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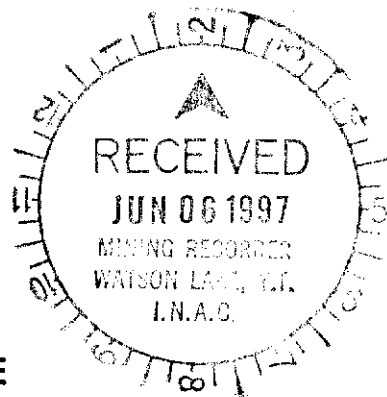
EXPLORATION

WESTERN DISTRICT

NTS 105 A/6

093677

**1996 ASSESSMENT REPORT ON
HOLMES - SA DENA HES JOINT VENTURE**



**LINECUTTING, GEOPHYSICAL SURVEYS, SOIL GEOCHEMISTRY AND
DIAMOND DRILLING**

WATSON LAKE M.D., YUKON

WORK PERIOD

May 25 - November 8, 1996

LATITUDE: 60°25'

LONGITUDE: 129°02'

JANUARY, 1997

**DARREN A. SENFT
DAVE C. HALL**

This report has been examined by
the Geological Evaluation Unit
under Section 53 (4) Yukon Quartz
Mining Act and is allowed as
representation work in the amount
of \$ 140,966.74.

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

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- FIGURE 7a HLEM PROFILES:(100m c.s.) 440 Hz
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**1996 ASSESSMENT REPORT ON
HOLMES - SA DENA HES JOINT VENTURE
YUKON TERRITORY**

1. SUMMARY

The HOLMES-SA DENA HES area of common interest is comprised of 170 claims in the northeast corner of the larger HOLMES property. This area is approximately 40 kms north northwest of Watson Lake along the Robert Campbell Highway.

The HOLMES property was staked in late 1995 and early 1996 following a re-evaluation of government MAG data, RGS lake sediment sampling and assessment data within the 105 A map sheet. This evaluation indicated magnetic trends that could be traced from favourable Yukon Tanana rocks to the north, some anomalous lake sediments, as well as reports of mineralized float with some felsic volcanics in assessment files. Further ground was acquired following an airborne EM/MAG survey completed in late April, 1996.

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). The late Devonian to Triassic SMT comprises a heterogeneous 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(?).

The HOLMES JV property is predominantly underlain by probable late Devonian to mid-Mississippian metasediments and lesser volcanics of the SMT, or possibly late Devonian Earn Group sediments of ancestral North America (Selwyn Basin) affinity, within the Finlayson Lake Fault Zone.

HLEM, MAG, and Gravity geophysical surveys were completed on two grids cut to cover areas identified by airborne surveys as having strong EM and mag. Results indicated two significant geophysical conductors associated with positive gravity on grid HO-96A, which were drill-tested with three holes in late October-November, 1996. These anomalies were explained by thick intersections of graphitic shales and major fault zones in each of the holes. Conductive anomalies on grid HO-96B were not considered for drill-testing due to corresponding negative gravity.

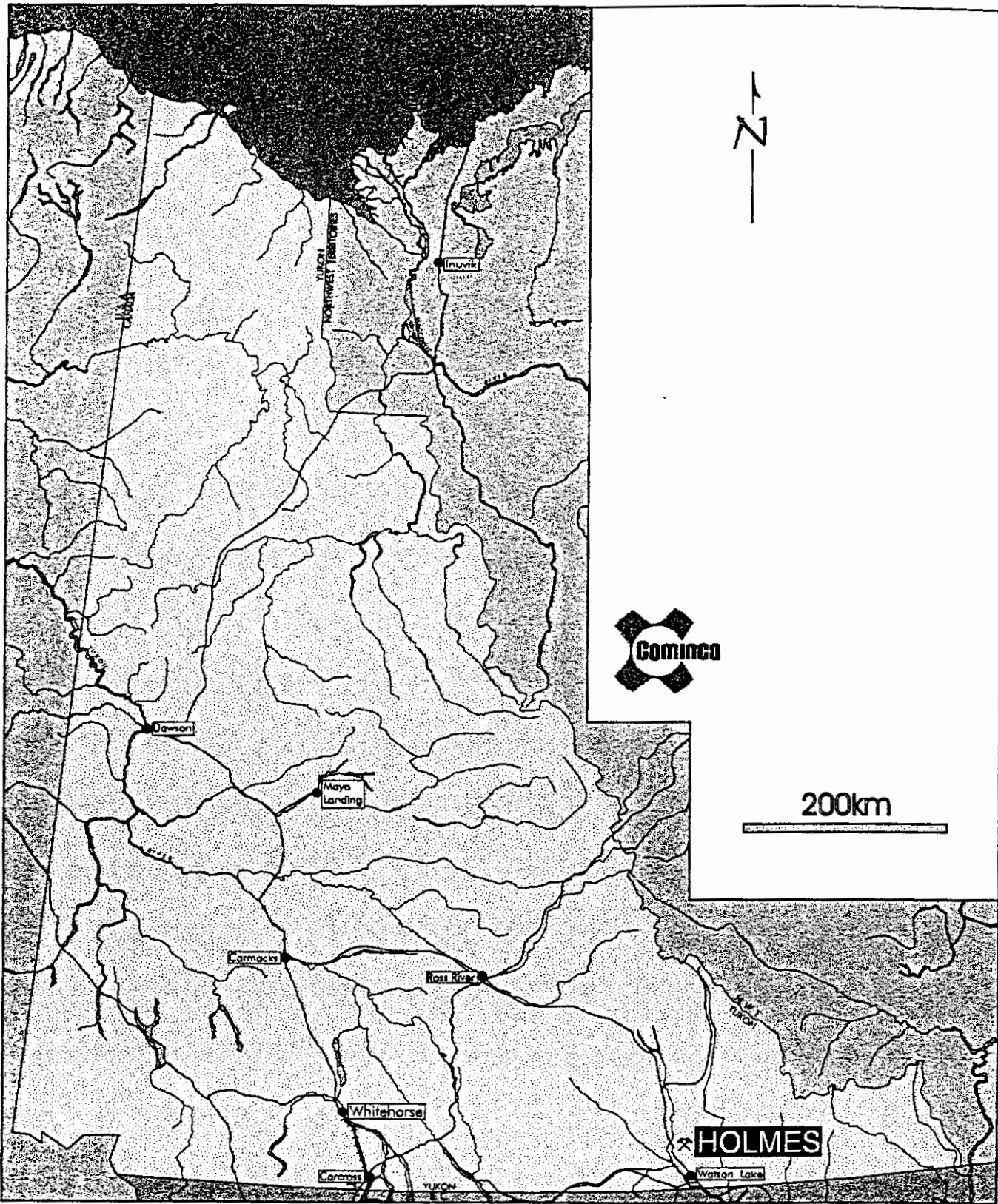
Soil sampling was completed on both of these geophysical grids. Results returned a few elevated results for copper, lead, and zinc, scattered throughout the grids.

2. LOCATION AND ACCESS

The HOLMES-SA DENA HES Joint Venture area is located in the northeast corner of the HOLMES property. This area is approximately 40 kms north northwest of Watson Lake. The gravel, all-weather Robert Campbell Highway provides direct access to the property (Figure 1).

3. PROPERTY AND OWNERSHIP

Ownership of the area of common interest is split between three companies; Korea Zinc (50%), Teck Corp., (25%), and Cominco Ltd., (25%). The main premise of this joint venture is a perimeter clause encompassing any claims within 2 kms of the existing Sa Dena Hes property. There are a total of 170 mineral claims that fall within this 2km circumference (Figure 2). These claims are contiguous with the larger HOLMES block, which is 100% owned by Cominco Ltd. Following are the names and due dates of the claims involved.

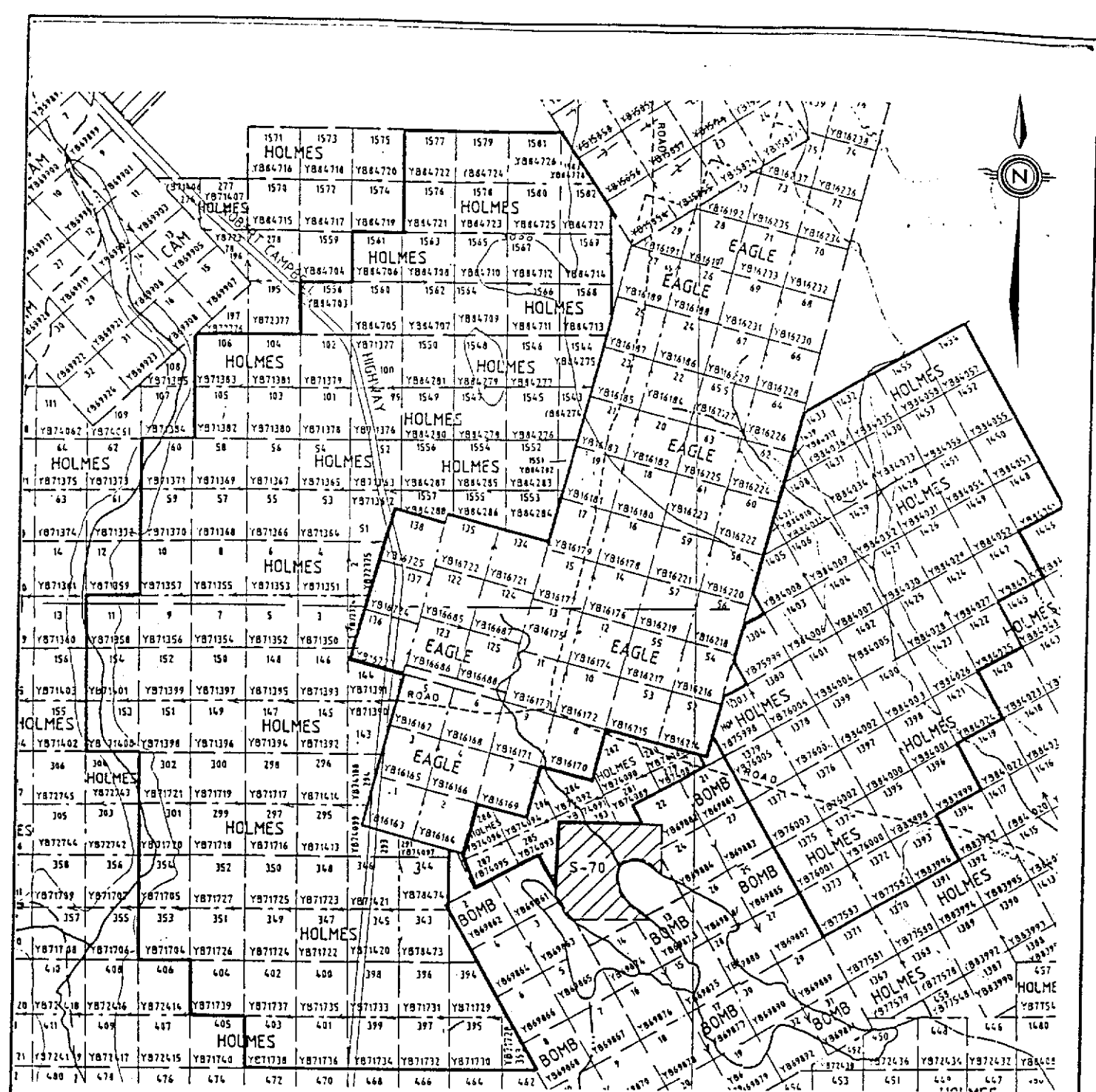


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Revised by:	Date:	Revised by:	Date:

HOLMES JOINT VENTURE LOCATION MAP

105 A/6

Scale:	As Shown	Date:	Dec., 1996	Plate:	1
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105 A/6

Drawn by: DAS	Traced by:
Revised by	Date

HOLMES JOINT VENTURE CLAIM MAP

Scale: 1:50,000

Date: DEC, 1996

Plate: 2

NAME	UNITS	CLAIM NO.	DUE DATES
HOLMES 1-2	2	YB72374-75	Dec.15, 2002
HOLMES 3-11	9	YB71350-58	Dec.15, 2002
HOLMES 51-60	10	YB71362-71	Dec.15, 2002
HOLMES 99-106	8	YB71376-83	Dec.15, 2002
HOLMES 143-154	12	YB71390-401	Dec.15, 2002
HOLMES 195	1	YB72377	Dec.15, 2002
HOLMES 279-288	10	YB74087-96	Dec.15, 2002
HOLMES 291	1	YB74097	Dec.15, 2002
HOLMES 293-294	2	YB74099-100	Dec.15, 2002
HOLMES 295-302	8	YB71413-20	Dec.15, 2002
HOLMES 343-344	2	YB78473-74	Dec.15, 2002
HOLMES 345-346	2	YB71420-21	Dec.15, 2002
HOLMES 347-352	6	YB71722-27	Dec.15, 2002
HOLMES 353-354	2	YB71704-05	Dec.15, 2002
HOLMES 393-404	12	YB71728-39	Dec.15, 2002
HOLMES 1303-1304	2	YB74218-19	Dec.15, 2002
HOLMES 1372-1373	2	YB77582-83	Dec.15, 2002
HOLMES 1374-1380	7	YB76000-06	Dec.15, 2002
HOLMES 1393	1	YB83996	Dec.15, 2002
HOLMES 1395-1409	15	YB83998-4012	Dec.15, 2002
HOLMES 1421-1433	13	YB84024-36	Dec.15, 2002
HOLMES 1447-1455	9	YB84050-58	Dec.15, 2002
HOLMES 1543-1557	15	YB84274-88	Dec.15, 2002
HOLMES 1558	1	YB84703	Dec.15, 2002
HOLMES 1560-1569	10	YB84705-14	Dec.15, 2002
HOLMES 1576-1583	8	YB84721-28	Dec.15, 2002

4. PREVIOUS WORK

A large block of ground was staked in the vicinity of the current HOLMES property by Kerr Addison Mines Ltd. in May, 1981 and added to in June, 1982. Kerr Addison completed geological mapping, geochemical sampling, and geophysical surveys on 16 grids in the area, as well as an airborne EM survey. Mineralized float was found in three different locations on the property. One sample, with possible vein style mineralization, returned values of 2.15%Cu, 1.6% Pb, 1.2% Zn, 97.7 ppm Ag, and 1800 ppm Ba (Arscott, 1982). Soil samples collected on the grids returned fairly weak results. Several EM conductors were identified by the airborne and ground-based surveys, most of which were explained by carbonaceous sediments in the area.

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" 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.

The late Devonian to Triassic SMT comprises a heterogeneous 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). 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 (Plint, 1994).

6. PROPERTY GEOLOGY

The HOLMES Joint Venture property is predominantly underlain by probable late Devonian to mid-Mississippian metasediments and minor volcanics within the Finlayson Lake Fault Zone.

The property is relatively flat-lying with numerous swamps and abundant overburden, creating a limited number of good exposures. The stratigraphy in the area of 1996 drilling trends north northwest with moderate to steep westerly dips of 50-70°.

The uppermost unit, seen locally in outcrop, comprises thick bedded to massive, grey to dark grey, variably siliceous, weakly carbonaceous chert, which may correlate with either the Devonian-Mississippian Selwyn Basin Earn Group, or the sedimentary sections of the SMT. This chert is often interbedded with argillaceous shales, mudstones, and minor mafic volcanic flows and tuffs. Towards the lower contact of this unit is a fine-grained chert pebble conglomerate associated with minor sedimentary breccias. This unit contains only very minor pyrite mineralization. Structurally below the chert, occurring in the eastern part of the HO-96A grid area, is a thick section of dark grey to black, weakly to moderately siliceous, pyrite-mineralized argillaceous shales and mudstones. This unit, containing minor volcanic tuff interbeds, may also correlate with the Selwyn Basin Earn Group.

Several fault zones, 2-16 metres in width, were encountered in each of the holes drilled on the HOLMES Joint Venture property. Due to lack of recovery in these zones it is quite difficult to determine the orientation of the faults.

7. 1996 EXPLORATION RESULTS

I. AIRBORNE GEOPHYSICS

Airborne EM and MAG surveys were flown over the Holmes property in April, 1996. Results indicated several significant AEM conductors with associated MAG within the Holmes-Sa Dena Hes Joint Venture area. The two highest priority targets, HO1 and HO2, both consist of multiple AEM conductors up to 1.5 kms long, flanking moderate to strong MAG features. These results led to subsequent ground geophysics and later drilling.

II. HO-96A GRID

This geophysical grid, a total of 16 line kilometres in length, was cut on the HOLMES property during the period of July 23-August 8, 1996 by Coureur Des Bois Ltd. of Whitehorse, Yukon (Figure 3).

A. GEOPHYSICAL SURVEYS

A total of 14.6 kms of HLEM/MAG surveys and 3.5 kms of GRAVITY were completed on this grid during the period August 7 to 18, 1996. The purpose of these surveys was to locate and define a number of airborne EM targets.

Results indicate 2 areas of conductivity. The first of these, HO1, consists of a single, weak conductor roughly 1 kilometre long located in an area of low magnetic response. Gravity results over the strongest part of this conductor (L400N, 1400E) do not appear to indicate anomalous densities however some topographic effect is evident. The second conductive zone identified as HO2 is 200-300 metres wide, in excess of 1400m long and consists of 3 parallel conductors identified as A, B and C. These conductors appear to be steeply dipping to the west and depths to the tops of them increase to the south. A number of lines were resurveyed using a 150 metre cable length to increase the depth penetration in an area where the conductors are deeper. A and B are best defined on L800N as narrow, 2 seimen conductors, 5-10 metres deep, and 180 metres apart. A gravity survey across them on L800N provides evidence of a positive density contrast. HLEM profiles for this grid are included in Figures 4a,b,c,d,e and f.

No clear magnetic trends are evident on the Holmes A grid. Numerous 50-100nT features are visible however these do not correlate directly with conductivity (Figure 4g).

To test these conductors 3 drill holes were proposed, each one inclined at -50° to grid east and approximately 100 metres long. A single hole to test the strongest part of HO1 to be collared at 1350E on L400N. To test the HO2-A conductor, collar at 375E on L800N, and for the B conductor at 550E on L800N.

B. SOIL GEOCHEMISTRY

A total of 148 soil samples were collected from this geophysical grid on August 22, 1996, and analysed for 27 elements by I.C.P. at the Cominco Lab in Vancouver. Results returned weak values for all economic elements. The best samples, scattered throughout the grid, returned values as high as 89 ppm Cu, 19 ppm Pb, and 113 ppm Zn. While low in regional terms, these values could be significant in this area of low-lying topography and thick overburden. Geochemical results are presented in Figures 5a,b and Appendix III.

C. DIAMOND DRILLING

The 1996 drill program on the Holmes block was designed to test three EM conductors, defined by ground geophysics earlier in the summer. It consisted of three short diamond drill holes totalling 218.8 metres. The drilling commenced October 30, 1996, and was completed November 7, 1996. The average drilling rate, including moves, was 24.3 m/day.

The drilling was performed by D.J Drilling, based out of Watson Lake, who carried out drilling 24 hours a day on a two shift basis. Personnel for this program included 4 drillers, 1 geologist (D. Senft), and a geological assistant (J.Schiavon). Mobilization to the property occurred on October 29, utilizing a Trans North helicopter to transport the drill, fuel, and all the supplies needed for the drilling.

Core was logged by the writer, and all samples taken were analysed for 27 elements by I.C.P. at the Cominco Lab in Vancouver. The core is currently stored at the Sa Dena Hes mine site. Detailed diamond drill logs and cross-sections for the holes are included in Appendix II and Figures 6a,b. Following is a brief synopsis of each of the holes drilled.

HOLE #	GRID COORD.	DEPTH (m)	OBJECTIVE	RESULTS
96H-01	13+50E 4+00N	50.9	To test a geophysical conductor anomaly.	Anomaly explained by graphitic shales / mudstones and extensive fault zones.
96H-02	5+50E 8+00N	72.8	To test a geophysical conductor anomaly.	Anomaly explained by thick intersection of graphitic shales and fault zones.
96H-03	3+75E 8+00N	95.1	To test a geophysical conductor anomaly.	Anomaly explained by mudstone intersections and minor fault zones.

III. HO-96B GRID

This geophysical grid, a total of 25.7 line kilometres in length, was cut on the HOLMES property during the period of July 23-August 8, 1996 by Coureur Des Bois Ltd. of Whitehorse, Yukon (Figure 3).

A. GEOPHYSICAL SURVEYS

Surveys on the HO-96b grid consisted of a total of 20.7 kms of HLEM/MAG and 4.1 kms of GRAVITY. These were completed during the period August 7 to 18, 1996 for the purpose of defining a number of airborne EM-MAG targets.

Four areas of conductivity are apparent on this grid (Figures 7a,b,c). HO3 is a 300 metre wide zone approximately 800 metres long. Within that zone are individual conductors A, B, and C which appear to be relatively weak (1-3 seimens), shallow (<10 metres deep) conductors from a few metres to 50 metres wide. There is little variability in the total field magnetic response in the vicinity of the conductors (Figure 7d). A gravity survey on L600W indicates that A and B may lie in an area of reduced density (Figure 7e).

HO4 is 200-300 metres wide and 400 metres long and consists of multiple conductors. The best defined of these is B; less than 5 metres deep with a conductivity-thickness 1-3 seimens and width of a few metres. Little variation in magnetic relief is evident in this area and gravity results suggest the conductivity lies in a zone of lower density.

HO5 is well defined over 3 lines (400 m) and appears as a 1 seimen conductor up to 25 metres wide with a depth to top of less than 5 metres. It is located in an area of low, flat magnetic response and low gravity response.

HO6 is on strike with HO5 and possibly a continuation of it. A pair of conductors, A and B make up this zone and both are open to the west of the grid. A is a 3-4 seimen conductor less than 5 metres wide and 5-13 metres deep. B is 1-3 seimens, less than 5 metres depth-to-top and less than 5 metres wide. Magnetic response is essentially flat and gravity response low for conductor A. B conductor is located near the end of a line in an area of topographic variability which makes the gravity response difficult to determine.

It is apparent that many of the conductors are located in areas of low gravity response and minimal magnetic relief. This suggests the conductivity is likely due to graphitic sediments. These conductive targets will require geological upgrading to be considered for further work.

