84-#125 - 12080

GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL ASSESSMENT REPORT

NOBLE 1 - 6 CLAIMS

KAMLOOPS MINING DIVISION

82M/12W

Latitude 51° 38' Longitude 119° 48'

Owned and Operated by:
Placer Development Limited

R.H. Pinsent

February 1984

TABLE OF CONTENTS

Page

1.0 Summary 1

2.0 Introduction 2
- 2.1 Location and Access 2
- 2.2 Property History and Ownership 2

3.0 Regional Geological Setting 4

4.0 Work Performed 5
- 4.1 Introduction 5
- 4.2 Mount McClennan Area 6
  - 4.2.1 Geology 6
  - 4.2.2 Mineralization 8
  - 4.2.3 Soil Geochemisty 14
  - 4.2.4 Ground Geophysics 15
- 4.3 McCorvie Lake Area 16
  - 4.3.1 Geology 16
  - 4.3.2 Mineralization 17
  - 4.3.3 Soil Geochemistry 17
  - 4.3.4 Ground Geophysics 18
- 4.4 Peavine Creek Area 19
  - 4.4.1 Geology 19
  - 4.4.2 Mineralization 19
  - 4.4.3 Silt Geochemistry 20

5.0 Discussion 21

6.0 Conclusions 22

7.0 Statement of Expenditures 23

8.0 Statement of Qualifications 24

LIST OF TABLES AND ILLUSTRATIONS (ii)

Table I "Massive Sulphide" Chip Sample Analyses

Figure 1 Claim Location Map: Regional Scale
Figure 2 Claim Location Map: 1:50,000 Scale
Figure 3 Regional Geological Map: 1:250,000 Scale
Figure 4 Geological Map Mount McClennan Area: 1:5,000 Scale
Figure 5 Geological Sketch of the Sunrise Showing
Figure 6 Geological Sketch of the Snow Showing
Figure 7 Noble Claim Soil Geochemistry (Cu): 1:5,000 Scale
Figure 8 Noble Claim Soil Geochemistry (Zn): 1:5,000 Scale
Figure 9 Noble Claim Soil Geochemistry (Pb): 1:5,000 Scale
Figure 10 Noble Claim Soil Geochemistry (Ag): 1:5,000 Scale
Figure 11 Noble Claim Geophysical Survey: Magnetometer and In Phase Data: 1:5,000 Scale
Figure 12 Noble Claim Geophysical Survey: VLF In Phase and Quadrature Data: 1:5,000 Scale
Figure 13 Noble Claim Geophysical Survey: VLF Fraser Filter and In Phase Data: 1:5,000 Scale
Figure 14 Noble Claim Geophysical Survey: VLF Data with Interpretation: 1:5,000 Scale
Figure 15 Location Map: McCorvie Grid: 1:20,000 Scale
Figure 16 McCorvie Grid Soil Geochemistry (Cu): 1:5,000 Scale
Figure 17 McCorvie Grid Soil Geochemistry (Zn): 1:5,000 Scale
Figure 18 McCorvie Grid Soil Geochemistry (Pb): 1:5,000 Scale
Figure 19 McCorvie Grid Soil Geochemistry (Ag): 1:5,000 Scale
Figure 20 McCorvie Grid Soil Geochemistry (Hg): 1:5,000 Scale
Figure 21 McCorvie Grid Geophysical Survey: VLF In Phase and Quadrature Data: 1:5,000 Scale
Figure 22 McCorvie Grid Geophysical Survey: VLF Fraser Filter and In Phase Data: 1:5,000 Scale
Figure 23 McCorvie Grid Geophysical Survey: VLF Data with Interpretation: 1:5,000 Scale

APPENDICES

Appendix I Soil Geochemical Data: Noble Grid

Appendix II Soil Geochemical Data: McCorvie Grid

Appendix III Soil Geochemical Data: McCorvie Road Section

Appendix IV Bulk Sediment Geochemical Data: Peavine Creek

1.0 Summary

The Noble Claims on Mount McClennan, near Clearwater, were staked to cover three small exhalative Pb, Zn, Ag mineral prospects which are located in deformed strata belonging to the Eaglebay Formation. The claims also cover two vein Pb, Ag prospects, a Au occurrence and a Au, As stream sediment anomaly.

The exhalative mineralization had been explored previously and the programme conducted by Placer Development Ltd. was designed both to assess the nature of the mineralization and the quality of the existing data. Company personnel examined the mineralization, conducted a limited geochemical survey and ran geophysical surveys over the main area of interest. The results confirm the presence of several small layers of exhalative Pb, Zn, Ag mineralization within a thick (300 m) and extensive package of pyritic quartz sericite schist. The package appears to be warped into an east-west oriented antiform which displays a shallow plunge to the east.

A small geochemical and geophysical programme was conducted over the inferred location of an old Au showing. The workings were not located. The grid was constructed over a till-choked topographic depression which reflects a major fault system running down the axis of the McCorvie Lake System. The fault was located but no mineralization was detected.

Bulk sediment samples were used to bracket the source of a heavy mineral Cu, Pb, Zn, Cd, Ag, Au and As anomaly previously located in Peavine Creek. The source is inferred to be located at approximately the 3800' (1158 m) contour. The metal source appears to be roughly coincident with an occurrence of boulders of quartz-carbonate altered meta-basalt.

2.0 Introduction

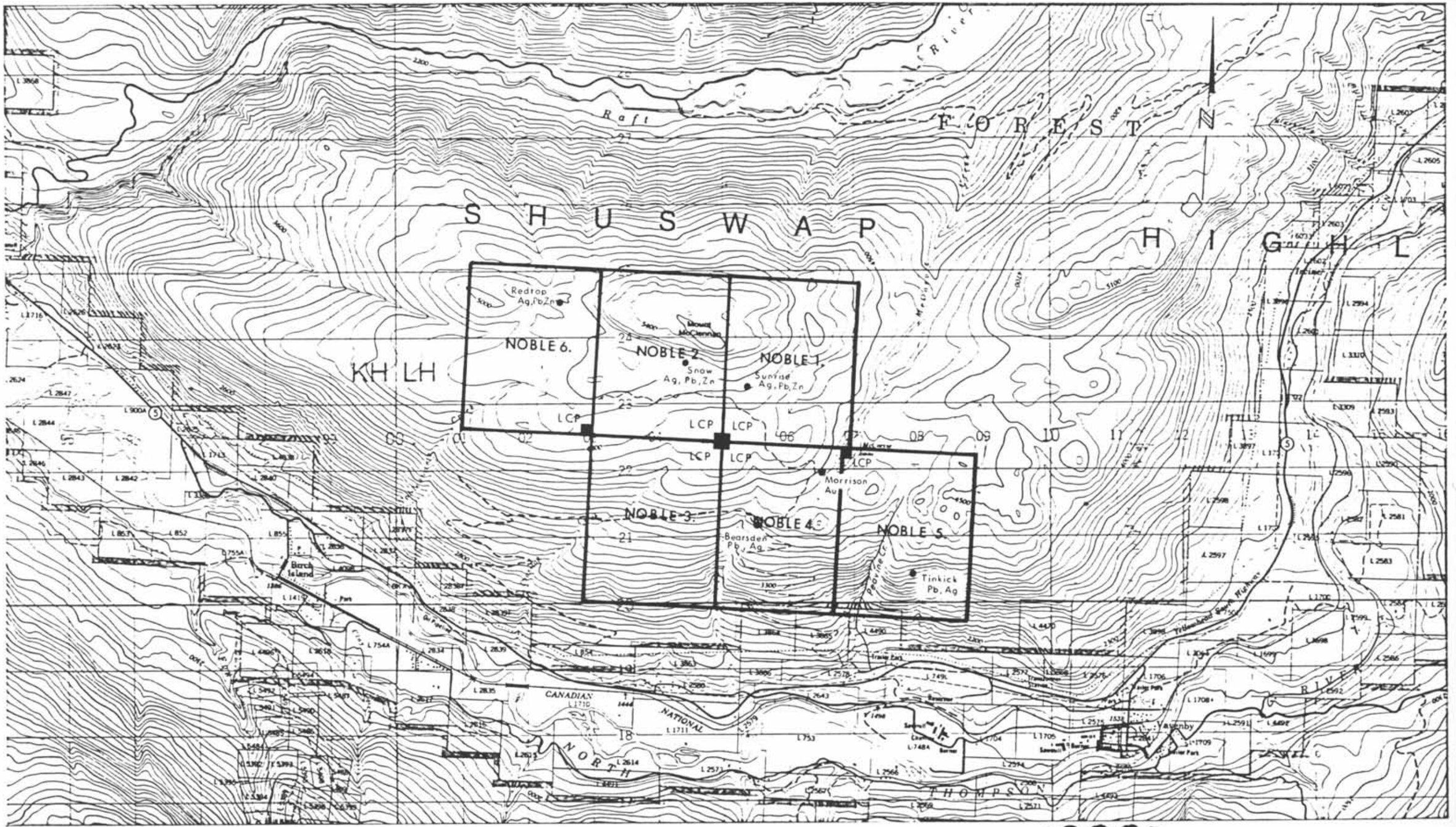
2.1 Location and Access

The Noble Claims (1-6) consist of 120 contiguous units located on the south facing flank of Mount McClennan (latitude 51° 38', Longitude 119° 48') in N.T.S. area 82M/12W. The claims are located to the north of the North Thompson River, midway between the communities of Birch Island and Vavenby (Figures 1 & 2). The claims are readily accessible by means of forestry roads which switchback their way up the lower slopes of Mount McClennan from the main highway in the valley of the North Thompson River.

2.2 Property History and Ownership

The Noble Claims were staked to cover (1) three Pb, Zn, Ag mineral prospects (Redtop, Snow, Sunrise) located on an upland plateau immediately below the summit of Mount McClennan; (2) two Pb, Ag showings (Bearsden and Tinkirk) on the steep south facing slope of the mountain and (3) a Au occurrence (Morrison) thought to be located in the vicinity of McCorvie Lake (Figure 2).

The Redtop, Snow and Sunrise properties were located and trenched in the 1920's and the first holes were drilled in the 1940's (reference assessment report 6931). The Mount McClennan property was subsequently examined by H.C.B. Leitch in 1960 (assessment reported 436) and it was acquired by Crowpat Minerals Ltd. in 1966. Crowpat drilled three holes on the property for a combined depth of 1,505' (459 m). Calbay Mining Croporation Ltd. staked the same ground in 1969 and did a considerable amount of trenching. The company also drilled five short holes for a total combined depth of 1,218' (371 m). The results of these programmes are not available.



12080

FIGURE 2.

CLAIM LOCATION MAP

NOBLE CLAIMS

82M/12W. – SCALE 1: 50,000

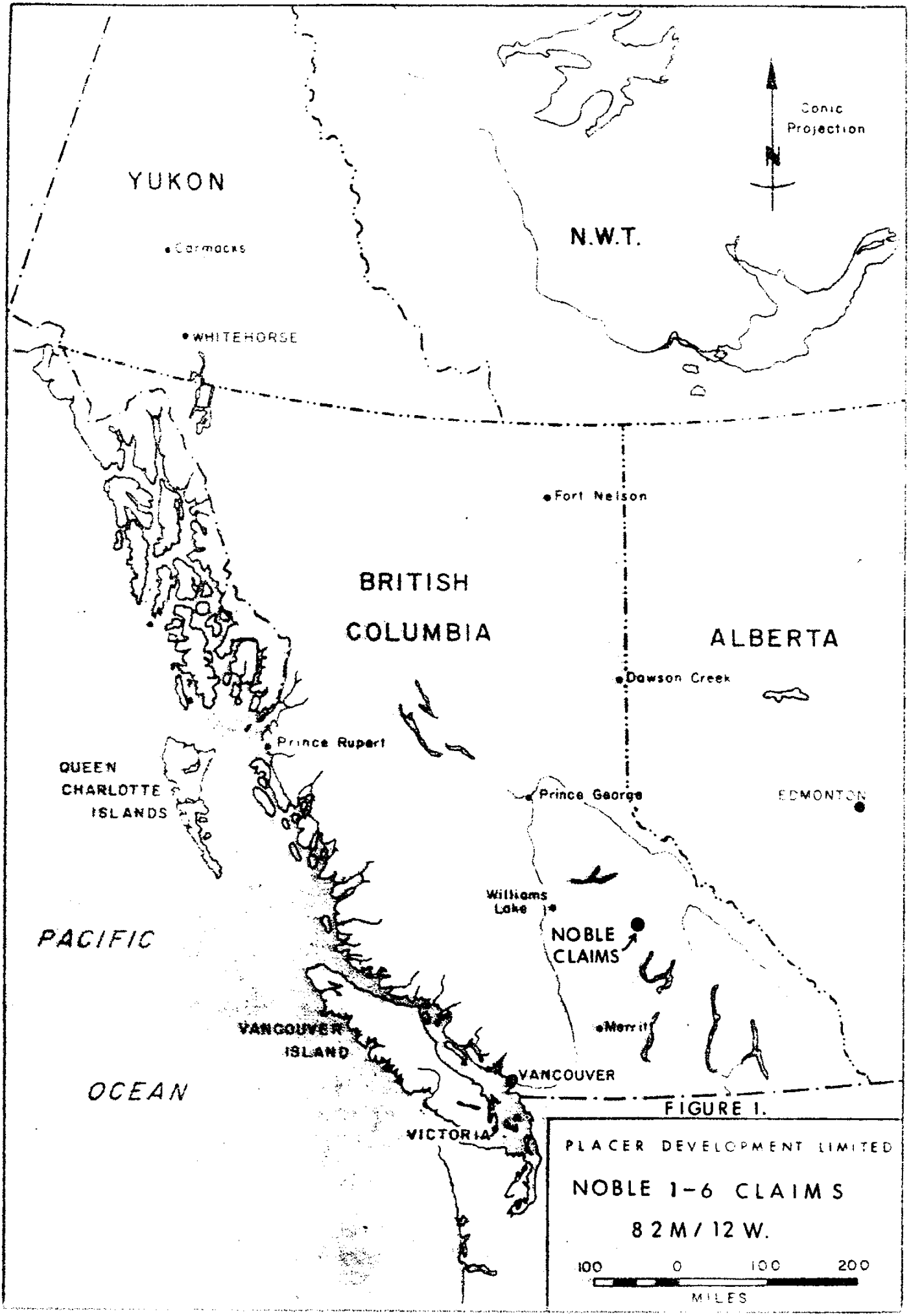

Conic Projection
N
YUKON
N.W.T.
Carmacks
WHITEHORSE
Fort Nelson
BRITISH COLUMBIA
ALBERTA
Dawson Creek
Prince Rupert
QUEEN CHARLOTTE ISLANDS
Prince George
EDMONTON
Williams Lake
NOBLE CLAIMS
PACIFIC
OCEAN
VANCOUVER ISLAND
Merritt
VANCOUVER
VICTORIA
PLACER DEVELOPMENT LIMITED
NOBLE 1-6 CLAIMS
82M/12W.
100 0 100 200
MILES

FIGURE 1.

The Nimsic Claim Group was staked on Mount McClennan by John Kerr of Kerr, Dawson and Associates Ltd. in 1975. Kerr-Dawson conducted a preliminary examination of the Snow and Sunrise (Naomi) mineral prospects and recognized the exhalative nature of the mineralization (assessment report 5813). Castlemaine Explorations Ltd. acquired the Nimsic property in 1976 and optioned it to Canadian Nickel Co. Ltd.

Canadian Nickel Co. Ltd. constructed a 98.75 line-km grid on the property in 1976 and conducted a major surface exploration programme in 1977. The company mapped the property at a scale of 1:5,000; analyzed 1600 soil samples for Cu, Zn, Pb and Ag and ran a magnetometer survey over the entire grid. In addition, they ran a more limited VLF EM survey (assessment report 6603). The option passed to Craigmont Mines Ltd. in 1978. Craigmont conducted additional geophysical surveys and put in five drill holes for a combined depth of 382.9 m (assessment report 6931).

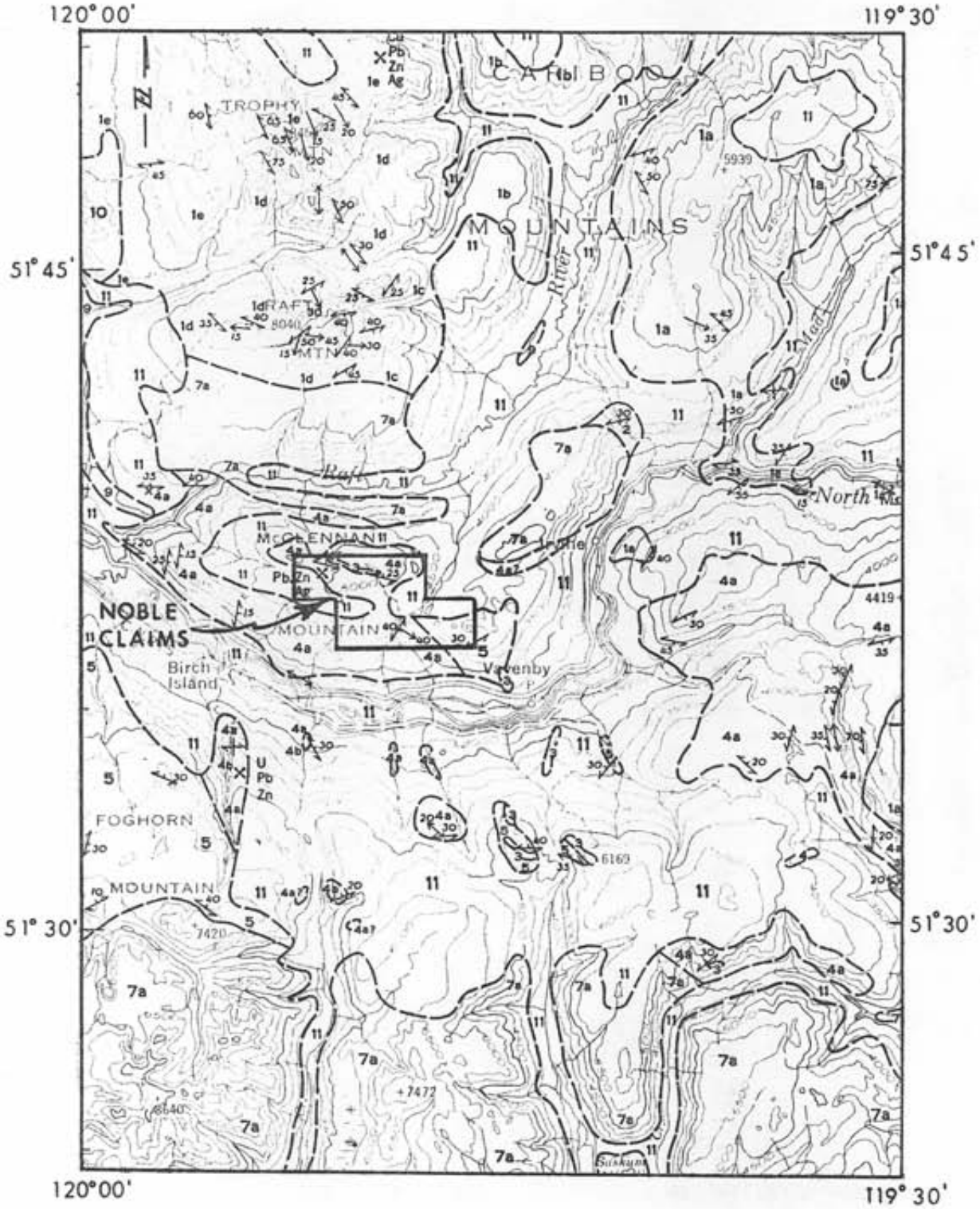
The Nimsic and neighbouring Quartz claims were subsequently allowed to lapse and the Noble claims were staked by Placer Development Ltd. personnel in 1983. The Noble 1-5 claim group, consisting of 100 contiguous units, was staked between 22nd and 25th of March 1983 and the Noble 6 claim, consisting of an additional 20 units, was added on the 8th of June 1983. The claim blocks were recorded on 30th of March, 1983 and 27th of June, 1983 respectively.

