 | 0.02  | 0.03 | 3539  |
| 336917 | 36  | 10  | 85  | 0.2 | 85  | 122  | 0.5 | 5   | 22 | 2.13 | 4  | 12 | 5  | 2  | 22  | 1  | 1 | 3   | 1  | 9  | 240  | 0.05  | 0.005 | 0.59 | 0.01 | 0.005 | 0.01 | 5905  |
| 336918 | 44  | 20  | 87  | 0.2 | 41  | 432  | 0.5 | 9   | 27 | 1.41 | 2  | 18 | 2  | 2  | 14  | 1  | 1 | 89  | 7  | 6  | 1531 | 0.21  | 0.005 | 0.6  | 0.7  | 0.03  | 0.03 | 6818  |
| 336919 | 41  | 13  | 81  | 0.2 | 84  | 411  | 0.5 | 6   | 27 | 1.68 | 4  | 18 | 2  | 2  | 15  | 1  | 1 | 23  | 3  | 6  | 441  | 0.17  | 0.005 | 0.48 | 0.18 | 0.02  | 0.03 | 7995  |
| 336920 | 30  | 7   | 65  | 0.2 | 54  | 123  | 0.5 | 4   | 19 | 1.64 | 3  | 9  | 2  | 2  | 22  | 1  | 1 | 4   | 1  | 6  | 332  | 0.02  | 0.01  | 0.24 | 0.05 | 0.005 | 0.03 | 4971  |
| 336921 | 38  | 9   | 80  | 0.2 | 34  | 72   | 0.5 | 4   | 24 | 1.76 | 3  | 10 | 2  | 2  | 16  | 1  | 1 | 3   | 1  | 11 | 163  | 0.04  | 0.005 | 0.43 | 0.01 | 0.005 | 0.01 | 10515 |
| 336922 | 36  | 14  | 75  | 0.2 | 26  | 79   | 0.5 | 3   | 17 | 1.21 | 4  | 10 | 2  | 2  | 14  | 1  | 1 | 5   | 1  | 10 | 94   | 0.01  | 0.005 | 0.22 | 0.01 | 0.02  | 0.03 | 9032  |
| 336923 | 21  | 6   | 54  | 0.5 | 6   | 276  | 1   | 1   | 7  | 0.51 | 4  | 8  | 2  | 2  | 9   | 1  | 1 | 19  | 1  | 5  | 75   | 0.03  | 0.005 | 0.37 | 0.19 | 0.03  | 0.03 | 3654  |
| 336924 | 63  | 43  | 207 | 0.7 | 18  | 646  | 0.5 | 9   | 47 | 1.81 | 4  | 47 | 2  | 2  | 12  | 1  | 1 | 20  | 9  | 5  | 829  | 0.34  | 0.005 | 0.41 | 0.13 | 0.03  | 0.04 | 4375  |
| 336925 | 32  | 64  | 251 | 0.7 | 17  | 338  | 2   | 6   | 31 | 1.52 | 6  | 2  | 6  | 2  | 2   | 1  | 1 | 16  | 11 | 7  | 1704 | 0.04  | 0.005 | 0.34 | 0.1  | 0.005 | 0.02 | 9651  |
| 336926 | 23  | 73  | 205 | 0.8 | 22  | 306  | 1   | 2   | 17 | 1.77 | 9  | 5  | 2  | 2  | 21  | 1  | 1 | 71  | 2  | 5  | 96   | 0.005 | 0.005 | 0.46 | 0.06 | 0.02  | 0.04 | 6585  |
| 336927 | 88  | 33  | 235 | 1.7 | 114 | 820  | 5   | 11  | 42 | 3.51 | 4  | 8  | 2  | 10 | 29  | 1  | 1 | 77  | 4  | 8  | 1565 | 0.03  | 0.005 | 0.55 | 0.08 | 0.02  | 0.07 | 17542 |
| 336928 | 53  | 53  | 113 | 1.1 | 118 | 163  | 0.5 | 4   | 18 | 2.19 | 6  | 4  | 2  | 8  | 27  | 1  | 1 | 58  | 2  | 7  | 43   | 0.005 | 0.005 | 0.48 | 0.04 | 0.03  | 0.19 | 2123  |
| 336929 | 81  | 36  | 122 | 1.3 | 31  | 286  | 3   | 6   | 27 | 1.78 | 6  | 5  | 2  | 2  | 21  | 1  | 1 | 38  | 5  | 4  | 166  | 0.02  | 0.005 | 0.36 | 0.09 | 0.03  | 0.05 | 3194  |
| 336930 | 79  | 37  | 47  | 1.4 | 22  | 223  | 0.5 | 1   | 6  | 0.56 | 7  | 2  | 2  | 2  | 13  | 1  | 1 | 37  | 3  | 4  | 14   | 0.01  | 0.005 | 0.28 | 0.06 | 0.03  | 0.04 | 2452  |
| 336931 | 236 | 2   | 60  | 0.5 | 8   | 117  | 3   | 0.5 | 21 | 0.27 | 22 | 2  | 2  | 2  | 20  | 1  | 1 | 122 | 14 | 2  | 11   | 0.16  | 0.005 | 0.14 | 2.36 | 0.03  | 0.03 | 283   |
| 336932 | 488 | 43  | 260 | 2.3 | 83  | 1180 | 6   | 21  | 57 | 2.32 | 32 | 26 | 5  | 15 | 68  | 1  | 1 | 244 | 23 | 8  | 727  | 0.22  | 0.005 | 0.75 | 0.83 | 0.03  | 0.11 | 3900  |
| 336933 | 64  | 29  | 125 | 0.9 | 56  | 354  | 0.5 | 4   | 24 | 1.54 | 8  | 23 | 2  | 5  | 34  | 1  | 1 | 94  | 5  | 7  | 160  | 0.22  | 0.005 | 0.5  | 0.2  | 0.005 | 0.07 | 4237  |
| 336934 | 62  | 28  | 130 | 0.9 | 52  | 562  | 0.5 | 4   | 22 | 1.8  | 11 | 12 | 2  | 2  | 33  | 1  | 1 | 143 | 8  | 6  | 143  | 0.1   | 0.005 | 0.35 | 0.14 | 0.005 | 0.08 | 4645  |
| 336935 | 53  | 26  | 119 | 1   | 37  | 407  | 1   | 3   | 24 | 1.69 | 8  | 18 | 2  | 2  | 29  | 1  | 1 | 94  | 7  | 5  | 98   | 0.17  | 0.005 | 0.43 | 0.12 | 0.005 | 0.06 | 3990  |
| 336936 | 10  | 2   | 28  | 0.2 | 4   | 49   | 0.5 | 3   | 4  | 1.61 | 3  | 7  | 2  | 2  | 16  | 1  | 1 | 4   | 7  | 11 | 234  | 0.36  | 0.04  | 0.69 | 0.12 | 0.005 | 0.23 | 0     |
| 358218 | 42  | 13  | 118 | 0.2 | 24  | 317  | 0.5 | 12  | 53 | 2.48 | 4  | 40 | 2  | 2  | 38  | 1  | 1 | 34  | 14 | 21 | 574  | 0.73  | 0.02  | 1.16 | 0.7  | 0.01  | 0.1  | 1181  |
| 358219 | 39  | 10  | 117 | 0.2 | 27  | 309  | 1   | 11  | 40 | 2.54 | 5  | 36 | 2  | 6  | 35  | 1  | 1 | 40  | 11 | 17 | 456  | 0.61  | 0.01  | 1.18 | 0.74 | 0.005 | 0.06 | 2198  |
| 358220 | 48  | 13  | 98  | 0.2 | 29  | 264  | 1   | 13  | 49 | 2.49 | 6  | 35 | 2  | 2  | 34  | 1  | 1 | 37  | 13 | 16 | 310  | 0.64  | 0.01  | 1.11 | 0.72 | 0.005 | 0.07 | 1153  |
| 358221 | 38  | 9   | 93  | 0.2 | 28  | 169  | 0.5 | 9   | 42 | 2.76 | 6  | 36 | 2  | 2  | 41  | 1  | 1 | 28  | 15 | 20 | 254  | 0.82  | 0.02  | 1.25 | 0.56 | 0.01  | 0.07 | 1274  |