B. SOIL GEOCHEMISTRY

A total of 220 soil samples were collected from this geophysical grid between August 23-25, 1996, and analysed for 27 elements by I.C.P. at the Cominco Lab in Vancouver. Results returned weak values for all economic elements. The best samples returned values of 79 ppm Cu, 27 ppm Pb, and 123 ppm Zn. These samples are found concentrated along the western edge of the grid near Cabin Creek, where bedrock is much closer to surface. Geochemical results are presented in Figures 8a, b Appendix III.

8. GEOPHYSICAL PROCEDURES

HORIZONTAL LOOP EM SURVEY

The HLEM system used was a Max-Min I-10 and a MMC data logger, manufactured by Apex Parametrics Ltd. The survey employed a 100 metre coil spacing in most cases although survey lines were occasionally repeated using a 150 m spacing for greater depth penetration. Three frequencies: 440, 1760, and 3520 Hz, were read at a 25 metre station interval.

For data collection, the receiver (Rx) and transmitter (Tx) were simultaneously tilted in a coplanar orientation paralleling the topographic slope (horizontal loop mode). The Rx-Tx separation of 100 metres was kept constant by using the interconnecting reference cable as a chain.

The HLEM results are presented in stacked profile form on 1:5000 plan maps, one map for each frequency. Data points are plotted half way between the Tx-Rx location. In-Phase (IP) data points are indicated by dots joined by a solid line; Out-of-Phase (OP) data is indicated by a dashed line. The conductor width, conductivity-thickness, and depth to top are indicated on all the plots, but are discussed below using the lowest frequency (usually 440 Hz) that adequately defines the conductor. An HLEM interpretation legend is included in Appendix IV.

A conductor will show a negative IP and/or OP trough of width (with respect to background values) equal to that of the conductor width plus the length of the coil separation. The IP and OP widths due to a conductive source are shown, respectively, above and below the zero line. The shallower a conductor is from the surface, the higher will be the amplitude of the IP and OP responses. Better conductors will respond on progressively lower frequencies whereas poor conductors are seen only on the higher frequencies. A higher IP/OP response amplitude ratio is also indicative of better conductance.

MAGNETIC SURVEY

The instrumentation for the magnetic survey consisted of a pair of OMNI PLUS magnetometres, one set up as a recording base station and the other taking measurements at each point of the survey grid. Readings were taken every 12.5 metres, which was decreased to every 5 metres in locations where the magnetic response changed rapidly. At the end of a survey day the two units were connected to a computer and the day's data was transferred to the computer memory. Corrections for diurnal magnetic field variations were applied to each survey station value before plots were made.

The total field magnetic data is presented in stacked profile form at a scale of 1:5000. HLEM conductor axes have been traced on the magnetic profile plots.

GRAVITY SURVEY

The gravity readings were taken by a LaCoste Romberg gravity meter, Model "G", S/N 494. This unit is sealed, internally pressure compensated, and thermostatically controlled during operation to minimize drift from atmospheric pressure and temperature changes. Diurnal corrections are generally small and are removed by repeating the first reading of the survey line and assuming a linear drift.

The elevation survey was carried out with a Nikon D-50 theodolite and Nikon prism reflector. The gravity line was surveyed back to the starting point to check the closure.

Reduction of the field data to Bouguer gravity and plotting of this data was carried out on Geosoft software using a density of 2.67 gm/cc.

9. CONCLUSIONS

The HOLMES property is predominantly underlain by probable late Devonian to mid-Mississippian metasediments and lesser mafic volcanics, possibly of the Selwyn Basin Earn Group, or units of the Slide Mountain Terrane within the Finlayson Lake Fault Zone. The stratigraphy generally trends north northwest with moderate to steep westerly dips.

The uppermost unit, seen locally in outcrop, comprises thick bedded to massive, grey to dark grey, variably siliceous, weakly carbonaceous chert, possibly correlative with the Devonian-Mississippian Selwyn Basin Earn Group. This chert is often interbedded with argillaceous shales, mudstones, and minor mafic volcanic flows and tuffs. Towards the lower contact of this unit is a fine to medium-grained chert pebble conglomerate associated with minor sedimentary breccias. This unit contains only very minor pyrite mineralization. Structurally below the chert, occurring in the eastern part of the HO-96A grid area, is a thick section of dark grey to black, weakly to moderately siliceous, pyrite-mineralized argillaceous shales and mudstones. This unit, containing minor volcanic tuff interbeds, is also thought to correlate with the Selwyn Basin Earn Group.

A total of 35.3 line kms of HLEM/MAG surveys, and 7.6 line kms of Gravity were completed on two grids which cover areas identified by airborne surveys as having strong EM and mag. Results of the ground geophysics indicated three significant geophysical conductors associated with positive gravity on grid HO-96A, all of which were drill-tested in late October-November, 1996. These anomalies were explained by thick intersections of graphitic shales and major fault zones in each of the holes. Conductive anomalies on grid HO-96B were not considered for drill-testing due to corresponding negative gravity.

Soil sampling was also completed on these two geophysical grids, returning relatively weak values for Cu (up to 89 ppm), Pb (up to 27 ppm) and Zn (up to 123 ppm), scattered throughout the grids.

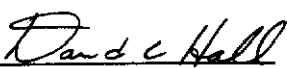
The possibilities for finding felsic volcanic associated VHMS deposits appears limited, however discovery of Sedex and/or Besshi style mafic associated VHMS deposits remains feasible.

10. REFERENCES

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- 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.
- PLINT, H. E., 1994. GEOLOGICAL MAPPING IN THE CAMPBELL RANGE, SOUTHEASTERN YUKON (PARTS OF 105 G/8, G/9 AND 105 H/5, H/12); Yukon Exploration and Geology 1994: Part C, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs, Canada, p. 47-58.

Report by:


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Geologist


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Mining Recorder (2)

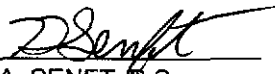
APPENDIX I
STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Darren A. Senft, of #4-2415 W. 4th Ave., Vancouver, B.C. hereby declare that I:

1. Graduated from The University of British Columbia, Vancouver, B.C. with a B.Sc. in Geology in May, 1994.
2. Have been actively engaged in mineral exploration in Western Canada as a geological assistant with Cominco Ltd. during the summers of 1992-94 and as a contract geologist with Cominco Ltd. since May, 1995.

Date: January, 1997


D.A. SENFT, B.Sc.
GEOLOGIST

APPENDIX II
1996 DIAMOND DRILL LOGS

Date: 18 Dec, 1996

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Page: 1 of 1

Northing: 400
Easting: 1350
Elevation: 905

DRILL HOLE RECORD

Drill Hole: 96H-01

Collar Azi.: 80
Collar Dip: -50
Hole Length: 50.9

Property Name: HOLMES PROPERTY
Grid: H096A
Drilled by: Longyear LF70
Core Size: NQ
Date Started: October 30, 1996
Completed: November 1, 1996
Date(s) Logged: November 2, 1996
Logged by: DAS
Contractor: DJ Drilling Ltd.

Easting: 499015
Northing: 6697095
NTS: 105 A/6
Purpose: To test a geophysical conductor anomaly.

From (m)	To (m)	Geology
.0	9.1	OVERBURDEN
9.1	16.4	VOLCANIC FLOW, ANDESITE Very fine grained, light green-grey pyritic andesite. Core very broken-up and rubbly, approximately 10% recovery. 1-2% disseminated pyrite cubes, 1-3mm in size.
16.4	50.9	GRAPHITIC SHALE/MUDSTONE Very fine grained, dark grey to black graphitic shale/mudstone with minor disseminated pyrite. Entire section is very broken-up and rubbly due to faulting, fault gouge is apparent throughout. The average recovery of core in this interval is 17%, though several sections contain little or no core at all. These sections with no core occur due to faulting, causing the rock to become totally unconsolidated, resulting in the sandy, pyritic shale coming up in the water return. Due to the rubbly nature of the core, no core to bedding angles were obtained. 16.5 32.3 Major fault zone, less than 10% recovery. Abundant sandy shale in water return at drill. 35.7 41.8 Major fault zone, approximately 6% recovery. Pyritic sandy shale in water return at drill.
50.9		END OF HOLE

Date: 18 Dec, 1996

COMINCO LTD.

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Northing: 800
Easting: 550
Elevation: 890

DRILL HOLE RECORD

Drill Hole: 96H-02

Collar Azi.: 80
Collar Dip: -50
Hole Length: 72.8

Property Name: HOLMES PROPERTY
Grid: HO96A
Drilled by: Longyear LF70
Core Size: NQ, BQ
Date Started: November 1, 1996
Completed: November 5, 1996
Date(s) Logged: November 4-5, 1996
Logged by: DAS
Contractor: DJ Drilling Ltd.

Easting: 498185
Northing: 6697345
NTS: 105 A/6
Purpose: To test a geophysical conductor anomaly.

From (m)	To (m)	Geology
.0	3.0	OVERBURDEN
3.0	4.4	SEDIMENTARY BRECCIA Clast-supported sedimentary breccia. Unit is composed almost entirely of angular clasts which vary in size from 1mm to 3cm. The majority of the clasts in this breccia, up to 70%, are quite siliceous/cherty. Of the remainder of the clasts, most are of shale/mudstone composition, though locally see clasts which are volcanic in origin. Iron oxide staining occurs locally along edges of clasts and on fracture surfaces. Manganese staining is less frequent, occurring locally on fracture surfaces. A fairly clear orientation of the clasts is evident within this unit. Core recovery is very good. No observed mineralization. 4.3 Core to bedding angle is at 50 deg.
4.4	5.0	CHERT PEBBLE CONGLOMERATE Medium to dark grey, coarse to medium grained chert pebble conglomerate. The rounded chert pebbles vary in size from 1-5mm, though the majority of grains are 2mm in diameter. Minor iron oxide staining occurs locally along fracture surfaces. Both upper and lower contacts with the sedimentary breccia are gradational. No observed mineralization.
5.0	9.8	SEDIMENTARY BRECCIA Clast-supported sedimentary breccia, same unit as described above. No observed mineralization. 5.7 Core to bedding angle is at 45 deg.
9.8	15.2	CHERT PEBBLE CONGLOMERATE Medium to coarse grained chert pebble conglomerate, same unit as described above. No observed mineralization.
15.2	16.8	VOLCANIC FLOW, BASALTIC Light grey-brown, very fine grained, vesicular basalt. Manganese and iron oxide staining apparent on fracture surfaces. Unit was likely fault-emplaced, as fault gouge is apparent at both upper and lower contacts.
16.8	20.4	CHERT PEBBLE CONGLOMERATE Medium grained chert pebble conglomerate with minor interbedded/banded graphitic shale. Chert pebbles 1-2mm in size. 19.0 19.7 Coarser grained conglomerate, with majority of chert pebbles 5-6mm in size. 19.8 Core to bedding angle is approximately 50 deg.
20.4	22.3	SEDIMENTARY BRECCIA Clast-supported sedimentary breccia, similar to the brecciated units described above, though with a slight increase in the proportion of shale clasts.

Geology

From (m)	To (m)	Geology
22.3	23.8	CHERT PEBBLE CONGLOMERATE Medium to coarse grained chert pebble conglomerate. Similar to interval from 16.8 to 20.4, containing approximately 10% interbedded/banded shale.
23.8	24.9	SEDIMENTARY BRECCIA The clasts in this interval of the breccia are proportioned equally between siliceous, cherty clasts and shaly, mudstone clasts. Average clast size is 2-3cm.
24.9	29.6	FAULT ZONE Fault gouge and rubble are predominate in this zone. Where core is whole, it is generally quite soft. Iron oxide staining is evident throughout most of this interval. The dominant rock type seen here is graphitic mudstone, with minor chert pebble conglomerate. Core recovery is approximately 55%.
29.6	64.0	GRAPHITIC SHALE/MUDSTONE Very fine grained, dark grey to black, weakly calcareous graphitic shale/mudstone. 3-4% pyrite occurs as disseminations and minor laminations. Locally cut by thin calcite veinlets. Most of section is quite broken-up, minor fault zones and fault gouge are apparent locally. Recovery was moderately good, though several sections contain little or no core at all. These sections generally occur due to faulting, and are characterized by sandy, unconsolidated, pyritic shale coming up in the water return. 30.4 Core to bedding angle is at 65 deg. 35.7 38.3 Major fault zone, less than 10% recovery. Abundant sandy shale in water return at drill. 44.2 46.6 No core recovered, washed away as fine grained sand, causing circulation to be lost. Had to reduce hole diameter to BQ to continue. 50.9 60.0 No core recovered, encounter aquifer and hole starts making water. 60.0 64.0 Major fault zone, less than 10% recovery. Pyritic sandy shale in water return at drill.
64.0	72.8	LIMESTONE Fine grained, light to medium grey calcareous limestone, interbedded with minor calcareous shale. Rock is cut by numerous carbonate veinlets. Core is very fractured and broken-up, recovery is approximately 45% over this interval. Three small fault zones, 5-10cm wide also occur within this interval. No observed mineralization.
72.8		END OF HOLE

Date: 18 Dec, 1996

COMINCO LTD.

Page: 1 of 1

Northing: 800
 Easting: 375
 Elevation: 865

DRILL HOLE RECORD

Drill Hole: 96H-03

Collar Azi.: 80
 Collar Dip: -50
 Hole Length: 95.1

Property Name: HOLMES PROPERTY
 Grid: HO96A
 Drilled by: Longyear LF70
 Core Size: NQ
 Date Started: November 5, 1996
 Completed: November 7, 1996
 Date(s) Logged: November 7, 1996
 Logged by: DAS
 Contractor: DJ Drilling Ltd.

Easting: 497975
 Northing: 6697320
 NTS: 105 A/6
 Purpose: To test a geophysical conductor anomaly.

From (m)	To (m)	Geology
.0	15.2	OVERBURDEN
15.2	33.3	CHERT Massive grey-brown chert, with close-spaced iron-oxide stained graphite and minor sericite laminations. Entire interval is quite fractured and broken-up, though core recovery is quite good at approximately 90%. Iron oxide staining is prominent along fractures. Pyrite occurs disseminated throughout as small cubes up to 3mm in size. 25.5 26.5 Small fault zone. Approximately 50% recovery of fault gouge and rubbly core. 29.1 31.1 Fault zone. 40% recovery of mostly fault gouge.
33.3	36.0	VOLCANIC TUFF Light grey-green, fine grained volcanic tuff. Ashy matrix with mm-sized rounded clay and feldspar clasts. Minor pyrite occurs as disseminations and thin laminations. Upper contact appears faulted, lower contact is gradational.
36.0	47.4	SILICIFIED MUDSTONE/SHALE Very fine grained, dark grey silicified mudstone/shale. Local graphitic laminations. 2-3% pyrite as small disseminated cubes. Core is quite broken-up throughout interval, but recovery is still good. 37.0 Core to bedding angle is approximately 25 deg. 39.1 45.7 Major fault zone. 10% recovery of rubbly core and fault gouge.
47.4	71.3	CHERT Massive, microcrystalline, light to medium grey chert. Local graphitic laminations near upper contact. Minor disseminated pyrite occurs throughout. Entire interval is quite fractured and broken-up. 63.7 69.3 Very rubbly section, possibly faulted. Approximately 65% recovery.
71.3	87.2	INTERBEDDED/BANDED SILICIFIED MUDSTONE AND CHERT Medium to dark grey, massive chert, with interbeds of dark grey to black, fine grained mudstone. Graphitic laminations and layers common. Minor pyrite occurs throughout as disseminations and locally as thin laminations. Entire section is quite fractured and broken-up. Recovery is very good. 73.0 Core to bedding angle is approximately 30 deg.
87.2	95.1	SILICIFIED MUDSTONE/SHALE Gradual increase in shale content in previous unit gives rise to this predominantly shaley, silicified mudstone. Rock is very fine grained, dark grey to black, and cut by numerous thin quartz veinlets. 1-2% pyrite occurs as disseminations and thin laminations.
95.1		END OF HOLE

APPENDIX III

1996 GEOCHEMISTRY DATA

Labno,Fieldno,Mat,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

LABNO	FIELDNO	MATERIAL	CU	PB	ZN	AG	AS	BA_A	CD	CO	NI	FE	MO	CR	BI	SB	V	SN	W	SR	Y	LA	MN	MG	TI	AL	CA	NA	K
S9626662	323209	1	12	9	28	0.2	1	145	1	3	11	1.44	3	12	2	2	19	2	1	7	2	5	96	0.23	0.01	0.85	0.09	0.01	0.03
S9626663	323210	1	14	2	12	0.2	8	600	1	2	7	0.49	1	2	2	2	5	4	1	325	2	2	2075	0.4	0.01	0.29	6.08	0.03	0.01
S9626664	323211	1	17	8	45	0.2	1	253	1	5	17	1.5	1	13	2	2	14	1	1	60	7	7	905	0.35	0.01	0.78	1.29	0.03	0.04
S9626665	323212	1	5	8	31	0.2	6	84	1	3	9	1.39	1	13	2	6	21	3	1	4	2	10	123	0.24	0.01	0.74	0.05	0.01	0.03
S9626666	323213	1	7	2	42	0.2	1	128	1	4	13	1.65	2	14	2	13	22	4	1	6	2	7	202	0.28	0.01	0.87	0.1	0.01	0.03
S9626667	323214	1	19	8	74	0.2	2	154	1	4	18	1.71	2	15	2	2	18	1	1	26	10	9	374	0.33	0.01	0.82	0.59	0.03	0.07
S9626668	323215	1	3	8	67	0.2	15	171	1	5	9	2.04	4	14	2	2	28	1	1	7	1	4	447	0.16	0.02	0.82	0.16	0.01	0.04
S9626669	323216	1	4	6	26	0.2	6	97	1	2	9	1.24	2	14	7	2	14	3	1	7	2	6	108	0.28	0.01	0.69	0.14	0.01	0.02
S9626670	323217	1	9	7	15	0.2	3	234	1	2	5	0.85	1	9	2	2	10	1	1	83	2	4	152	0.24	0.01	0.67	1.51	0.03	0.02
S9626671	323218	1	3	7	22	0.2	4	103	1	1	5	1.05	2	8	2	7	18	1	1	5	1	4	73	0.14	0.01	0.51	0.08	0.01	0.03
S9626672	323219	1	4	6	35	0.2	1	101	1	3	9	1.42	1	12	2	6	20	6	1	3	1	5	101	0.2	0.01	0.79	0.04	0.01	0.02
S9626673	323220	1	2	4	31	0.2	2	44	1	2	4	0.91	1	10	2	2	14	12	1	2	1	6	62	0.18	0.02	0.6	0.04	0.01	0.02
S9626674	323221	1	5	8	32	0.2	4	116	1	3	10	1.77	1	17	2	2	27	9	1	6	2	8	110	0.28	0.01	1.06	0.08	0.01	0.03
S9626675	323222	1	8	5	33	0.2	1	129	1	4	13	1.6	1	15	2	8	20	5	1	5	3	10	129	0.3	0.01	1.01	0.08	0.01	0.03
S9626794	337223	1	2	5	28	0.2	1	99	1	2	5	1.03	4	10	2	6	16	3	1	4	1	5	102	0.16	0.01	0.57	0.06	0.01	0.02
S9626795	337224	1	6	7	40	0.2	19	133	1	3	12	1.41	4	12	2	2	17	1	1	6	2	7	109	0.24	0.01	0.76	0.09	0.01	0.03
S9626796	337225	1	30	5	60	0.2	4	241	1	6	19	1.97	3	14	2	2	16	1	1	9	14	14	740	0.26	0.01	0.92	0.14	0.04	0.06
S9626797	337226	1	52	7	38	3.5	5	95	1	2	21	1.82	5	8	8	2	30	3	1	14	5	7	697	0.02	0.01	0.18	0.11	0.04	0.06
S9626798	337227	1	3	4	30	0.2	1	127	1	3	9	1.08	5	10	7	2	14	1	1	6	1	6	188	0.21	0.01	0.69	0.1	0.01	0.03
S9626799	337228	1	4	11	37	0.2	7	95	1	3	8	1.16	3	12	2	2	16	4	1	6	1	6	128	0.24	0.01	0.63	0.09	0.01	0.04
S9626800	337229	1	2	6	28	0.2	9	86	1	2	9	1.33	4	14	2	2	16	1	1	8	1	5	94	0.26	0.01	0.63	0.13	0.01	0.03
S9626801	337230	1	7	2	27	0.2	1	48	1	3	13	1.31	4	11	2	2	15	1	1	5	2	3	99	0.19	0.01	0.62	0.08	0.01	0.02
S9626803	337232	1	10	2	8	0.2	1	247	1	2	6	0.3	3	2	2	6	3	1	1	180	2	2	739	0.4	0.01	0.39	4.85	0.03	0.02
S9626804	337233	1	1	5	18	0.2	1	51	1	2	3	0.59	3	8	2	2	11	1	1	5	1	6	61	0.13	0.01	0.36	0.11	0.01	0.02
S9626805	337234	1	4	6	30	0.2	1	140	1	3	11	1.33	2	14	2	7	18	1	1	11	2	6	108	0.26	0.01	0.78	0.23	0.01	0.02
S9626806	337235	1	7	10	35	0.2	1	188	1	4	12	1.37	3	15	2	5	17	1	1	12	4	6	196	0.24	0.01	0.82	0.27	0.03	0.02
S9626807	337237	1	3	2	35	0.2	11	69	1	2	9	1.23	3	11	5	7	20	1	1	2	1	5	97	0.19	0.01	0.65	0.03	0.01	0.02
S9626808	337238	1	15	4	64	0.2	1	181	1	5	19	1.81	5	16	2	2	17	1	1	16	6	8	367	0.35	0.01	0.81	0.39	0.01	0.07
S9626809	337239	1	35	13	123	0.6	8	412	1	35	33	2.74	8	20	2	8	27	1	1	17	8	11	3704	0.31	0.01	1.53	0.31	0.04	0.08
S9626810	337240	1	22	5	80	0.5	1	188	1	7	24	1.94	3	17	2	7	20	9	1	18	8	9	554	0.37	0.01	0.93	0.4	0.03	0.08
S9626811	337241	1	18	8	47	0.2	3	122	1	4	17	1.35	2	12	2	2	14	5	1	24	8	6	234	0.28	0.01	0.56	0.63	0.03	0.05
S9626812	337242	1	6	6	34	0.2	7	95	1	4	12	1.72	2	15	9	2	21	1	1	6	2	4	139	0.22	0.01	0.81	0.13	0.01	0.03
S9626813	337243	1	3	2	22	0.2	5	71	1	2	9	1.07	3	12	2	2	13	1	1	10	3	6	96	0.23	0.01	0.56	0.19	0.01	0.01
S9626814	337244	1	21	5	37	0.4	5	257	1	5	20	1.65	4	18	2	2	18	1	1	31	13	12	312	0.37	0.01	0.91	0.71	0.04	0.04
S9626815	337245	1	1	2	10	0.2	1	55	1	1	2	0.32	3	4	5	2	8	6	1	4	1	4	28	0.06	0.01	0.31	0.07	0.01	0.02
S9626816	337246	1	2	5	17	0.2	4	79	1	2	5	0.82	5	7	2	2	18	1	1	3	1	3	53	0.12	0.01	0.53	0.04	0.01	0.01
S9626817	337247	1	3	4	20	0.2	1	73	1	2	9	1.22	5	10	2	2	18	1	1	3	1	6	79	0.19	0.01	0.69	0.03	0.01	0.01
S9626855	337877	1	21	10	44	0.2	2	280	1	6	19	1.5	4	19	2	2	19	2	1	55	9	8	610	0.38	0.01	0.89	1.57	0.04	0.04
S9626858	337880	1	19	7	57	0.6	12	501	1	13	16	4.48	3	19	2	2	18	1	1	50	8	7	2107	0.33	0.01	0.91	1.46	0.02	0.02
S9626859	337881	1	19	8	47	0.4	3	384	1	7	20	1.88	5	18	2	2	23	1	1	29	12	12	582	0.34	0.01	1.16	0.85	0.03	0.03
S9626860	337882	1	15	6	35	0.2	18	123	1	5	16	1.78	3	16	2	8	18	7	1	6	4	6	153	0.3	0.01	1.02	0.07	0.01	0.02
S9626861	337883	1	6	10	113	0.2	1	124	1	4	9	2.3	3	18	2	8	26	1	1	5	1	3	227	0.16	0.03	1.07	0.06	0.01	0.02
S9626862	337884	1	7	7	31	0.2	5	136	1	3	10	1.54	3	14	2	2	18	1	1	4	4	7	113	0.2	0.01	0.87	0.05	0.01	0.02
S9626863	337885	1	4	6	29	0.5	1	99	1	3	8	1.46	5	12	2	2	21	2	1	4	1	4	121	0.2	0.01	0.65	0.06	0.01	0.02
S9626864	337886	1	8	6	38	0.2	6	121	1	4	18	1.73	4	17	12	2	21	2	1	7	3	8	171	0.34	0.01	0.89	0.13	0.01	0.04
S9626865	337887	1	15	8	53	0.2	15	129	1	6	19	2.18	4	20	2	2	20	1	1	5	2	9	279	0.37	0.01	1.15	0.07	0.01	0.04
S9626867	337889	1	16	6	40	0.2	13	161	1	6	14	1.8	1	18	11	2	22	1	1	23	7	9	512	0.29	0.01	0.97	0.75	0.05	0.04
S9626868	337890	1	11	4	19	0.5	1	105	1	2	9	0.78	1	8	2	2	9	1	1	60	6	7	227	0.18	0.01	0.59	2.43	0.03	0.01
S9626869	337891	1	20	2	34	0.5	6	268	1	4	15	1.41	5	15	2	2	16	5	1	62	10	8	459	0.33	0.01	0.86	2.75	0.03	0.02
S9626870	337892	1	4	4	23	0.2	1	132	1	2	8	1.03	1	8	2	2	13	1	1	5	1	4	127	0.17	0.01	0.61	0.16	0.01	0.01
S9626871	337893	1	17	7	22	0.2	6	224	1	3	13	1.06	2	11	2	12	11	1	1	64	3	3	234	0.26	0.01	0.97	2.42	0.03	0.02
S9626872	337894	1	12	8	31	0.2	1	150	1	5	13	1.57	3	14	2	9	15	2	1	5	2	4	162	0.25	0.01	0.93	0.1	0.01	0.02
S9626873	337895	1	89	6	30	0.5	4	316	3	5	24	0.86	2	17	2	2	14	1	1	84	18	10	702	0.18	0.01	0.92	3.19	0.04	0.01
S9626874	337896	1	14	5																									