Claim Name	Units	Record No.	Expiry Date
Noble 1	20	4388(3)	March 30, 1984
Noble 2	20	4389(3)	" " "
Noble 3	20	4390(3)	" " "
Noble 4	20	4391(3)	" " "
Noble 5	20	4392(3)	" " "
Noble 6	20	4561(6)	June 27, 1984

3.0 Regional Geological Setting

Figure 3, a detail from the 1:250,000 scale geological map of the Adams Lake Area (Map 48-1963 by R.B. Campbell) shows that the Noble Claims are underlain by dark grey and brown phyllite, limestone, sericitic quartzite, minor greenstone, quartz-feldspar-chlorite gneiss and meta-conglomerate (Unit 4a) which is Permian or earlier in age. The strata are currently assigned to Mississipian Eaglebay Formation (Schiarizza; B.C.M. of E.M. and P.R. Geological Fieldwork, 1981, Paper 1982-1).

The Eaglebay Formation was deformed and metamorphosed during regional uplift of the Shuswap Metamorphic Complex to the east and it was subsequently cut by two east-west oriented, post-orogenic, Cretaceous, quartz monzonite batholiths (Unit 7a; Figure 3). The Raft River Batholith truncates the succession on the north face of Mount McClennan and the Baldy Batholith cuts the formation south of the North Thompson River (Figure 3).



0 5 10 Km

FIGURE 3.

REGIONAL GEOLOGICAL MAP

Mount McClennan Area

detail from GSC Map 48-1963

LEGEND

CENOZOIC

PLEISTOCENE AND RECENT

11 Glacial deposits and recent alluvium; till, gravel, sand, silt, and clay; few if any bedrock exposures

PLEISTOCENE AND/OR EARLIER

10 Olivine basalt; cinder cones, blocky flows, breccia, and agglomerate

TERTIARY

MIOCENE OR PLIOCENE

9 Flat-lying olivine basalt flows; minor breccia and gravel

MESOZOIC

TERTIARY (?)

8 Conglomerate

JURASSIC AND/OR CRETACEOUS AND (?) EARLIER

7 7a, biotite granodiorite and granite; 7b, hornblende diorite; 7c, muscovite granite; 7d, biotite-hornblende syenite, biotite granodiorite, hornblende diorite, and felsite; includes septa and inclusions of intruded rocks

6 Serpentinite

PALAEOZOIC OR EARLIER

PERMIAN OR EARLIER

5 Greenstone, greenschist, chlorite schist, phyllite, limestone, quartz-sericite schist, quartzite, volcanic agglomerate

4 4a, dark grey and brown phyllite (commonly limy), limestone, sericitic quartzite; minor greenstone, quartz-feldspar-chlorite gneiss, and meta-conglomerate; 4b, trachytic tuff and breccia

3 Grey and buff weathering, white, grey, and buff marble and limestone; minor greenstone and phyllite

2 Undivided; includes rock types common to 4a and 5; minor quartz-mica schist and amphibolite

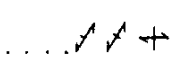
AGE UNCERTAIN

1 SHUSWAP METAMORPHIC COMPLEX

1a, characterized by well foliated granitic gneiss; quartz-feldspar-biotite gneiss, quartz-feldspar-hornblende gneiss, amphibolite; minor quartz-mica schist, quartzite, marble, and skarn; abundant and locally dominant pegmatite, muscovite granite, and biotite granodiorite; 1b, exclusively or dominantly biotite granodiorite; 1c, characterized by quartz-mica schistose gneiss (commonly garnetiferous), amphibolite, quartzite, marble, and skarn; pegmatite, muscovite granite, biotite granodiorite; minor granitic gneiss; 1d, similar to unit 1c with abundant and locally dominant dykes and sills of pegmatite, muscovite granite, and biotite granodiorite; 1e, undivided, may include all rock types found in units 1a and 1c. The granitic rocks may be equivalent to those of 7

Small rock outcrop . . . . . ×

Geological boundary (defined, approximate, and assumed) . . . . . 

Foliation including rock cleavage, schistosity, gneissosity, and bedding (inclined, vertical, and horizontal) . . . . . 

Lineation including fold axes, crenulations, mineral lineations, and bedding-cleavage intersections (plunging, horizontal) . . . . .

Fossil locality . . . . . Ⓕ

Mineral prospect . . . . . Ag ×

4.0 Work Performed

4.1 Introduction

Placer Development Ltd. personnel conducted two exploration programmes on the Noble Claim Group (8-14th June and 10-20th September) for a total of 67 man-days of field activity.

The programme involved **(1)** an examination and assessment of the Pb, Zn, Ag mineralization exposed in the Redtop, Snow and Sunrise workings **(2)** an attempt to locate the Morrison Au occurrence and to test the Au potential of a structural break underlying the McCorvie Lake system and **(3)** an attempt to locate the source of a Au, As stream sediment anomaly in Peavine Creek.

The mineralization exposed on Mount McClennan was sampled and the grid utilized by Canadian Nickel Co. Ltd. was reconstructed. A total of 27 line km of ground geophysical data (VLF EM and Magnetometer) was obtained utilizing the grid and 300 soil samples were collected to check and to extend the original soil data.

A small (3.4 line km) grid was constructed perpendicular to an inferred structure which runs down the axis of McCorvie Lake (azimuth N37°E). The grid was located over the probable site of the Morrison Au showing (Figure 2). The showing was not located. A VLF EM 16 survey was conducted on the grid and 71 B horizon soil samples were collected for analysis.

The Au As anomaly on Peavine Creek was bracketed by means of bulk silt sediment samples which were collected at approximately 200' (61 m) elevation intervals between the 2600, (792 m) and the 4300' (1311 m) contours.

4.2 Mount McClennan Area

4.2.1 Geology

Figure 4, adapted from the work of Craigmont Mines Ltd. (assessment report 6931), shows the distribution of outcrop and the inferred geology of the plateau portion of Mount McClennan. Natural outcrop is largely confined to the cliff section below the summit of the mountain. All the exposures on the plateau appear to have been created by past exploration activity.

The Eaglebay succession on Mount McClennan is comprised of a mixed package of largely undifferentiated meta-sedimentary and meta-volcanic strata. It consists of siliceous quartz sericite ($\pm$ biotite and /or chlorite) schist (Unit 1), recrystallized but recognizable acid volcanic tuff (Unit 2), recrystallized mafic volcanic tuff (Unit 3), meta-andesite (Unit 4), recrystallized limestone (Unit 5) and locally graphitic meta-argillite (Unit 6). In addition, there is local development of an epidote-magnetite rich calc silicate "skarn" (Unit 7). The detail of the stratigraphy is poorly known and there appears to be considerable variation in facies.

The Redtop, Snow and Sunrise mineral showings consist of stratabound lenses of massive, semi-massive and disseminated Pb, Zn, Ag mineralization in a package of weakly to strongly pyritiferous, siliceous, recrystallized acid volcanic tuff and related sediment (Units 1 and 2). The mineralized section is estimated to be approximately 300 m thick in the Redtop trenches in the northwest and it can be traced for a distance of 3 km to the Sunrise prospect in the southeast. The mineralized part of the section appears to overlie limestone at Redtop and it includes a minor amount of intercalated limestone, meta-argillite and recrystallized mafic tuff. The package strikes northwest to southeast and it dips to the northeast under a prominent limestone bluff, located below the summit of the mountain. The mineralized unit is directly overlain by limestone in the south east but it is separated from it by a small amount of argillaceous tuff in the vicinity of the Snow prospect. At Redtop the pyritic unit is overlain by meta-argillite.

The Eaglebay strata on Mount McClennan have been metamorphosed to lower greenschist facies. The strata are intensely deformed and the rocks commonly display a pronounced foliation parallel to bedding.

The assemblage as a whole appears to have been deformed into a shallow antiform about an axis which runs east west, subparallel to the

Canadian Nickel Co. Ltd. baseline (Figure 4), and plunges at a shallow angle to the east. The southern limb of the fold is very poorly exposed.

4.2.2 Mineralization

The character of the mineralization exposed on Mount McClennan has been discussed in detail by Dr. J.F. Walker of the G.S.C. (Summary Report: 1930 A); H.C.B. Leitch, 1962 (Assessment report 436) and J.M. Dawson; 1976 (Assessment report 5813). The early reports describe the occurrence of a "replacement " sulphide desposits. Since the work of J.M. Dawson, it is generally accepted that the mineralization has an exhalative origin.

(1) Sunrise Showing

The Sunrise showing (Figure 4) was mapped and sampled by Leitch. His map of the area, reproduced in Figure 5, shows that a large number of pits and trenches had been dug on the property in the early days of exploration. According to Dawson, the workings expose "at least two massive sulphide horizons (mostly pyrrhotite, pyrite and sphalerite) varying from 1-4 feet thick (0.3-1.2m) and two (?) thinner bands less than 6 inches (0.15m) in width". The mineralized layers are nearly flat lying and Leitch suggested that they were located close to the nose of an easterly plunging anticline.

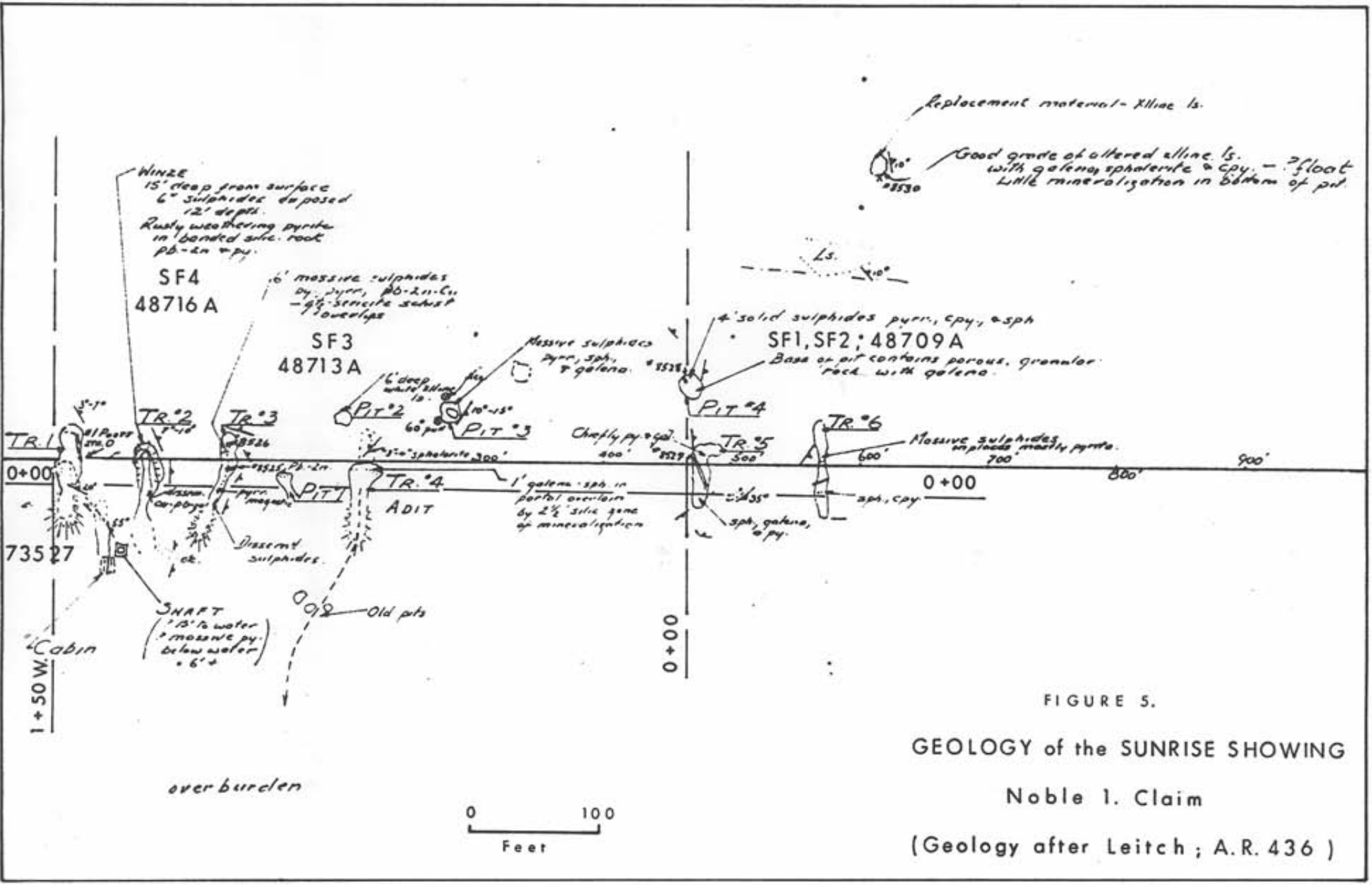


FIGURE 5.

GEOLOGY of the SUNRISE SHOWING

Noble 1. Claim

(Geology after Leitch ; A.R. 436)

TABLE 1

"MASSIVE SULPHIDE" CHIP SAMPLE ANALYSES

Sunrise Prospect: Noble 1 Claim

Main Showing (1.2 m massive pyrrhotite with traces of chalcopyrite and sphalerite)

Chip Sample	Cu (%)	Zn (%)	Pb (ppm)	Ag (ppm)	Au (ppm)
1) SF1	0.17	0.11	134	1.2	0.04
2) SF2	0.16	0.12	72	1.0	0.03
3) 48709A	0.18	0.06	260	8.0	<0.02

East Trench (1.0 m pyrite, pyrrhotite, sphalerite with minor chalcopyrite and galena)

Chip Sample	Cu (ppm)	Zn (%)	Pb (%)	Ag (ppm)	Au (ppm)
1) SF 3	610	3.02	0.51	73	0.59
2) 48713A	400	0.34	0.21	42	0.26

Central Trench (2.0 m massive pyrite, pyrrhotite, sphalerite galena and minor chalcopyrite)

Chip Sample	Cu (%)	Zn (%)	Pb (%)	Ag (ppm)	Au (ppm)
1) SF4	0.13	18.3	2.62	225	1.73
2) 48716A	0.13	14.9	2.09	179	1.29

West Trench (Chips from blocks of massive pyrite, pyrrhotite and sphalerite)

Chip Sample	Cu (ppm)	Zn (%)	Pb (ppm)	Ag (ppm)	Au (ppm)
1) 73527	600	12.0	820	38	0.05

TABLE 1 Cont'd...