| Field  | Cu  | Pb | Zn  | Ag  | As  | Ba   | Cd  | Co | Ni | Fe   | Mo | Cr | Bi | Sb | V  | Sn | W | Sr  | Y  | La  | Mn   | Mg   | Ti    | Al   | Ca   | Na    | K    | BaXR |
|--------|-----|----|-----|-----|-----|------|-----|----|----|------|----|----|----|----|----|----|---|-----|----|-----|------|------|-------|------|------|-------|------|------|
| 358222 | 49  | 13 | 110 | 0.4 | 35  | 314  | 0.5 | 11 | 52 | 2.59 | 4  | 38 | 2  | 8  | 35 | 1  | 1 | 60  | 15 | 16  | 443  | 0.87 | 0.01  | 1.27 | 1.57 | 0.01  | 0.17 | 583  |
| 358223 | 25  | 7  | 198 | 0.2 | 157 | 432  | 2   | 18 | 76 | 6.59 | 4  | 36 | 2  | 2  | 28 | 1  | 1 | 70  | 10 | 13  | 5506 | 0.64 | 0.02  | 0.94 | 1.42 | 0.01  | 0.1  | 454  |
| 358224 | 70  | 13 | 100 | 0.4 | 44  | 217  | 1   | 14 | 52 | 3.13 | 6  | 31 | 2  | 2  | 30 | 1  | 1 | 47  | 14 | 21  | 667  | 0.76 | 0.01  | 0.85 | 1.05 | 0.005 | 0.06 | 1706 |
| 358225 | 89  | 17 | 137 | 0.7 | 67  | 247  | 2   | 20 | 67 | 3.98 | 6  | 33 | 2  | 2  | 34 | 1  | 1 | 52  | 16 | 19  | 928  | 0.59 | 0.01  | 0.92 | 1.12 | 0.005 | 0.06 | 1298 |
| 358226 | 53  | 13 | 121 | 0.2 | 49  | 336  | 1   | 16 | 45 | 3.75 | 5  | 30 | 2  | 2  | 30 | 1  | 1 | 43  | 14 | 17  | 887  | 0.53 | 0.005 | 1.06 | 0.86 | 0.005 | 0.07 | 1317 |
| 358227 | 56  | 8  | 90  | 0.4 | 26  | 278  | 1   | 10 | 46 | 2.53 | 8  | 28 | 2  | 2  | 28 | 1  | 1 | 50  | 16 | 19  | 549  | 0.49 | 0.01  | 0.87 | 0.91 | 0.005 | 0.08 | 1412 |
| 358228 | 49  | 11 | 92  | 0.2 | 43  | 287  | 0.5 | 12 | 38 | 3.16 | 6  | 31 | 2  | 2  | 38 | 1  | 1 | 40  | 12 | 17  | 246  | 0.65 | 0.01  | 1.32 | 0.7  | 0.005 | 0.09 | 1950 |
| 358229 | 30  | 9  | 82  | 0.4 | 27  | 231  | 0.5 | 8  | 27 | 2.32 | 5  | 26 | 2  | 2  | 27 | 1  | 1 | 52  | 9  | 14  | 390  | 0.5  | 0.005 | 1.02 | 0.93 | 0.01  | 0.1  | 1125 |
| 358230 | 39  | 9  | 92  | 0.6 | 27  | 231  | 0.5 | 10 | 36 | 2.42 | 6  | 30 | 2  | 2  | 30 | 1  | 1 | 39  | 11 | 17  | 414  | 0.55 | 0.005 | 1.02 | 0.54 | 0.005 | 0.08 | 1781 |
| 358231 | 42  | 12 | 93  | 0.2 | 8   | 262  | 0.5 | 10 | 39 | 2.54 | 6  | 33 | 2  | 2  | 32 | 1  | 1 | 35  | 12 | 20  | 299  | 0.58 | 0.01  | 1.05 | 0.48 | 0.005 | 0.07 | 1665 |
| 358232 | 47  | 10 | 84  | 0.5 | 5   | 482  | 0.5 | 10 | 38 | 2.65 | 6  | 33 | 2  | 7  | 38 | 1  | 1 | 59  | 12 | 15  | 324  | 0.55 | 0.005 | 1.06 | 0.82 | 0.005 | 0.06 | 1538 |
| 358233 | 48  | 11 | 109 | 0.5 | 25  | 267  | 1   | 13 | 74 | 2.8  | 6  | 50 | 2  | 2  | 45 | 1  | 1 | 35  | 14 | 22  | 879  | 0.82 | 0.03  | 1.16 | 0.48 | 0.005 | 0.11 | 1160 |
| 358234 | 42  | 10 | 101 | 0.4 | 3   | 442  | 1   | 13 | 55 | 2.78 | 3  | 45 | 2  | 9  | 34 | 1  | 1 | 55  | 13 | 18  | 817  | 0.66 | 0.02  | 1.19 | 0.98 | 0.03  | 0.07 | 1331 |
| 358235 | 40  | 7  | 100 | 0.2 | 31  | 543  | 1   | 15 | 56 | 2.81 | 4  | 43 | 2  | 9  | 31 | 1  | 1 | 58  | 11 | 12  | 1025 | 0.55 | 0.02  | 1.13 | 0.99 | 0.04  | 0.07 | 920  |
| 358236 | 50  | 7  | 69  | 0.2 | 20  | 522  | 0.5 | 8  | 49 | 2.43 | 4  | 44 | 2  | 2  | 35 | 1  | 1 | 67  | 17 | 20  | 526  | 0.59 | 0.02  | 1.2  | 1.53 | 0.03  | 0.08 | 1148 |
| 358237 | 43  | 6  | 100 | 0.2 | 14  | 447  | 1   | 7  | 39 | 1.7  | 4  | 28 | 2  | 2  | 19 | 1  | 1 | 90  | 9  | 10  | 965  | 0.43 | 0.01  | 0.88 | 2.3  | 0.01  | 0.1  | 1590 |
| 358238 | 45  | 5  | 113 | 0.2 | 9   | 393  | 0.5 | 7  | 39 | 2.08 | 4  | 28 | 2  | 2  | 24 | 1  | 1 | 61  | 10 | 12  | 516  | 0.48 | 0.005 | 1.08 | 1.42 | 0.02  | 0.11 | 1814 |
| 358239 | 53  | 5  | 77  | 0.2 | 22  | 430  | 1   | 7  | 39 | 1.55 | 4  | 20 | 2  | 6  | 16 | 1  | 1 | 128 | 10 | 8   | 1036 | 0.4  | 0.005 | 0.74 | 2.94 | 0.05  | 0.08 | 2047 |
| 358240 | 102 | 17 | 114 | 0.2 | 42  | 497  | 1   | 10 | 58 | 2.7  | 4  | 41 | 2  | 2  | 37 | 1  | 1 | 97  | 35 | 19  | 617  | 0.64 | 0.01  | 1.11 | 2.31 | 0.03  | 0.11 | 1507 |
| 358241 | 50  | 6  | 32  | 0.4 | 11  | 1036 | 0.5 | 5  | 20 | 1.63 | 3  | 15 | 2  | 7  | 18 | 1  | 1 | 94  | 8  | 6   | 546  | 0.22 | 0.005 | 0.71 | 3.06 | 0.005 | 0.05 | 1538 |
| 358242 | 25  | 4  | 27  | 0.2 | 5   | 571  | 0.5 | 3  | 15 | 0.73 | 1  | 11 | 2  | 12 | 10 | 1  | 1 | 109 | 5  | 7   | 222  | 0.24 | 0.005 | 0.56 | 2.69 | 0.02  | 0.04 | 1992 |
| 358243 | 37  | 15 | 95  | 0.2 | 27  | 320  | 0.5 | 8  | 35 | 2.2  | 2  | 34 | 2  | 2  | 33 | 1  | 1 | 37  | 17 | 17  | 140  | 0.58 | 0.01  | 1.03 | 0.78 | 0.01  | 0.12 | 2575 |
| 358244 | 48  | 21 | 42  | 0.2 | 12  | 1086 | 0.5 | 5  | 15 | 1.41 | 9  | 19 | 2  | 2  | 18 | 1  | 1 | 45  | 60 | 142 | 433  | 0.19 | 0.005 | 0.99 | 1.16 | 0.005 | 0.09 | 2641 |
| 358245 | 35  | 18 | 96  | 0.2 | 11  | 319  | 0.5 | 8  | 33 | 2.37 | 3  | 30 | 2  | 8  | 26 | 1  | 1 | 36  | 15 | 24  | 481  | 0.54 | 0.005 | 0.94 | 0.72 | 0.005 | 0.12 | 2723 |
| 358246 | 35  | 9  | 75  | 0.2 | 18  | 486  | 0.5 | 5  | 28 | 1.55 | 2  | 22 | 5  | 2  | 17 | 1  | 1 | 97  | 10 | 12  | 634  | 0.35 | 0.005 | 0.78 | 2.33 | 0.02  | 0.09 | 2713 |
| 358247 | 50  | 15 | 124 | 0.5 | 1   | 347  | 1   | 6  | 54 | 1.95 | 6  | 32 | 5  | 9  | 17 | 1  | 1 | 104 | 15 | 12  | 335  | 0.5  | 0.005 | 0.78 | 2.18 | 0.01  | 0.11 | 2689 |
| 358248 | 47  | 16 | 114 | 0.2 | 29  | 253  | 0.5 | 9  | 48 | 2.86 | 8  | 49 | 2  | 2  | 33 | 1  | 1 | 41  | 18 | 25  | 470  | 0.8  | 0.005 | 1.16 | 0.6  | 0.005 | 0.11 | 1772 |
| 358249 | 38  | 7  | 78  | 0.2 | 24  | 421  | 0.5 | 3  | 22 | 1.27 | 2  | 18 | 2  | 2  | 14 | 1  | 1 | 117 | 14 | 14  | 275  | 0.37 | 0.005 | 0.82 | 2.05 | 0.04  | 0.08 | 676  |
| 358250 | 33  | 17 | 69  | 0.2 | 4   | 262  | 0.5 | 12 | 30 | 2.83 | 4  | 37 | 2  | 2  | 36 | 1  | 1 | 28  | 6  | 17  | 490  | 1.16 | 0.01  | 1.4  | 0.36 | 0.005 | 0.09 | 923  |
| 358252 | 28  | 9  | 79  | 0.2 | 4   | 198  | 0.5 | 8  | 34 | 2.35 | 5  | 29 | 5  | 5  | 36 | 1  | 1 | 23  | 10 | 21  | 231  | 0.62 | 0.01  | 0.95 | 0.34 | 0.005 | 0.07 | 812  |
| 358253 | 30  | 17 | 117 | 0.2 | 13  | 253  | 0.5 | 10 | 31 | 2.54 | 4  | 26 | 2  | 2  | 22 | 1  | 1 | 55  | 12 | 21  | 1389 | 0.56 | 0.005 | 1.03 | 1.2  | 0.005 | 0.12 | 1448 |
| 358254 | 16  | 10 | 47  | 0.2 | 2   | 203  | 0.5 | 5  | 15 | 1.49 | 2  | 20 | 2  | 2  | 14 | 1  | 1 | 25  | 12 | 26  | 232  | 0.48 | 0.005 | 0.92 | 0.37 | 0.02  | 0.13 | 2572 |
| 358255 | 60  | 16 | 71  | 0.2 | 3   | 317  | 0.5 | 8  | 29 | 2.47 | 4  | 33 | 2  | 2  | 27 | 1  | 1 | 65  | 20 | 26  | 362  | 0.69 | 0.005 | 1.09 | 1.29 | 0.03  | 0.15 | 1649 |
| 358256 | 33  | 30 | 65  | 0.2 | 27  | 396  | 0.5 | 12 | 21 | 2.9  | 5  | 35 | 2  | 5  | 31 | 1  | 1 | 22  | 9  | 22  | 493  | 1.09 | 0.03  | 1.53 | 0.34 | 0.005 | 0.09 | 865  |
| 358257 | 25  | 13 | 63  | 0.2 | 12  | 233  | 0.5 | 7  | 23 | 2.03 | 4  | 23 | 2  | 2  | 20 | 1  | 1 | 72  | 9  | 17  | 483  | 0.47 | 0.005 | 0.96 | 1.53 | 0.01  | 0.12 | 706  |