Labno,Fieldno,Mat,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

S9626875	337897	1	18	9	51	0.6	1	245	1	5	20	2.05	3	21	2	8	25	1	1	17	7	11	257	0.31	0.01	1.21	0.35	0.01	0.04
S9626876	337898	1	14	5	29	0.2	5	109	1	3	13	1.18	3	13	2	2	13	8	1	17	7	8	230	0.28	0.01	0.6	0.36	0.03	0.02
S9626877	337899	1	23	8	43	0.2	15	287	1	6	23	1.86	5	19	2	2	20	1	1	19	10	11	347	0.46	0.01	0.96	0.65	0.01	0.04
S9626878	337900	1	18	12	56	0.5	1	308	1	6	17	2.35	4	21	2	18	30	1	1	13	5	10	300	0.35	0.01	1.39	0.29	0.03	0.03
S9626879	337901	1	12	6	31	0.2	10	147	1	3	13	1.52	2	16	2	2	19	1	1	8	4	7	128	0.28	0.01	0.93	0.17	0.01	0.02
S9626880	337902	1	7	13	31	0.2	9	111	1	4	11	1.5	3	15	2	2	20	2	1	10	3	5	178	0.27	0.01	0.77	0.22	0.01	0.02
S9626881	337903	1	17	9	30	0.5	1	280	1	6	15	2	6	18	2	2	25	2	1	35	8	9	486	0.23	0.01	1.07	0.83	0.04	0.02
S9626882	337904	1	16	2	38	0.2	1	248	1	4	12	1.4	2	12	2	2	9	1	1	69	8	5	395	0.27	0.01	0.65	2.03	0.05	0.02
S9626883	337905	1	58	8	49	0.2	20	401	1	5	24	2.04	2	21	2	2	20	1	1	72	37	15	473	0.35	0.01	1.22	1.89	0.03	0.04
S9626884	337906	1	6	9	36	0.2	1	118	1	4	12	2.17	3	16	2	2	26	5	1	8	2	7	149	0.32	0.01	1.08	0.12	0.01	0.02
S9626884	337906	1	6	9	36	0.2	1	118	1	4	12	2.17	3	16	2	2	26	5	1	8	2	7	149	0.32	0.01	1.08	0.12	0.01	0.02
S9626885	337907	1	10	9	32	0.2	9	104	1	5	19	1.88	4	19	2	2	21	1	1	2	2	7	145	0.28	0.01	1.33	0.02	0.01	0.02
S9626886	337908	1	22	2	13	0.5	1	707	1	6	27	1.32	3	15	6	7	12	1	1	107	18	16	395	0.22	0.01	1.27	4.1	0.04	0.01
S9626887	337909	1	10	7	79	0.5	5	172	1	6	20	2.96	5	25	2	6	40	1	1	7	3	9	224	0.36	0.03	1.5	0.14	0.01	0.03
S9626888	337910	1	7	7	31	0.2	4	127	1	4	13	1.83	4	17	7	2	24	1	1	10	2	8	161	0.32	0.01	0.94	0.22	0.01	0.03
S9626891	337913	1	31	8	41	0.4	6	342	1	5	16	1.34	3	16	9	2	17	4	1	61	11	8	389	0.24	0.01	0.81	1.75	0.03	0.02
S9626893	337915	1	27	2	26	0.2	1	393	1	4	18	1.37	5	16	2	2	16	1	1	131	11	8	570	0.42	0.01	1.02	2.99	0.04	0.02
S9626894	337916	1	8	8	25	0.2	1	155	1	4	13	1.39	4	13	2	2	14	8	1	7	1	7	139	0.27	0.01	0.81	0.14	0.01	0.03
S9626895	337917	1	17	2	13	0.2	1	466	1	4	10	0.78	2	9	6	2	6	1	1	242	4	4	774	0.38	0.01	0.54	5.23	0.04	0.02
S9626896	337918	1	6	6	28	0.2	1	139	1	3	13	1.42	4	16	2	2	18	1	1	17	3	7	152	0.32	0.01	0.85	0.29	0.01	0.02
S9626897	337919	1	28	4	54	0.2	3	244	1	7	25	1.8	1	19	2	2	19	1	1	77	10	8	447	0.63	0.01	0.92	1.69	0.04	0.1
S9626898	337920	1	11	6	38	0.6	9	172	1	4	18	1.41	3	15	2	2	15	6	1	37	7	9	325	0.37	0.01	0.78	0.9	0.03	0.04
S9626899	337921	1	11	2	27	0.4	5	170	1	3	13	1.24	1	12	2	2	13	1	1	8	5	7	118	0.25	0.01	0.72	0.19	0.01	0.02
S9626900	337922	1	18	7	19	0.2	18	297	1	3	15	1.14	3	10	2	2	11	1	1	121	6	5	264	0.3	0.01	0.68	2.78	0.03	0.01
S9626901	337923	1	7	5	21	0.2	7	161	1	3	10	1.11	2	10	2	2	11	1	1	3	1	3	122	0.18	0.01	0.7	0.06	0.01	0.01
S9626902	337924	1	4	2	23	0.2	4	69	1	1	7	1	1	8	2	2	16	1	1	4	1	2	85	0.13	0.01	0.59	0.06	0.03	0.02
S9626903	337925	1	17	11	37	0.2	1	371	1	9	18	1.95	5	18	2	2	24	1	1	31	11	10	804	0.3	0.01	1.08	0.86	0.03	0.02
S9626904	337926	1	22	8	43	0.2	5	255	1	6	22	1.62	5	18	6	2	18	6	1	57	11	8	290	0.44	0.01	0.79	0.9	0.04	0.05
S9626905	337927	1	20	7	52	0.2	4	187	1	6	19	1.61	4	14	2	2	16	1	1	41	8	7	411	0.53	0.01	0.69	1.84	0.01	0.05
S9626906	337928	1	22	2	5	0.2	1	549	1	4	10	0.71	4	7	2	2	6	1	1	231	5	4	848	0.27	0.01	0.54	5.67	0.06	0.01
S9626907	337929	1	18	6	38	0.2	1	254	1	5	21	1.59	3	19	2	2	17	1	1	30	9	8	323	0.35	0.01	0.86	0.88	0.02	0.04
S9626908	337930	1	10	7	29	0.2	5	133	1	4	13	1.4	4	14	2	2	16	1	1	6	2	6	165	0.28	0.01	0.88	0.13	0.01	0.03
S9626909	337931	1	22	2	45	0.2	4	363	1	7	20	1.56	4	17	2	5	17	1	1	77	9	7	1287	0.36	0.01	0.83	1.63	0.04	0.03
S9626910	337932	1	9	9	32	0.4	14	184	1	3	9	1.39	3	13	2	10	21	1	1	24	3	5	255	0.24	0.02	0.69	0.37	0.02	0.02
S9626911	337933	1	12	6	28	0.6	1	220	1	4	12	1.41	5	13	6	2	17	1	1	51	5	6	324	0.25	0.01	0.84	1.18	0.03	0.03
S9626912	337934	1	16	2	12	0.2	3	244	1	2	6	0.58	2	6	2	5	5	1	1	93	4	3	477	0.24	0.01	0.59	3.08	0.05	0.01
S9626913	337935	1	15	12	51	0.2	6	174	1	6	21	1.73	4	18	6	2	19	1	1	20	7	8	654	0.38	0.01	0.88	0.59	0.01	0.05
S9626914	337936	1	18	2	21	0.2	1	257	1	2	10	0.69	1	7	2	2	6	1	1	88	5	3	424	0.17	0.01	0.45	2.77	0.02	0.01
S9626915	337937	1	28	14	98	0.2	19	1171	2	22	47	1.72	5	16	2	2	13	1	1	104	15	9	18380	0.35	0.01	1.01	2.3	0.04	0.05
S9626916	337938	1	23	4	18	0.5	12	377	1	3	14	1	4	12	2	2	11	1	1	155	7	5	427	0.36	0.01	0.69	3.36	0.03	0.02
S9626917	337939	1	15	7	38	0.2	19	280	1	5	17	1.72	6	20	2	2	21	2	1	23	9	9	357	0.44	0.01	0.97	0.56	0.01	0.04
S9626918	337940	1	9	10	34	0.2	8	166	1	5	17	1.97	3	18	5	2	24	1	1	7	2	7	140	0.3	0.01	1.09	0.12	0.01	0.02
S9626919	337941	1	18	4	6	0.5	2	404	1	1	10	0.51	3	7	2	2	6	1	1	259	5	4	157	0.42	0.01	0.55	5.71	0.04	0.01
S9626921	337943	1	24	5	36	0.6	1	544	1	4	18	1.47	3	16	2	14	14	1	1	157	12	9	449	0.52	0.01	1.05	3.15	0.04	0.04
S9627449	299951	1	16	2	7	0.5	1	269	1	1	9	0.74	2	8	2	6	6	1	1	161	5	4	291	0.31	0.01	0.56	4.37	0.01	0.01
S9627450	299952	1	24	2	3	0.2	1	323	1	3	13	0.47	1	5	2	2	4	1	1	210	4	4	704	0.34	0.01	0.48	5.46	0.01	0.01
S9627451	299953	1	60	2	22	0.7	1	428	1	4	26	1.15	2	12	2	5	12	1	1	158	16	9	495	0.46	0.01	0.77	3.94	0.01	0.01
S9627452	299954	1	33	2	23	0.2	4	453	1	3	22	1.23	6	12	2	2	10	1	1	125	26	17	264	0.44	0.01	1.2	2.92	0.02	0.01
S9627453	299955	1	6	8	28	0.2	4	143	1	2	10	1.55	4	13	2	2	24	4	1	7	2	4	89	0.23	0.01	0.91	0.12	0.01	0.01
S9627454	299956	1	30	2	12	0.2	19	728	1	5	15	0.93	4	9	2	2	7	1	1	156	32	23	224	0.22	0.01	1.08	2.86	0.01	0.02
S9627455	299957	1	18	11	39	0.7	5	269	1	3	14	1.53	1	12	2	2	20	4	1	60	9	8	349	0.22	0.01	0.8	1.35	0.02	0.02
S9627456	299958	1	17	2	26	0.2	10	251	1	4	12	1.3	5	11	2	2	12	2	1	92	8	7	483	0.3	0.01	0.83	2.02	0.02	0.02
S9627457	299959	2	17	5	49	0.2	1	383	1	6	19	1.63	9	14	2	2	14	2	1	75	7	6	3180	0.37	0.01	0.81	1.56	0.01	0.04
S9627458	299960	1	6	7	30	0.2	7	128	1	3	8	1.28	1	10	2	2	17	1	2	20									

Labno,Fieldno,Mat,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

S9627460	299962	1	15	11	66	0.2	8	127	1	6	16	1.81	2	16	2	2	18	1	1	15	7	9	438	0.36	0.01	0.78	0.3	0.01	0.07
S9627461	299963	1	4	25	29	0.2	4	174	1	3	5	1.67	4	9	2	2	22	4	1	7	1	3	254	0.13	0.01	0.79	0.13	0.01	0.03
S9627462	299964	1	13	27	69	0.2	14	109	1	6	11	2.85	1	13	2	2	25	1	2	5	1	4	423	0.2	0.01	1.11	0.07	0.01	0.03
S9627463	299965	1	35	4	84	0.2	1	379	1	4	19	1.16	5	9	2	2	9	6	2	104	7	5	1222	0.34	0.01	0.71	2.83	0.02	0.03
S9627464	299966	1	26	2	51	0.2	10	245	1	2	16	1.02	3	9	2	2	8	1	1	71	5	4	395	0.29	0.01	0.81	2.07	0.01	0.03
S9627465	299967	1	28	9	83	0.2	1	246	1	6	24	2.07	6	16	2	11	20	1	2	24	12	10	397	0.4	0.01	0.92	0.58	0.01	0.09
S9627466	299968	1	27	9	55	0.2	14	214	1	4	20	2.03	5	17	2	2	20	3	3	15	13	11	299	0.36	0.01	0.97	0.4	0.01	0.04
S9627467	299969	1	35	5	61	0.5	1	444	1	7	30	1.71	6	17	5	2	18	1	1	75	25	19	1132	0.38	0.01	1.32	1.3	0.03	0.02
S9627468	323165	1	8	8	36	0.2	1	127	1	4	17	1.91	1	18	2	6	27	1	3	8	2	6	145	0.37	0.01	1.19	0.13	0.01	0.03
S9627469	323166	1	28	10	66	0.2	1	288	1	7	24	2.13	3	18	2	2	21	1	1	34	10	11	470	0.57	0.01	0.99	1.75	0.01	0.06
S9627470	323167	1	20	8	34	0.4	25	328	1	5	20	1.94	4	21	2	8	24	3	1	60	12	12	340	0.46	0.01	1.1	1.03	0.01	0.03
S9627471	323168	1	13	6	30	0.2	3	257	1	5	16	1.36	1	15	2	2	16	3	1	30	9	8	396	0.26	0.01	0.74	0.79	0.01	0.01
S9627472	323171	1	13	2	12	0.2	1	427	1	3	8	0.81	2	8	2	2	8	2	1	141	5	4	2515	0.25	0.01	0.51	2.92	0.04	0.01
S9627473	323172	1	15	6	38	0.2	1	229	1	4	16	1.58	1	17	2	2	17	1	1	77	8	8	305	0.46	0.01	0.75	2.64	0.01	0.04
S9627474	323173	1	16	7	29	0.2	1	172	1	3	14	1.33	4	16	2	2	15	8	1	14	8	8	180	0.26	0.01	0.73	0.3	0.01	0.02
S9627475	323174	1	8	4	26	0.2	5	173	1	2	12	1.34	2	15	8	8	15	2	1	9	7	8	101	0.27	0.01	0.71	0.21	0.01	0.02
S9627476	323175	1	34	5	59	0.2	24	351	1	7	30	2.44	3	22	2	2	24	1	2	23	15	13	573	0.55	0.01	1.16	0.35	0.01	0.06
S9627477	323176	1	6	7	39	0.2	1	152	1	6	13	1.54	3	15	2	2	16	2	1	31	6	9	468	0.34	0.01	0.74	0.62	0.01	0.02
S9627478	323177	1	5	8	26	0.2	1	73	1	2	9	1.4	2	15	2	2	20	1	3	7	2	6	94	0.29	0.01	0.92	0.09	0.01	0.02
S9627479	323178	1	2	9	20	0.2	6	105	1	1	7	0.99	3	11	2	2	14	1	2	8	2	6	72	0.22	0.01	0.61	0.16	0.01	0.02
S9627480	323179	1	9	8	25	0.2	1	268	1	2	10	1.33	1	13	2	2	15	1	2	52	4	6	181	0.3	0.01	0.84	1.35	0.01	0.02
S9627481	323183	1	9	5	19	0.2	1	169	1	4	10	1	1	12	29	2	13	4	3	34	3	5	222	0.23	0.01	0.65	0.67	0.03	0.01
S9627482	323184	1	7	8	28	0.2	15	95	1	4	12	1.31	1	16	30	2	18	6	1	5	2	5	149	0.23	0.01	0.75	0.08	0.01	0.02
S9627483	323186	1	6	13	55	0.5	1	151	1	5	10	1.99	1	18	16	2	33	6	1	5	2	5	131	0.19	0.02	1.17	0.07	0.01	0.02
S9627484	323187	1	14	6	5	0.5	6	369	1	5	8	0.45	1	7	12	14	7	2	1	161	3	3	927	0.25	0.01	0.46	4.3	0.04	0.01
S9627485	323188	1	18	10	42	0.6	2	265	1	5	17	1.74	1	18	11	2	22	9	1	23	8	9	286	0.4	0.01	0.88	0.62	0.03	0.04
S9627486	323190	1	21	9	44	0.2	24	305	1	7	24	1.77	1	18	16	2	21	2	2	39	12	11	367	0.38	0.01	0.9	0.86	0.03	0.04
S9627487	323191	1	8	8	28	0.2	8	132	1	4	11	1.25	1	12	13	7	18	1	1	5	2	6	138	0.23	0.01	0.74	0.1	0.01	0.02
S9627488	323192	1	25	11	40	0.4	1	243	1	4	19	1.16	1	12	23	2	13	12	1	111	8	6	514	0.39	0.01	0.65	2.21	0.04	0.06
S9627489	323193	1	3	2	17	0.2	11	66	1	2	7	1.05	1	10	27	2	15	1	4	5	1	4	79	0.16	0.01	0.59	0.08	0.01	0.01
S9627490	323194	1	17	9	39	0.4	23	217	1	6	16	1.53	1	15	11	2	16	1	5	21	7	8	234	0.37	0.01	0.75	0.83	0.03	0.03
S9627491	323195	1	20	2	29	0.6	3	217	1	1	9	0.55	4	4	8	2	4	2	2	152	1	1	507	0.23	0.01	0.14	3.27	0.02	0.01
S9627492	323196	1	17	2	6	0.2	16	285	1	2	9	0.42	1	5	2	2	6	4	1	174	3	3	491	0.23	0.01	0.38	4.63	0.03	0.01
S9627493	323197	1	11	6	31	0.2	24	146	1	4	15	1.34	1	16	11	2	19	9	1	26	6	8	206	0.35	0.01	0.84	0.53	0.03	0.03
S9627494	323198	1	21	8	58	0.6	9	425	1	9	26	2.63	1	27	15	2	34	5	4	74	18	18	423	0.4	0.01	1.8	1.15	0.03	0.03
S9627495	323199	1	8	7	35	0.2	15	150	1	5	14	1.26	1	16	16	2	16	6	1	8	5	10	205	0.27	0.01	0.74	0.13	0.01	0.02
S9627496	323200	1	9	2	2	0.2	5	264	1	1	7	0.28	1	2	24	2	4	9	1	87	3	3	139	0.09	0.01	0.52	2.14	0.04	0.01
S9627497	323201	1	6	6	25	0.2	4	137	1	4	12	1.27	1	16	2	17	16	1	4	35	4	6	119	0.31	0.01	0.67	0.9	0.03	0.03
S9627498	323202	1	9	2	23	0.2	8	243	1	2	8	0.78	1	9	18	14	9	1	4	75	3	4	367	0.27	0.01	0.55	2.59	0.03	0.02
S9627499	323203	1	19	5	17	0.2	14	144	1	2	11	0.8	1	7	22	2	9	1	5	62	5	4	529	0.18	0.01	0.47	1.45	0.04	0.02
S9627500	323204	1	18	4	15	0.2	1	252	1	4	17	0.79	1	8	28	2	10	1	1	144	6	5	454	0.29	0.01	0.63	3.67	0.03	0.01
S9627501	323205	1	30	7	35	0.6	13	210	1	6	23	1.92	1	19	7	2	22	5	1	25	15	13	243	0.37	0.03	0.96	0.57	0.04	0.02
S9627502	323206	1	15	9	35	0.6	13	183	1	5	14	1.86	2	18	27	2	29	4	2	19	5	10	153	0.31	0.02	0.94	0.33	0.03	0.02
S9627503	323207	1	11	14	30	0.2	7	174	1	9	15	1.81	1	10	22	2	13	8	1	19	6	9	212	0.22	0.01	0.71	0.38	0.03	0.03
S9627504	323208	1	11	6	28	0.2	15	119	1	3	12	1.47	1	12	17	2	20	2	1	11	2	6	116	0.23	0.01	0.81	0.26	0.03	0.03
S9627505	326876	1	4	5	12	0.2	9	67	1	1	4	0.48	1	5	9	2	9	1	1	4	1	8	36	0.07	0.01	0.42	0.05	0.01	0.02
S9627506	326877	1	14	8	32	0.2	8	243	1	4	16	1.53	1	17	15	2	20	2	3	12	8	11	117	0.27	0.01	1.05	0.27	0.03	0.03
S9627507	326878	1	3	5	19	0.2	10	49	1	2	7	0.96	5	10	25	2	17	2	3	4	2	9	72	0.19	0.01	0.62	0.06	0.01	0.02
S9627508	326879	1	5	10	25	0.5	3	83	1	2	7	1.15	1	12	23	2	23	5	1	4	2	9	81	0.17	0.01	0.84	0.04	0.01	0.03
S9627509	326880	1	13	2	11	0.5	8	289	1	2	6	1.17	1	7	18	2	13	1	1	138	7	5	67	0.18	0.01	0.42	3.77	0.03	0.01
S9627510	326881	1	18	5	15	0.4	28	295	1	5	8	2.2	1	9	9	2	11	3	1	120	7	7	1554	0.2	0.01	0.63	3.2	0.03	0.02
S9627511	326882	1	25	5	24	0.2	20	308	1	3	9	0.69	1	9	14	2	7	1	1	109	11	8	516	0.22	0.01	0.49	3.23	0.02	0.02
S9627512	326883	1	21	11	39	0.5	1	282	1	5	21	1.52	2	15	5	2	16	3	1	22	8	8	264	0.41	0.01	0.75	0.99	0.03	0.03
S9627513	326884	1	19	2	7	0.2	15	432	1	1	8	0.25	1	4	18	7	3	1	1	16									