"MASSIVE SULPHIDE" CHIP SAMPLE ANALYSES

Snow Prospect: Noble 2 Claim

Old Trench Showing (Chips from mineralized blocks: pyrite, pyrrhotite, sphalerite and minor chalcopyrite)

Chip Sample	Cu (%)	Zn (%)	Pb (ppm)	Ag (ppm)	Au (ppm)
1) 73502	0.17	0.39	620	50	<0.02

New Trench Showing (Chips from mineralized blocks: pyrite, minor pyrrhotite, sphalerite, galena and chalcopyrite)

Chip Sample	Cu (%)	Zn (%)	Pb (%)	Ag (ppm)	Au (ppm)
1) 48704A	1.18	0.80	2.10	140	0.12
2) 73501	0.76	0.78	0.08	87	<0.02

Upper Snow Trench (Chips taken across 2.0 m of massive to semi-massive pyrite)

Chip Sample	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppm)	Au (ppm)
1) 73524	95	25	3	<0.2	<0.02

Redtop Prospect: Noble 6 Claim

West Trench (2.0 m semi-massive pyrite with minor sphalerite and galena in quartz-sericite schists)

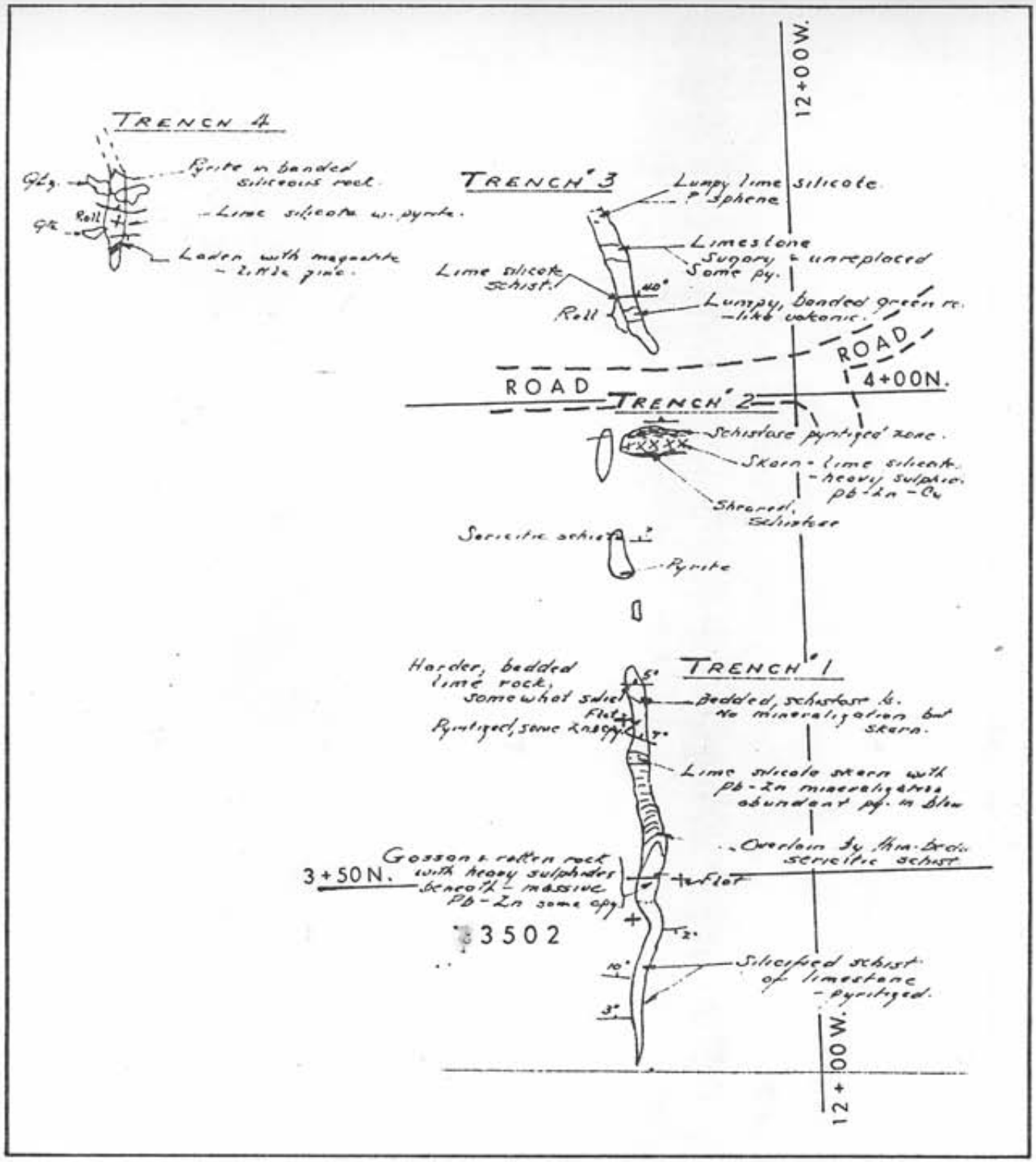
Chip Sample	Cu (ppm)	Zn (ppm)	Pb (ppm)	Ag (ppm)	Au (ppm)
1) 73513	145	470	810	3.4	<0.02

Continous chip samples were collected across lenses of massive sulphide exposed in three of the old workings and random chips were collected from mineralized blocks adjacent to a fourth. The samples were analyzed for Cu, Zn, Pb, Ag and Au. The results are shown in Table 1. The data show that the main pyrrhotite-rich sulphide lens is weakly mineralized and that the more pyritic sulphide lenses contain variable amounts of Pb, Zn and Ag. The main, east and central showing were sampled on two occasions to test for reproducability. The data in Table 1 suggest that the mineralization is reasonably homogenous.

(2) Snow Showing

The Snow showing, which was also described by J.M. Dawson and H.C.B. Leitch, is reported to consist of four "semi-comformable" massive sulphide bands in a package of essentially flat-lying, carbonate -bearing, quartz sericite schist 40 feet (12.2m) thick. The mineralization is descibed as consisting of one band 4 feet (1.2m) thick and three others 1-2 feet (0.3-0.6m) thick.

The bands were originally exposed in a north-south oriented trench which was mapped by Leitch in 1960 (Figure 6). The walls of the trench have since collapsed and it is no longer possible to identify the mineralization in situ. Sample 73502, in Table 1, represents a



0 50
Feet

FIGURE 6.

GEOLOGY of the SNOW SHOWING

Noble 2 Claim

(Geology after Leitch ; A.R. 436)

random chip sample of "massive sulphide" collected from blocks adjacent to the inferred location of the main zone of mineralization. The sulphide sample consists of coarse granular pyrite with minor sphalerite, galena and chalcopyrite. Similar material, presumeably from the same horizon, appears to be exposed in a more recent trench located 150 m to the west (Figure 4). The floor of the trench consists of angular blocks of relatively fresh, massive and semi-massive, coarse-grained, bedded, sulphide. Two random chip samples were also collected from the mineralized blocks in the floor of the trench. All three samples contain a minor amount of Cu, Zn and Pb and a significant (>50 ppm) amount of Ag (Table 1).

Figure 4 shows that acid volcanic tuffs (Unit 2) are exposed in two trenches immediately below the limestone bluffs to the north of the Snow mineral showing. The tuffs are weakly to intensely pyritic and semi-massive to massive, coarse, pyrite is exposed over a 2.0 m width close to the top of the section. A chip sample across the zone (sample 73524: Table 1) shows it to be barren.

Hunter (assessment report 6603) examined the lower Snow mineralization in detail and concluded that the sulphides occurred in units which display definate graded bedding of both quartz and pyrite. He concluded that Zn

rich bands graded upward into Cu rich within a given unit. In addition, he noted that chalcopyrite appears to be partially mobilized into north-south oriented tension factures.

(3) Redtop Showing

The Redtop showings, (Figure 4) are described by J.F. Walker (1930) and H.C.B. Leitch (1962). The occurrence appears to consist of several pyrite, sphalerite and galena "replacements" in silicified and altered limestone. The best showing is described by Leitch as follows:

"Number 4 workings, pit or trench, contain crystalline limestone and silicified rock in which massive sulphide mineralization occurs among thin bands of disseminated sulphides. The sulphides consist chiefly of pyrite, galena, sphalerite but chalcopyrite shows at a number of points."

The Redtop trench system has been altered and expanded since Leitch visited the property and the above occurrence has not, so far, been located. A 5' (1.5m) chip sample (B8531-B) collected by H.C.B. Leitch across the better mineralized portion of the above section was reported to run 0.005 oz/ton Au, 0.55 oz/ton Ag, 0.08% Cu, 2.75% Pb and 3.15 % Zn.

The four new trenches on the Redtop prospect expose a 300 m thick section of rusty, pyritic, quartz sericite schist with local intercalations of shale and limestone. The mineralization consists mainly of disseminated pyrite but trace amounts of sphalerite and galena were also observed in calcareous schist above and below the main limestone interbed (Figure 4). Sample 73513 (Table 1) is a chip sample collected from a 2.0 m thick, highly pyritic, interbed close to the base of this limestone unit in the western-most of the Redtop trenches.

4.2.3 Soil Geochemistry

Canadian Nickel Co. Ltd. constructed a grid on the Mount McClennan property in 1976 and collected 1600, B-horizon soil samples. The samples were initially collected at 100 m intervals on north-south lines spaced 150 m apart. The sample spacing was subsequently reduced to 50 m over much of the grid and locally it was reduced to 25 m. In addition, the spacings between lines was reduced by half in a few critical areas (assessment report 6603). The -80 mesh fraction was analyzed for Cu, Zn, Ag and, in some cases, Pb.

The soil data obtained by Canadian Nickel Co. Ltd. was not effective in outlining known areas of mineralization and it was not able to demonstrate continuity between the mineral showings. The results define two broad zones of single point anomalies which appear to correlate with the two limbs of the antiform.

Placer Development Ltd. personnel collected 300 B-horizon soils samples on selected areas of the property. The samples were shipped to the Company Research Laboratory in Vancouver and the -80 mesh fraction was analyzed for Mo, Cu, Zn, Pb and Ag. A total of 183 samples were also analyzed for Cd and Mn. The results are listed in Appendix I and the values for Cu, Zn, Pb and Ag are posted in Figures 7, 8, 9 and 10.

The results show broad agreement with the Canadian Nickel Co. Ltd. data. Chemical dispersion appears to be inhibited both by the presence of carbonate in the soil and the local presence of a transported till. Individual samples anomalous in one or more of Cu (>120 ppm), Zn (>250 ppm), Pb (>50 ppm) or Ag (>0.6 ppm) define point anomalies within the over all trend. The data is consistent with the observed presence of a large number of mineralized horizons within a thick stratigraphic package.

4.2.4 Ground Geophysics

A total of 27 line km of ground magnetometers and VLF (E-M 16) data was collected on the existing grid. Data was recorded at 10 m intervals on lines spaced 150 m apart.

The ground magnetic data (Figure 11) show that the pyrrhotite lens on the Sunrise prospect is limited in extent and that there is no indication of extensive pyrrhotite mineralization on the north limb of the inferred

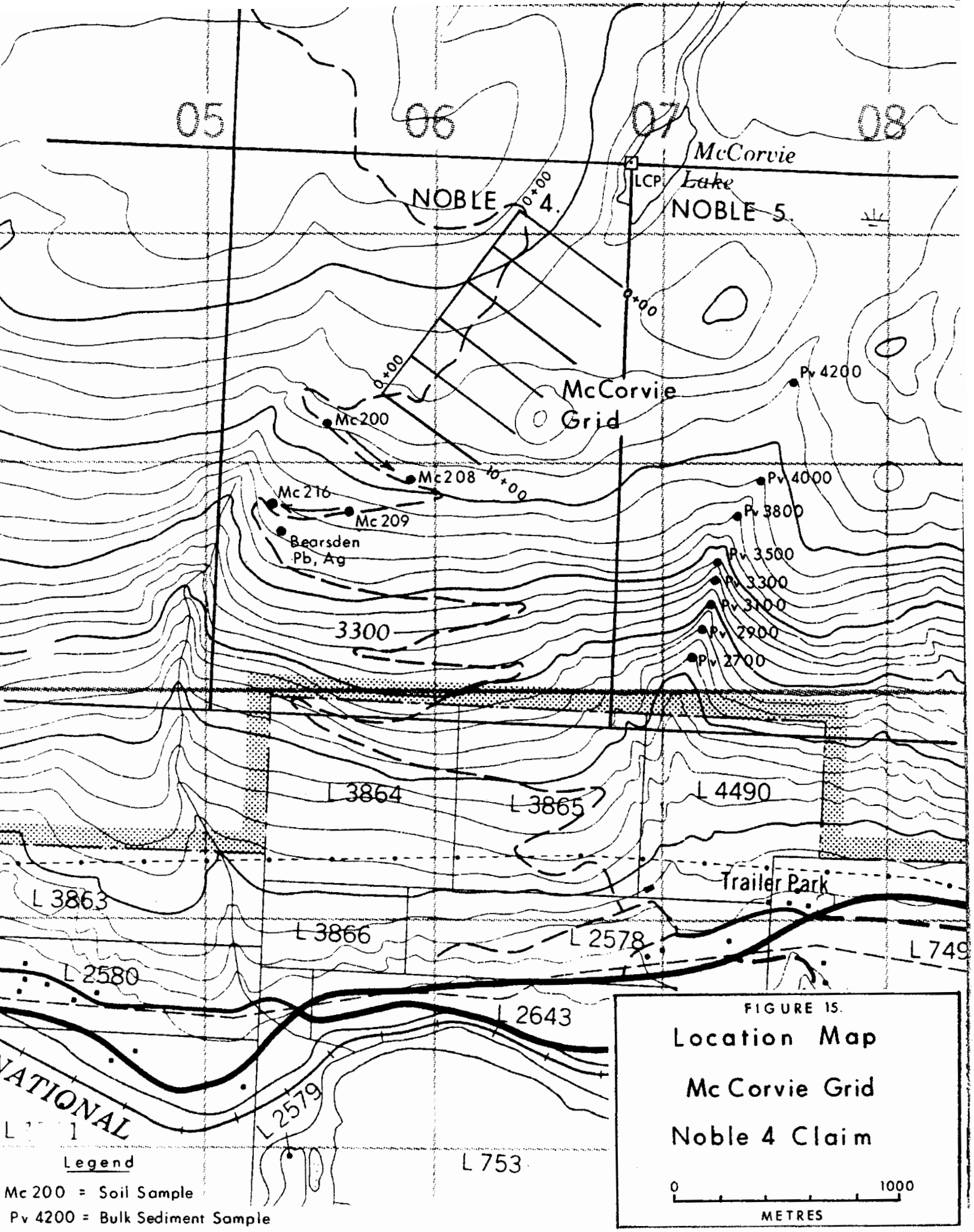
antiform, between the Redtop and Sunrise mineral prospects. Local magnetic peaks were observed on many of the north-south lines. These are attributed to local, minor, development of pyrrhotite within the over-all, 300 m thick, pyritic rock package. Four lines of magnetic data in the southwest corner of the survey area show a strong and coherent magnetic anomaly which correlates with a moderate to weak VLF conductor. The anomaly is located in an area of calc-silicate "skarn" (Unit 7) on the southern limb of th inferred antiform.

The VLF survey was undertaken using base stations at Annapolis and Cutler. The survey reveals the presence of a series of semi-continuous conductors which appear to represent pyritic, pyrrhotitic and/or graphitic interbeds within the Eaglebay Formation (Figures 12-14). The surface trace of the conductors is consistent with the presence of an inferred antiform which strikes roughly east-west and plunges a few degrees to the east (Figure 4).

4.3 McCorvie Lake Area

4.3.1 Geology

The McCorvie grid was constructed over a topographic depression which is defined by the axis of McCorvie Lake (Figure 15). The depression is presumed to be controlled by a fault which strikes approximately northeast - southwest. The depression is filled with glacial till and there is very little outcrop exposed on the grid. An outcrop of deformed and carbonatized graphitic and chloritic sericite schist is exposed in a road cut in the south


05
06
07
08
McCorvie
Lake
LCP
NOBLE 4.
NOBLE 5.
0+00
0+00
0+00
10+00
McCorvie
Grid
Mc200
Mc208
Mc216
Mc209
Bearsden
Pb, Ag
Pv 4200
Pv 4000
Pv 3800
Pv 3500
Pv 3300
Pv 3100
Pv 2900
Pv 2700
3300
L 3864
L 3865
L 4490
Trailer Park
L 3863
L 3866
L 2578
L 749
L 2580
L 2643
L 2579
L 753
NATIONAL
Legend
Mc 200 = Soil Sample
Pv 4200 = Bulk Sediment Sample
FIGURE 15.
Location Map
Mc Corvie Grid
Noble 4 Claim
0
1000
METRES

west corner of the grid and an outcrop of deformed meta-basalt was located off the grid to the northeast.

Canadian Nickel Co. Ltd. mapped deformed quartz sericite schist in a number of road cut outcrops on the projection of the fault system exposed on the lower slopes of the mountain (assessment report 6603). The fault is inferred to dip at approximately 45° to the southeast.

4.3.2 Mineralization

No mineralization has so far been located on the McCorvie grid although it was constructed over the inferred location of the Morrison Au showing (assessment report 436). Leitch describes the showing as consisting of a short shaft leading to a some-what caved tunnel. A channel sample taken across quartz lenses and altered country rock is reported to have run 0.4 oz/ton Au.

The Bearsden Pb, Ag prospect appears to be a quartz vein occurrence located in the fault zone on the lower slopes of the mountain.

4.3.3 Soil Geochemistry

The McCorvie grid was established by running a base line at an azimuth of 217° from a point 500 m west and 210 m south of the legal post for Noble 5. The line was marked at 200 m intervals and six grid lines, approximately 500 m in length were constructed to the east of the baseline (Figure 15).

A total of 71 standard, B-horizon, soil samples were collected from the underlying till at 50 m intervals along the grid lines. The samples were shipped to the Company laboratory and the -80 mesh fraction was analyzed for Mo, Cu, Zn, Pb, Ag, Au, As and Hg. The results are listed in Appendix II and the Cu, Pb, Zn, As and Hg values are posted in Figures 16 to 20. No coherent geochemical anomalies were identified on the grid but a few, weak, point anomalies were detected.

A further 17 B-horizon soil samples (MC200-MC216) were collected at intervals of approximately 50 m along the upper switchbacks of the old forestry road which intersects the projection of the fault zone on the lower slopes of about McClennan (Figure 15). The -80 mesh fraction was analyzed for Mo, Cu, Zn, Pb, Ag, Au, As, Mn and Hg. The results are listed in Appendix III. No significant anomalies were detected.

4.3.4 Ground Geophysics

A total of 3.4 line km of EM-16 data was gathered on the six-line McCorvie Grid. Data was collected at 10 m intervals using a base station at Seattle. In phase and quadrature data were noted. The in phase data was subjected to the Fraser Filter and profiles were generated for the grid. (Figures 21-23).

The survey revealed three continuous and several sympathetic conductors which traverse the grid from northeast to southwest. The conductors are presumed to represent the surface expression of the McCorvie Fault Zone. Anomaly amphitudes decrease markedly at the south end of the grid, between lines 8+00 and 10+00 south.

4.4 Peavine Creek Area

4.4.1 Geology

Peavine Creek is an incised drainage which descends rapidly from a upland plateau at elevation 4250' (1295 m) to the valley of the North Thompson River at elevation 1500' (457 m). The Creek cuts a section through a mixed package of Eaglebay Formation strata. Outcrop exposed in the section includes a small amount of fractured meta-basalt which strikes at 150° and dips 40° NE at elevation 3900' (1189 m); a mixed and deformed black meta-argillite and recrystallized limestone package at 3700' elevation (1128 m) and a thick meta-basalt unit which extends from the 3600' (1097 m) elevation to the 2800' elevation (853 m).

Blocks of meta-basalt located in the creek bed below an elevation of 3700' (1128 m) are veined and they show signs of weak to intense quartz-carbonate alteraton.

4.4.2 Mineralization

There is no known source of mineralization on Peavine Creek but a heavy

mineral sample previously collected at an elevation of 2600' (792 m) was found to contain anomalous amounts of Cu, Pb, Zn, Cd, Ag, Au and As.

4.4.3 Silt Geochemistry

A total of eight, -20 mesh, bulk sediment samples were collected from the Creek bed at elevation intervals of approximately 200' (61 m) using an altimeter. A correction of 100' (33 m) was later applied (Figure 15). The 5 lb (2.3 kg) samples were collected at an elevation of 2600' (792 m), 2800' (853 m), 3000' (914 m), 3100' (945 m), 3400' (1036 m), 3700' (1128 m), 3900' (1189 m) and 4100' (1250 m). Each sample was subsequently shipped to the Company laboratory in Vancouver, dried, shaken and sieved to -150 mesh. The -150 mesh sample was analysed for Mo, Cu, Zn, Pb, Ag, Au, Hg and Sb. The Au analysis was conducted in triplicate. The analytical results are listed in Appendix IV.

The bulk sediment data show that Cu, Zn, Pb and As enter the creek system somewhere between the 3400' (1036 m) and 3700' (1128 m) elevation contours. The data also show that Au and minor As enter the creek at a slightly higher level, between 3700' (1128 m) and 3900' (1189 m) elevation.