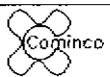


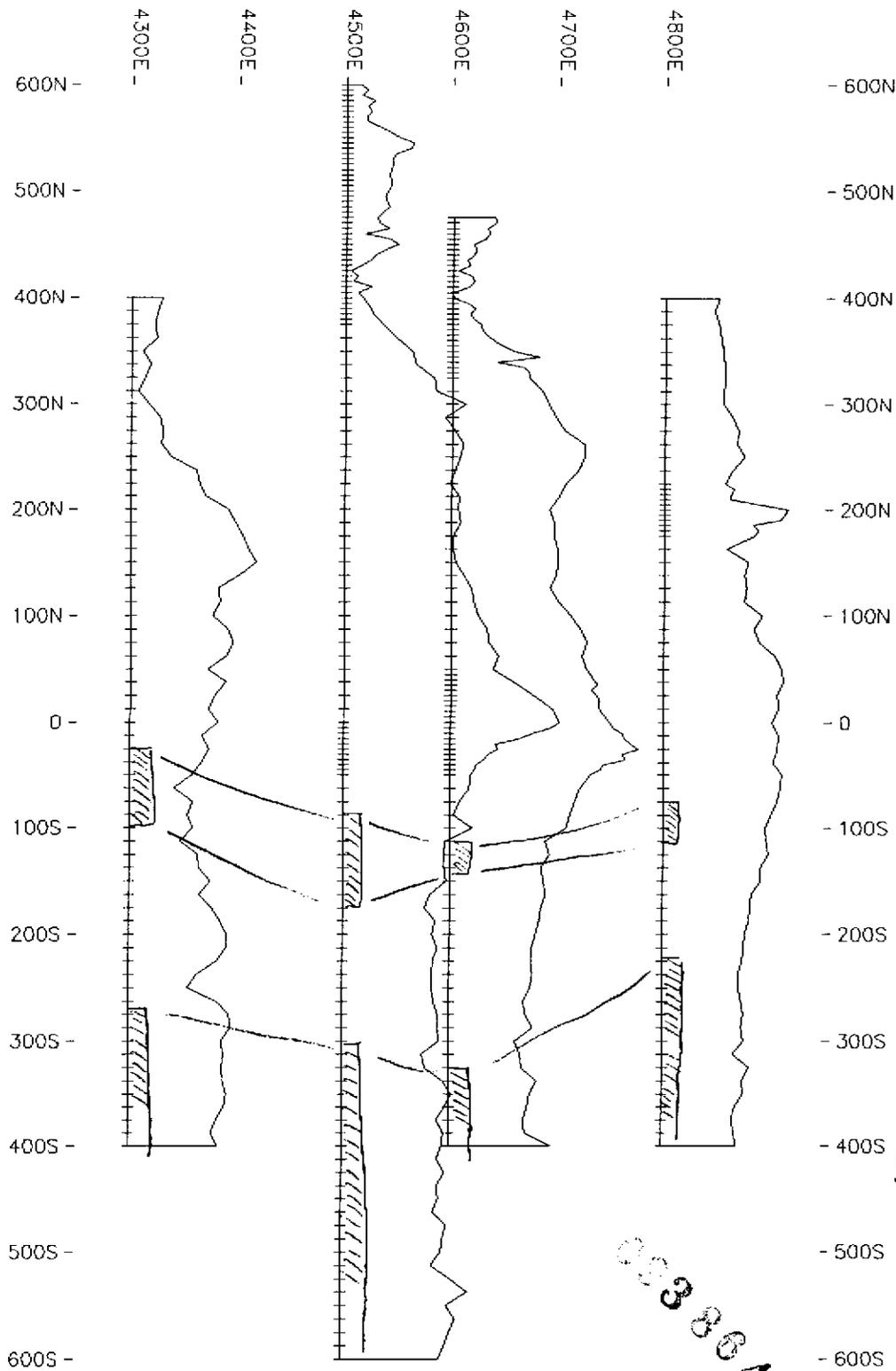
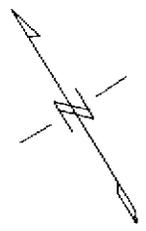
003 864



VERTICAL SCALE: 1cm = 40%

OUT OF PHASE -----  
IN PHASE \_\_\_\_\_

|                     |       |                 |       |  |             |
|---------------------|-------|-----------------|-------|--|-------------|
| COMINCO EXPLORATION |       |                 |       |                         | NTS<br>105G |
| Drawn by:           |       | Traced by:      |       | PELLY MOUNTAIN PROPERTIES<br>WOL-10, GRID<br>HORIZONTAL LOOP EM SURVEY: 3520 Hz.<br>. 100 metre coil spacing |             |
| Revised by:         | Date: | Revised by:     | Date: |  |             |
|                     |       |                 |       |  |             |
|                     |       |                 |       |  |             |
|                     |       |                 |       |  |             |
| Scale: as shown     |       | Date: JULY 1997 |       | Plate: 10  |             |