Labno,Fieldno,Mat,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

S9627515	326886	1	16	7	32	0.6	18	265	1	6	12	-1.28	1	13	8	2	18	7	4	52	4	6	480	0.25	0.01	0.73	1.25	0.03	0.01
S9627516	326887	1	37	6	32	0.5	12	384	1	5	12	0.9	1	10	17	2	9	2	1	147	14	11	768	0.24	0.01	0.9	4.25	0.03	0.03
S9627517	326888	1	26	7	35	0.2	18	193	1	6	11	1.18	1	13	19	2	15	7	1	47	10	11	494	0.26	0.01	0.73	1.14	0.03	0.04
S9627518	326889	1	12	2	27	0.2	8	232	1	2	9	1.33	1	11	21	2	8	1	1	72	7	6	257	0.21	0.01	0.53	1.95	0.03	0.02
S9627519	326890	1	6	8	31	0.4	8	74	1	4	10	1.75	2	17	20	2	27	1	1	8	2	8	125	0.27	0.01	1.02	0.1	0.01	0.03
S9627520	326891	1	7	7	29	0.2	16	52	1	2	11	1.89	1	14	12	2	28	1	1	3	1	8	97	0.18	0.01	0.83	0.03	0.01	0.02
S9627521	326892	1	11	4	11	0.2	1	505	1	1	5	0.4	1	2	2	2	2	2	3	115	5	5	46	0.12	0.01	0.43	3.3	0.03	0.03
S9627522	326893	1	4	5	26	0.2	1	77	1	2	8	1.28	3	10	2	2	21	1	1	4	1	4	82	0.16	0.01	0.66	0.07	0.01	0.02
S9627523	326894	1	8	2	30	0.2	1	78	1	1	8	1.36	3	13	2	2	22	1	1	5	1	5	95	0.23	0.01	0.75	0.06	0.02	0.02
S9627524	326895	1	8	2	27	0.2	1	62	1	3	12	1.78	1	14	2	2	20	1	1	2	1	6	133	0.22	0.01	0.83	0.02	0.01	0.04
S9627525	326896	1	7	6	31	0.2	4	82	1	3	11	1.69	1	16	2	7	22	1	1	5	2	6	107	0.22	0.01	1.14	0.07	0.01	0.03
S9627547	337155	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
S9627548	337156	1	21	7	27	0.2	1	308	1	4	15	1.17	4	11	2	2	11	3	1	75	7	7	1009	0.27	0.01	0.68	2.34	0.02	0.02
S9627549	337157	1	21	8	24	0.2	1	295	1	3	21	1.24	3	14	2	2	13	2	1	47	22	18	361	0.26	0.01	0.83	1.49	0.02	0.01
S9627550	337158	1	4	11	32	0.2	1	58	1	3	7	1.76	5	15	2	5	25	1	1	4	2	5	131	0.23	0.02	0.84	0.06	0.01	0.02
S9627551	337159	1	8	8	23	0.2	5	60	1	2	8	1.45	1	11	2	2	22	2	2	4	1	4	87	0.19	0.01	0.6	0.09	0.01	0.03
S9627552	337160	1	43	2	20	0.4	2	553	1	5	21	1.19	2	12	2	2	9	7	1	152	11	8	771	0.22	0.01	0.86	4.44	0.02	0.01
S9627553	337161	1	12	2	15	0.2	1	401	1	1	6	0.21	1	2	2	2	3	1	1	148	2	2	1296	0.14	0.01	0.37	4.93	0.03	0.01
S9627554	337162	1	4	5	24	0.2	7	99	1	2	9	1.29	5	11	2	2	14	3	1	6	1	5	110	0.22	0.01	0.75	0.13	0.01	0.02
S9627555	337163	1	14	2	44	0.4	11	383	1	5	14	1.5	2	17	2	6	17	1	1	47	8	9	371	0.29	0.01	0.88	1.43	0.01	0.01
S9627556	337164	1	4	7	40	0.2	4	225	1	5	10	1.64	1	15	2	2	25	1	2	13	3	10	169	0.21	0.02	0.96	0.23	0.01	0.02
S9627557	337165	1	4	4	26	0.2	1	44	1	1	8	1.33	2	11	2	8	24	3	1	3	1	6	95	0.21	0.01	0.65	0.03	0.01	0.02
S9627558	337166	1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
S9627559	337167	1	2	2	4	0.2	1	45	1	1	1	0.23	1	2	2	2	3	1	2	3	1	3	12	0.02	0.01	0.29	0.02	0.02	0.01
S9627560	337168	1	11	4	4	0.2	1	427	1	1	5	0.36	1	2	2	9	3	1	5	137	3	3	101	0.13	0.01	0.58	4.47	0.03	0.01
S9627561	337169	1	10	2	11	0.2	1	307	1	1	4	0.29	1	4	7	2	1	2	2	173	1	1	399	0.16	0.01	0.32	5.1	0.02	0.02
S9627562	337170	1	14	11	22	0.2	16	202	1	2	8	1	1	10	2	2	12	3	2	85	5	5	342	0.2	0.01	0.7	2.36	0.03	0.01
S9627563	337171	1	15	2	3	0.2	1	186	1	1	6	0.56	3	2	2	8	3	4	1	47	1	2	84	0.01	0.01	0.24	1	0.02	0.01
S9627566	337174	1	10	7	33	0.2	16	166	1	2	12	1.34	1	14	2	2	16	1	1	11	8	10	158	0.27	0.01	0.75	0.24	0.01	0.02
S9627567	337175	1	8	12	44	0.2	2	79	1	2	12	2.87	3	17	2	2	33	1	1	3	1	5	155	0.21	0.01	1.29	0.03	0.01	0.03
S9627568	337176	1	3	7	19	0.2	1	66	1	1	7	1.13	2	10	11	2	16	6	1	4	1	5	69	0.17	0.01	0.75	0.06	0.01	0.01
S9627569	337177	1	5	2	28	0.2	10	56	1	2	10	1.67	2	14	2	2	26	9	1	3	1	5	87	0.21	0.01	0.79	0.03	0.01	0.03
S9627570	337178	1	10	2	27	0.2	4	99	1	3	11	1.42	6	13	9	2	14	1	1	4	1	5	115	0.26	0.01	0.68	0.05	0.01	0.02
S9627571	337179	1	5	9	32	0.2	1	119	1	2	6	1.13	1	10	2	5	16	9	1	4	1	5	116	0.14	0.01	0.56	0.04	0.01	0.02
S9627572	337180	1	6	2	23	0.2	1	73	1	1	6	1.11	1	9	2	2	17	3	2	5	1	4	71	0.12	0.01	0.45	0.09	0.01	0.02
S9627573	337181	1	36	8	80	0.4	6	449	1	8	28	3.11	11	27	2	2	32	1	1	20	12	17	841	0.36	0.01	1.66	0.36	0.02	0.1
S9627574	337182	1	29	19	49	0.2	1	287	1	13	25	2.27	2	19	2	2	25	1	1	13	8	13	693	0.28	0.01	1.1	0.17	0.01	0.08
S9627575	337183	1	23	7	55	0.2	15	294	1	5	20	1.99	4	20	2	2	23	1	2	14	10	15	339	0.32	0.01	1.17	0.21	0.01	0.06
S9627576	337184	1	24	13	89	0.6	6	344	1	10	25	3.34	2	24	2	2	34	1	1	10	6	12	1234	0.27	0.01	1.4	0.1	0.01	0.08
S9627577	337185	1	7	5	32	0.2	4	93	1	2	8	1.36	1	13	2	2	19	1	1	4	1	6	154	0.23	0.01	0.7	0.05	0.01	0.04
S9627578	337186	1	6	9	37	0.2	14	142	1	4	10	1.36	1	12	11	2	20	1	1	5	1	6	143	0.21	0.01	0.82	0.06	0.01	0.03
S9627579	337187	1	6	10	46	0.5	23	105	1	6	10	1.66	1	13	14	2	23	1	1	3	1	6	264	0.2	0.01	0.82	0.04	0.01	0.04
S9627580	337188	1	3	2	22	0.2	11	65	1	2	8	1.08	1	10	13	2	21	1	2	4	1	5	90	0.17	0.02	0.53	0.06	0.01	0.02
S9627581	337189	1	2	9	19	0.2	21	50	1	3	7	1	1	9	17	2	20	6	1	2	1	5	85	0.16	0.01	0.52	0.03	0.01	0.02
S9627582	337190	1	3	7	28	0.5	9	60	1	2	9	1.78	1	13	14	2	28	2	1	2	1	6	79	0.16	0.01	0.91	0.01	0.01	0.01
S9627583	337191	1	6	12	54	0.2	11	140	1	4	12	1.9	1	16	15	2	29	1	1	5	1	6	118	0.18	0.01	1.23	0.07	0.01	0.02
S9627584	337192	1	4	2	26	0.2	1	78	1	3	10	1.17	1	12	9	2	19	1	1	3	1	7	80	0.19	0.01	0.83	0.05	0.01	0.02
S9627585	337193	1	24	4	42	0.5	28	379	1	5	17	1.41	1	17	11	2	18	6	1	94	15	14	278	0.39	0.01	0.96	1.47	0.03	0.03
S9627586	337193	1	24	4	42	0.5	28	379	1	5	17	1.41	1	17	11	2	18	6	1	94	15	14	278	0.39	0.01	0.96	1.47	0.03	0.03
S9627586	337194	1	21	9	63	0.7	15	395	1	6	17	2.01	3	15	17	2	19	7	1	116	8	6	2624	0.4	0.01	0.91	2.23	0.03	0.04
S9627587	337195	1	12	2	18	0.2	12	260	1	2	4	0.2	1	2	28	9	3	1	1	189	1	2	809	0.25	0.01	0.23	4.86	0.03	0.02
S9627588	337196	1	24	6	67	0.5	7	160	1	7	21	1.72	1	16	16	2	20	4	1	26	9	11	390	0.48	0.01	0.81	0.84	0.01	0.09
S9627589	337197	1	20	10	58	0.2	15	165	1	6	19	1.5	1	15	19	2	17	1	1	25	9	9	296	0.45	0.01	0.74	0.84	0.01	0.07
S9627590	337198	1	11	2	17	0.2	17	282	1	2	9	0.67	1	6	6	2	11	8	1	97	5	5	85	0.28	0.01	0.7	2.73	0.03	0.01
S9627592	337200	1	13	2	4																								

Labno,Fieldno,Mat,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

S9627593	337201	1	1	8	11	0.4	1	44	1	1	4	0.54	1	8	24	2	18	2	1	3	1	4	36	0.07	0.03	0.34	0.03	0.01	0.01
S9627594	337202	1	15	2	16	0.2	16	249	1	2	12	0.47	1	4	27	2	4	1	1	131	8	7	519	0.27	0.01	0.52	3.39	0.02	0.01
S9627595	337203	1	7	2	18	0.2	3	368	1	3	5	0.22	1	2	20	2	2	1	1	121	1	2	3069	0.27	0.01	0.25	4.84	0.02	0.01
S9627596	337204	1	20	2	32	0.2	1	343	1	5	16	1.02	2	11	11	2	12	1	1	82	7	6	1087	0.3	0.01	0.66	2.51	0.03	0.02
S9627597	337205	1	7	7	28	0.2	9	137	1	6	12	1.18	1	12	31	6	14	1	1	6	2	7	252	0.25	0.01	0.71	0.12	0.01	0.02
S9627598	337206	1	9	6	31	0.2	1	98	1	4	12	1.41	1	15	35	2	17	1	1	5	2	6	126	0.29	0.01	0.89	0.06	0.01	0.02
S9627599	337207	1	7	13	33	0.2	13	99	1	4	13	1.93	3	17	8	2	29	10	1	4	2	6	112	0.25	0.01	1.07	0.04	0.01	0.02
S9627600	337208	1	4	4	23	0.5	1	75	1	2	9	1.09	1	11	12	2	17	1	1	3	1	5	72	0.16	0.01	0.73	0.05	0.01	0.02
S9627601	337209	1	19	13	27	0.4	8	198	1	4	12	1.06	3	10	9	2	12	1	2	36	6	6	191	0.21	0.01	0.6	0.85	0.03	0.03
S9627602	337210	1	31	2	14	0.2	3	382	2	5	17	0.84	1	7	12	2	12	1	1	131	4	4	577	0.2	0.01	0.58	3.67	0.06	0.01
S9627603	337211	1	18	10	42	0.2	13	217	1	6	16	1.18	1	11	14	2	14	5	2	50	8	6	327	0.49	0.01	0.64	1.58	0.02	0.04
S9627604	337212	1	21	2	45	0.4	10	225	1	5	18	1.3	1	14	11	2	16	1	1	44	8	7	262	0.42	0.01	0.7	1.75	0.03	0.04
S9627605	337213	1	16	6	31	0.2	10	265	1	3	15	1.23	1	12	8	2	15	5	1	58	8	7	196	0.27	0.01	0.83	1.36	0.03	0.02
S9627606	337214	1	19	2	37	0.2	20	185	1	5	13	1.12	1	9	12	2	11	6	1	28	6	5	231	0.33	0.01	0.49	1.47	0.01	0.02
S9627607	337216	1	7	7	43	0.2	1	123	1	4	16	1.78	6	16	5	6	23	1	1	4	2	5	120	0.22	0.01	1.11	0.05	0.01	0.02
S9627608	337217	1	2	2	16	0.5	14	40	1	1	6	0.77	3	9	2	2	12	1	4	2	1	5	52	0.16	0.01	0.52	0.03	0.01	0.01
S9627609	337218	1	4	2	37	0.2	9	61	1	3	10	1.26	3	11	2	7	20	1	2	3	1	4	97	0.19	0.02	0.61	0.04	0.01	0.03
S9627610	337219	1	10	2	6	0.5	6	428	1	1	7	0.19	3	2	2	8	2	1	1	226	1	1	363	0.29	0.01	0.37	4.46	0.03	0.01
S9627611	337220	1	10	2	34	0.2	9	129	1	4	12	1.18	4	15	2	2	17	1	3	42	3	4	283	0.39	0.01	0.75	0.87	0.03	0.03
S9627612	337221	1	2	4	27	0.2	2	88	1	1	6	1.12	3	9	2	2	22	1	1	2	1	4	54	0.11	0.01	0.63	0.02	0.01	0.01
S9627613	337222	1	7	12	47	0.2	19	82	1	5	13	1.89	3	13	2	13	22	1	4	5	2	6	224	0.15	0.01	0.95	0.07	0.01	0.02
S9627747	337810	1	24	10	46	0.2	10	461	1	6	17	1.39	1	16	2	2	13	1	1	60	10	8	441	0.27	0.01	0.8	1.32	0.03	0.02
S9627748	337811	1	4	6	26	0.2	1	83	1	3	6	1.04	2	10	2	2	19	1	1	3	1	5	85	0.17	0.01	0.6	0.04	0.01	0.01
S9627749	337812	1	28	6	24	0.2	4	449	1	3	17	0.83	4	11	5	2	9	1	1	86	11	9	291	0.21	0.01	0.79	2.29	0.03	0.02
S9627750	337813	1	23	7	48	0.2	20	309	1	6	19	1.34	3	14	2	2	13	1	1	42	7	7	719	0.23	0.01	0.9	0.99	0.03	0.02
S9627751	337814	1	5	2	31	0.2	9	125	1	3	7	1.3	3	11	2	2	19	1	7	5	6	39	204	0.13	0.01	0.51	0.07	0.01	0.04
S9627752	337815	1	11	10	36	0.2	1	206	1	6	21	1.77	5	21	2	18	19	9	1	9	2	3	281	0.3	0.01	0.78	0.25	0.01	0.03
S9627753	337816	1	9	2	32	0.2	20	179	1	4	11	1.22	4	10	2	2	14	1	3	5	1	4	276	0.16	0.01	0.6	0.08	0.01	0.02
S9627754	337817	1	26	4	60	0.2	10	152	1	7	22	1.51	2	19	2	5	14	1	3	25	5	6	597	0.32	0.01	0.68	0.64	0.01	0.04
S9627755	337818	1	24	4	20	0.2	15	468	1	5	15	0.94	2	10	2	2	10	3	2	61	8	6	726	0.17	0.01	0.6	1.99	0.03	0.01
S9627756	337819	1	21	2	28	0.2	8	368	1	4	12	0.82	4	10	2	2	8	1	1	85	4	4	688	0.22	0.01	0.66	2.78	0.04	0.02
S9627757	337820	1	16	7	31	0.2	1	237	1	4	11	1.26	5	11	2	2	15	3	3	19	8	9	270	0.19	0.01	0.77	0.53	0.03	0.02
S9627758	337821	1	12	4	36	0.2	1	148	1	3	11	0.86	1	10	2	2	8	1	1	73	5	5	502	0.23	0.01	0.58	2.27	0.02	0.01
S9627759	337822	1	9	2	11	0.2	1	115	1	1	2	0.35	3	4	2	2	3	1	3	53	1	2	82	0.12	0.01	0.5	1.91	0.05	0.01
S9627760	337823	1	40	2	17	0.6	18	215	1	5	9	0.86	5	9	2	2	8	1	1	100	9	4	779	0.22	0.01	0.68	3.5	0.02	0.01
S9627761	337824	1	25	2	14	0.2	7	189	1	1	7	0.78	5	7	5	2	5	1	1	69	7	6	74	0.14	0.01	0.77	2.05	0.03	0.01
S9627762	337825	1	22	2	14	0.2	2	142	1	1	5	0.28	4	2	5	5	3	1	2	131	3	2	345	0.14	0.01	0.34	5.48	0.02	0.01
S9627763	337826	1	19	2	16	0.2	2	193	1	1	5	0.44	2	6	6	2	3	1	1	124	5	3	262	0.14	0.01	0.54	5.15	0.03	0.01
S9627764	337827	1	26	6	35	0.2	5	228	1	3	15	1.21	3	13	2	5	13	1	1	63	7	6	305	0.27	0.01	0.78	2.3	0.03	0.03
S9627765	337828	1	27	2	13	0.2	1	411	1	2	10	0.58	1	7	2	8	8	1	2	140	4	3	1080	0.17	0.01	0.55	4.16	0.03	0.01
S9627766	337829	1	9	8	34	0.2	12	144	1	3	14	1.12	2	17	2	2	14	1	1	17	4	6	320	0.28	0.01	0.72	0.42	0.02	0.02
S9627767	337830	1	19	5	19	0.2	4	367	1	3	13	0.82	3	10	5	2	10	1	1	90	6	5	242	0.2	0.01	0.65	3.72	0.02	0.01
S9627768	337831	1	5	7	30	0.2	7	157	1	3	4	1.19	3	13	9	7	25	3	1	19	1	4	159	0.21	0.02	0.7	0.48	0.02	0.02
S9627769	337832	1	20	4	15	0.2	7	411	1	4	13	0.84	4	9	2	2	9	1	1	141	7	5	704	0.2	0.01	0.73	3.8	0.03	0.01
S9627770	337833	1	30	7	29	0.2	15	187	1	3	15	1.01	5	10	7	2	9	1	2	101	7	5	499	0.25	0.01	0.64	2.71	0.03	0.02
S9627771	337834	1	45	2	26	0.6	11	201	1	4	14	0.88	2	9	2	2	8	1	1	119	11	10	366	0.21	0.01	0.74	3.56	0.03	0.01
S9627772	337835	1	43	4	26	0.5	4	831	2	8	21	0.97	10	8	2	2	7	1	2	131	7	5	14975	0.2	0.01	0.5	4.46	0.02	0.01
S9627773	337836	1	16	2	6	0.2	4	271	1	1	4	0.27	1	4	8	2	5	1	1	116	3	3	175	0.16	0.01	0.52	3.85	0.03	0.01
S9627774	337837	1	21	4	40	0.4	8	174	1	4	17	1.29	2	14	2	2	15	1	2	31	8	8	339	0.29	0.01	0.7	0.87	0.03	0.03
S9627775	337838	1	20	2	19	0.2	2	455	1	2	9	0.43	1	5	2	8	4	1	1	133	4	4	934	0.22	0.01	0.52	4.63	0.03	0.01
S9627776	337839	1	4	4	18	0.2	11	72	1	1	8	0.85	1	10	2	6	14	1	2	4	1	5	74	0.16	0.01	0.58	0.08	0.01	0.01
S9627777	337840	1	7	7	45	0.2	1	122	1	3	14	1.72	3	15	10	2	21	1	1	4	2	7	136	0.21	0.01	1.02	0.04	0.01	0.02
S9627778	337841	1	6	9	40	0.2	15	80	1	3	14	1.8	5	17	2	7	20	1	1	5	3	6	114	0.25	0.01	1	0.09	0.01	0.02
S9627779	337842	1	5	9	38	0.4	9	108	1	5	9	1.55	3	12	6	2	22	1	1	5	1	5	251	0.16	0.02	0.66	0.08		