The analytical data and the presence of boulders of quartz-carbonate altered rock at 3700' (1128 m) elevation suggests that the source of the mineralization is located above the main section of meta-basalt.

5.0 Discussion

The exploration programme carried out on Mount McClennan confirms some of the results of the programme carried out by Canadian Nickel Co. Ltd. in 1976. The exhalative Pb, Zn, Ag mineralization exposed on the plateau portion of the mountain appears to consist of several narrow mineralized horizons within a 300 m thick package of weakly to intensely pyritized quartz-sericite schists. The package appears to extend from Redtop to Sunrise and beyond and it appears to be warped about an east-west axis into an antiform which has a shallow easterly plunge. The southern limb of the fold is poorly exposed and it has not been fully evaluated. The package contains numerous semi-continuous VLF conductors which include pyritic and pyrrhotitic horizons, with or without Pb,Zn, Ag mineralization, and interbeds of graphitic schist. The best combination of geophysical conductors is located at the west end of the southern limb, in an area underlain by calc- silicate "skarn". The geochemical survey was used to evaluate the existing data from Canadian Nickel Co. Ltd. and to test the application of soil geochemistry in a few key areas. The results confirm that the geochemically active rock package can be traced by geochemistry, but that it is not possible to define coherent geochemical anomalies related to specific bodies of mineralization.

The exploration programme carried out on the McCorvie Grid located a major fault system running down the axis of McCorvie Lake. The fault was thought to control the location of the Morrison Au occurrence, as defined by Leitch (assessment report 436). The occurrence was not located and no significant mineralization was detected.

Bulk sediment samples collected in Peavine Creek have bracketed the source of a Au, As and base metal anomaly detected in a heavy mineral sample previously collected from the creek. The specific source and nature of the mineralization is not known but it appears to be related to quartz-carbonate alteration.

6.0 Conclusion

The principal conclusions derived from the above can be summarized as follows:

(1) The exhalative mineralization on Mount McClennan consists of small lenses within a thick over-all package which has been deformed into an antiform. The down plunge and southern limbs of the fold are not well exposed and they are largely unexplored. There is still potential for a large exhalative, Ag rich, massive sulphide deposit.

(2) The McCorvie Grid was constructed over a fault controlled, till-choked, topographic depression. The Morrison Au showing was not located and no mineralization was detected. The presence of carbonate alteration in outcrop suggests that there is some potential for epithermal Au mineralization.

(3) The results show that there is a reasonably well defined source area for the Au, As anomaly on Peavine Creek. The presence of quartz-carbonate altered rock in the creek bed suggests an epithermal mineral occurrence.

7.0 Statement of Expenditures

Labour Cost - Personnel

R. Pinsent (Project Geologist)			
June 7-17th & Sept. 9-21st	24 days @ $260.	= 6,240.	
R. Boyce (Geologist)			
June 7-17th & Sept. 9-21st	24 days @ $200.	= 4,800.	
J. Thornton (Geophysicis)			
June 7-17th & Sept.13-21st	20 days @ $210.	= 4,200.	
B. Ott (Technician)			
Sept. 13-18th	6 days @ $200.	= 1,200.	
			$ 16,440.00

Room & Board

"Jasper Way Inn" Clearwater, B.C.	
67 man days & $40./man day	$ 2,680.00

Vehicle Expense

1 4x4 Suburban @ $40./day June 7-17th	(11 days)	$440.	
1 3/4 ton Chev 4x4 P.U. @ $35./day June 7-17	(11 days)	385.	
1 4x4 Suburban @ $40./day Sept. 7-21	(13 days)	520.	
1 4x4 Suburban @ $40./day Sept.13-18	(6 days)	240.	$1,585.00

Sample Preparation & Assay Cost

127 soil samples geochem for: Mo,Cu,Pb,Zn,Ag @ $4.90/sample plus .65¢ sample preparation	$704.85	
183 soil samples geochem for: Mo,Cu,Pb,Zn,Ag plus Cd & Mn @ $10.30/sample	$1,884.90	
71 soil samples geochem for: Mo,Cu,Zn,Pb,Ag As & Hg @ $14.95/sample	$1,061.45	
8 bulk samples geochem for: Mo,Cu,Zn,Pb, Ag(Aux3) As,Hg & Sb @ $23.05/sample plus $10./sample preparation	$264.40	
30 rock samples geochem for: Mo,Cu,Zn,Pb,Cd Au,As,Mn,Hg & Sb @ $21.15/sample plus sample preparation @ $2.50/sample	$709.50	$4.635.10

Report Preparation - Personnel

R. Pinsent 10 days @ $260./day	$2,600.	
J. Thornton 5 days @ $210./day	1,050.	
A. Kemp (Draftman) 3 days @ $175./day	525.	
D. Dussault (Typist) 1 day @ $150./day	150.	
Map Reproductions	$ 300.	
Computer Time	150.	$4,775.00
	TOTAL	$ 30,105.10

8.0 Statement of Qualifcations

I, Robert H. Pinsent of 108-2080 Maple Street, Vancouver, British Columbia (V6J 4P9), do hereby certify that:

1. I am a geologist employed by Placer Development Ltd., of 1200 - 1055 Dunsmuir Street, Vancouver, British Columbia (V7X 1P1).

2. I am a geology graduate of the following Universities:

   Aberdeen University, B.Sc., Hon., (1968)

   University of Alberta, M.Sc. (1971)

   Durham University, PhD. (1975)

3. I have been engaged in the practice of geology since graduation in 1968.

4. I have supervised and carried out the fieldwork, and interpreted the data from the exploration programme on the Noble Claim Group (Latitued 51° 38', Longitude 119° 48') in the Kamloops Mining District.

Respectfully submitted,

R.H. Pinsent

RHP/dd
84.03.27

APPENDICES

Appendix I Soil Geochemical Data: Noble Grid

Appendix II Soil Geochemical Data: McCorvie Grid

Appendix III Soil Geochemical Data: McCorvie Road Section

Appendix IV Bulk Sediment Geochemical Data: Peavine Creek

P L A C E R D E V E L O P M E N T L T D (R E S E A R C H C E N T R E)

GEOCHEMICAL DATA LISTING: Mount McClennan soil grid, Noble Claims, 82m12w DATE: 84-03-22

PDL lab data file: P3067
AREA: NOBLE CLAIMS
MAPSHEET NO: 82M-12W
VENTURE: 188
GEOLOGIST: R. PINSENT
LAB PROJECT NO: 3067

REMARKS: PLEASE DISTRIBUTE RESULTS TO: R. PINSENT I. THOMSON S. TENNANT
R. SHKLANKA B. HODGSON

PDL lab data file: P3174
AREA: NOBLE CLAIMS
MAPSHEET NO: 82M12W
VENTURE: 188B
GEOLOGIST: R. PINSENT
LAB PROJECT NO: 3174

REMARKS: PLEASE DISTRIBUTE RESULTS TO: R. PINSENT S. TENNANT B. HODGSON
I. THOMSON R. SHKLANKA

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
SAMPLE NUMBERS FOLLOWED BY • ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK	USED	TIME	RANGE	METHOD
MO	PPM	0.5	C	HCLO4/HNO3	4HRS	1-1000	ATOMIC ABSORPTION
CU	PPM	0.5	C	HCLO4/HNO3	4HRS	2-4000	ATOMIC ABSORPTION
ZN	PPM	0.5	C	HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
PB	PPM	0.5	C	HCLO4/HNO3	4HRS	2-3000	A.A. BACKGROUND COR.
CD	PPM	0.5	C	HCLO4/HNO3	4HRS	0.2-200	A.A. BACKGROUND COR.
NI	PPM	0.5	C	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
CO	PPM	0.5	C	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
AG1	PPM	0.5	C	HCLO4/HNO3	4HRS	0.2-20	A.A. BACKGROUND COR
AG2	PPM	0.5	C	HNO3	2HRS	0.02-4.00	A.A. SOLVENT EXTRACT
AU	PPM	10.0	AQUA REGIA		3HRS	0.02-4.00	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL HNO3		2HRS	1.0-1000	FLOURIMETRY SOLV. EX.
V	PPM	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	1.0	C	HF/HNO3/HCL/H2SO4	4HRS	5-500	A.A. SOLVENT EXTRACT.
F	PPM	0.25	NA2CO3/KNO3 FUSION		30MIN	40-4000	SPECIFIC ION ELECTODE
AS	PPM	0.5	C	HCLO4/HNO3	4HRS	2-1000	A.A. BACKGROUND COR.
SB	PPM	0.5	C	HCLO4/HNO3	4HRS	2-1000	A.A. BACKGROUND COR.
BI	PPM	0.5	C	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
MN	PPM	0.5	C	HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
FE	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
HG	PPB	0.5	DIL HNO3		2HRS	5-2000PPB	A.A. COLD VAPOR GEN.
BA	%	0.25	C	HF/HI/OXALIC	4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
K	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
CA	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
SR	PPM	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	10-2000	ATOMIC ABSORPTION
MG	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.2-20%	ATOMIC ABSORPTION
SN	PPM	1.0	NH4I FUSION		15MIN	5-500	A.A. SOLVENT EXTRACT.
LOI	%	1.0	ASH 600 DEG C		2HRS	0.02-99%	WEIGH RESDUE

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM Mount McClennan soil grid, Noble Claims, 82m12w

DATE: 84-03

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	CD	AG	MN
1+50E	3+00S	3067	1	25	78	28		<0.2	
1+50E	2+50S	3067	2	156	277	39		<0.2	
1+50E	2+00S	3067	1	23	122	18		<0.2	
1+50E	1+50S	3067	2	15	87	28		<0.2	
1+50E	1+00S	3067	2	43	168	18		0.6	
1+50E	0+50S	3067	4	570	99	20		<0.2	
1+50E	0+00	3067	2	18	223	27		<0.2	
1+50E	0+50N	3067	3	113	205	60		<0.2	
1+50E	1+00N	3067	3	61	130	32		<0.2	
1+50E	1+50N	3067	2	40	173	24		<0.2	
1+50E	2+00N	3067	2	31	87	18		<0.2	
1+50E	2+50N	3067	2	83	98	24		<0.2	
1+50E	3+00N	3067	1	12	63	8		<0.2	
1+50E	2+00S	3067	3	68	103	25		<0.2	
7+50E	1+50S	3067	4	55	181	24		0.4	
7+50E	1+00S	3067	2	58	222	35		<0.2	
7+50E	0+50S	3067	1	18	64	11		<0.2	
7+50E	0+00	3067	2	43	170	15		<0.2	
7+50E	0+50N	3067	2	68	47	8		0.2	
7+50E	1+00N	3067	1	30	45	16		<0.2	
7+50E	1+50N	3067	1	75	26	8		<0.2	
7+50E	2+00N	3067	2	29	85	15		<0.2	
0+00	3+00S	3067	1	18	136	43		<0.2	
0+00	2+50S	3067	1	13	96	19		<0.2	
0+00	2+00S	3067	2	35	82	23		<0.2	
0+00	1+50S	3067	2	37	120	27		<0.2	
0+00	1+00S	3067	2	21	98	36		<0.2	
0+00	1+00S*	3067	2	20	94	38		<0.2	
0+00	0+50S	3067	5	300	134	33		1.0	
0+00	0+00	3067	2	70	350	220		1.0	
0+00	0+50N	3067	1	24	216	34		<0.2	
0+00	1+00N	3067	2	19	166	37		<0.2	
0+00	1+50N	3067	5	30	83	16		<0.2	
0+00	2+00N	3067	2	42	76	20		<0.2	
0+00	2+50N	3067	1	37	131	13		<0.2	
0+00	3+00N	3067	2	20	108	32		<0.2	
1+50W	3+00S	3067	1	19	110	22		0.2	
1+50W	3+00S	3067	1	19	113	25		0.2	
1+50W	2+50S	3067	1	13	96	19		<0.2	
1+50W	2+00S	3067	1	22	102	23		<0.2	
1+50W	1+50S	3067	2	126	210	35		0.6	
1+50W	1+00S	3067	2	14	114	14		<0.2	
1+50W	0+50S	3067	3	8	31	15		<0.2	
1+50W	0+00	3067	2	80	57	24		0.5	
1+50W	0+50N	3067	4	65	183	58		<0.2	
1+50W	1+00N	3067	4	47	122	66		0.5	
1+50W	1+50N	3067	2	72	198	38		<0.2	
1+50W	2+00N	3067	2	33	84	27		<0.2	
1+50W	2+50N	3067	3	75	118	35		0.2	
1+50W	3+00N	3067	2	24	50	7		0.2	
1+50W	3+30N	3067	2	27	103	29		<0.2	
3+00W	3+50S	3067	3	15	183	22		0.4	
3+00W	3+00S	3067	3	124	1670	66		0.8	
3+00W	2+50S	3067	2	14	131	14		0.2	
3+00W	2+00S	3067	1	15	166	357		0.6	
3+00W	1+50S	3067	1	6	60	11		0.2	
3+00W	1+50S*	3067	1	6	60	10		0.2	
3+00W	1+50SB	3067	1	12	58	11		<0.2	
						20		<0.2	

PLACER G. CHEM ASSAY SYSTEM: DATA FROM Mount McCler n soil grid, Noble Claims, 82m12w DATE: 84-(

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	CD	AG	MN
3+00W	0+00	3067	1	37	150	33		<0.2	
3+00W	0+50N	3067	2	28	147	24		<0.2	
3+00W	1+00N	3067	2	37	142	15		<0.2	
3+00W	1+50N	3067	1	15	72	15		0.2	
3+00W	2+00N	3067	2	15	132	12		0.2	
3+00W	2+50N	3067	2	45	132	50		0.2	
3+00W	3+00N	3067	1	46	103	7		<0.2	
12+00W	0+50S	3067	2	10	120	16		<0.2	
12+00W	1+00S	3067	1	13	271	21		<0.2	
12+00W	1+50S	3067	3	42	860	45		<0.2	
12+00W	2+00S	3067	1	14	180	17		0.2	
12+00W	2+50S	3067	2	17	78	17		<0.2	
12+00W	2+70S	3067	2	34	93	24		<0.2	
12+00W	3+50S	3067	4	58	44	10		<0.2	
12+00W	3+50S*	3067	3	60	43	10		<0.2	
12+00W	4+00S	3067	4	170	86	6		0.6	
13+50W	0+50S	3067	2	17	117	24		<0.2	
13+50W	1+00S	3067	3	31	189	55		<0.2	
13+50W	1+50S	3067	2	10	112	16		0.2	
13+50W	2+00S	3067	2	14	122	23		0.2	
13+50W	2+50S	3067	2	14	65	12		<0.2	
13+50W	3+00S	3067	3	120	86	24		1.0	
13+50W	3+50S	3067	3	31	131	22		0.3	
13+50W	4+00S	3067	2	105	66	17		0.3	
13+50W	4+40S	3067	3	69	141	30		<0.2	
15+00W	0+50S	3067	2	26	137	54		<0.2	
15+00W	1+00S	3067	2	16	192	23		0.6	
15+00W	1+50S	3067	2	8	70	11		<0.2	
15+00W	2+00S	3067	1	26	24	9		0.6	
15+00W	2+50S	3067	1	41	55	13		0.4	
15+00W	3+00S	3067	1	171	62	17		0.6	
15+00W	3+50S	3067	1	11	90	12		<0.2	
15+00W	4+00S	3067	1	21	47	18		<0.2	
15+00W	4+50S	3067	1	50	173	17		0.6	
15+00W	4+50S*	3067	1	50	173	18		0.4	
24+00W	0+50S	3067	1	29	96	22		0.2	
24+00W	1+00S	3067	3	12	95	23		0.2	
24+00W	1+50S	3067	1	15	90	13		<0.2	
24+00W	2+00S	3067	1	19	110	12		<0.2	
24+00W	2+50S	3067	<1	23	107	13		<0.2	
24+00W	3+00S	3067	<1	12	80	18		0.2	
24+00W	3+50S	3067	<1	14	68	12		0.2	
24+00W	4+00S	3067	1	11	47	8		<0.2	
24+00W	4+50S	3067	1	20	119	15		<0.2	
24+00W	4+50S*	3067	1	21	118	15		<0.2	
24+00W	5+00S	3067	1	50	67	13		2.0	
24+00W	5+50S	3067	2	25	97	26		<0.2	
24+00W	6+00S	3067	2	19	76	18		<0.2	
24+00W	6+50S	3067	2	15	96	17		<0.2	
24+00W	7+00S	3067	2	19	48	6		<0.2	
24+00W	8+00S	3067	2	24	97	16		<0.2	
25+50W	0+50S	3067	2	21	69	17		<0.2	
25+50W	1+00S	3067	2	9	75	14		<0.2	
25+50W	1+50S	3067	3	18	81	15		0.8	
25+50W	2+00S	3067	2	10	66	9		0.3	
25+50W	2+50S	3067	6	22	160	22		0.2	
25+50W	3+00S	3067	2	11	96	17		0.3	
25+50W	3+50S	3067	2	12	92	19		<0.2	
25+50W	4+50S	3067	1	22	126	21		0.3	
25+50W	5+00S	3067	2	42	140	64		1.0	

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM Mount McClennan soil grid, Noble Claims, 82m12w DATE: 84-0