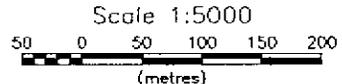
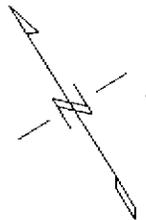
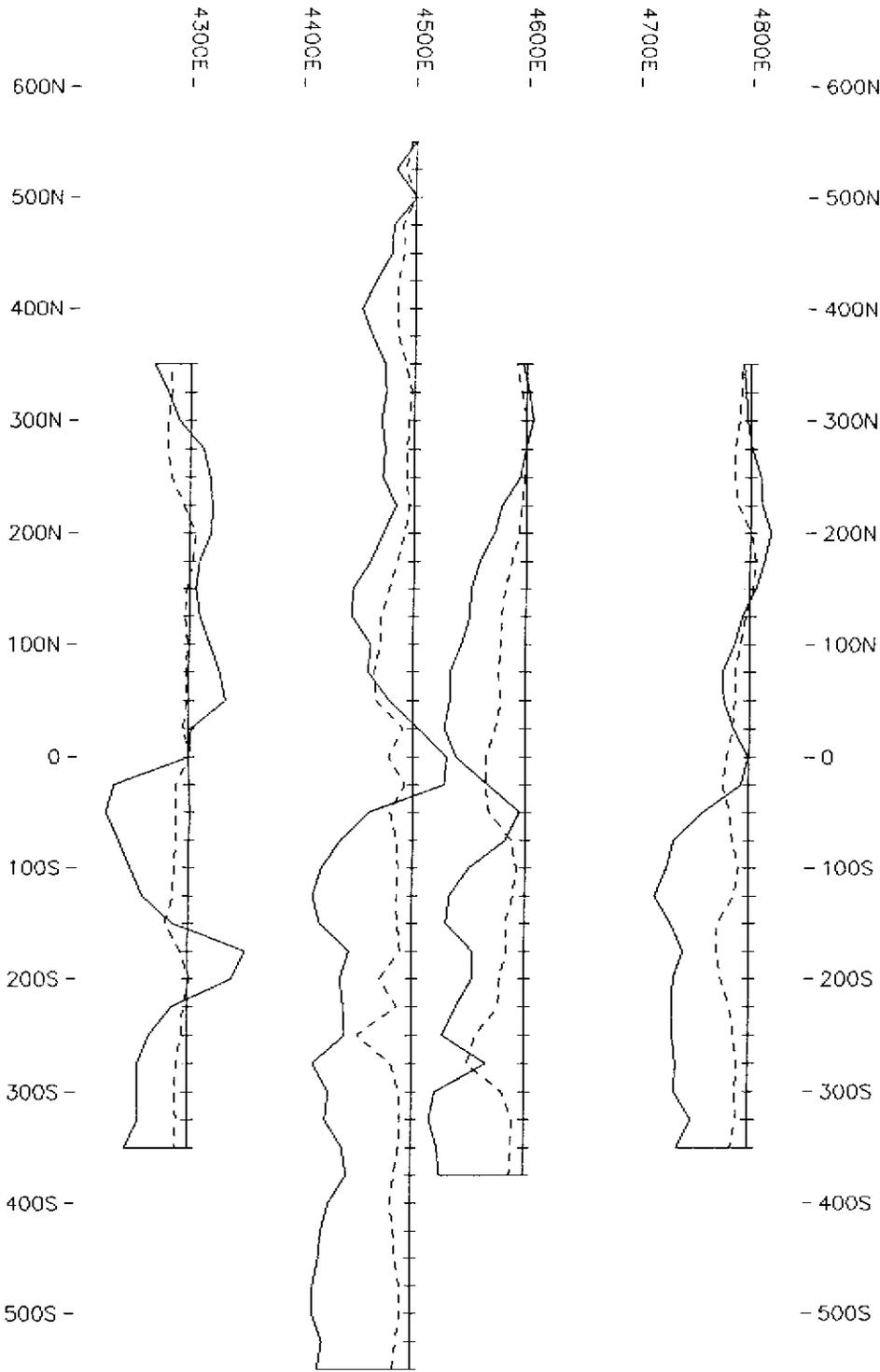


MAGNETIC BASE = 58400 nT  
 Vert. Scale  
 1cm = 100 nT



033864

|                     |       |             |       |  |             |
|---------------------|-------|-------------|-------|--|-------------|
| COMINCO EXPLORATION |       |             |       |  | NTS<br>1056 |
| Drawn by:           |       | Traced by:  |       | PELLY MTN PROPERTIES<br>WOL-10 GRID<br>TOTAL FIELD MAGNETICS SURVEY        |             |
| Revised by:         | Date: | Revised by: | Date: |  |             |
|                     |       |             |       | Scale:                      Date: JUNE 1997                      Plate: 11 |             |
|                     |       |             |       |  |             |
|                     |       |             |       |  |             |
|                     |       |             |       |  |             |

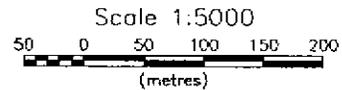
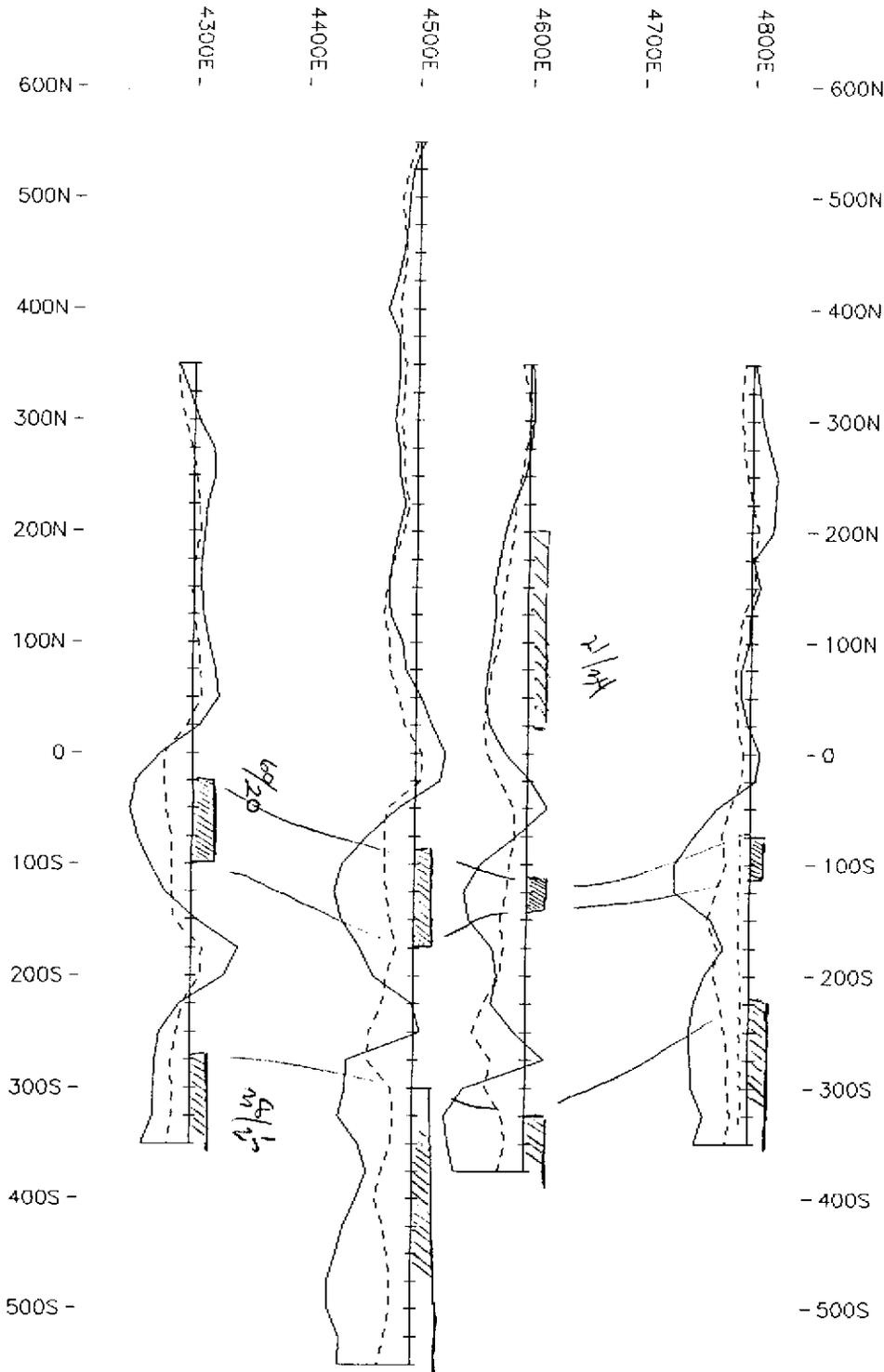