Labno,Fieldno,Mat,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

S9627781	337844	1	21	9	68	0.6	22	232	1	8	22	2.21	5	20	2	2	24	1	1	8	3	6	649	0.28	0.01	1.07	0.11	0.02	0.06
S9627782	337845	1	14	9	36	0.2	1	151	1	5	14	1.56	1	11	9	2	23	1	1	5	4	8	292	0.16	0.02	0.65	0.05	0.02	0.03
S9627783	337846	1	4	2	11	0.2	1	48	1	1	4	0.7	4	6	2	2	14	1	2	2	1	4	44	0.08	0.01	0.47	0.04	0.03	0.02
S9627784	337847	1	14	7	37	0.2	6	85	1	4	20	1.67	3	17	2	2	19	1	1	5	4	6	144	0.25	0.01	0.84	0.09	0.01	0.02
S9627785	326897	1	2	2	10	0.2	13	29	1	1	2	0.32	1	4	10	2	6	1	2	2	1	7	27	0.06	0.01	0.24	0.02	0.02	0.01
S9627786	326898	1	3	6	27	0.2	1	68	1	2	7	1.15	3	11	6	7	21	2	2	3	1	5	77	0.15	0.02	0.63	0.04	0.01	0.01
S9627787	326899	1	4	2	22	0.2	3	81	1	2	9	1.12	4	9	2	8	17	1	1	2	1	5	72	0.13	0.01	0.6	0.02	0.01	0.02
S9627788	326900	1	6	9	35	0.2	25	120	1	3	13	1.37	1	13	2	10	18	1	1	6	2	7	167	0.24	0.01	0.79	0.1	0.01	0.03
S9627789	326901	1	11	6	33	0.2	13	207	1	3	11	1.13	2	12	2	11	16	1	1	10	8	11	218	0.18	0.02	0.68	0.24	0.02	0.02
S9627790	326902	1	21	8	40	0.2	23	103	1	4	17	2.04	2	16	9	7	22	1	1	10	3	5	128	0.27	0.01	1.09	0.27	0.02	0.06
S9627791	326903	1	8	2	28	0.2	1	73	1	3	11	1.43	1	11	5	2	19	1	2	3	1	3	106	0.18	0.01	0.7	0.06	0.01	0.01
S9627792	326904	1	3	5	14	0.2	7	59	1	1	6	0.92	4	7	2	9	20	1	1	2	1	3	53	0.09	0.02	0.54	0.03	0.02	0.01
S9627793	326905	1	16	5	28	0.2	1	110	1	4	17	1.21	4	13	2	10	14	1	2	10	5	6	188	0.23	0.01	0.62	0.18	0.01	0.02
S9627794	326906	1	6	4	29	0.2	4	133	1	2	6	0.77	2	9	6	2	12	1	1	10	2	5	82	0.16	0.01	0.53	0.18	0.03	0.02
S9627795	326907	1	10	6	29	0.2	14	223	1	4	14	1.4	4	16	12	2	16	1	2	9	7	9	126	0.26	0.01	0.78	0.19	0.01	0.01
S9627796	326908	1	6	4	28	0.2	2	69	1	3	9	1.31	4	11	2	2	21	1	1	4	1	5	136	0.14	0.01	0.57	0.06	0.01	0.03
S9627797	326909	1	4	9	20	0.5	11	52	1	2	8	0.93	3	10	5	2	14	1	2	4	2	7	62	0.17	0.01	0.65	0.06	0.01	0.01
S9627798	326910	1	16	4	30	0.5	10	413	1	4	13	0.68	2	9	2	2	8	1	1	183	4	3	3726	0.35	0.01	0.51	3.45	0.03	0.02
S9627799	326911	1	53	8	35	0.6	2	615	1	5	29	1.59	6	19	2	2	19	1	1	170	19	13	718	0.39	0.01	1.24	2.82	0.04	0.01
S9627800	326912	1	9	2	31	0.2	16	87	1	2	12	1.31	3	12	11	5	17	1	2	6	1	4	116	0.22	0.01	0.67	0.11	0.01	0.02
S9627801	326913	1	9	2	30	0.2	5	91	1	3	12	1.02	2	11	2	7	12	1	2	6	2	3	97	0.18	0.01	0.59	0.1	0.01	0.01
S9627802	326914	1	4	4	17	0.5	3	95	1	2	7	0.63	4	8	5	5	10	1	3	14	1	3	150	0.16	0.01	0.43	0.28	0.02	0.01
S9627803	326915	1	9	2	4	0.4	1	308	1	1	6	0.21	3	2	2	2	1	1	3	181	2	3	319	0.23	0.01	0.45	4.96	0.02	0.01
S9627804	326916	1	26	6	41	0.2	18	316	1	6	19	1.38	4	15	8	2	14	1	1	65	8	8	515	0.58	0.01	0.75	2.35	0.02	0.05
S9627805	326917	1	21	2	10	0.2	1	328	1	1	12	0.45	3	6	2	2	5	1	2	136	3	3	780	0.2	0.01	0.65	3.75	0.03	0.01
S9627806	326918	1	23	2	29	0.4	1	331	1	1	13	0.43	3	5	2	2	3	1	1	145	2	3	471	0.23	0.01	0.47	4.45	0.03	0.02
S9627807	326919	1	17	5	36	0.4	10	354	1	4	14	0.91	6	10	2	5	9	1	1	117	6	5	651	0.31	0.01	0.66	3.64	0.03	0.02
S9627808	326920	1	10	2	4	0.2	1	370	1	1	6	0.23	1	2	2	2	2	1	3	149	2	2	678	0.17	0.01	0.44	4.5	0.04	0.01
S9627809	326921	1	21	2	8	0.2	1	492	1	2	10	0.36	2	2	2	2	4	1	1	166	4	4	1059	0.25	0.01	0.58	4.6	0.03	0.01
S9627810	326922	1	15	2	22	0.2	17	783	2	5	10	0.56	7	2	12	2	8	1	1	123	2	2	6342	0.22	0.01	0.28	3.68	0.04	0.01
S9627811	326923	1	14	2	16	0.2	3	206	1	1	7	0.15	2	2	7	7	3	1	1	156	1	1	176	0.21	0.01	0.15	4.5	0.03	0.01
S9627812	326924	1	19	4	24	0.2	7	344	1	3	13	0.81	5	10	2	2	9	1	1	111	7	6	212	0.27	0.01	0.66	3.32	0.02	0.02
S9627813	326925	1	15	5	34	0.2	9	216	1	4	20	1.67	3	19	2	14	20	1	6	17	14	12	176	0.33	0.01	1.02	0.36	0.01	0.02
S9627814	326926	1	21	4	31	0.2	19	316	1	4	17	1.14	3	14	9	7	13	1	1	104	8	6	246	0.38	0.01	0.81	2.35	0.02	0.04
S9627815	326927	1	9	2	5	0.2	2	463	1	3	6	0.31	1	2	2	2	4	1	1	270	1	1	2449	0.33	0.01	0.31	5.72	0.03	0.01
S9627816	326928	1	12	5	24	0.2	7	217	1	3	13	1.07	3	11	2	7	12	1	1	53	7	7	135	0.26	0.01	0.73	1.26	0.04	0.02
S9627817	326929	1	6	8	25	0.5	3	146	1	3	12	1.12	2	12	2	2	21	1	1	8	1	6	93	0.22	0.01	0.82	0.15	0.01	0.02
S9627818	326930	1	18	2	43	0.2	15	387	1	5	18	1.61	3	18	2	6	20	1	1	50	7	8	449	0.4	0.01	0.91	1.17	0.01	0.03
S9627819	326931	1	12	2	38	0.2	18	576	1	3	11	1.21	5	8	2	2	8	1	1	182	4	3	6670	0.36	0.01	0.53	3.3	0.03	0.03
S9627820	326932	1	13	2	40	0.2	1	609	2	6	9	1.6	4	6	2	8	12	1	1	192	3	3	5542	0.32	0.01	0.43	3.43	0.03	0.04
S9627821	326933	1	28	8	66	0.2	14	149	1	6	24	1.78	5	15	2	2	19	1	3	50	8	8	469	0.62	0.01	0.8	2.29	0.01	0.09
S9627822	326934	1	4	8	36	0.2	10	107	1	3	10	1.36	5	14	7	2	19	1	1	6	2	5	101	0.23	0.02	0.78	0.12	0.01	0.02
S9627823	326935	1	13	7	41	0.2	8	238	1	5	20	2.11	4	22	9	12	24	1	1	18	8	11	212	0.44	0.02	1.01	0.37	0.01	0.02
S9627824	326936	1	12	2	4	0.2	12	273	1	1	6	0.36	1	4	2	2	3	1	1	185	2	3	118	0.23	0.01	0.62	4.07	0.03	0.01
S9627825	326937	1	4	4	38	0.2	3	81	1	3	12	1.19	1	15	2	13	16	1	2	8	2	7	105	0.3	0.01	0.85	0.14	0.01	0.03
S9627826	326938	1	9	5	27	0.2	14	127	1	3	14	1.3	3	18	2	2	17	1	1	12	4	9	149	0.36	0.01	0.82	0.21	0.01	0.01
S9627827	326939	1	7	9	26	0.2	17	131	1	3	9	1.18	4	13	10	2	11	1	3	10	2	7	113	0.23	0.01	0.79	0.25	0.01	0.03
S9627828	326940	1	24	9	41	0.5	4	283	1	5	20	1.54	5	17	2	2	19	1	2	27	9	10	218	0.4	0.01	0.99	1.11	0.02	0.04
S9627829	326941	1	13	2	28	0.2	1	226	1	2	13	1.08	4	13	2	2	12	6	1	82	6	5	289	0.3	0.01	0.75	2.1	0.04	0.02
S9627830	326942	1	22	2	31	0.2	6	826	1	2	14	0.26	5	2	5	2	2	1	1	178	2	1	10572	0.25	0.01	0.2	4.54	0.03	0.03
S9627831	326943	1	29	6	61	0.4	13	214	1	6	20	1.69	5	15	5	2	18	5	1	28	8	7	387	0.44	0.01	0.83	0.88	0.03	0.04
S9627832	326944	1	20	2	34	0.2	1	268	1	4	18	1	4	11	2	2	11	1	2	100	7	5	415	0.36	0.01	0.6	2.51	0.02	0.02
S9627833	326945	1	24	6	54	0.2	6	210	1	5	24	1.64	1	17	2	2	18	1	2	43	8	8	372	0.57	0.01	0.86	2.51	0.03	0.04
S9627834	326946	1	19	6	42	0.2	11	330	1	6	20	1.66	2	16	2	2	18	1	1	116	9	9	1089	0.42	0.01	1.01			

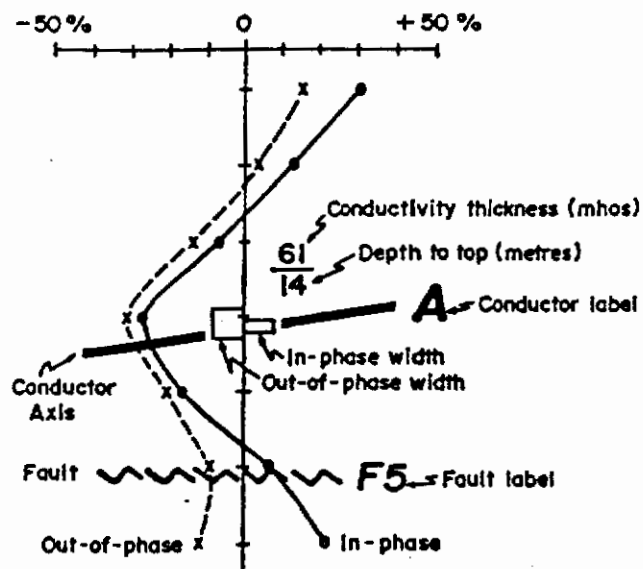
Labno,Fieldno,Mat,Cu,Pb,Zn,Ag,As,Ba,Cd,Co,Ni,Fe,Mo,Cr,Bi,Sb,V,Sn,W,Sr,Y,La,Mn,Mg,Ti,Al,Ca,Na,K

S9627836	326948	1	8	8	32	0.5	3	149	1	4	15	1.55	2	15	2	2	17	1	4	5	2	7	116	0.25	0.01	1.01	0.08	0.01	0.02
S9627837	326949	1	17	12	44	0.2	14	406	1	6	21	2.04	3	19	2	6	26	1	1	18	10	12	193	0.3	0.01	1.23	0.45	0.02	0.02
S9627838	326950	1	7	8	35	0.2	11	125	1	4	14	1.44	6	14	7	8	18	1	2	8	3	7	103	0.28	0.01	0.82	0.14	0.01	0.01
S9627839	326951	1	12	9	38	0.2	5	133	1	4	17	1.59	1	15	6	2	16	1	1	5	3	7	127	0.26	0.01	1.05	0.08	0.01	0.02
S9627840	326952	1	12	9	57	0.2	13	156	1	4	14	1.42	7	13	13	10	15	1	1	14	6	7	271	0.26	0.01	0.68	0.23	0.01	0.05
S9627841	326953	1	18	6	30	0.2	8	135	1	4	13	1.9	4	12	2	2	14	1	2	24	2	5	203	0.28	0.01	0.78	0.14	0.01	0.09
S9627842	326954	1	19	20	34	0.2	8	522	1	5	12	1.01	6	8	2	2	9	1	1	39	34	30	311	0.22	0.01	0.55	0.6	0.01	0.05
S9627843	326955	1	36	13	53	0.2	1	325	1	10	23	2.66	3	12	2	5	7	1	1	22	6	8	1959	0.33	0.01	1.13	0.31	0.01	0.11
S9627844	326956	1	79	20	45	0.4	19	170	1	11	25	3.5	1	13	2	2	9	1	1	13	6	9	1179	0.47	0.01	1.13	0.18	0.01	0.09
S9627845	326957	1	31	6	109	0.2	1	69	1	9	24	1.19	5	11	2	9	13	1	1	5	6	10	146	0.27	0.01	0.69	0.08	0.01	0.02
S9627846	326958	1	5	4	30	0.4	3	81	1	2	9	1.35	4	13	2	5	19	1	1	3	1	5	86	0.19	0.02	0.76	0.05	0.01	0.01
S9627847	326959	1	7	2	27	0.2	16	155	1	3	13	1.43	5	13	2	2	19	1	1	5	1	4	116	0.21	0.01	0.92	0.06	0.01	0.01
S9627848	326960	1	10	2	22	0.2	3	135	1	3	15	1.06	5	15	2	5	13	1	1	8	4	6	138	0.22	0.01	0.6	0.15	0.01	0.01
S9627849	326961	1	8	5	27	0.2	17	144	1	2	11	1.12	2	14	2	6	14	1	1	9	6	8	90	0.24	0.01	0.65	0.17	0.01	0.01
S9627850	326962	1	4	2	22	0.2	5	75	1	2	7	1.13	2	10	2	2	17	1	1	3	1	3	73	0.15	0.01	0.69	0.04	0.01	0.01
S9627851	326963	1	3	5	28	0.2	6	53	1	1	3	0.93	3	9	9	5	17	1	1	2	1	3	60	0.09	0.01	0.59	0.02	0.01	0.01
S9627852	326964	1	3	9	20	0.4	9	77	1	1	6	0.97	7	9	7	2	15	1	1	2	1	4	48	0.1	0.01	0.64	0.02	0.01	0.01
S9627853	326965	1	2	2	13	0.2	1	87	1	1	8	0.65	3	7	2	2	10	1	1	4	1	4	40	0.1	0.01	0.63	0.06	0.01	0.01
S9627854	326966	1	5	8	25	0.2	13	65	1	2	10	1.38	2	14	2	2	19	1	1	3	1	4	80	0.18	0.01	0.77	0.03	0.01	0.01
S9627855	326967	1	10	2	11	0.2	12	273	1	2	7	0.8	1	7	2	2	4	1	1	120	4	3	1147	0.15	0.01	0.6	2.46	0.03	0.01
S9627856	326968	1	9	7	45	0.2	9	293	1	8	13	1.48	6	14	9	7	18	1	1	15	4	7	387	0.22	0.01	0.95	0.25	0.01	0.02

APPENDIX IV

HORIZONTAL LOOP EM INTERPRETATION LEGEND

HORIZONTAL LOOP EM INTERPRETATION LEGEND



APPENDIX V
STATEMENT OF EXPENDITURES

HOLMES JV

<u>EXPENDITURE ITEM</u>	<u>COST \$</u>
GRID HO96A:	
LINECUTTING	10,656.11
GEOPHYSICS	9,717.12
GEOCHEMISTRY	3,697.44
GRID HO96B:	
LINECUTTING	16,503.01
GEOPHYSICS	17,274.88
GEOCHEMISTRY	4,366.40
DRILLING: (Including Helicopter Time)	
HOLE 96-01	18,112.92
HOLE 96-02	25,988.07
HOLE 96-03	34,650.80
TOTAL	140,966.74