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	CD	AG	MN
25+50W	5+50S	3067	3	70	116	27		0.3	
25+50W	6+00S	3067	1	20	128	20		0.3	
25+50W	6+50S	3067	2	27	107	20		0.3	
25+50W	6+50S*	3067	2	27	98	19		0.3	
25+50W	7+00S	3067	1	21	97	13		0.5	
27+00W	5+00S	3067	2	15	32	11		0.3	
27+00W	5+50S	3067	2	45	91	38		0.3	
27+00W	6+00S	3067	2	88	136	25		0.4	
27+00W	6+50S	3067	2	68	92	11		0.7	
27+00W	7+00S	3067	1	28	90	14		0.2	
27+00W	7+50S	3067	1	18	57	11		<0.2	
27+00W	8+00S	3067	2	29	78	13		<0.2	
28+50W	4+50S	3067	2	21	123	16		0.2	
test	STD G	3067	12	90	70	107		0.9	
test	STD G	3067	14	98	72	117		0.8	
test	STD G	3067	15	104	75	113		0.8	
test	STD G	3067	16	100	70	116		1.0	
test	STD G	3067	15	100	73	118		1.0	
test	STD G	3067	16	99	70	118		0.9	
test	STD G	3067	15	92	69	115		0.8	
1+50E	1+75N	3174	1	43	123	19	0.4	<0.2	640
1+50E	1+25N	3174	2	6	107	19	0.2	0.2	280
1+50E	0+75N	3174	2	28	134	27	0.2	0.4	300
1+50E	0+25N	3174	3	51	420	60	0.6	0.3	320
1+50E	0+25S	3174	3	124	125	62	0.2	0.4	180
1+50E	0+75S	3174	4	86	142	31	0.5	1.5	490
0+75W	0+25N	3174	3	52	175	38	0.2	0.3	330
0+75W	0+50N	3174	3	<2	214	55	0.7	0.4	1250
0+75W	0+75N	3174	<1	8	72	26	0.3	0.3	230
0+75W	1+00N	3174	2	33	93	25	<0.2	0.2	480
0+75W	1+25N	3174	2	118	233	44	<0.2	0.2	1030
1+50W	1+25N	3174	1	115	132	22	<0.2	0.3	270
1+50W	0+75N	3174	3	<2	110	14	0.3	0.3	350
1+50W	0+25N	3174	2	8	104	19	0.4	0.4	280
1+50W	0+25S	3174	3	54	430	51	0.4	0.5	204
2+25W	0+50N	3174	2	6	310	43	0.8	0.5	410
2+25W	0+75N	3174	2	4	149	24	1.1	0.3	670
2+25W	1+00N	3174	2	3	83	8	0.6	0.2	240
2+25W	1+25N	3174	2	33	134	18	<0.2	<0.2	250
2+25W	1+50N	3174	2	4	115	14	0.3	0.2	410
2+25W	1+75N	3174	2	8	84	15	0.2	0.3	350
2+25W	2+00N	3174	2	39	74	8	<0.2	0.3	310
2+25W	2+25N	3174	3	36	87	6	<0.2	0.3	480
2+25W	2+50N	3174	2	5	86	9	<0.2	0.3	270
3+00W	1+75S	3174	3	27	95	11	0.5	1.1	340
3+00W	2+00SA	3174	1	6	210	87	0.3	0.3	192
3+00W	2+00SB	3174	2	6	205	67	0.3	0.4	170
3+00W	2+00SB*	3174	2	5	201	66	0.4	0.5	165
3+00W	2+25S	3174	1	2	149	15	0.5	0.3	203
3+00W	3+25S	3174	5	41	1440	36	2.5	1.3	1530
3+00W	3+50S	3174	3	<2	240	35	0.6	0.4	250
3+00W	3+75S	3174	3	<2	181	19	0.4	0.4	210
4+50W	2+75S	3174	2	3	232	26	0.7	0.5	360
6+00W	3+00S	3174	1	5	133	19	0.5	0.3	200
6+00W	3+25S	3174	3	6	144	25	0.4	0.4	650
6+00W	3+50S	3174	2	52	226	29	1.1	2.0	780
6+00W	3+75S	3174	1	38	300	49	0.9	0.8	980
6+00W	3+75S*	3174	2	38	300	50	1.0	0.8	950
6+00W	4+00S	3174	1	27	167	27	<0.2	0.2	370

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM Mount McClenna.. soil grid, Noble Claims, 82m12w DATE: 84-0

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	CD	AG	MN
6+75W	3+25N	3174	2	80	320	223	<0.2	1.0	200
6+75W	3+50N	3174	4	40	105	18	<0.2	0.7	240
6+75W	3+75N	3174	4	390	98	25	<0.2	0.7	220
6+75W	4+00N	3174	2	83	101	22	<0.2	<0.2	1380
8+25W	0+75N	3174	2	3	73	13	<0.2	<0.2	183
8+25W	1+00N	3174	1	38	156	21	<0.2	<0.2	230
8+25W	1+25N	3174	2	41	380	115	0.3	0.6	610
8+25W	1+50N	3174	<1	3	120	11	<0.2	0.3	193
8+25W	1+75N	3174	2	25	480	49	<0.2	1.3	230
8+25W	2+00N	3174	3	3	370	130	0.2	0.8	250
8+25W	2+25N	3174	4	120	189	35	0.3	0.3	760
8+25W	2+50N	3174	2	41	210	53	0.3	0.4	370
8+25W	2+75N	3174	2	37	82	16	<0.2	<0.2	370
8+25W	3+00N	3174	1	36	95	13	<0.2	0.3	200
8+25W	3+25N	3174	<1	11	78	8	<0.2	0.3	280
8+25W	3+50N	3174	1	12	92	13	<0.2	0.3	290
8+25W	3+50N*	3174	1	12	94	14	<0.2	0.3	300
9+00W	0+75N	3174	1	4	174	8	<0.2	<0.2	250
9+00W	1+00N	3174	8	31	265	44	<0.2	<0.2	750
9+00W	1+25N	3174	2	6	128	113	<0.2	0.4	200
9+00W	1+50N	3174	1	5	114	570	<0.2	5.0	136
9+00W	2+00N	3174	2	4	212	36	0.2	0.5	132
9+00W	2+25N	3174	21	115	490	930	1.5	6.0	450
9+00W	2+50N	3174	<1	3	102	21	<0.2	<0.2	175
9+00W	2+75N	3174	<1	26	156	29	0.3	<0.2	187
9+00W	3+00N	3174	<1	51	85	16	0.7	<0.2	420
9+00W	3+25N	3174	1	79	118	18	1.0	0.7	660
9+00W	3+50N	3174	1	44	107	18	1.3	0.6	530
9+00W	3+75N	3174	2	41	275	20	3.8	0.4	710
9+00W	4+00N	3174	3	49	1130	20	2.2	0.6	450
9+00W	4+25N	3174	2	54	1790	75	2.2	0.8	870
9+00W	4+50N	3174	2	42	176	31	0.4	0.6	200
9+00W	4+75N	3174	2	45	66	19	<0.2	<0.2	200
9+00W	5+00N	3174	2	2	88	18	0.2	<0.2	220
9+00W	5+25N	3174	2	5	75	16	0.4	<0.2	590
9+00W	5+25N*	3174	2	6	76	15	<0.2	<0.2	560
10+50W	1+50N	3174	3	85	147	17	<0.2	<0.2	410
10+50W	1+75N	3174	2	19	95	16	<0.2	0.3	143
10+50W	2+50N	3174	2	18	98	19	<0.2	<0.2	141
10+50W	2+75N	3174	1	11	200	36	<0.2	0.3	153
10+50W	3+00N	3174	2	26	169	16	<0.2	0.5	212
13+50W	0+75S	3174	2	26	162	25	<0.2	0.6	320
13+50W	1+00S	3174	2	23	166	34	<0.2	0.2	208
13+50W	1+25S	3174	1	16	141	16	<0.2	0.5	350
13+50W	1+50S	3174	3	8	154	14	<0.2	0.2	208
15+00W	1+25S	3174	1	22	400	23	0.3	0.3	250
15+00W	1+00S	3174	2	16	175	20	0.3	0.3	220
15+00W	0+75S	3174	3	15	99	15	<0.2	0.6	94
15+00W	0+50S	3174	2	15	94	18	<0.2	0.4	183
15+00W	0+25S	3174	2	7	61	12	0.2	0.4	56
15+00W	2+25N	3174	1	20	140	21	0.2	0.2	210
15+00W	2+50N	3174	2	29	177	24	0.2	0.5	300
15+00W	2+75N	3174	1	22	100	21	<0.2	<0.2	360
15+00W	3+00N	3174	2	25	168	33	0.2	0.3	200
15+00W	3+00N*	3174	1	25	166	31	0.2	0.3	220
15+00W	3+25N	3174	<1	21	208	113	<0.2	0.3	330
15+00W	3+50N	3174	1	20	133	28	<0.2	0.5	205
15+00W	3+75N	3174	5	18	103	30	<0.2	<0.2	240
15+00W	4+00N	3174	2	18	80	18	<0.2	0.3	170
[illegible]	[illegible]	[illegible]	<1	30	200	13	0.5	0.7	210

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM Mount McClennan soil grid, Noble Claims, 82m12w DATE: 84-0

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	CD	AG	MN
15+00W	5+75N	3174	2	8	75	6	<0.2	0.3	102
15+00W	6+00N	3174	<1	36	162	15	0.7	0.5	580
15+00W	6+25N	3174	1	25	180	21	1.2	0.4	560
15+00W	6+50N	3174	2	44	102	15	1.2	0.6	630
15+00W	6+50N*	3174	2	44	103	14	1.2	0.6	600
16+50W	1+00S	3174	2	23	106	15	0.2	0.6	194
16+50W	0+75S	3174	2	19	177	20	0.2	0.6	350
16+50W	0+50S	3174	1	46	0.29%	29	2.1	3.1	430
16+50W	0+25S	3174	2	29	120	19	<0.2	0.5	179
16+50W	0+00	3174	4	28	118	18	0.2	0.4	170
16+50W	4+00N	3174	1	26	154	18	0.3	0.3	320
16+50W	4+25N	3174	3	14	213	40	0.4	0.3	213
16+50W	4+50N	3174	1	29	130	46	<0.2	0.6	240
16+50W	4+75N	3174	3	43	230	78	<0.2	0.8	290
16+50W	5+00N	3174	3	8	57	35	<0.2	0.3	96
21+00W	1+00N	3174	1	8	87	14	<0.2	0.2	104
21+00W	1+25N	3174	3	17	400	15	0.7	1.2	174
21+00W	1+50N	3174	5	102	1430	49	2.7	1.3	300
21+00W	1+75N	3174	3	17	550	23	1.0	0.9	186
21+00W	2+00N	3174	2	12	149	18	<0.2	0.2	156
21+00W	2+25N	3174	2	13	125	38	<0.2	0.5	138
21+00W	2+50N	3174	1	10	120	114	0.4	1.3	77
21+00W	2+75N	3174	1	25	68	27	<0.2	<0.2	210
21+00W	2+75N*	3174	2	25	70	27	<0.2	<0.2	210
21+00W	3+00N	3174	<1	14	162	22	0.2	0.2	290
21+00W	4+50N	3174	2	23	90	29	<0.2	0.3	216
21+00W	4+75N	3174	4	25	188	33	<0.2	0.2	300
21+00W	5+00N	3174	2	21	95	24	<0.2	0.4	210
21+00W	5+25N	3174	2	18	100	31	<0.2	0.8	220
21+00W	5+50N	3174	2	22	166	37	<0.2	0.3	280
21+00W	5+75N	3174	2	41	330	60	0.4	1.1	420
21+75W	1+00N	3174	3	19	67	16	<0.2	<0.2	205
21+75W	1+25N	3174	3	11	73	15	<0.2	0.3	150
21+75W	1+50N	3174	1	10	50	14	<0.2	<0.2	111
21+75W	1+75N	3174	1	14	88	16	<0.2	<0.2	195
21+75W	2+00N	3174	1	25	136	25	0.2	<0.2	184
21+75W	2+25N	3174	1	15	420	26	0.7	0.2	240
21+75W	2+50N	3174	1	52	650	300	0.4	0.7	191
21+75W	2+75N	3174	2	8	92	28	<0.2	<0.2	171
21+75W	3+00N	3174	2	10	77	23	<0.2	0.2	136
21+75W	3+25N	3174	3	19	130	23	<0.2	0.3	197
21+75W	3+50N	3174	2	19	82	45	<0.2	0.2	185
22+50W	1+50N	3174	1	9	77	14	<0.2	0.3	101
22+50W	1+75N	3174	2	17	97	27	<0.2	0.3	168
22+50W	2+00N	3174	2	17	140	16	0.2	0.2	188
22+50W	2+25N	3174	1	6	50	13	<0.2	0.4	141
22+50W	2+50N	3174	2	27	88	26	<0.2	0.5	215
22+50W	2+75N	3174	1	8	73	16	<0.2	0.4	99
22+50W	3+00N	3174	1	16	380	64	0.4	0.4	191
22+50W	3+25N	3174	1	20	87	20	<0.2	0.2	290
22+50W	3+50N	3174	2	14	83	18	<0.2	0.3	210
22+50W	3+50N*	3174	2	14	83	18	<0.2	0.2	210
22+50W	7+25N	3174	4	22	236	84	0.5	0.6	200
22+50W	7+50N	3174	1	22	156	35	0.2	0.6	320
22+50W	7+75N	3174	1	22	175	26	<0.2	0.5	250
22+50W	8+00N	3174	1	32	274	48	0.5	0.9	440
22+50W	8+50N	3174	3	40	660	21	1.7	0.8	330
22+50W	8+75N	3174	<1	24	265	16	1.2	<0.2	370
22+50W	9+00N	3174	1	50	630	22	1.0	1.1	210
[illegible]	[illegible]	3174	2	10	136	54	<0.2	0.6	200

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM Mount McClennan soil grid, Noble Claims, 82m12w DATE: 84-0

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	CD	AG	MN
22+50W	9+50N	3174	1	19	113	21	<0.2	0.3	200
22+50W	9+75N	3174	1	16	62	21	<0.2	0.2	250
22+50W	10+00N	3174	<1	9	84	13	<0.2	0.2	141
22+50W	10+25N	3174	<1	8	89	13	0.4	<0.2	129
22+50W	10+50N	3174	2	16	95	13	0.2	<0.2	204
22+50W	10+75N	3174	1	27	75	15	<0.2	<0.2	240
22+50W	11+00N	3174	1	22	72	15	<0.2	<0.2	230
22+50W	11+25N	3174	1	49	94	16	0.3	0.6	620
22+50W	11+50N	3174	1	45	127	20	<0.2	0.4	420
22+50W	11+75N	3174	1	20	75	14	<0.2	<0.2	330
22+50W	12+00N	3174	<1	11	97	13	<0.2	0.3	119
22+50W	12+00N*	3174	<1	11	97	13	<0.2	0.3	117
22+50W	12+25N	3174	3	18	165	12	2.4	<0.2	380
22+50W	12+50N	3174	5	26	198	25	0.8	0.4	88
28+25W	10+90N	3174	<1	23	214	230	0.2	0.3	207
28+25W	11+15N	3174	1	55	212	89	0.3	0.6	460
28+25W	11+40N	3174	<1	31	540	70	0.4	0.7	125
28+25W	11+65N	3174	1	18	365	130	<0.2	0.9	260
28+25W	11+90N	3174	<1	19	189	23	<0.2	0.5	200
28+25W	12+15N	3174	1	21	160	30	<0.2	0.5	210
28+25W	12+40N	3174	2	14	213	33	0.2	0.5	430
28+25W	12+65N	3174	2	17	130	19	<0.2	0.3	240
28+25W	12+90N	3174	1	16	89	25	<0.2	<0.2	250
28+25W	13+15N	3174	1	16	73	17	<0.2	<0.2	330
28+25W	13+40N	3174	2	41	110	22	0.4	0.8	510
28+25W	13+65N	3174	1	32	95	18	0.3	0.8	470
28+50W	9+50N	3174	2	28	305	69	0.2	0.7	310
28+50W	9+75N	3174	2	24	190	70	<0.2	0.4	430
28+50W	10+00N	3174	2	27	250	62	<0.2	0.6	280
28+50W	10+25N	3174	1	20	170	70	0.2	0.4	181
28+50W	10+50N	3174	3	8	186	39	0.2	0.4	210
28+50W	10+75N	3174	<1	<2	310	41	0.7	0.5	94
28+50W	10+75N*	3174	<1	<2	320	40	0.8	0.6	95
test	STD G	3174	13	95	74	110	0.5	1.0	127
test	STD G	3174	15	92	80	109	0.6	0.8	135
test	STD G	3174	14	92	77	112	0.6	1.0	135
test	STD G	3174	15	95	76		0.6	1.0	135
test	STD G	3174	16	92	77		0.5	1.0	133
test	STD G	3174	13		74	109	0.5	0.9	135
test	STD G	3174	14	97	74	1108	0.5	1.0	
test	STD G	3174	14	95	74	112	0.5	1.0	135
test	STD G	3174	13	85	72	110	0.5	0.8	132
test	STD G	3174	15	84	74	112	0.5	0.9	132
test	STD G	3174	14	83	72	110	0.5	0.9	132

END OF LISTING - 344 RECORDS PRINTED
GCLIST RUN AT: 14:26:33

PLACER DEVELOPMENT LTD (RESEARCH CENTRE)

GEOCHEMICAL DATA LISTING: Soil Samples, McCorvie Grid, Noble Claims, 82m12w DATE: 84-03-26

PDL lab data file: P3071-1
AREA: REXSPAR
MAPSHEET NO: 82M-12W
VENTURE: 188
GEOLOGIST: R. PINSENT
LAB PROJECT NO: 3071

REMARKS: PLEASE DISTRIBUTE RESULTS TO: R. PINSENT I. THOMSON S. TENNANT
R. SHKLANKA B. HODGSON

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
SAMPLE NUMBERS FOLLOWED BY * ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK	USED	TIME	RANGE	METHOD
MO	PPM	0.5	C	HCLO4/HNO3	4HRS	1-100C	ATOMIC ABSORPTION
CU	PPM	0.5	C	HCLO4/HNO3	4HRS	2-400C	ATOMIC ABSORPTION
ZN	PPM	0.5	C	HCLO4/HNO3	4HRS	2-300C	ATOMIC ABSORPTION
PB	PPM	0.5	C	HCLO4/HNO3	4HRS	2-300C	A.A. BACKGROUND COR.
CD	PPM	0.5	C	HCLO4/HNO3	4HRS	0.2-2C0	A.A. BACKGROUND COR.
NI	PPM	0.5	C	HCLO4/HNO3	4HRS	2-200C	ATOMIC ABSORPTION
CO	PPM	0.5	C	HCLO4/HNO3	4HRS	2-200C	ATOMIC ABSORPTION
AG1	PPM	0.5	C	HCLO4/HNO3	4HRS	0.2-2C	A.A. BACKGROUND COR
AG2	PPM	0.5	C	HNO3	2HRS	0.02-4.CC	A.A. SOLVENT EXTRACT
AU	PPM	10.0	AQUA	REGIA	3HRS	0.02-4.CC	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL	HNO3	2HRS	1.0-100C	FLOURIMETRY SOLV. EX.
V	PPM	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	1.0	C	HF/HNO3/HCL/H2SO4	4HRS	5-50C	A.A. SOLVENT EXTRACT.
F	PPM	0.25	NA2CO3/KNO3	FUSION	30MIN	40-40CO	SPECIFIC ION ELECTODE
AS	PPM	0.5	C	HCLO4/HNO3	4HRS	2-100C	A.A. BACKGROUND COR.
SB	PPM	0.5	C	HCLO4/HNO3	4HRS	2-100C	A.A. BACKGROUND COR.
BI	PPM	0.5	C	HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
MN	PPM	0.5	C	HCLO4/HNO3	4HRS	2-300C	ATOMIC ABSORPTION
FE	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
HG	PPB	0.5	DIL	HNO3	2HRS	5-200CPPB	A.A. COLD VAPOR GEN.
BA	%	0.25	C	HF/HI/OXALIC	4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
K	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
CA	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
SR	PPM	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	10-2CC0	ATOMIC ABSORPTION
MG	%	0.5	C	HF/HCLO4/HNO3/HCL	6HRS	0.2-2C%	ATOMIC ABSORPTION
SN	PPM	1.0	NH4I	FUSION	15MIN	5-500	A.A. SOLVENT EXTRACT.
LOI	%	1.0	ASH	600 DEG C	2HRS	0.02-99%	WEIGH RESDUE