VERTICAL SCALE: 1cm = 40%

OUT OF PHASE -----  
IN PHASE \_\_\_\_\_

|                            |       |                 |       |   |
|----------------------------|-------|-----------------|-------|---|
| <b>COMINCO EXPLORATION</b> |       |                 |       | <b>NTS 105G</b>   |
| Drawn by:                  |       | Traced by:      |       | <b>PELLY MOUNTAIN PROPERTIES</b><br><b>WOL-10 GRID</b><br><b>HORIZONTAL LOOP EM SURVEY: 1760 Hz.</b><br><b>100 metre coil spacing</b> |
| Revised by:                | Date: | Revised by:     | Date: |   |
|                            |       |                 |       |   |
|                            |       |                 |       |   |
|                            |       |                 |       |   |
|                            |       |                 |       |   |
| Scale: as shown            |       | Date: JULY 1997 |       | Plate: <b>9</b>   |

002864

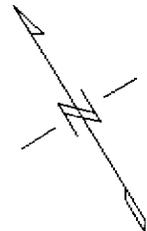
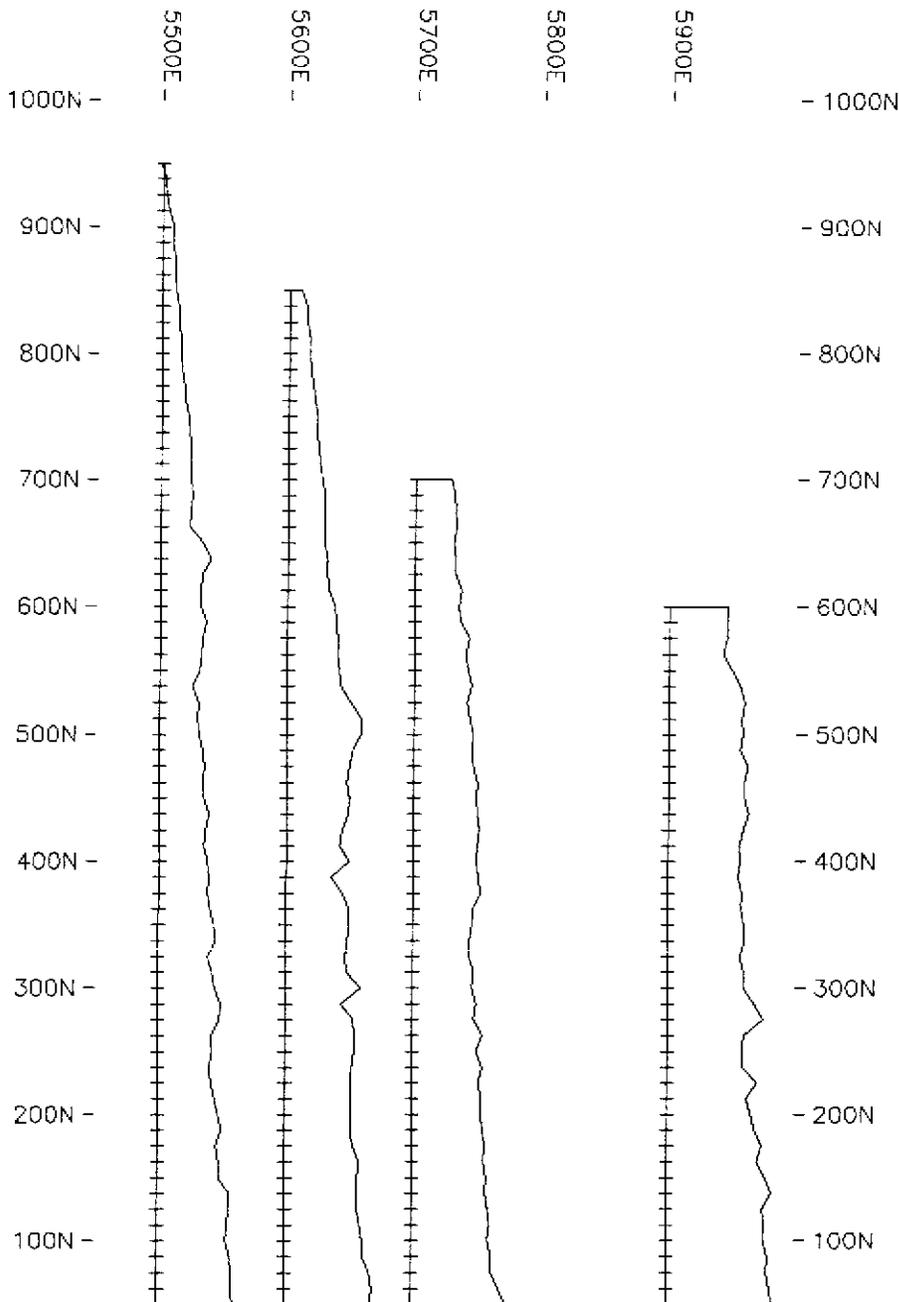


VERTICAL SCALE: 1cm = 40%

OUT OF PHASE - - - - -  
IN PHASE - - - - -

|                            |       |                 |       |   |
|----------------------------|-------|-----------------|-------|---|
| <b>COMINCO EXPLORATION</b> |       |                 |       | NTS 1056  |
| Drawn by:                  |       | Traced by:      |       | <b>PELLY MOUNTAIN PROPERTIES</b><br><b>WOL- 10 GRID</b><br><b>HORIZONTAL LOOP EM SURVEY: 440 Hz.</b><br><b>100 metre coil spacing</b> |
| Revised by:                | Date: | Revised by:     | Date: |   |
|                            |       |                 |       |   |
|                            |       |                 |       |   |
|                            |       |                 |       |   |
| Scale: as shown            |       | Date: JULY 1997 |       | Plate: 8  |

3386



MAGNETIC BASE = 58500 nT  
 Vert. Scale  
 1cm = 50 nT



# COMINCO EXPLORATION



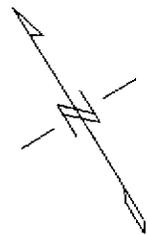
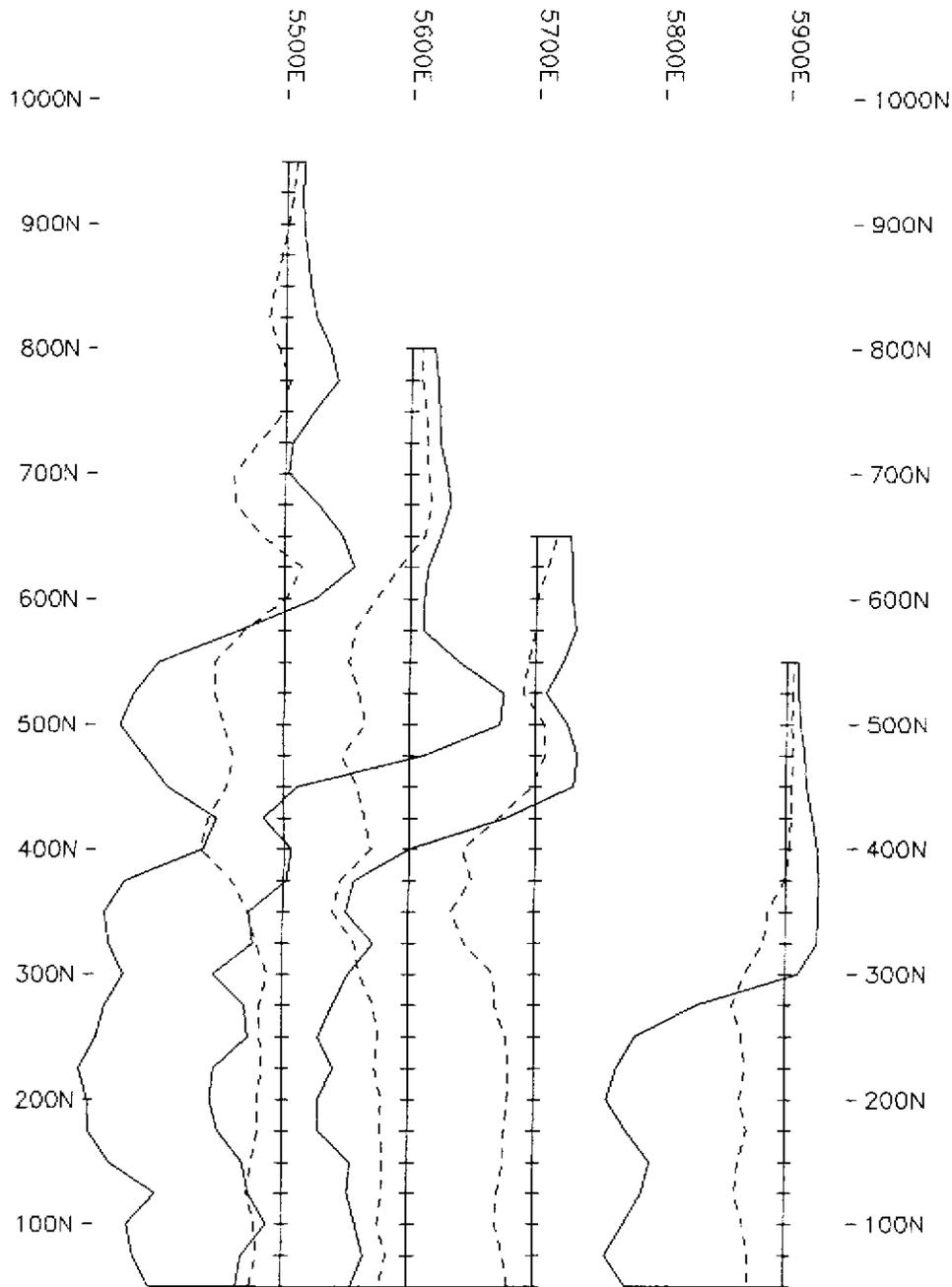
NTS  
 105G

|             |       |             |       |
|-------------|-------|-------------|-------|
| Drawn by:   |       | Traced by:  |       |
| Revised by: | Date: | Revised by: | Date: |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |

PELLEY MTN PROPERTIES  
 WOL- 8 GRID  
 TOTAL FIELD MAGNETICS SURVEY

Scale: Date: JULY 1997 Plate: 7

093 364



VERTICAL SCALE:  
1cm = 20%

OUT OF PHASE - - - - -  
IN PHASE - - - - -

Scale 1:5000  
50 0 50 100 150  
(metres)

# COMINCO EXPLORATION

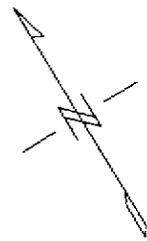
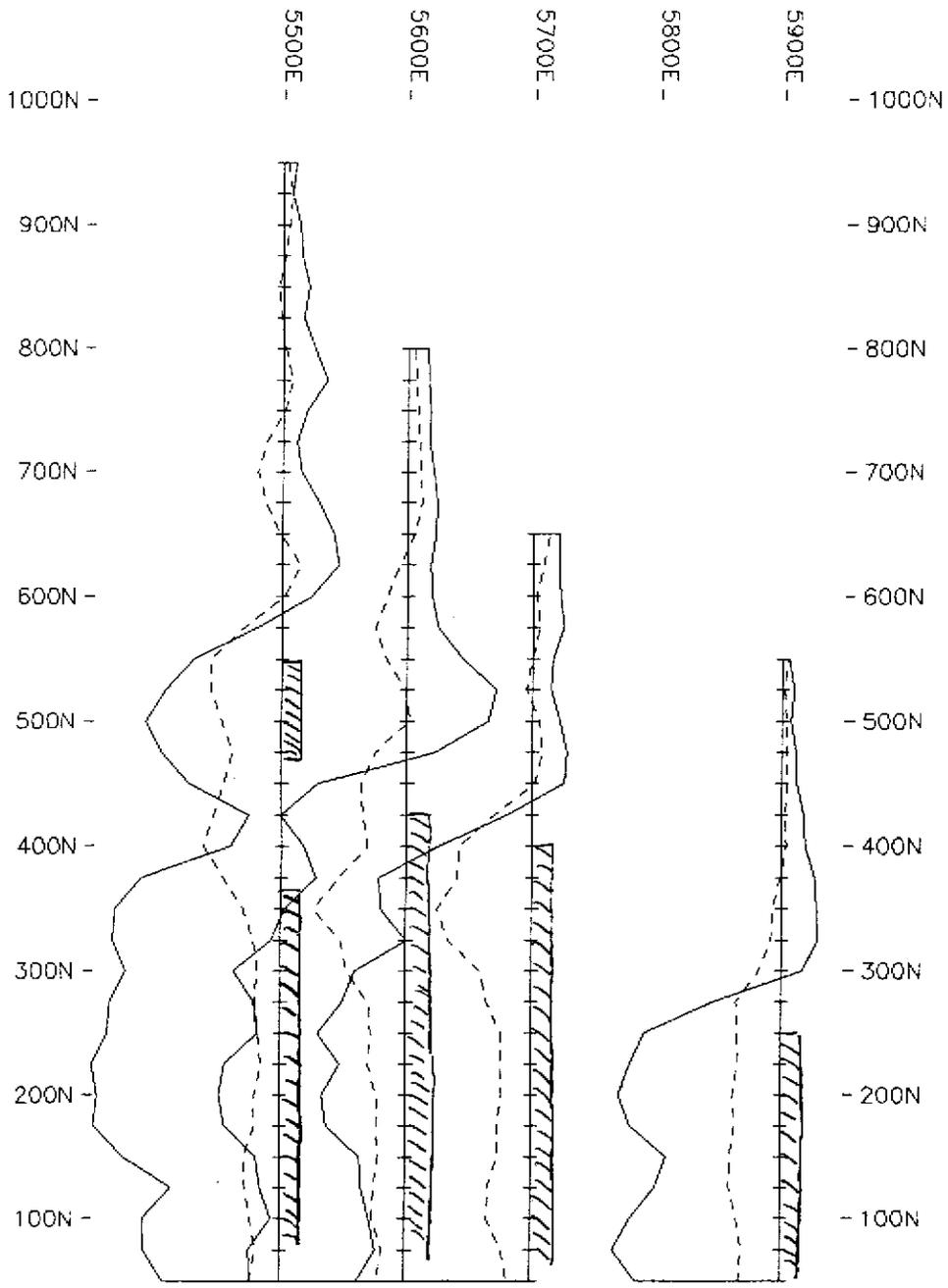


NTS  
1056

|             |       |             |       |
|-------------|-------|-------------|-------|
| Drawn by:   |       | Traced by:  |       |
| Revised by: | Date: | Revised by: | Date: |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |

PELLY MOUNTAIN PROPERTIES  
WOL- 8 GRID  
HORIZONTAL LOOP EM SURVEY: 3520 Hz.  
100 metre coil spacing  
Scale: as shown      Date: JULY 1997      Plate: 6