APPENDIX VI
DIAMOND DRILL HOLE UTM LOCATIONS

<u>DRILL HOLE</u>	<u>EASTING</u>	<u>NORTHING</u>
96H-01	499025	6697125
96H-02	448160	6697355
96H-03	447990	6697325

Holmes Joint Venture Geochemistry (Sample Locations) Map 105 A/6&7 1:10,000



FIGURE 4a - GEOCHEMICAL SAMPLE LOCATIONS

Holmes Joint Venture Geochemistry (Pb/Zn) Map 105 A/6&7 1:10,000

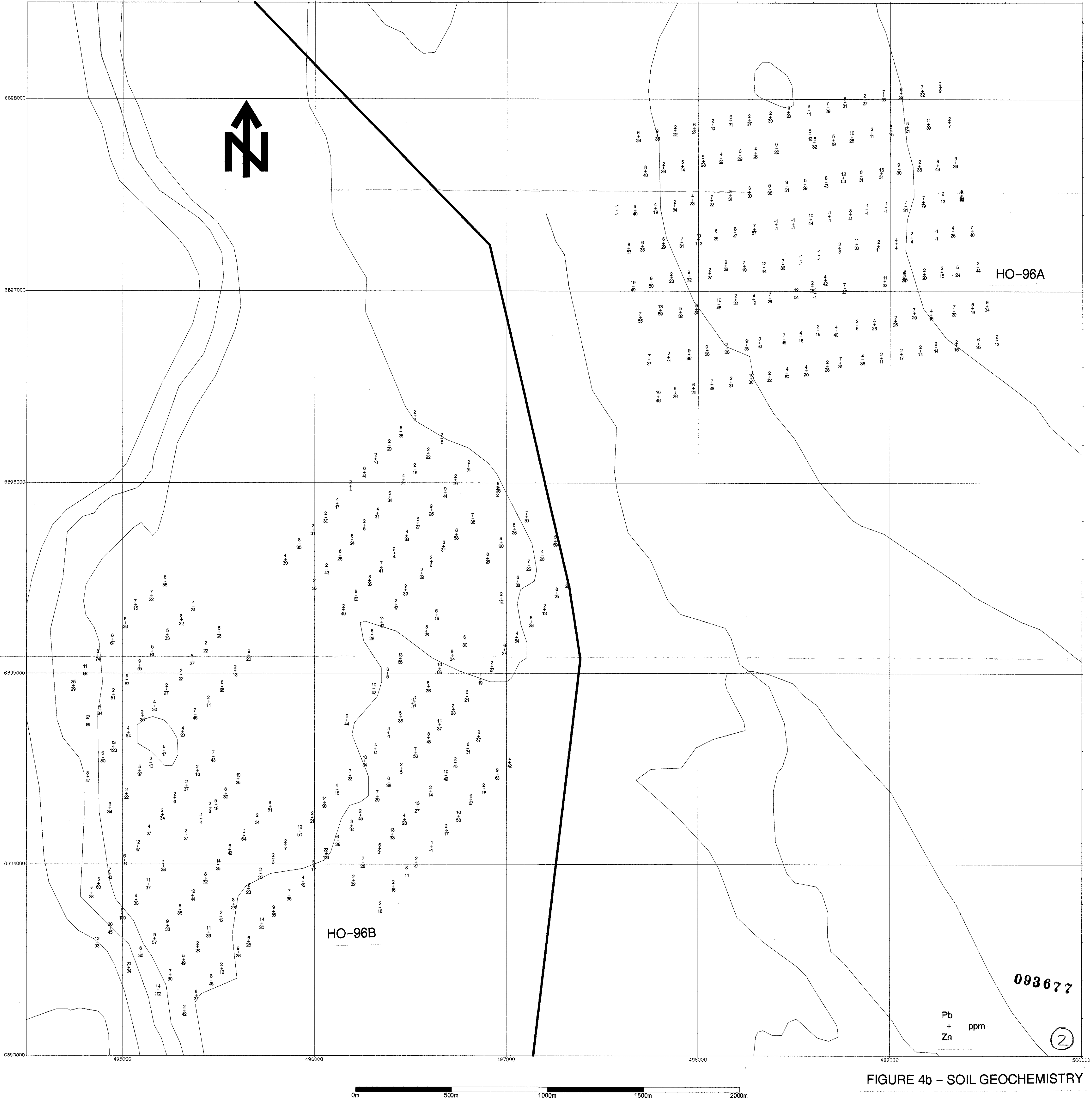
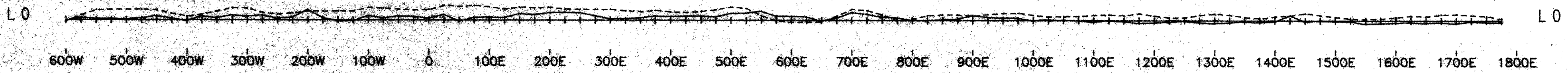
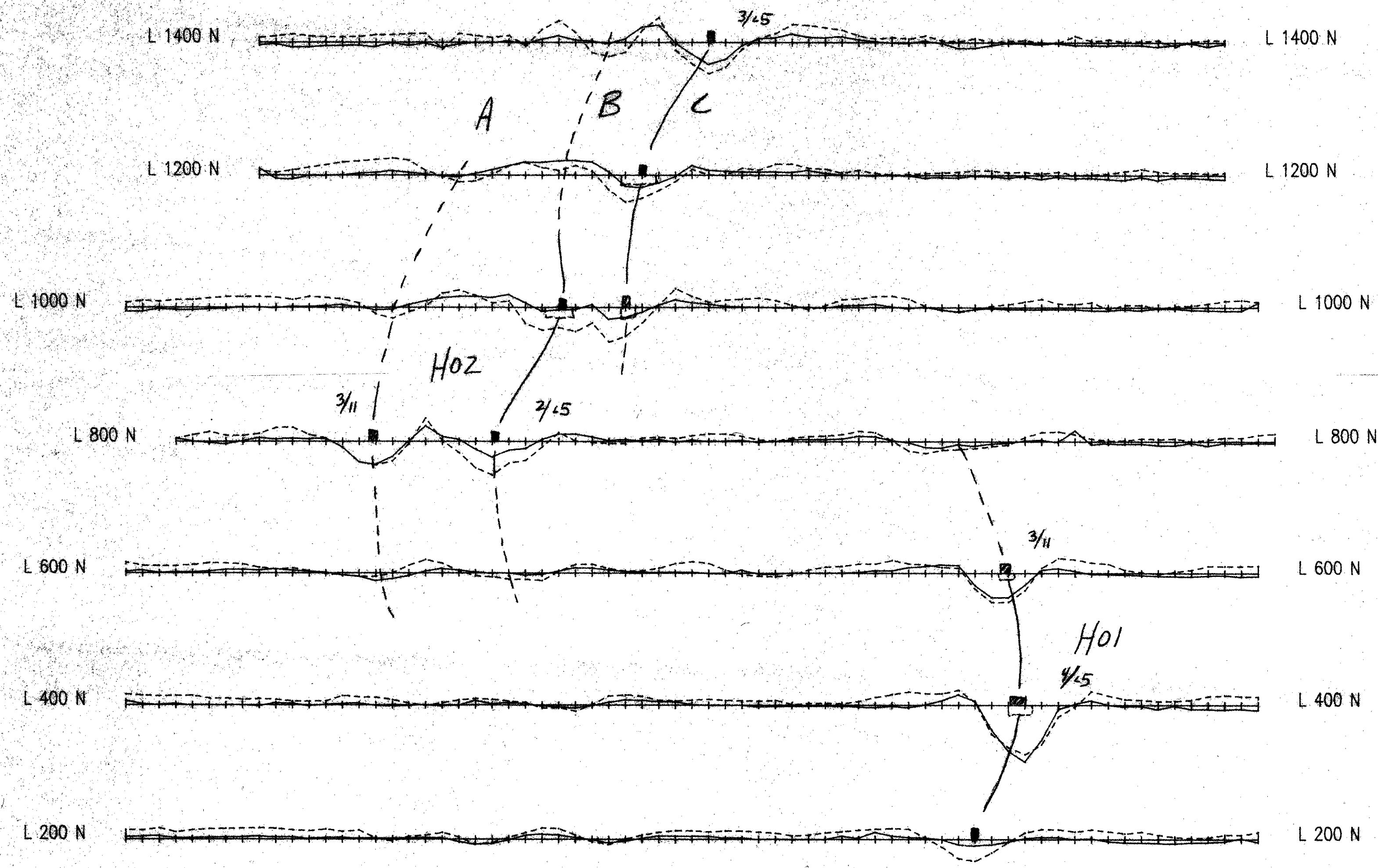
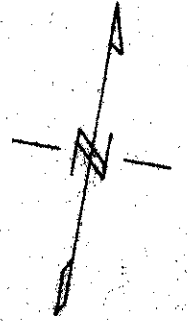


FIGURE 4b - SOIL GEOCHEMISTRY

600W 500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E 600E 700E 800E 900E 1000E 1100E 1200E 1300E 1400E 1500E 1600E 1700E 1800E

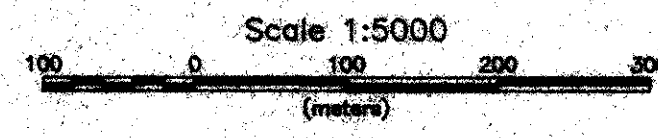


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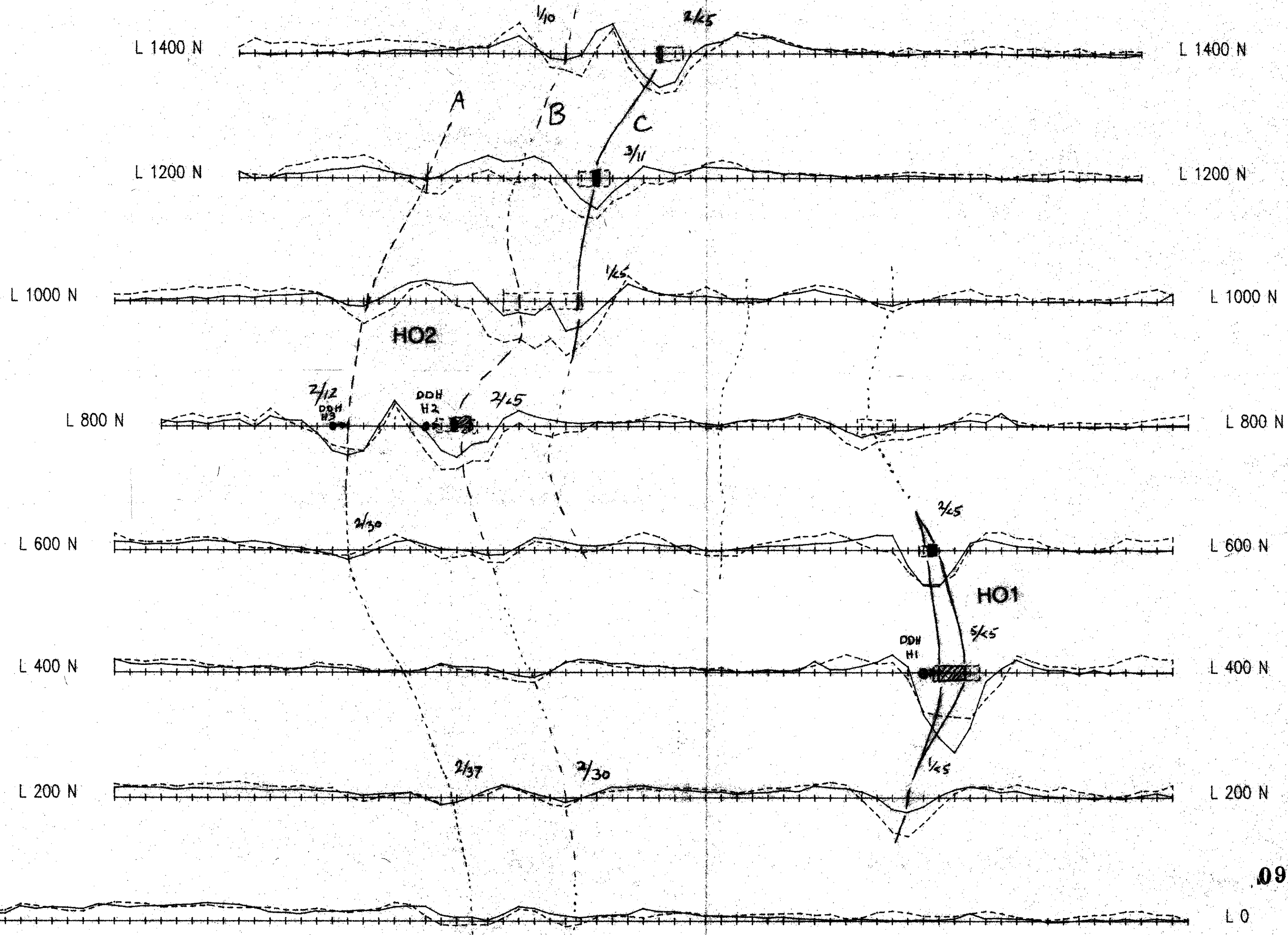
VERTICAL SCALE
1cm = 20%

OUT OF PHASE -----
IN PHASE _____



COMINCO EXPLORATION					
HOLMES JOINT VENTURE					
H096A GRID					
HORIZONTAL LOOP EM SURVEY: 1760Hz.					
100 metre coil spacing					
Drawn by:		Traced by:		Scale: as shown	
Revised by:		Revised by:		Date: AUG. 1998	
				Plate: 5b	

600W 500W 400W 300W 200W 100W 0 100E 200E 300E 400E 500E 600E 700E 800E 900E 1000E 1100E 1200E 1300E 1400E 1500E 1600E 1700E 1800E

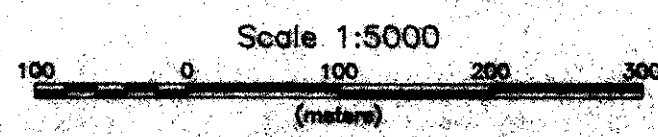


093677

5

VERTICAL SCALE
1cm = 20%

OUT OF PHASE -----
IN PHASE _____

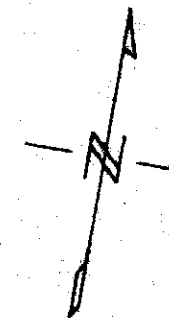


COMINCO EXPLORATION					
HOLMES JOINT VENTURE				H096A GRID	
HORIZONTAL LOOP EM SURVEY: 3520Hz.				100 metre coil spacing	
Drawn by:		Traced by:		Scale: as shown	Date: AUG. 1996
Revised by:	Date:	Revised by:	Date:		Plate: 5c

0 100E 200E 300E 400E 500E 600E 700E 800E 900E 1000E

L 600 N

L 600 N



L 400 N

L 400 N

L 200 N

L 200 N

L 0

L 0

093677

0 100E 200E 300E 400E 500E 600E 700E 800E 900E 1000E

Scale 1:5000
100 0 100 200
(metres)

VERTICAL SCALE
1cm = 20%

OUT OF PHASE -----
IN PHASE _____

COMINCO EXPLORATION



NTS
10546

Drawn by:		Traced by:	
Reviewed by:	Date:	Reviewed by:	Date:

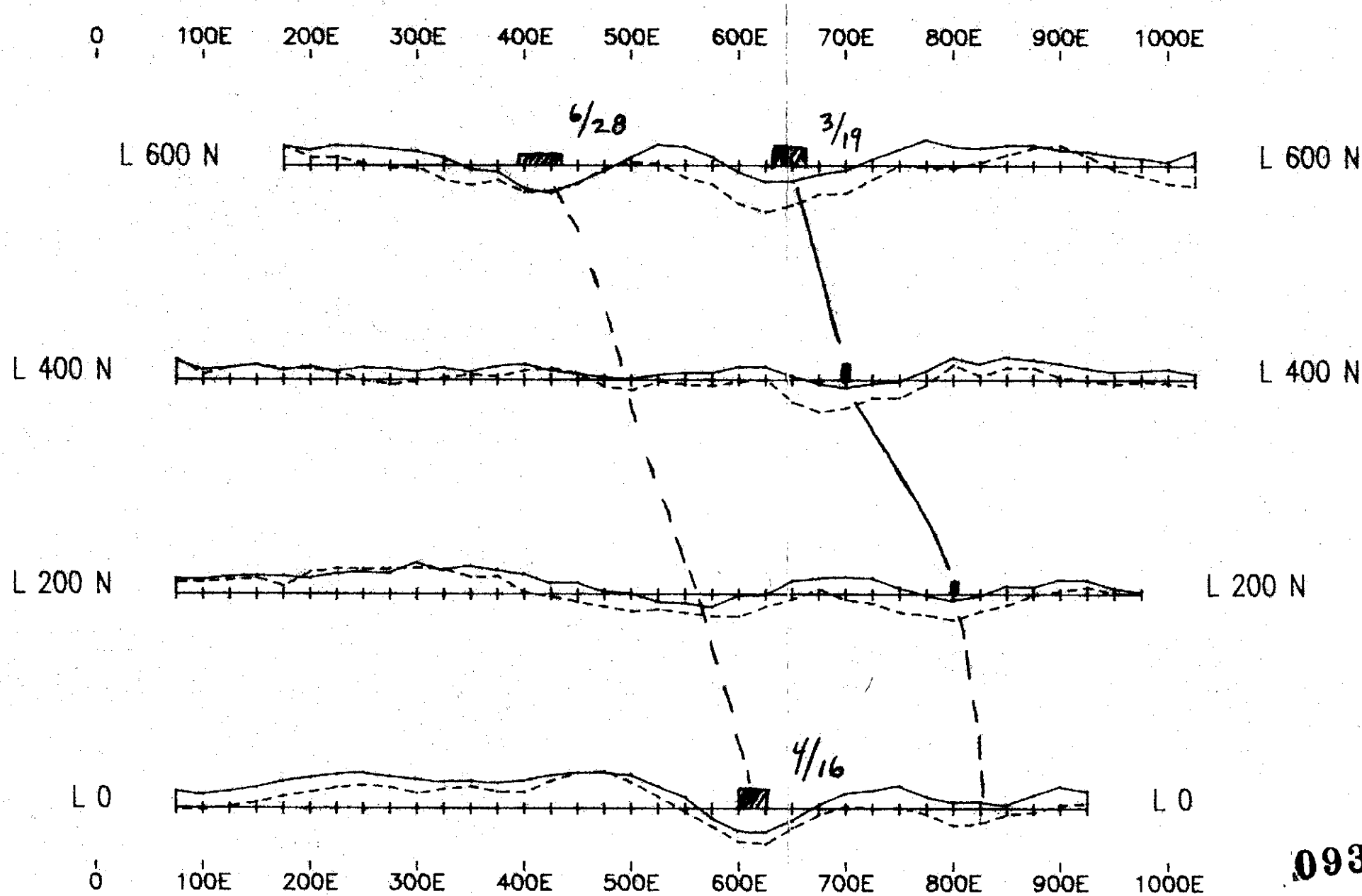
HOLMES JOINT VENTURE
H096A GRID
HORIZONTAL LOOP EM SURVEY: 440Hz.
150 metre coil spacing

Scale: as shown

Date: AUG. 1998

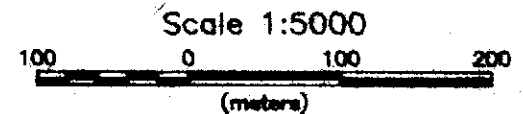
Plate: 5d

6



093677

7



VERTICAL SCALE
1cm = 20%

OUT OF PHASE -----
IN PHASE —————

COMINCO EXPLORATION

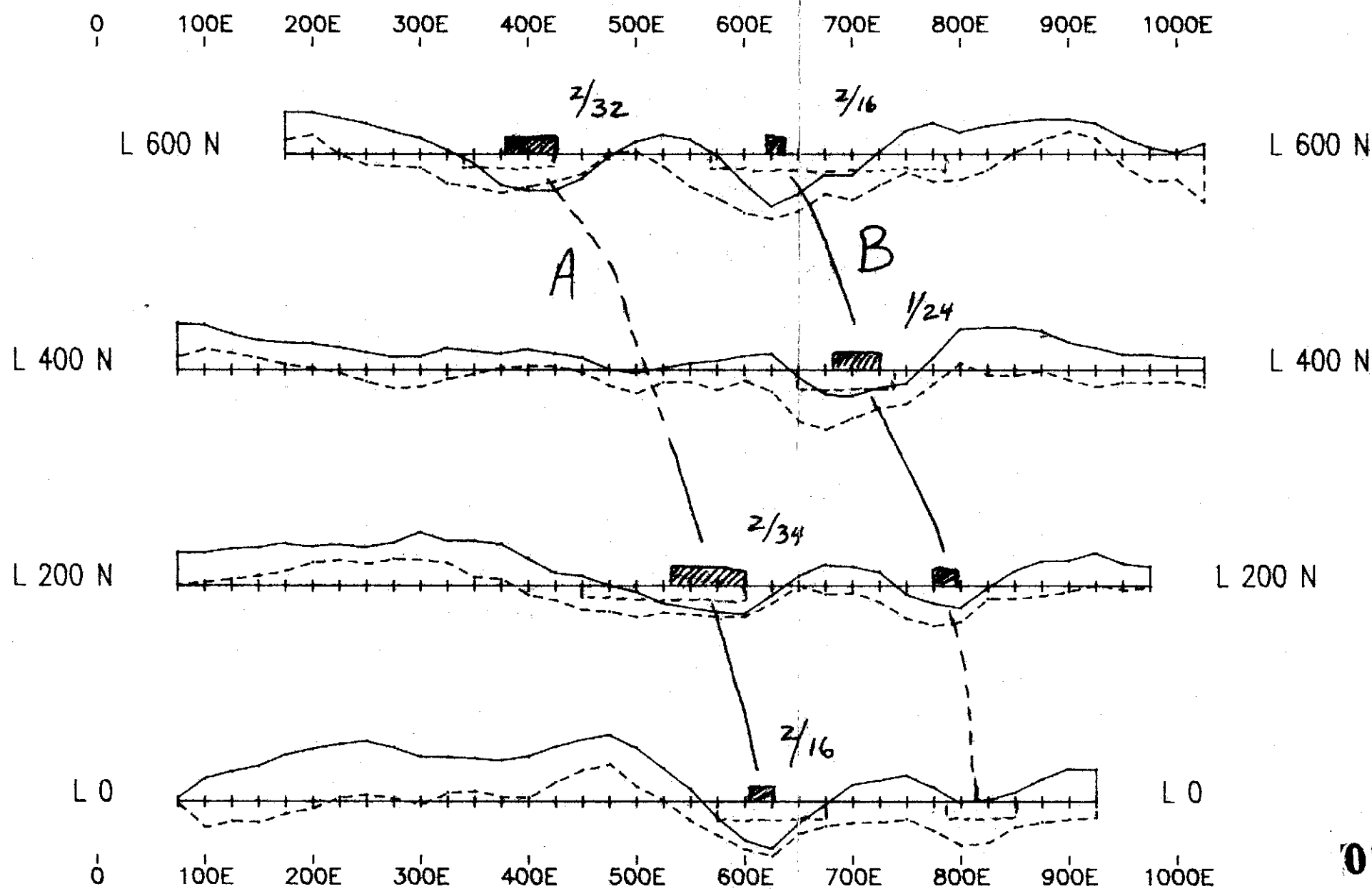


MS
10546

Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

HOLMES JOINT VENTURE
H096A GRID
HORIZONTAL LOOP EM SURVEY: 1760Hz.
150 metre coil spacing

Scale: as shown	Date: AUG. 1996	Plate: 56
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093677

Scale 1:5000
100 0 100 200
(meters)