PLACER DEVELOPMENT ASSAY SYSTEM: DATA FROM SOIL SAMPLES, McCORVIE GRID, NOBLE CLAIMS, OZMIEW DATE: 0

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	AG	AU	AS	HG
0+00	0+00	3071	1	17	102	27	<0.2	<0.02	<2	7
0+00	0+50E	3071	1	14	98	20	0.3	<0.02	<2	10
0+00	1+00E	3071	1	14	159	19	0.4	<0.02	<2	21
0+00	1+50E	3071	1	18	100	25	0.2	<0.02	<2	9
0+00	2+00E	3071	1	13	208	27	0.3	<0.02	<2	18
0+00	2+50E	3071	1	16	232	19	0.3	<0.02	<2	20
0+00	3+00E	3071	1	48	165	17	0.7	<0.02	<2	23
0+00	3+50E	3071	1	55	146	23	0.8	<0.02	<2	43
0+00	4+00E	3071	2	87	151	32	1.0	<0.02	<2	46
0+00	4+60E	3071	1	30	93	42	1.0	<0.02	<2	64
0+00	5+00E	3071	1	27	120	20	0.2	<0.02	<2	23
0+00	5+50E	3071	1	13	72	12	<0.2	<0.02	<2	12
2+00S	0+00	3071	<1	8	77	21	0.2	<0.02	<2	25
2+00S	0+50E	3071	1	17	115	26	0.2	<0.02	<2	25
2+00S	1+00E	3071	1	15	81	18	0.3	<0.02	<2	20
2+00S	1+50E	3071	2	8	95	17	0.3	<0.02	<2	14
2+00S	2+00E	3071	1	7	77	18	<0.2	<0.02	<2	16
2+00S	2+50E	3071	1	7	65	13	0.3	<0.02	<2	17
2+00S	3+00E	3071	1	16	62	12	0.3	<0.02	<2	56
2+00S	3+50E	3071	1	23	91	21	0.2	<0.02	<2	22
2+00S	4+00E	3071	2	21	83	14	0.2	<0.02	<2	21
2+00S	4+50E	3071	2	14	58	17	0.2	<0.02	<2	18
2+00S	5+00E	3071	<1	20	58	16	0.2	<0.02	<2	14
2+00S	5+50E	3071	<1	9	56	14	0.2	<0.02	<2	17
2+00S	6+00E	3071	1	33	109	19	0.3	<0.02	<2	18
4+00S	0+00	3071	1	37	119	29	0.6	<0.02	48	9
4+00S	0+50E	3071	<1	9	104	15	0.2	<0.02	<2	4
4+00S	0+50E*	3071	1	9	105	13	0.2	<0.02	<2	9
4+00S	1+00E	3071	1	12	64	11	0.3	<0.02	<2	8
4+00S	1+60E	3071	<1	10	88	12	0.4	0.02	<2	17
4+00S	2+00E	3071	1	11	88	12	0.2	<0.02	<2	18
4+00S	2+50E	3071	1	18	79	19	0.2	<0.02	<2	8
4+00S	3+00E	3071	1	30	30	7	0.4	<0.02	<2	30
4+00S	3+50E	3071	<1	16	126	18	0.3	<0.02	<2	20
4+00S	4+00E	3071	1	24	96	18	0.4	0.02	<2	13
4+00S	4+50E	3071	1	102	86	18	0.7	0.02	<2	22
4+00S	5+00E	3071	2	33	80	16	0.2	0.03	4	8
4+00S	5+00E*	3071	1	34	84	18	0.2	NSS	4	20
4+00S	5+50E	3071	2	55	156	34	0.7	<0.02	12	20
4+00S	6+00E	3071	1	13	95	14	<0.2	<0.02	<2	10
6+00S	0+00	3071	<1	14	117	12	<0.2	<0.02	<2	13
6+00S	0+50E	3071	1	28	115	17	<0.2	<0.02	8	9
6+00S	1+00E	3071	1	13	56	10	<0.2	<0.02	<2	7
6+00S	1+50E	3071	<1	18	118	13	0.2	<0.02	<2	8
6+00S	2+00E	3071	<1	8	107	9	0.2	<0.02	<2	14
6+00S	2+50E	3071	1	18	76	13	<0.2	<0.02	<2	18
6+00S	3+00E	3071	1	20	50	11	0.2	<0.02	<2	18
6+00S	3+50E	3071	<1	15	93	24	0.3	<0.02	<2	13
6+00S	4+00E	3071	<1	16	136	17	0.2	<0.02	<2	14
6+00S	4+50E	3071	1	18	80	14	0.3	<0.02	6	16
6+00S	5+00E	3071	1	22	97	14	0.2	<0.02	2	21
6+00S	5+50E	3071	1	18	80	11	<0.2	<0.02	6	21
8+00S	0+00	3071	1	20	90	16	<0.2	<0.02	<2	23
8+00S	0+50E	3071	2	14	84	11	<0.2	<0.02	<2	13
8+00S	1+00E	3071	1	6	57	6	<0.2	<0.02	<2	23
8+00S	1+50E	3071	1	10	81	11	0.3	<0.02	<2	21
8+00S	2+00E	3071	2	10	128	16	0.3	<0.02	2	25
8+00S	2+50E	3071	1	29	113	23	0.2	<0.02	6	30
8+00S	3+00E	3071	1	18	111	17	<0.2	<0.02	10	26
8+00S	3+50E	3071	1	24	124	16	<0.2	<0.02	<2	22

PLACER DEVELOPMENT ASSAY SYSTEM: DATA FROM SOIL SAMPLES, MCCURVIE GRID, NOBLE CLAIMS, OZMIZW DATE: 04-

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	AG	AU	AS	HG
8+00S	4+00E	3071	1	15	64	8	0.3	<0.02	4	42
8+00S	5+00E	3071	<1	9	220	12	0.2	<0.02	<2	9
10+00S	0+00	3071	1	13	97	13	0.2	<0.02	<2	13
10+00S	0+50E	3071	1	29	151	17	0.2	<0.02	2	25
10+00S	1+00E	3071	1	15	79	13	0.2	<0.02	2	12
10+00S	1+00E*	3071	1	15	80	13	<0.2	<0.02	2	10
10+00S	1+50E	3071	1	10	75	9	<0.2	<0.02	<2	9
10+00S	2+00E	3071	2	26	115	20	<0.2	<0.02	<2	12
10+00S	2+50E	3071	2	14	100	14	<0.2	<0.02	<2	21
10+00S	3+00E	3071	<1	15	122	13	<0.2	<0.02	<2	20
10+00S	3+50E	3071	<1	12	88	13	<0.2	<0.02	<2	18
10+00S	4+00E	3071	1	18	122	19	0.3	<0.02	6	23
10+00S	4+50E	3071	1	22	113	16	0.2	<0.02	4	7
10+00S	5+00E	3071	1	14	87	15	<0.2	<0.02	<2	7
10+00S	5+00E*	3071	1	13	86	13	<0.2	<0.02	<2	9
test	STD G	3071	14	95	73	110	0.8		70	
test	STD G	3071	13	90	74	107	0.9		70	
test	STD G	3071	13	93	75	112	1.0		74	
test	STD G	3071	14	90	78	117	1.0		68	
test	STD HG	3071								176
test	STD HG	3071								176
test	STD HG	3071								189
test	STD HG	3071								182
test	STD AU	3071						1.54		
test	STD AU	3071						1.90		
test	STD AU	3071						1.32		
test	STD AU	3071						1.55		

END OF LISTING - 87 RECORDS PRINTED
GCLIST RUN AT: 09:11:03

PLACER DEVELOPMENT LTD (RESEARCH CENTRE)

GEOCHEMICAL DATA LISTING: Soil Samples on road section, McCorvie Grid Area, DATE: 84-03-26

PDL lab data file: P3176-1
AREA: NOBLE CLAIMS
MAPSHEET NO: 82M12W
VENTURE: 188B
GEOLOGIST: R. PINSENT
LAB PROJECT NO: 3176

REMARKS: PLEASE DISTRIBUTE RESULTS TO: R. PINSENT S. TENNANT B. HODGSON
I. THOMSON R. SHKLANKA

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
SAMPLE NUMBERS FOLLOWED BY * ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK USED	TIME	RANGE	METHOD
MO	PPM	0.5	C HCLO4/HNO3	4HRS	1-1000	ATOMIC ABSORPTION
CU	PPM	0.5	C HCLO4/HNO3	4HRS	2-4000	ATOMIC ABSORPTION
ZN	PPM	0.5	C HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
PB	PPM	0.5	C HCLO4/HNO3	4HRS	2-3000	A.A. BACKGROUND COR.
CD	PPM	0.5	C HCLO4/HNO3	4HRS	0.2-200	A.A. BACKGROUND COR.
NI	PPM	0.5	C HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
CO	PPM	0.5	C HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
AG1	PPM	0.5	C HCLO4/HNO3	4HRS	0.2-20	A.A. BACKGROUND COR
AG2	PPM	0.5	C HNO3	2HRS	0.02-4.00	A.A. SOLVENT EXTRACT
AU	PPM	10.0	AQUA REGIA	3HRS	0.02-4.00	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL HNO3	2HRS	1.0-1000	FLOURIMETRY SOLV. EX.
V	PPM	0.5	C HF/HCLO4/HNO3/HCL	6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	1.0	C HF/HNO3/HCL/H2SO4	4HRS	5-500	A.A. SOLVENT EXTRACT.
F	PPM	0.25	NA2CO3/KNO3 FUSION	30MIN	40-4000	SPECIFIC ION ELECTODE
AS	PPM	0.5	C HCLO4/HNO3	4HRS	2-1000	A.A. BACKGROUND COR.
SB	PPM	0.5	C HCLO4/HNO3	4HRS	2-1000	A.A. BACKGROUND COR.
BI	PPM	0.5	C HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
MN	PPM	0.5	C HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
FE	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
HG	PPB	0.5	DIL HNO3	2HRS	5-2000PPB	A.A. COLD VAPOR GEN.
BA	%	0.25	C HF/HI/OXALIC	4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
K	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
CA	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
SR	PPM	0.5	C HF/HCLO4/HNO3/HCL	6HRS	10-2000	ATOMIC ABSORPTION
MG	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.2-20%	ATOMIC ABSORPTION
SN	PPM	1.0	NH4I FUSION	15MIN	5-500	A.A. SOLVENT EXTRACT.
LOI	%	1.0	ASH 600 DEG C	2HRS	0.02-99%	WEIGH RESDUE

PLACER DEVELOPMENT ASSAY SYSTEM: DATA FROM SOIL SAMPLES ON ROAD SECTION, McCURVIE GRID AREA, NOOTE CLAIMS: 84-1

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	AG	AU	AS	MN	HG
82M12W	MC2C0	3176	<1	20	66	8	<0.2	<0.02	<2	202	9
82M12W	MC2C1	3176	<1	13	64	12	<0.2	<0.02	<2	173	9
82M12W	MC2C2	3176	1	14	64	12	<0.2	<0.02	<2	212	13
82M12W	MC2C3	3176	1	6	65	10	<0.2	<0.02	<2	216	14
82M12W	MC2C4	3176	<1	23	62	13	<0.2	<0.02	<2	240	18
82M12W	MC2C5	3176	<1	6	54	11	<0.2	<0.02	<2	490	12
82M12W	MC2C6	3176	1	34	117	21	<0.2	<0.02	<2	310	19
82M12W	MC2C7	3176	<1	11	110	15	<0.2	<0.02	<2	220	15
82M12W	MC2C8	3176	<1	46	76	22	0.2	<0.02	2	320	22
82M12W	MC2C9	3176	1	9	98	13	<0.2	<0.02	<2	370	17
82M12W	MC210	3176	<1	10	96	19	<0.2	<0.02	<2	330	12
82M12W	MC211	3176	<1	14	68	16	<0.2	<0.02	<2	240	15
82M12W	MC212	3176	<1	9	210	23	0.3	<0.02	<2	250	23
82M12W	MC213	3176	1	43	96	55	<0.2	<0.02	<2	200	13
82M12W	MC214	3176	<1	14	110	18	<0.2	<0.02	<2	290	19
82M12W	MC215	3176	<1	10	70	10	<0.2	<0.02	<2	220	12
82M12W	MC216	3176	<1	14	59	11	<0.2	<0.02	<2	183	19
82M12W	MC217	3176	<1	18	141	10	<0.2	<0.02	<2	300	19
test	STD G	3176	15	88	76	105	0.8		74	135	
test	STD G	3176	14	98	75	110	0.8		66	135	
test	STD AL	3176						1.60			
test	STD AU	3176						1.63			
test	STD HG	3176									157
test	STD HG	3176									159

END OF LISTING - 24 RECORDS PRINTED
GCLIST RUN AT: 09:13:47

PLACER DEVELOPMENT LTD (RESEARCH CENTRE)

GEOCHEMICAL DATA LISTING: Bulk Samples, Peavine Creek, Noble 5 Claim 82m12w DATE: 84-03-26

PDL lab data file: P3178-1
AREA: NOBLE CLAIMS
MAPSHEET NO: 82M12W
VENTURE: 188B
GEOLOGIST: R. PINSENT
LAB PROJECT NO: 3178

REMARKS: PLEASE DISTRIBUTE RESULTS TO: R. PINSENT S. TENNANT B. HODGSON
I. THOMSON R. SHKLANKA

STANDARD ANALYSIS METHODS USED BY PDL GEOCHEM LAB ARE LISTED BELOW:
ALL RESULTS EXPRESSED AS INDICATED IN UNITS COLUMN BELOW
ANY EXCEPTIONS FOR THIS PROJECT ARE NOTED ABOVE

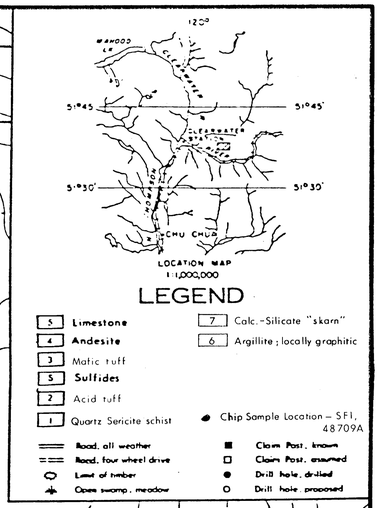
REMARKS: INTERNAL LAB STANDARDS HAVE BEEN INCLUDED FOR REFERENCE.
SAMPLE NUMBERS FOLLOWED BY • ARE DUPLICATE ANALYSES.

	UNITS	WT.G	ATTACK USED	TIME	RANGE	METHOD
MO	PPM	0.5	C HCLO4/HNO3	4HRS	1-1000	ATOMIC ABSORPTION
CU	PPM	0.5	C HCLO4/HNO3	4HRS	2-4000	ATOMIC ABSORPTION
ZN	PPM	0.5	C HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
PB	PPM	0.5	C HCLO4/HNO3	4HRS	2-3000	A.A. BACKGROUND COR.
CD	PPM	0.5	C HCLO4/HNO3	4HRS	0.2-200	A.A. BACKGROUND COR.
NI	PPM	0.5	C HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
CO	PPM	0.5	C HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
AG1	PPM	0.5	C HCLO4/HNO3	4HRS	0.2-20	A.A. BACKGROUND COR
AG2	PPM	0.5	C HNO3	2HRS	0.02-4.00	A.A. SOLVENT EXTRACT
AU	PPM	10.0	AQUA REGIA	3HRS	0.02-4.00	A.A. SOLVENT EXTRACT.
U	PPM	0.25	DIL HNO3	2HRS	1.0-1000	FLOURIMETRY SOLV. EX.
V	PPM	0.5	C HF/HCLO4/HNO3/HCL	6HRS	5-1000	ATOMIC ABSORPTION
W	PPM	1.0	C HF/HNO3/HCL/H2SO4	4HRS	5-500	A.A. SOLVENT EXTRACT.
F	PPM	0.25	NA2CO3/KNO3 FUSION	30MIN	40-4000	SPECIFIC ION ELECTODE
AS	PPM	0.5	C HCLO4/HNO3	4HRS	2-1000	A.A. BACKGROUND COR.
SB	PPM	0.5	C HCLO4/HNO3	4HRS	2-1000	A.A. BACKGROUND COR.
BI	PPM	0.5	C HCLO4/HNO3	4HRS	2-2000	ATOMIC ABSORPTION
MN	PPM	0.5	C HCLO4/HNO3	4HRS	2-3000	ATOMIC ABSORPTION
FE	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
HG	PPB	0.5	DIL HNO3	2HRS	5-2000PPB	A.A. COLD VAPOR GEN.
BA	%	0.25	C HF/HI/OXALIC	4HRS	0.02-20%	ATOMIC ABSORPTION
NA	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
K	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.2 -20%	ATOMIC ABSORPTION
CA	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.02-20%	ATOMIC ABSORPTION
SR	PPM	0.5	C HF/HCLO4/HNO3/HCL	6HRS	10-2000	ATOMIC ABSORPTION
MG	%	0.5	C HF/HCLO4/HNO3/HCL	6HRS	0.2-20%	ATOMIC ABSORPTION
SN	PPM	1.0	NH4I FUSION	15MIN	5-500	A.A. SOLVENT EXTRACT.
LOI	%	1.0	ASH 600 DEG C	2HRS	0.02-99%	WEIGH RESDUE

PLACER GEOCHEM ASSAY SYSTEM: DATA FROM Bulk Samples, Peavine Creek, Noble 5 Claim 82m12w DATE: 84-(