093 864



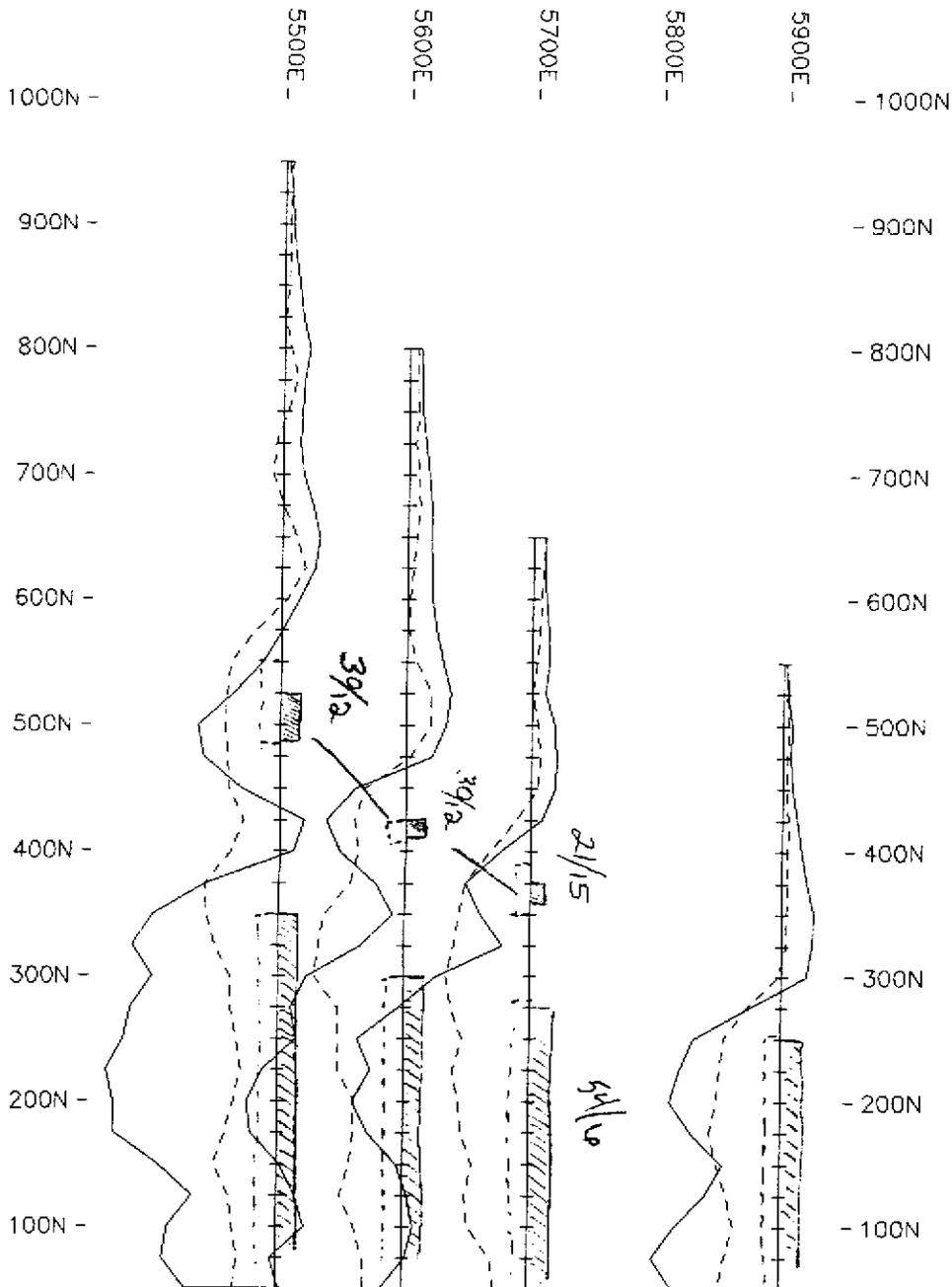
VERTICAL SCALE:  
1cm = 20%

OUT OF PHASE -----  
IN PHASE \_\_\_\_\_

Scale 1:5000  
50 0 50 100 150  
(metres)

|                     |       |                 |       |   |             |
|---------------------|-------|-----------------|-------|---|-------------|
| COMINCO EXPLORATION |       |                 |       |                      | NTS<br>1056 |
| Drawn by:           |       | Traced by:      |       | PELLY MOUNTAIN PROPERTIES<br>WOL- 8 GRID<br>HORIZONTAL LOOP EM SURVEY: 1760 Hz.<br>100 metre coil spacing |             |
| Revised by:         | Date: | Revised by:     | Date: |   |             |
|                     |       |                 |       |   |             |
|                     |       |                 |       |   |             |
|                     |       |                 |       |   |             |
|                     |       |                 |       |   |             |
| Scale: as shown     |       | Date: JULY 1997 |       | Plate: 5  |             |

093864



VERTICAL SCALE:  
1cm = 20%

OUT OF PHASE - - - - -  
IN PHASE - - - - -

Scale 1:5000  
50 0 50 100 150  
(metres)

# COMINCO EXPLORATION



NTS  
1056

|             |       |             |       |
|-------------|-------|-------------|-------|
| Drawn by:   |       | Traced by:  |       |
| Revised by: | Date: | Revised by: | Date: |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |
|             |       |             |       |

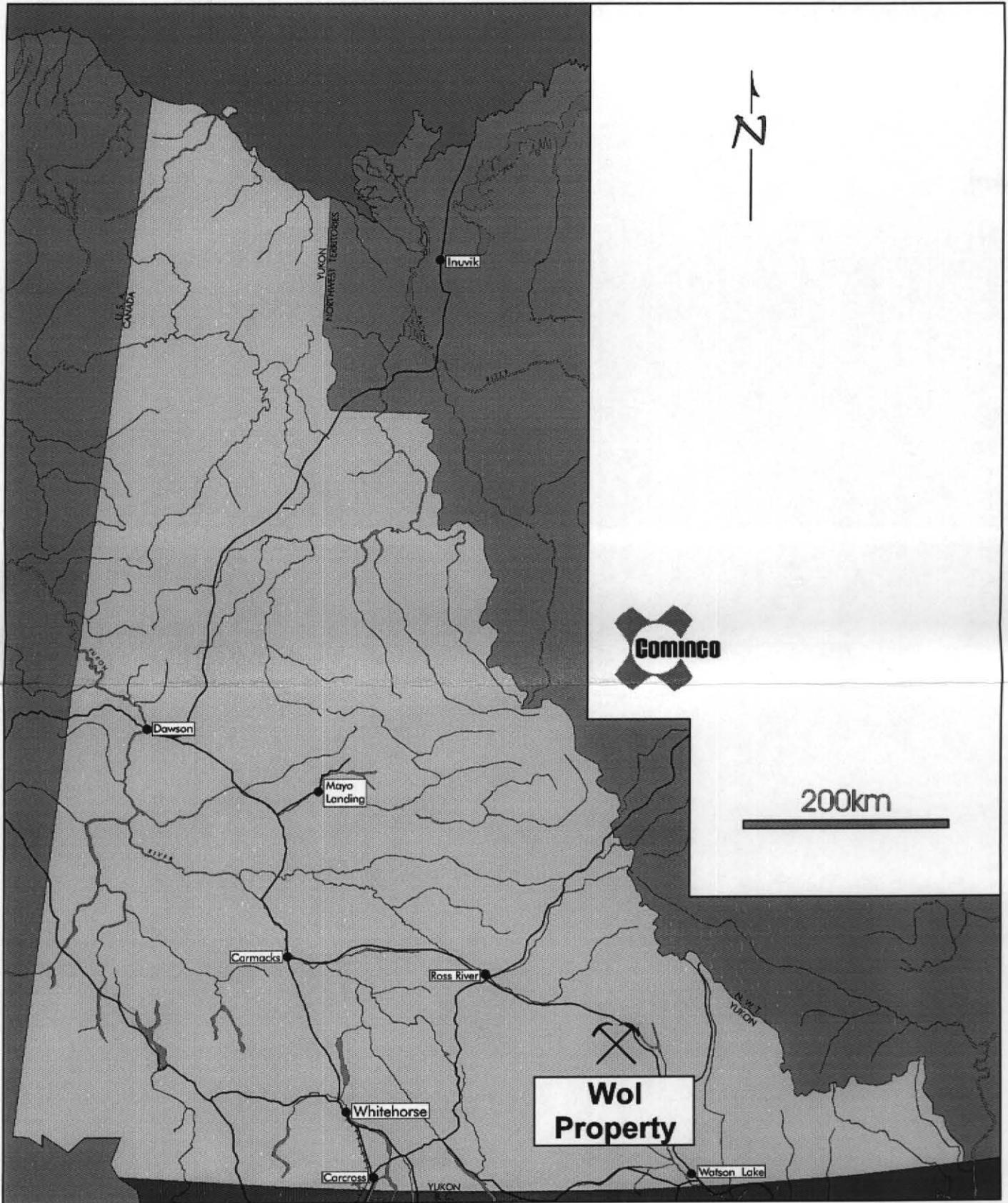
PELLEY MOUNTAIN PROPERTIES  
WOL- 8 GRID  
HORIZONTAL LOOP EM SURVEY: 440 Hz.  
100 metre coil spacing

Scale: as shown

Date: JULY 1997

Plate: 4

093 86.



|             |       |                     |       |
|-------------|-------|---------------------|-------|
| Drawn by:   |       | Traced by: a. n. a. |       |
| Revised by: | Date: | Revised by:         | Date: |
|             |       |                     |       |
|             |       |                     |       |
|             |       |                     |       |
|             |       |                     |       |
|             |       |                     |       |
|             |       |                     |       |