VERTICAL SCALE
1cm = 20%

OUT OF PHASE -----
IN PHASE —————

COMINCO EXPLORATION



NTS
10546

Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

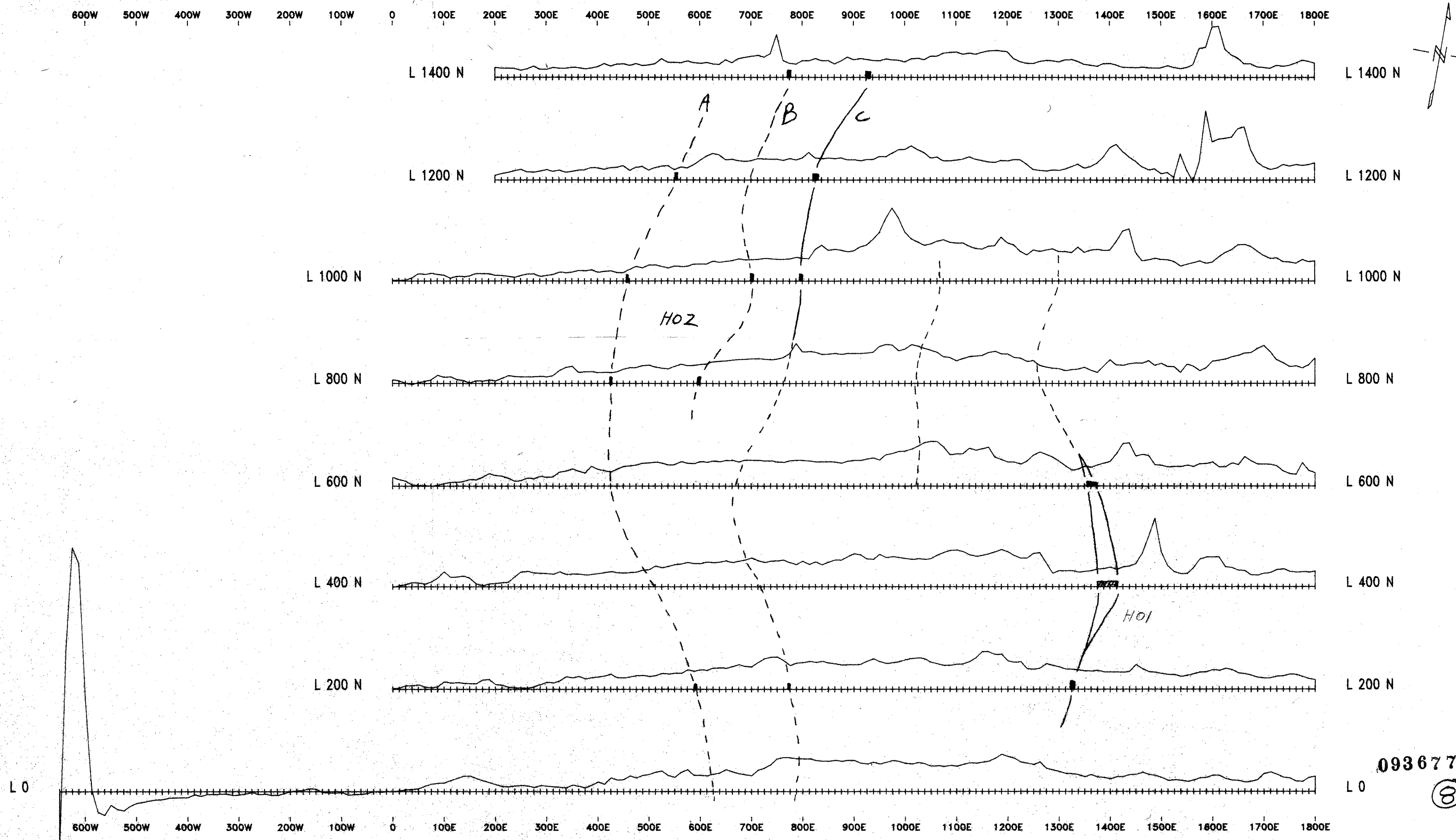
HOLMES JOINT VENTURE
H096A GRID
HORIZONTAL LOOP EM SURVEY: 3520Hz.
150 metre coil spacing

Scale: as shown

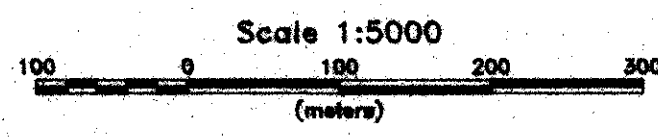
Date: AUG. 1996

Plate: 51

7a

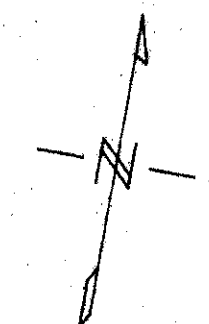
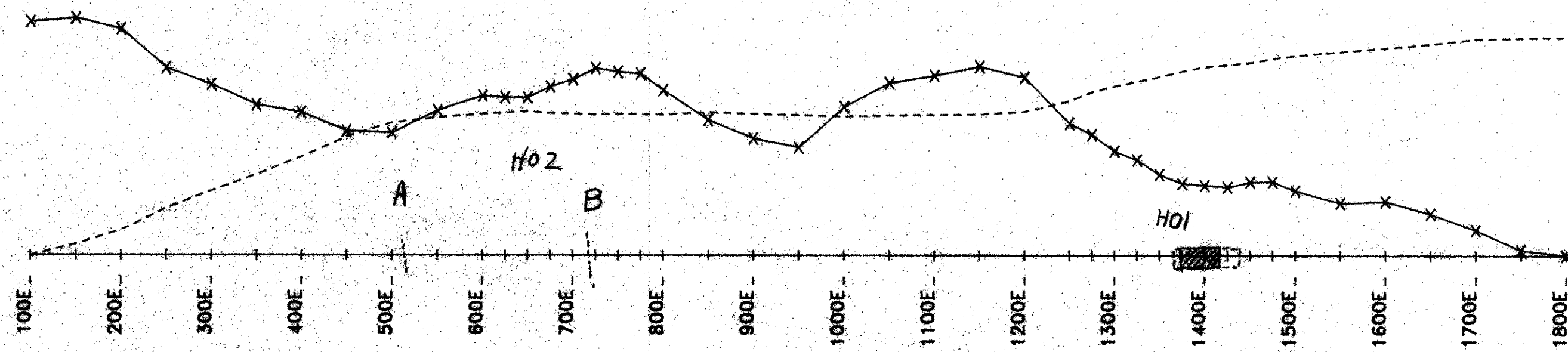


MAGNETIC BASE = 58050 nT
 Vert. Scale
 1cm = 50nT

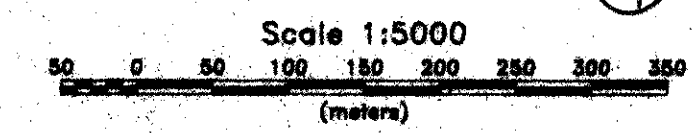


COMINCO EXPLORATION				NTS 10546	
Drawn by:		Traced by:		HOLMES JOINT VENTURE H096A GRID TOTAL FIELD MAGNETICS SURVEY	
Revised by: Date:		Revised by: Date:			
				Scale: as shown	
				Date: AUGUST, 1996	
				Plate: 5g	

093677
 (8)

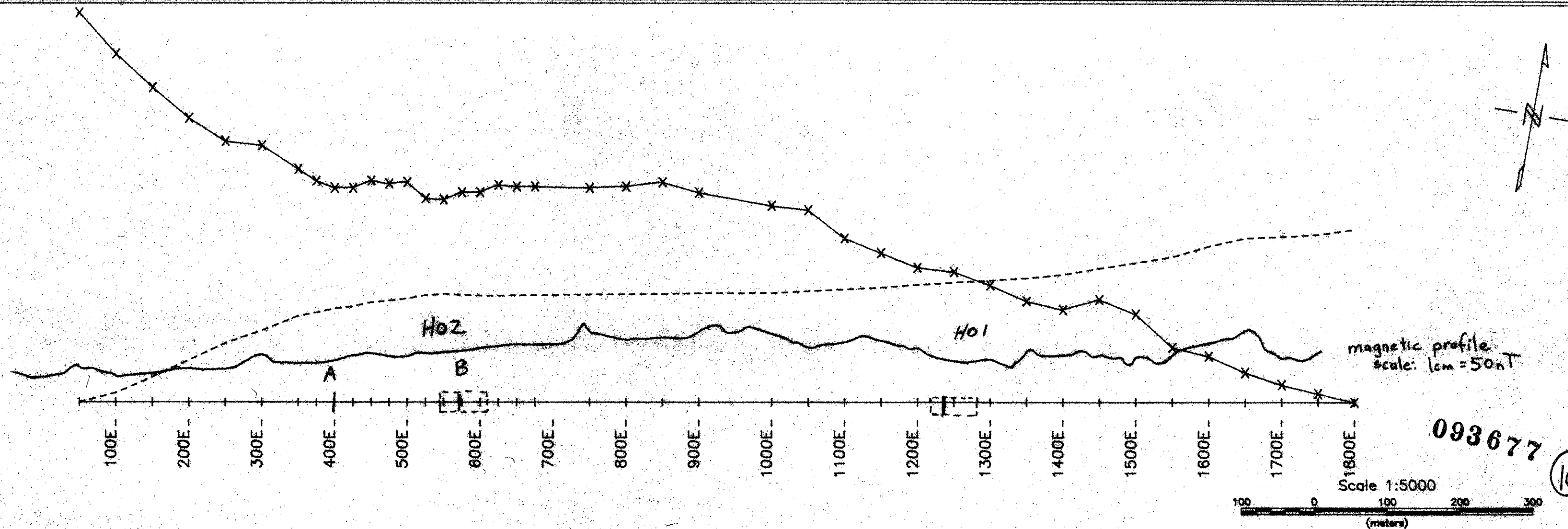


093677
 (9)



VERTICAL SCALE:
 TOPOGRAPHY(DASH): 1CM=25METRES
 GRAVITY(SOLID): 1cm=.25 MGALS

COMINCO EXPLORATION				Cominco NTS 103G	
Drawn by:		Traced by:		HOLMES JOINT VENTURE H096A GRID - L400N BOUGUER GRAVITY SURVEY (DENSITY 2.67)	
Revised by:	Date:	Revised by:	Date:		
Scale: as shown		Date: AUGUST, 1996		Plate: 5h	



VERTICAL SCALE:
 TOPOGRAPHY(DASH): 1cm = 25 METRES
 GRAVITY(SOLID): 1cm = .25 MGALS

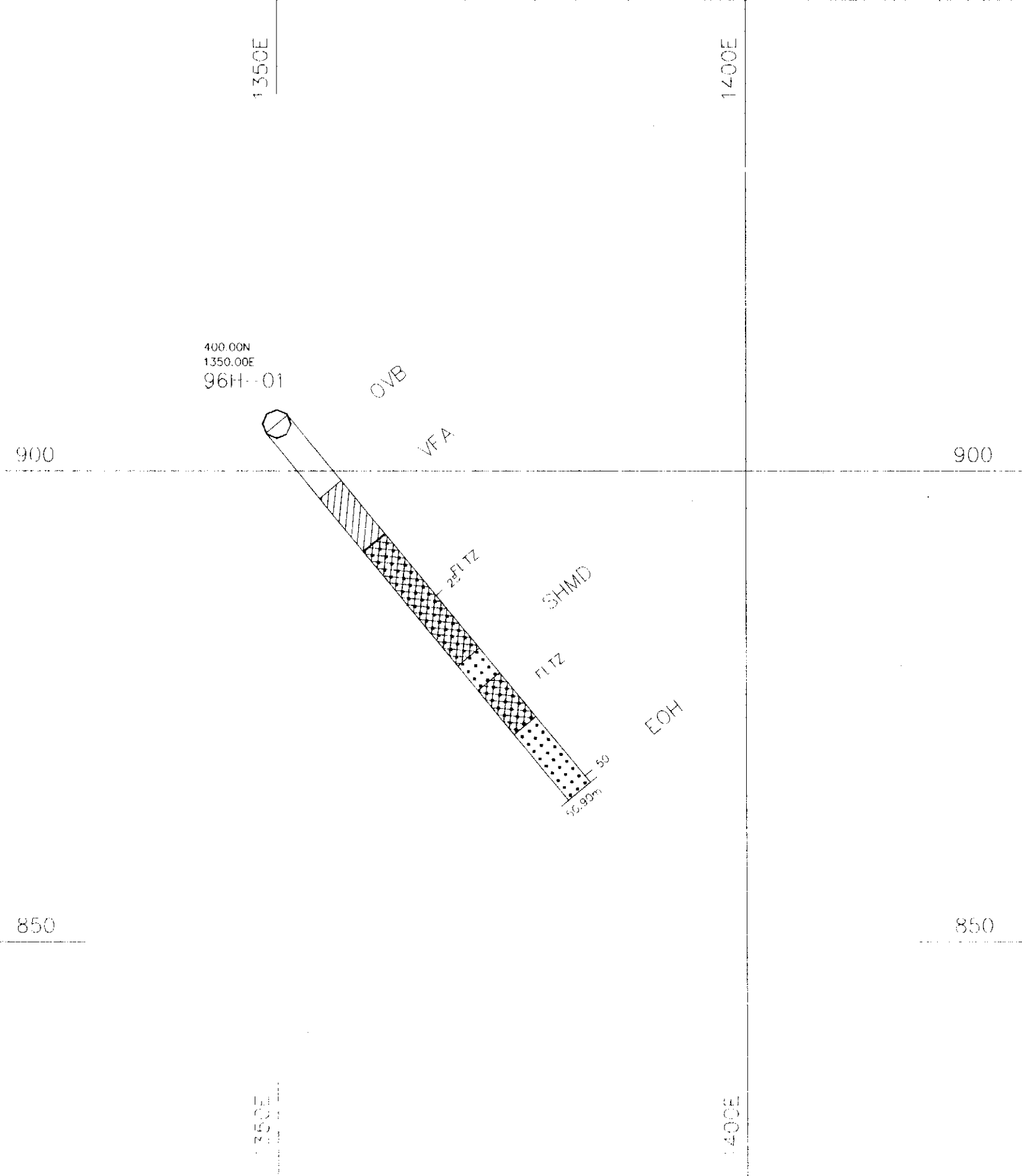
COMINCO EXPLORATION



Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

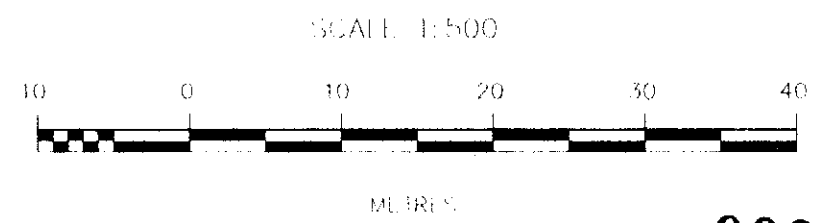
HOLMES JOINT VENTURE
 H096A GRID - L800N
 BOUGUER GRAVITY SURVEY
 (DENSITY 2.67)

Scale: as shown Date: AUGUST, 1996 Plate: 5



LEGEND

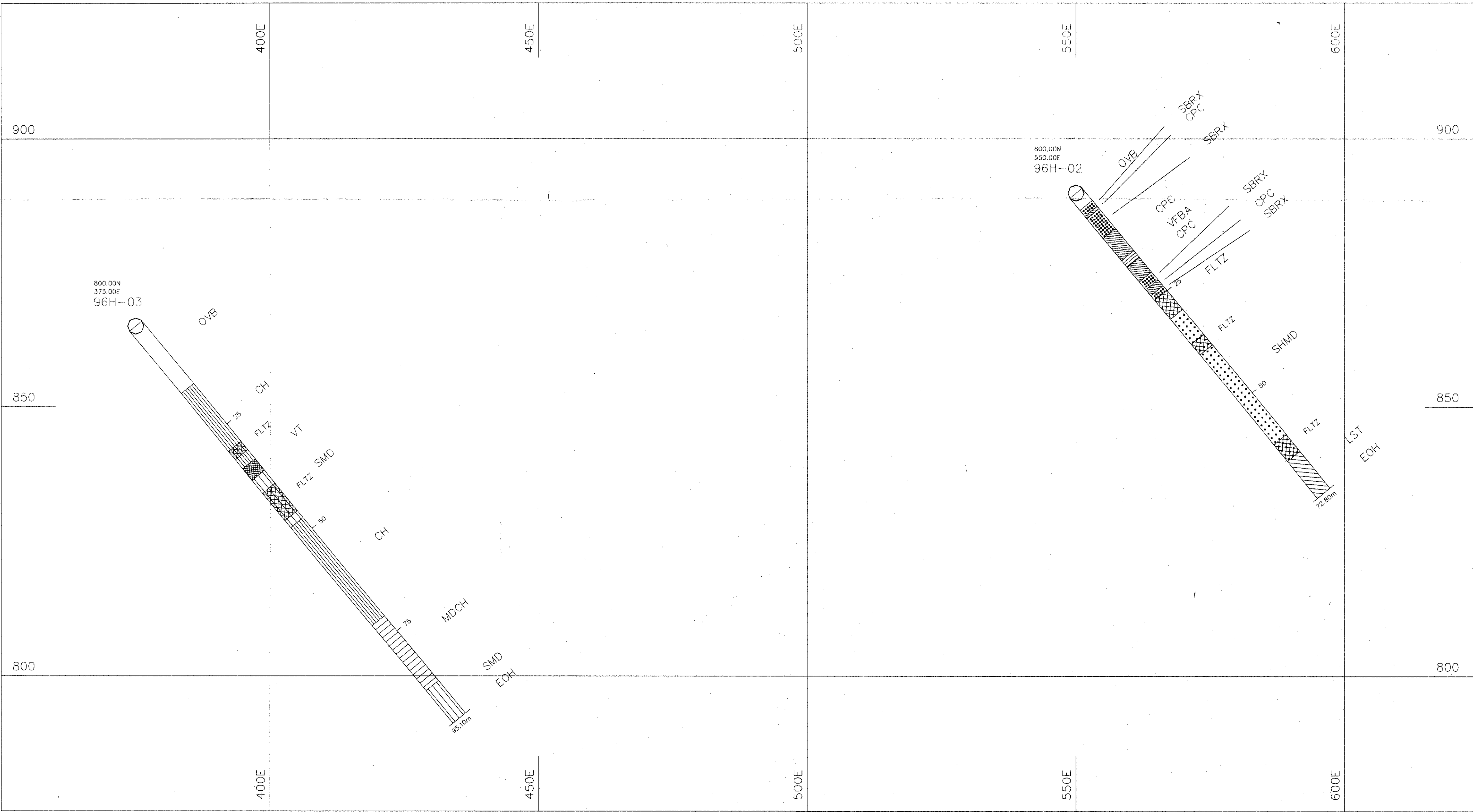
- OVB -- Overburden
- VFA -- Volcanic Flow--Andesitic
- VFBA -- Volcanic Flow--Basaltic
- VT -- Volcanic Tuff
- SHMD -- Graphitic Shale/Mudstone
- SMD -- Silicified Mudstone/Shale
- MDCH -- Interbedded/Banded Silicified Mudstone and Chert
- CH -- Chert
- CPC -- Chert Pebble Conglomerate
- SDRX -- Sedimentary Breccia
- LST -- Limestone
- FLTZ -- Fault Zone



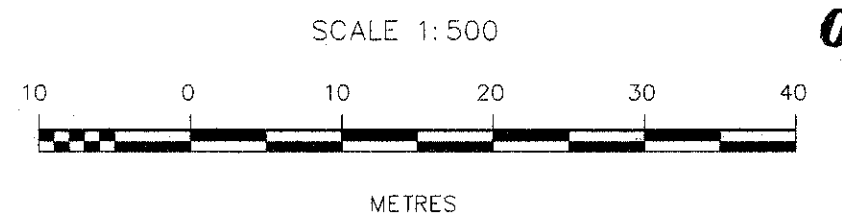
093677 (11)

HOLMES DRILLING, 1996

Drawn by:	DAS	Traced by:		DDH 96H-01		
Revised by:	DAS	Revised by:	DAS			
				Section 4100 North Grid HO 96A		
				Scale: 1:500		
				Date:	Dec. 1996	Plate: 6a

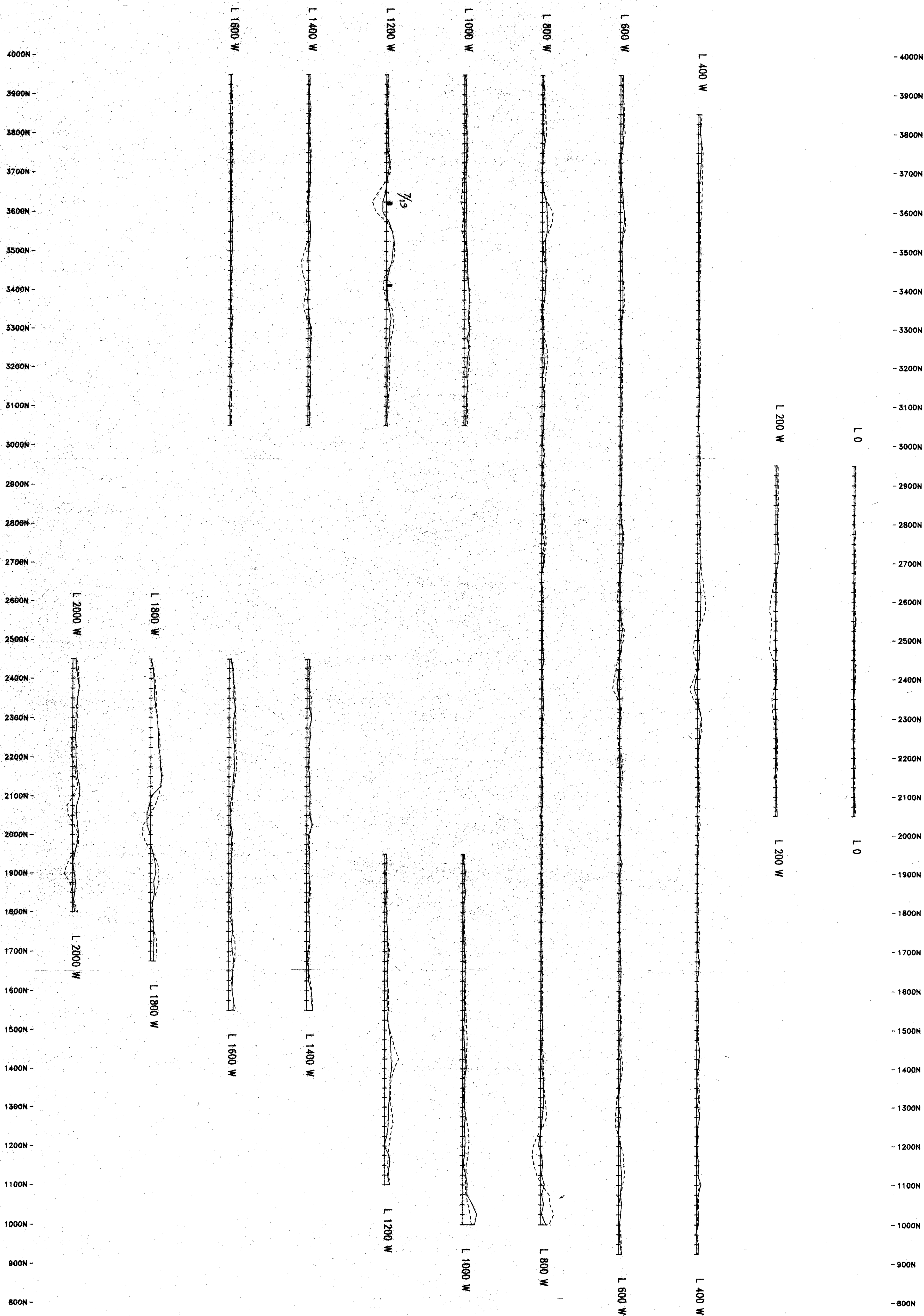
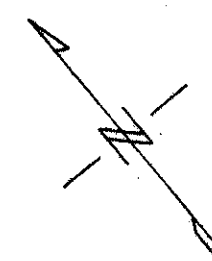