GRID	SAMPLE	PROJECT	MO	CU	ZN	PB	AG	AU	AS	HG	SB
82M12W	PV27CC	3178	1	58	166	65	0.2	0.07	200	38	<2
82M12W	PV27CC*	3178						0.13			
82M12W	PV27CC*	3178						0.22			
82M12W	PV29CC	3178	2	54	130	57	<0.2	<0.02	160	95	<2
82M12W	PV29CC*	3178						0.09			
82M12W	PV29CC*	3178						0.32			
82M12W	PV31CC	3178	2	55	129	72	<0.2	<0.02	180	68	<2
82M12W	PV31CC*	3178						0.03			
82M12W	PV31CC*	3178						0.04			
82M12W	PV33CC	3178	2	57	132	60	<0.2	0.03	166	80	<2
82M12W	PV33CC*	3178						0.02			
82M12W	PV33CC*	3178						0.06			
82M12W	PV35CC	3178	2	57	140	74	<0.2	0.05	296	101	<2
82M12W	PV35CC*	3178						0.30			
82M12W	PV35CC*	3178						0.07			
82M12W	PV38CC	3178	1	36	86	22	<0.2	0.50	32	23	<2
82M12W	PV38CC*	3178						0.03			
82M12W	PV38CC*	3178						<0.02			
82M12W	PV40CC	3178	1	43	90	15	<0.2	<0.02	<2	15	<2
82M12W	PV40CC*	3178						0.02			
82M12W	PV40CC*	3178						<0.02			
82M12W	PV42CC	3178	1	24	70	16	<0.2	<0.02	<2	26	<2
82M12W	PV42CC*	3178						<0.02			<2
82M12W	PV42CC*	3178						<0.02			
82M12W	PV42CC*	3178	1	23	69	15	<0.2	<0.02	2		
test	STD G	3178	14	94	72	110	0.8		68		
test	STD AU	3178						1.43			
test	STD SB	3178									156
test	STD HG	3178								172	

END OF LISTING - 29 RECORDS PRINTED
GCLIST RUN AT: 09:07:56



LEGEND

5 Limestone	7 Calc.-Silicate "skarn"
4 Andesite	6 Argillite; locally graphitic
3 Matic tuff	
3 Sulfides	
2 Acid tuff	
1 Quartz Sericite schist	Chip Sample Location – SF1, 48709A
Road, all weather	Claim Post, known
Road, four wheel drive	Claim Post, examined
Limit of timber	Drill hole, drilled
Open swamp, meadow	Drill hole, proposed

REDTOP

Nimsic 5 578

Nimsic 3 356

SNOW

SUNRISE

Nimsic 1 3

Nimsic 4 357

Nimsic 11 877

Nimsic 2 355

NOBLE 6. 4561(6)

NOBLE 2. 4389(3)

NOBLE 1. 4388(3)

NOBLE 3. 4390(3)

NOBLE 4. 4391(3)

GEOLOGICAL BRANCH
ASSESSMENT REPORT

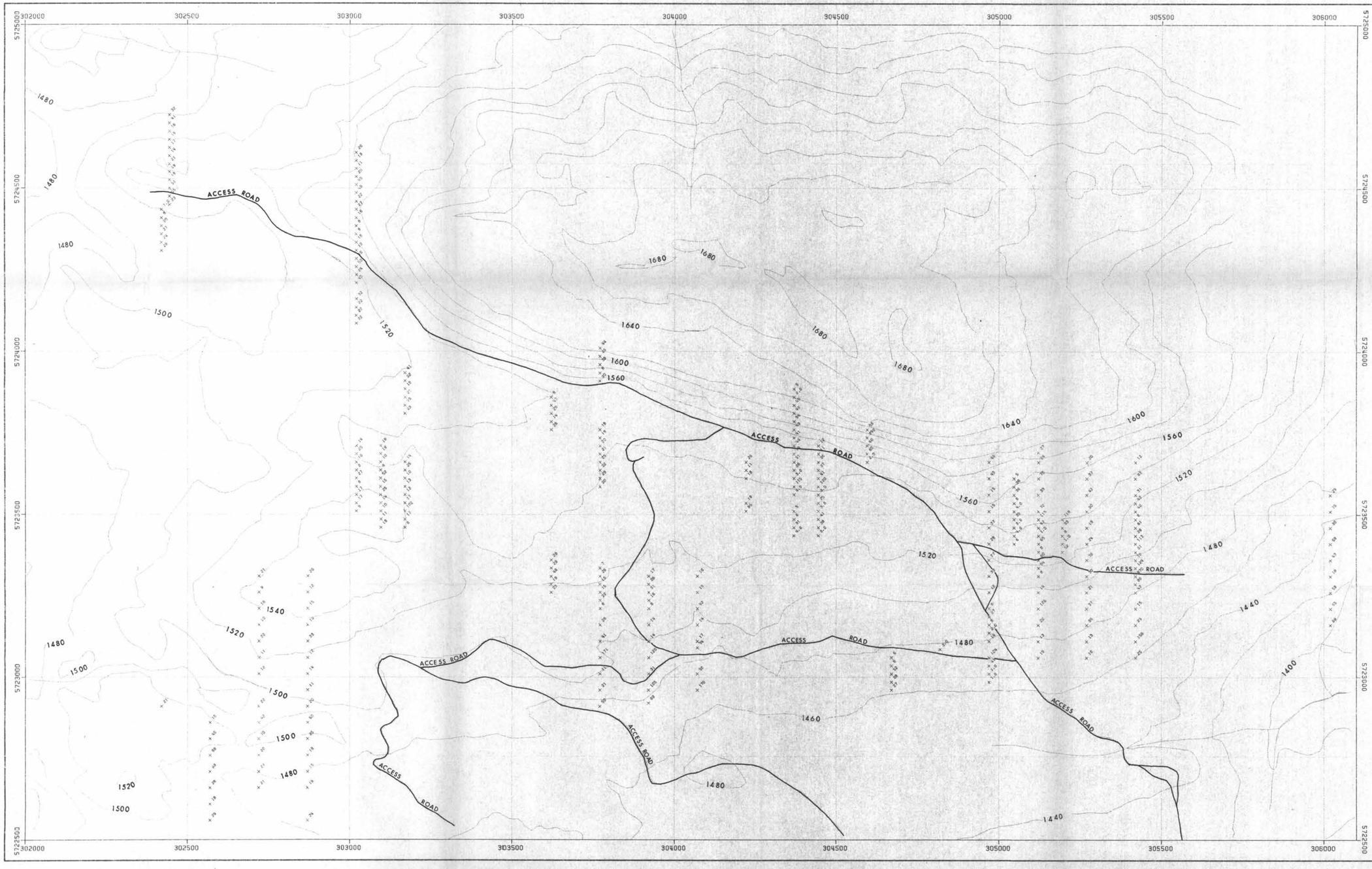
12,080

NOTE: Topography and soil grid location taken from Craigmont Mines Ltd. Assessment Report 6931.

0 50 100 200 300 400
METRES

FIGURE 4.

DRAWN: R.H.P.	SCALE: 1:5000	PLACER DEVELOPMENT LIMITED	GEOLOGY
DRAFTING: A.K.	DATE: AUG., 1983	Mount Mc Clennan 82 M/12W	FILE REF. No.:
APPROVED:	REVISED:	Noble Claims	



NOBLE CLAIMS SOIL GEOCHEM (CU)

GEOCHEMICAL DATA IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	CU	EXPL*V-188.GCH-SOI/NOBLE
LINES:		EXPL*V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

GEOLOGICAL BRANCH
ASSESSMENT REPORT

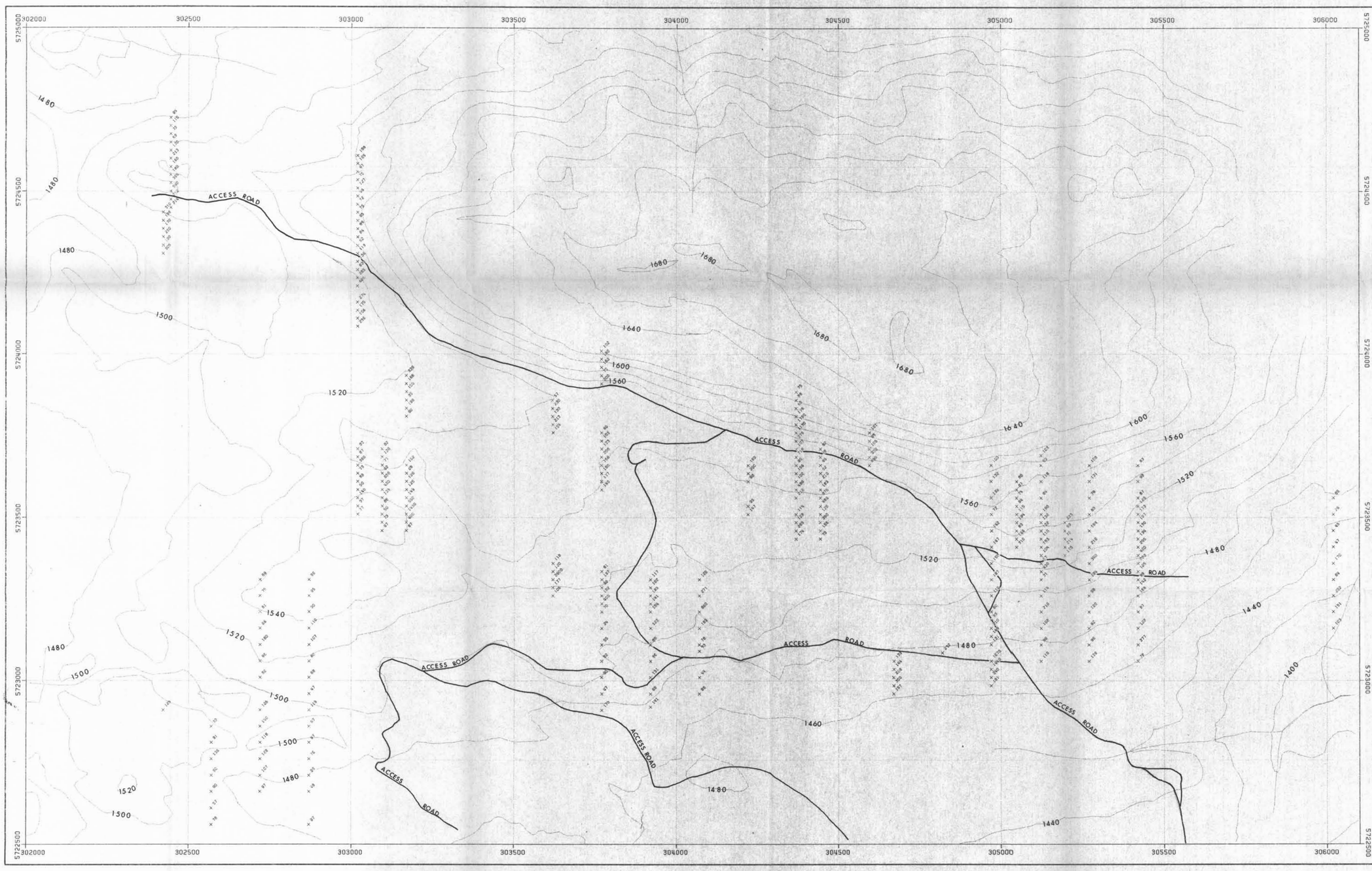
12,080

0 125 250 375 500
METRES

FIGURE 7

PLACER DEVELOPMENT LIMITED

DRAWN RP	NOBLE CLAIMS SOIL GEOCHEM (CU)
DATE 84/03/19	
SCALE 1:5000	
	NO.



NOBLE CLAIM SOIL GEOCHEM (ZN)

ANALYTICAL DATA IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	ZN	EXPL.V-188.GCH-SOI/NOBLE
LINES:		EXPL.V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

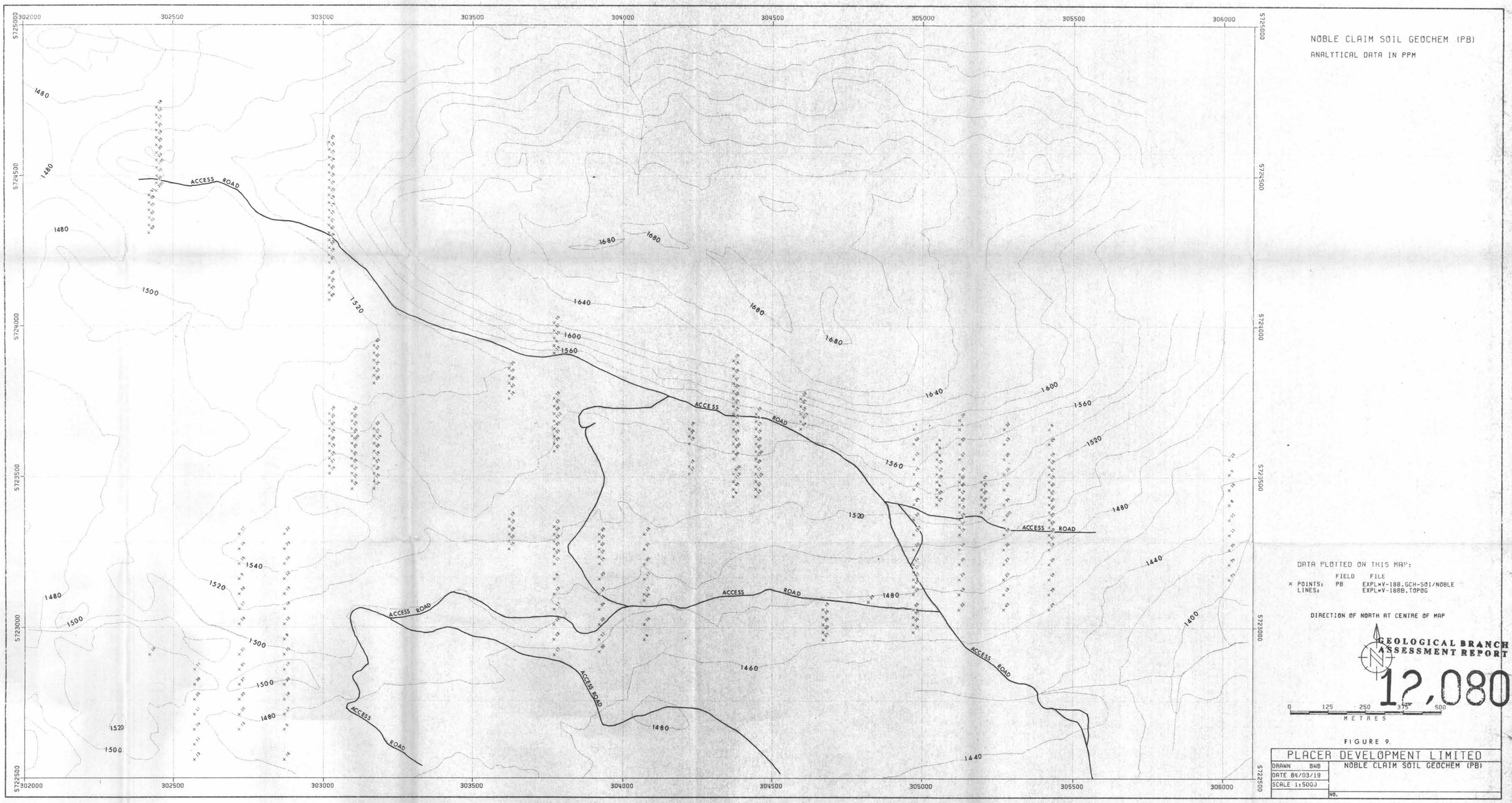
GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,080

0 125 250 375 500
METRES

FIGURE 8.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	NOBLE CLAIM SOIL GEOCHEM (ZN)
DATE 84/03/19	
SCALE 1:5000	
	NO.



NOBLE CLAIM SOIL GEOCHEM (PB)

ANALYTICAL DATA IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	PB	EXPL×V-188.GCH-SOI/NOBLE
LINES:		EXPL×V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

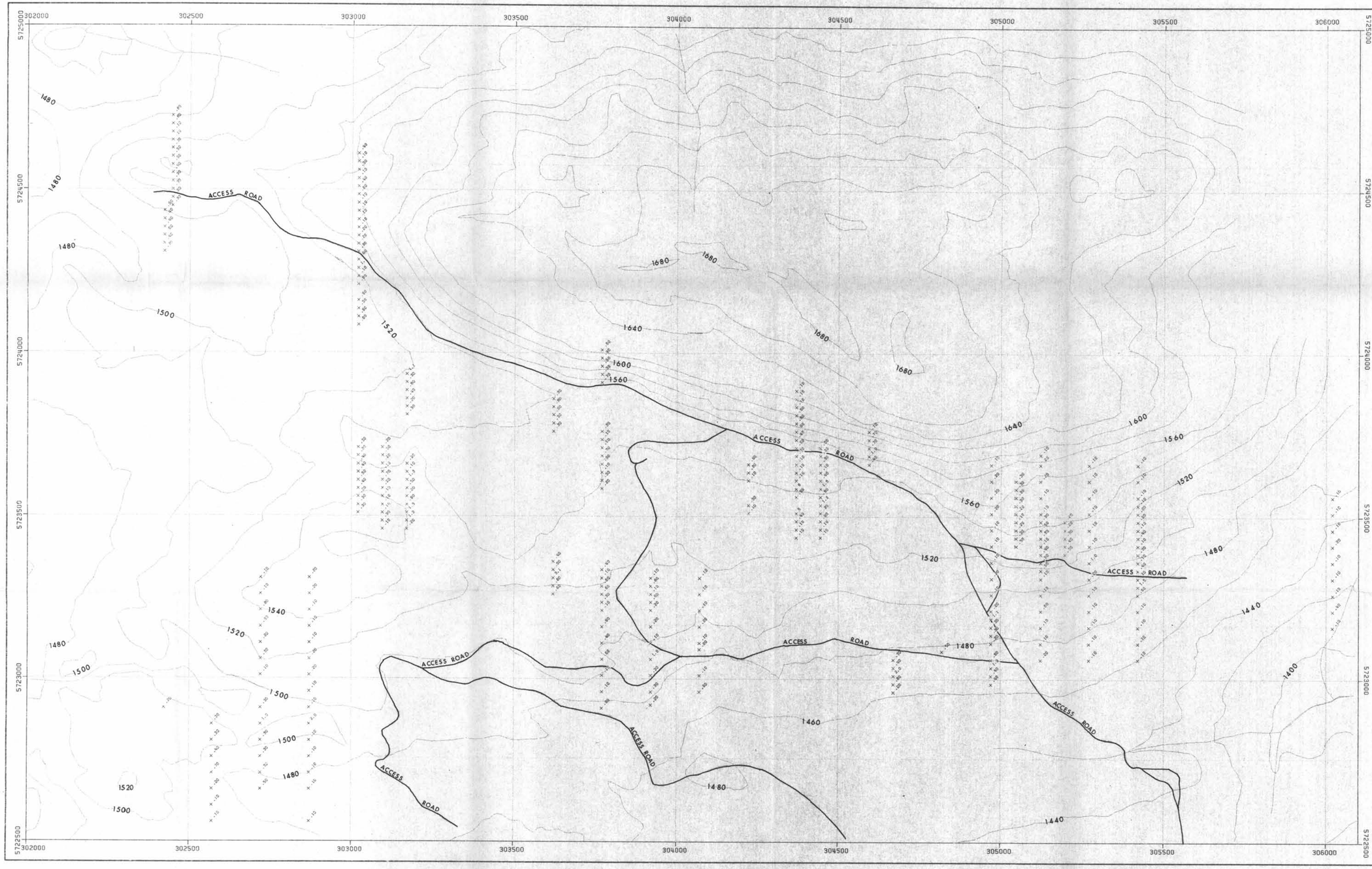
0 125 250 375 500
METRES

GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,080

FIGURE 9.