## WOL PROPERTY LOCATION MAP

105 G/8,9

Scale: As Shown

Date: Jan., 1996

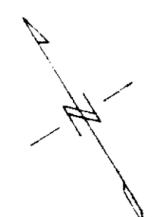
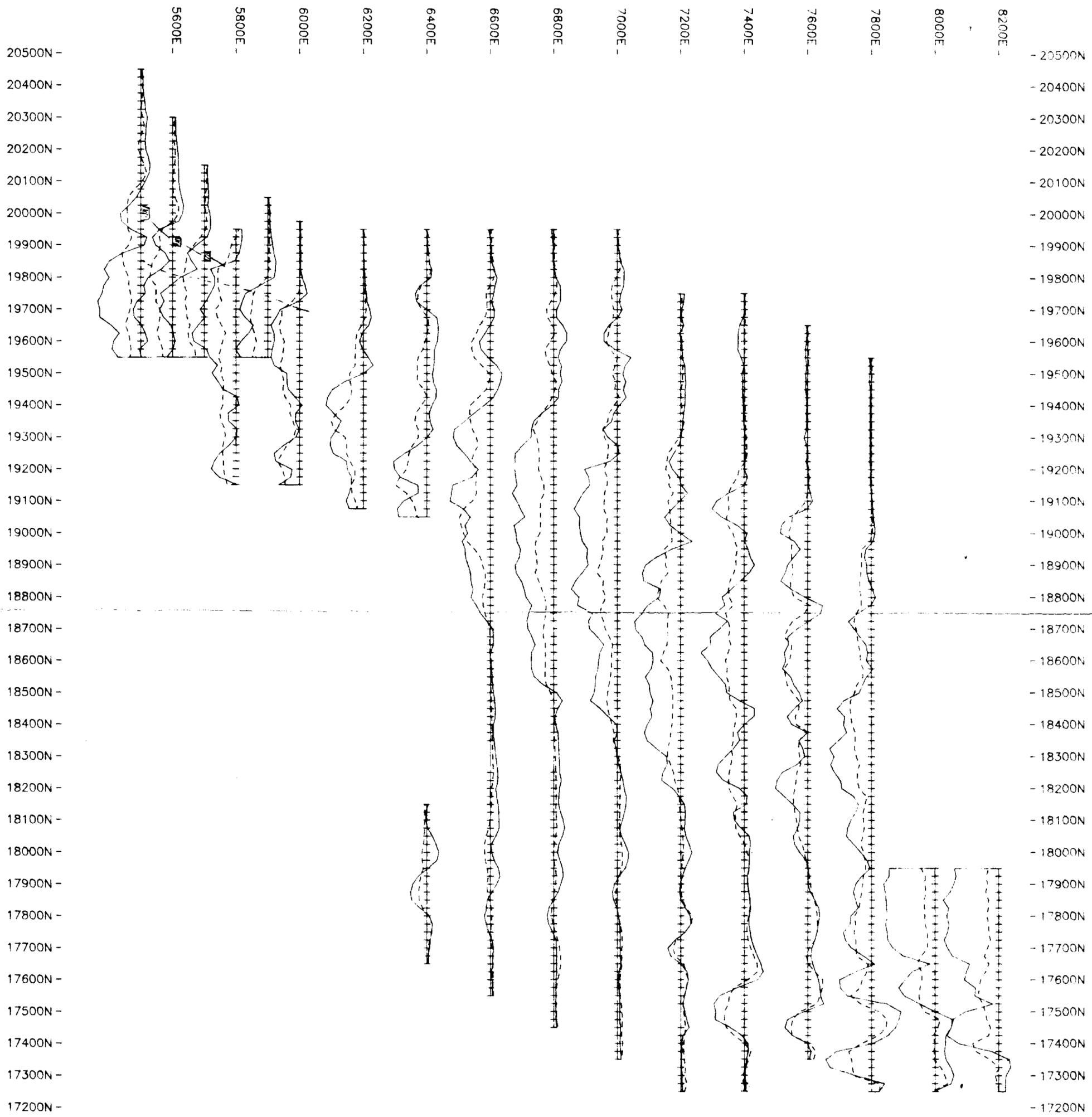
Plate: 1

093864



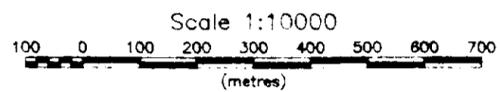
|   |  |   |
|---|--|---|
|  <b>COMINCO LTD.</b>       |  |  |
| WOL Property<br>Yukon Territory<br>1997 Assessment Report<br>Geochemical Sample Locations<br>+- Soils x-- Silts |  |   |
| Date: 20/4/1998   | Author:                                    |   |
| Office: W CAN   | Drawing: 3                                 |   |
| Scale: 1:20000  | Projection: UTM Zone 9 (NAD 27 for Canada) |   |
| 0 250 500 1000<br>metres  |  |   |

*DWB/D*



VERTICAL SCALE:  
1cm = 40%

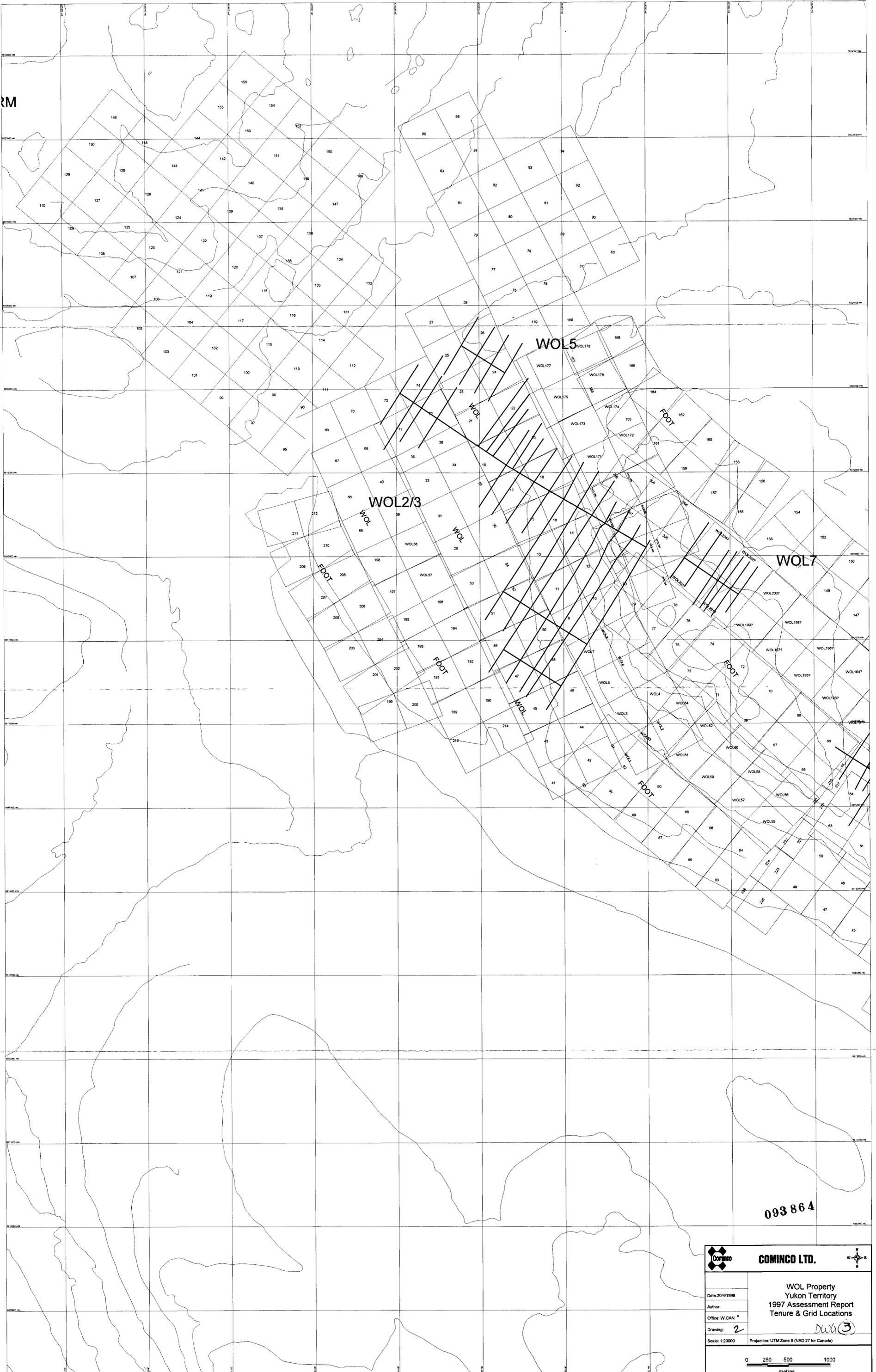
OUT OF PHASE - - - - -  
IN PHASE - - - - -



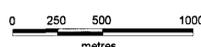
093 864  
Dwh ②

|   |            |             |                 |                |
|---|------------|-------------|-----------------|----------------|
| COMINCO EXPLORATION   |            |             |                 | NTS 1956       |
| PELLY MOUNTAIN PROPERTIES<br>WOLVERINE GRID<br>HORIZONTAL LOOP EM SURVEY: 440 Hz.<br>100 metre coil spacing |            |             |                 |                |
| Drawn by:   | Traced by: |             | Scale: as shown | Date: OCT 1997 |
| Revised by:   | Date:      | Revised by: | Date:           | Plate: 12      |

RM



093 864

|  |  |   |
|--|--|---|
|  <b>COMINCO LTD.</b>      |  | <br>WOL Property<br>Yukon Territory<br>1997 Assessment Report<br>Tenure & Grid Locations |
| Date: 20/4/1998  | Author:                                    |   |
| Office: W.CAN *  | Drawing: 2                                 | DWG 3   |
| Scale: 1:20000   | Projection: UTM Zone 9 (NAD 27 for Canada) |   |
| <br>0 250 500 1000 metres |  |   |