- LEGEND**
- OVB - Overburden
 - VFA - Volcanic Flow-Andesitic
 - VFBA - Volcanic Flow-Basaltic
 - VT - Volcanic Tuff
 - SHMD - Graphitic Shale/Mudstone
 - SMD - Silicified Mudstone/Shale
 - MDCH - Interbedded/Banded Silicified Mudstone and Chert
 - CH - Chert
 - CPC - Chert Pebble Conglomerate
 - SDRX - Sedimentary Breccia
 - LST - Limestone
 - FLTZ - Fault Zone



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HOLMES DRILLING, 1996			
Drawn by: DAS	Traced by:	DDH 96H-02,-03	
Revised by: DAS	Revised by: DAS	Section 8+00 North - Grid HO-96A	
		Scale: 1:500	Date: Dec. 1996
			Plate: 6b



093677

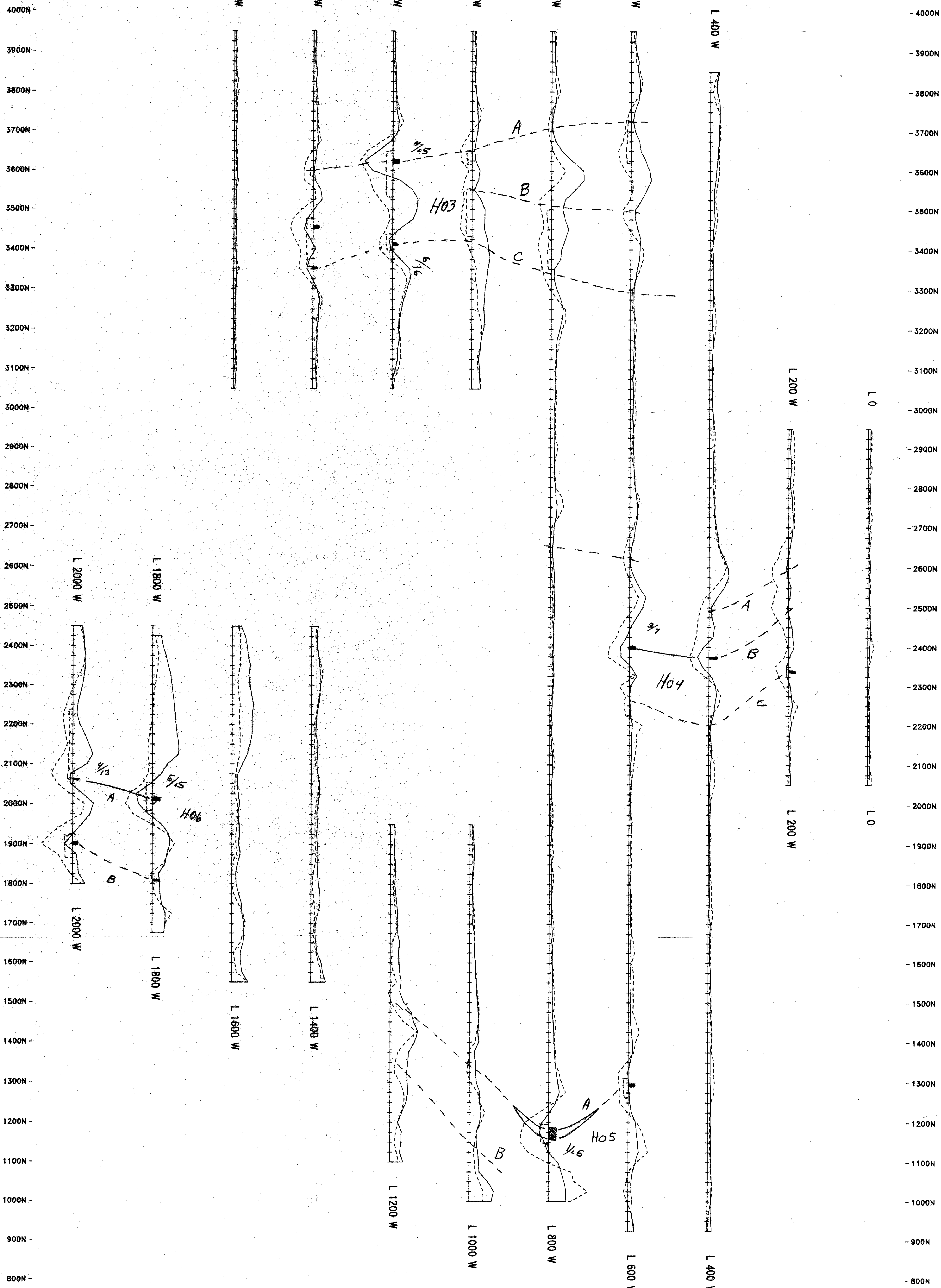
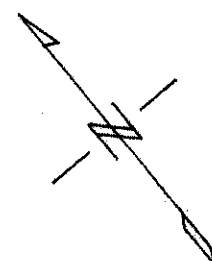
13

VERTICAL SCALE:
1cm = 20%

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

Scale 1:5000
100 0 100 200 300
(meters)

COMINCO EXPLORATION			
Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:
HOLMES JOINT VENTURE		H096B GRID	
HORIZONTAL LOOP EM SURVEY: 440 HZ.		100 METRE COIL SPACING	
Scale: as shown		Date: AUG. 1996	
Plate: 7a		N/S 10547	



Scale 1:5000
100 0 100 200 300
(meters)

VERTICAL SCALE:
1cm = 20%

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

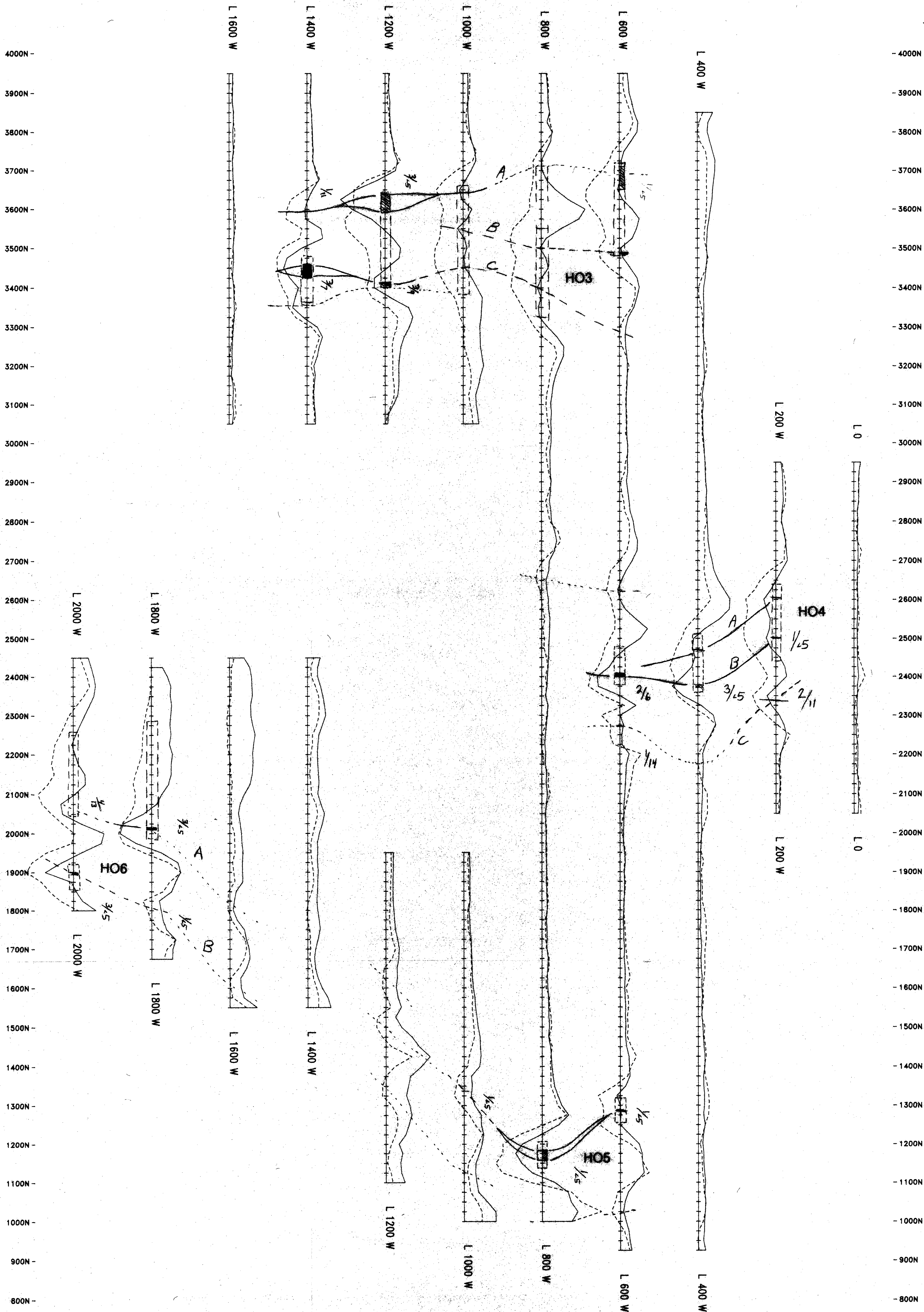
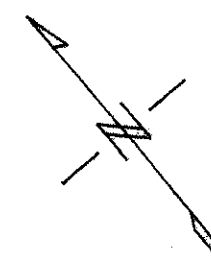
COMINCO EXPLORATION

Drawn by:	Traced by:
Revised by:	Revised by:
Date:	Date:

HOLMES JOINT VENTURE
H096B GRID
HORIZONTAL LOOP EM SURVEY: 1760 HZ.
100 METRE COIL SPACING
Scale: as shown Date: AUG. 1996 Plate: 7b

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14



VERTICAL SCALE:
1cm = 20m

OUT OF PHASE -----
IN PHASE _____

Scale 1:5000
0 100 200 300
(meters)

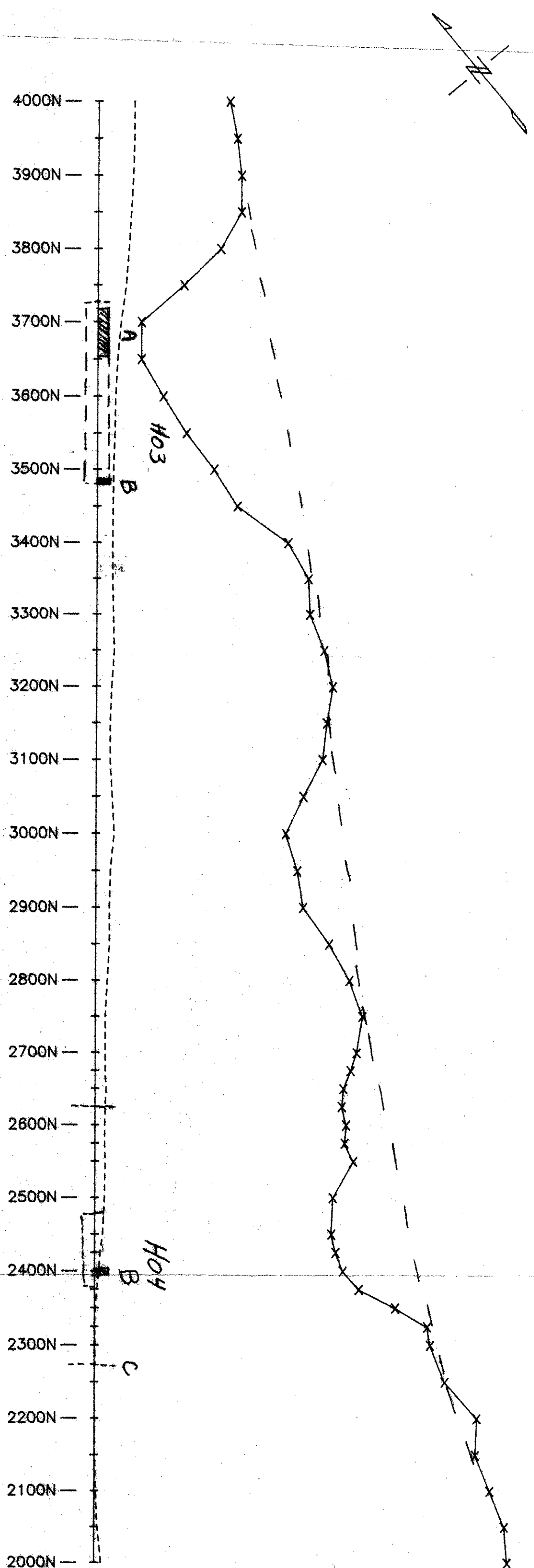
COMINCO EXPLORATION

Drawn by:	Traced by:
Reviewed by:	Reviewed by:
Date:	Date:

HOLMES JOINT VENTURE
H096B GRID
HORIZONTAL LOOP EM SURVEY: 3520 HZ.
100 METRE COIL SPACING
Scale: as shown Date: AUG. 1996 Plate: 7C

093677

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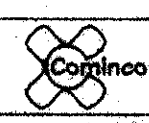
093677

VERTICAL SCALE:
 TOPOGRAPHY(DASH): 1CM=25METRES
 GRAVITY(SOLID): 1cm=.25 MGALS

Scale 1:5000
 50 0 50 100
 (meters)

17

COMINCO EXPLORATION



NTS
105A/6

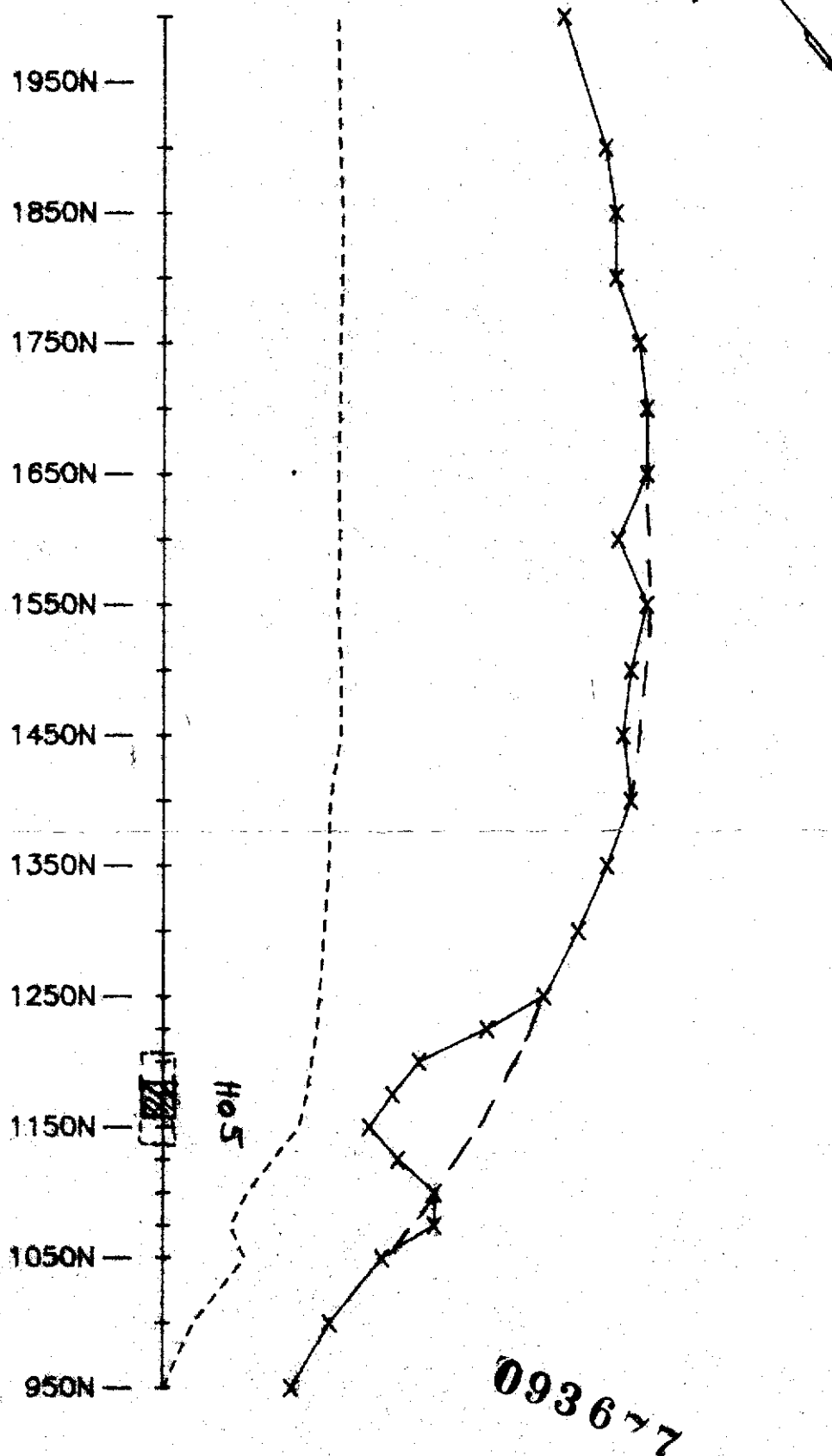
Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

HOLMES JOINT VENTURE
 H096B GRID - L600W
 BOUGUER GRAVITY SURVEY
 (DENSITY 2.67)

Scale: as shown

Date: AUGUST, 1996

Plate: 7e

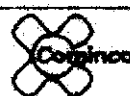


VERTICAL SCALE:
 TOPOGRAPHY(DASH): 1CM=25METRES
 GRAVITY(SOLID): 1cm=.25 MGALS

Scale 1:5000
 50 0 50 100
 (meters)

18

COMINCO EXPLORATION

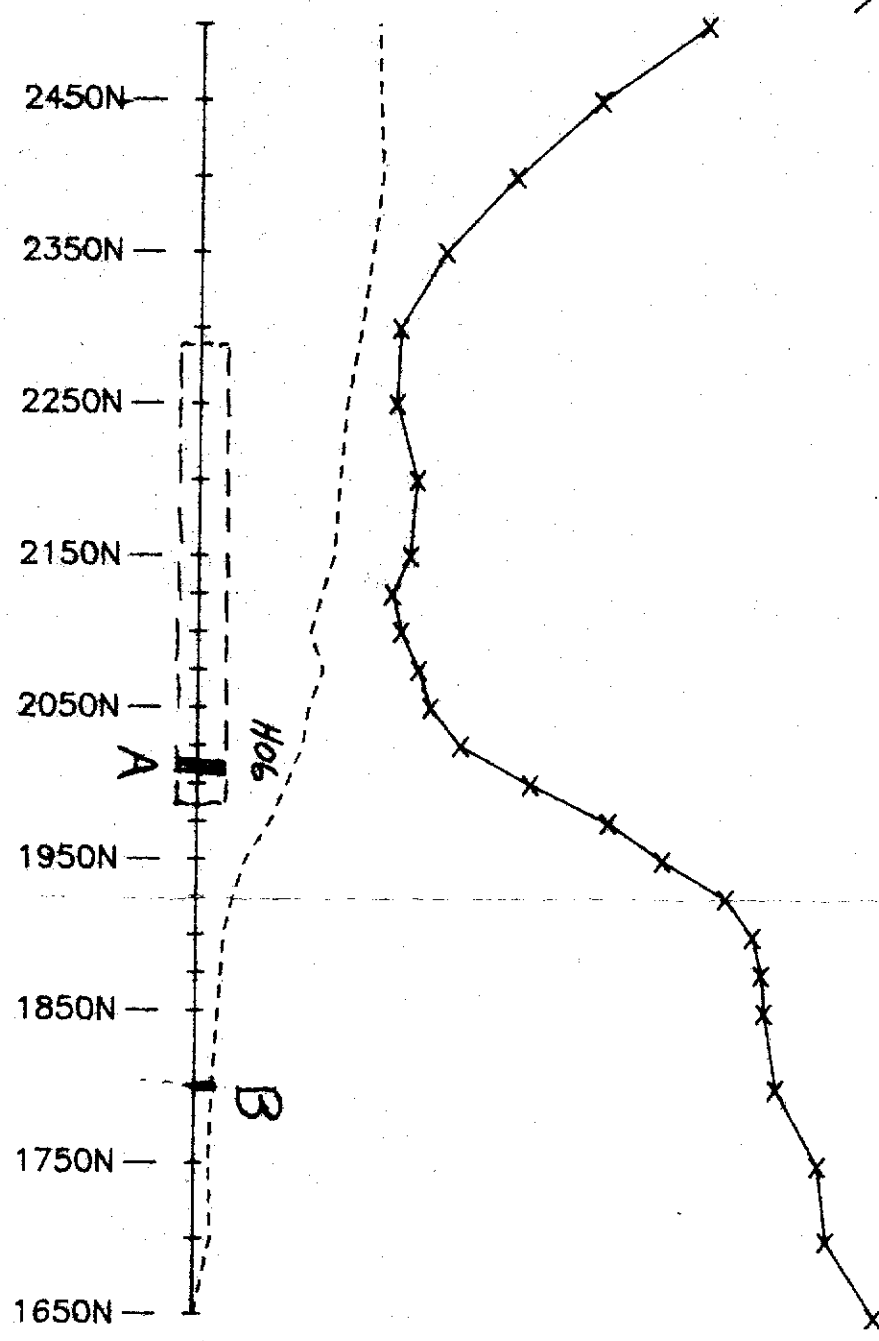


MS
105A/8

Drawn by:		Traced by:	
Reviewed by:	Date:	Reviewed by:	Date:

HOLMES JOINT VENTURE
 H096B GRID - L800W
 BOUGUER GRAVITY SURVEY
 (DENSITY 2.67)

Scale: as shown Date: AUGUST, 1986 Plate: 71



VERTICAL SCALE:
TOPOGRAPHY(DASH):1CM=25METRES
GRAVITY(SOLID):1cm=.25 MGALS

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COMINCO EXPLORATION



NTS
100A/6

Drawn by:		Traced by:	
Revised by:	Date:	Revised by:	Date:

HOLMES JOINT VENTURE
H096B GRID - L1800W
BOUGUER GRAVITY SURVEY
(DENSITY 2.67)

Scale: as shown Date: AUGUST, 1996 Plate: 7g