PLACER DEVELOPMENT LIMITED	
DRAWN BWB	NOBLE CLAIM SOIL GEOCHEM (PB)
DATE 84/03/19	
SCALE 1:5000	
	NO.



NOBLE CLAIM SOIL GEOCHEM (AG)

ANALYTICAL DATA IN PPM

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	AG	EXPL×V-188.GCH-SOI/NOBLE
LINES:		EXPL×V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

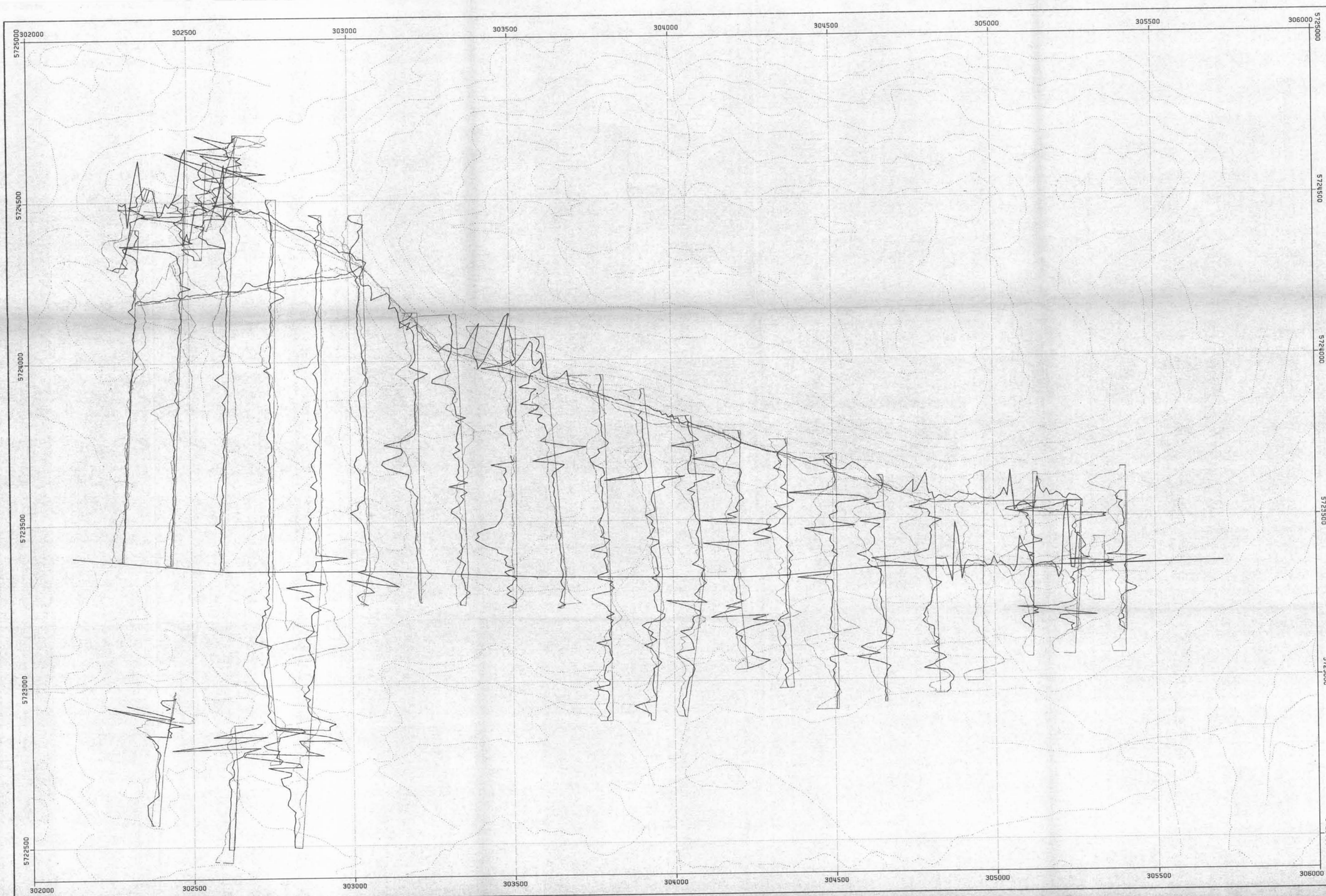
GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,080

0 - 125 250 375 500
METRES

FIGURE 10.

PLACER DEVELOPMENT LIMITED	
DRAWN RP	NOBLE CLAIM SOIL GEOCHEM (AG)
DATE 84/03/22	
SCALE 1:5000	
	NO.



NOBLE CLAIMS GROUND GEOPHYSICS

MAGNETICS:
DATA CUTOFFS - 7000,10000

DATA PLOTTED ON THIS MAP:

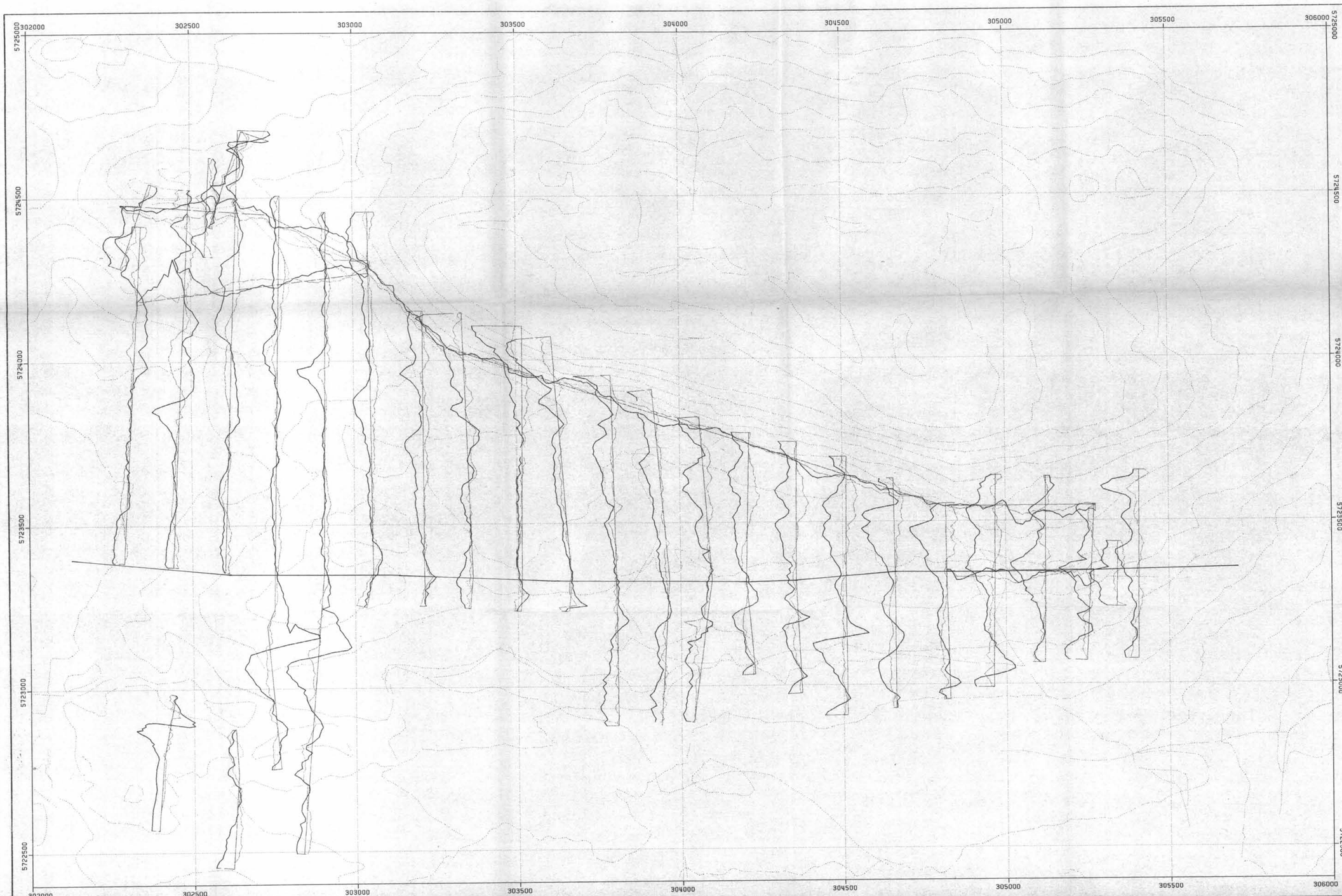
	FIELD	FILE
PROFILES: MAG		EXPL#V-188.NOBLE/MAG-UTM
SCALE:		500 UNITS / CM
BASE LEVEL:		8000
PROFILES: IP		EXPL#V-188.NOBLE/IP-UTM
SCALE:		20.0 UNITS / CM
BASE LEVEL:		0.0
LINES:		EXPL#V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 11.

PLACER DEVELOPMENT LIMITED	
DRAWN JMT	NOBLE CLAIMS GROUND GEOPHYSICS
DATE 84/03/29	
SCALE 1:5000	
	NO.



NOBLE CLAIMS GROUND GEOPHYSICS

VLF IN PHASE
QUADRATURE

DATA PLOTTED ON THIS MAP:

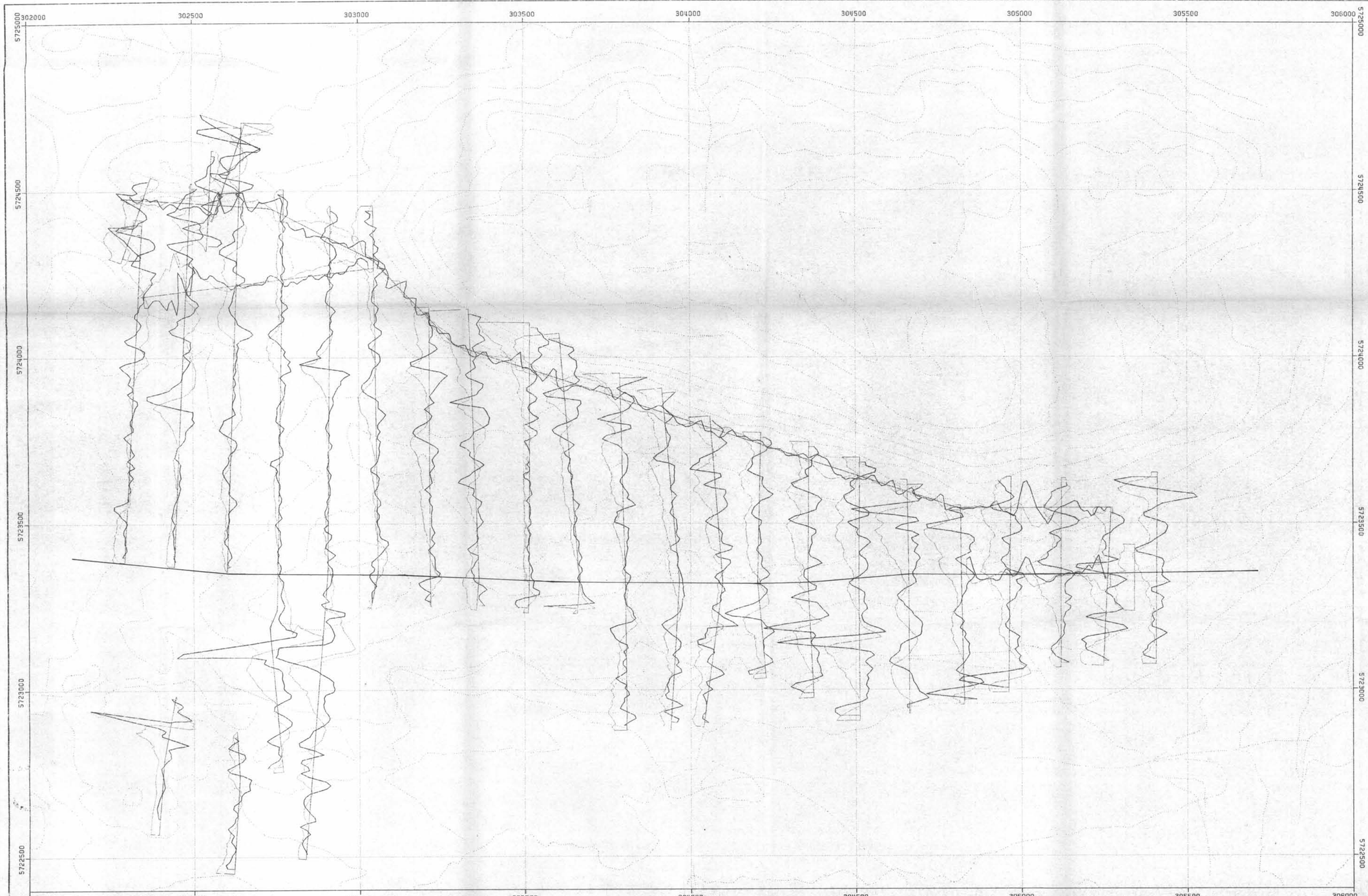
	FIELD	FILE
PROFILES: IP		EXPL=V-188.NOBLE/IP-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
PROFILES: QUAD		EXPL=V-188.NOBLE/QD-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
LINES:		EXPL=V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 12.

PLACER DEVELOPMENT LIMITED	
DRAWN BG	NOBLE CLAIMS: GROUND GEOPHYSICS
DATE 84/03/29	
SCALE 1:5000	
	NO.



NOBLE CLAIMS GROUND GEOPHYSICS

"FRASER FILTER" DATA
IN PHASE DATA

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
PROFILES: FF		EXPL»V-188.NOBLE/FF-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
PROFILES: IP		EXPL»V-188.NOBLE/IP-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
LINES:		EXPL»V-188B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

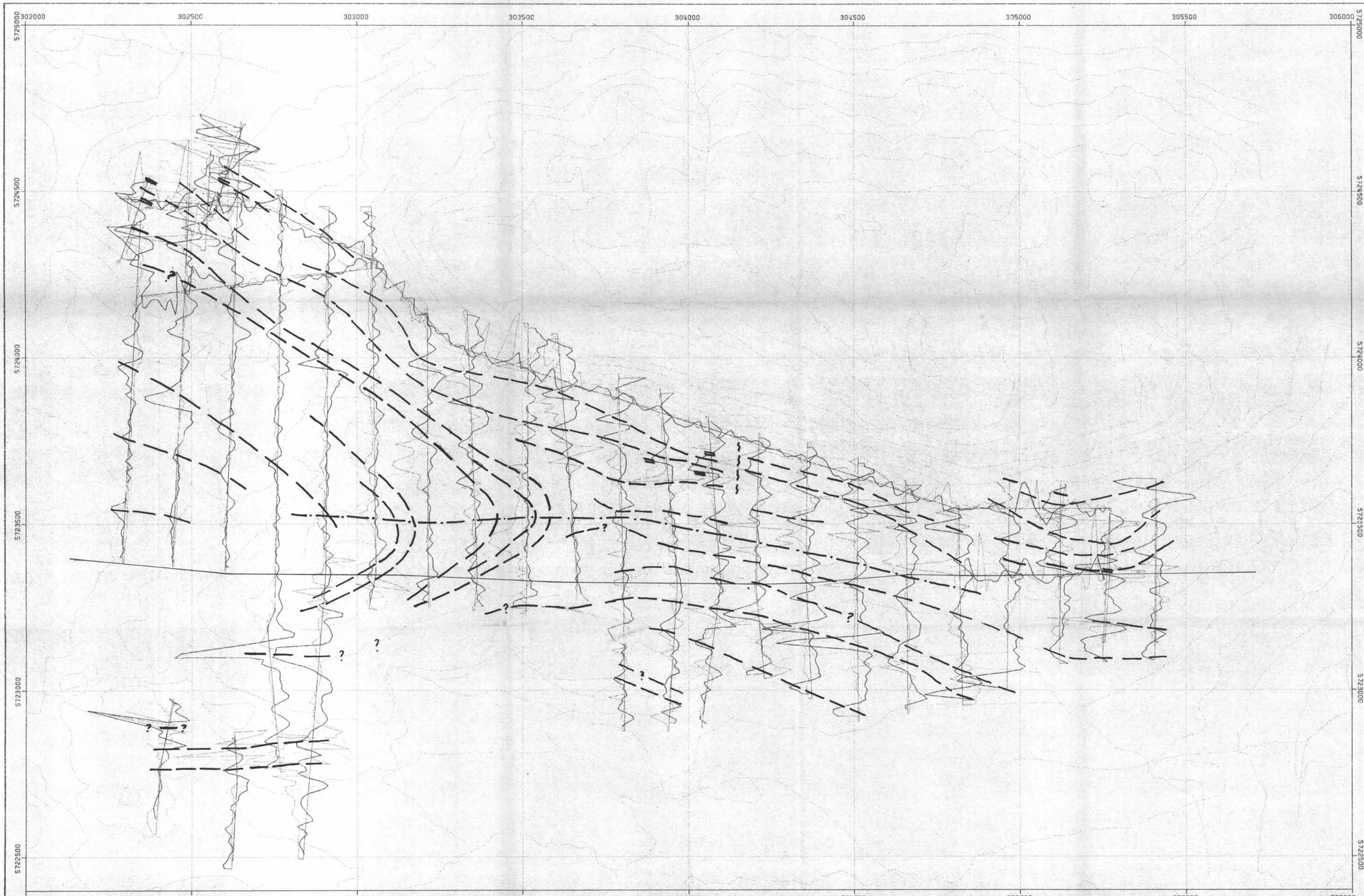
GEOLOGICAL BRANCH
ASSESSMENT REPORT

12,080

0 125 250 375 500
METRES

FIGURE 13

PLACER DEVELOPMENT LIMITED	
DRAWN JMT	NOBLE CLAIMS GROUND GEOPHYSICS
DATE 84/03/30	
SCALE 1:5000	
	NO.



NOBLE CLAIMS GROUND GEOPHYSICS

"FRASER FILTER" DATA ——
MAGNETIC DATA - - -
SHOWINGS ═
CONDUCTORS ——

DATA PLOTTED ON THIS MAP:

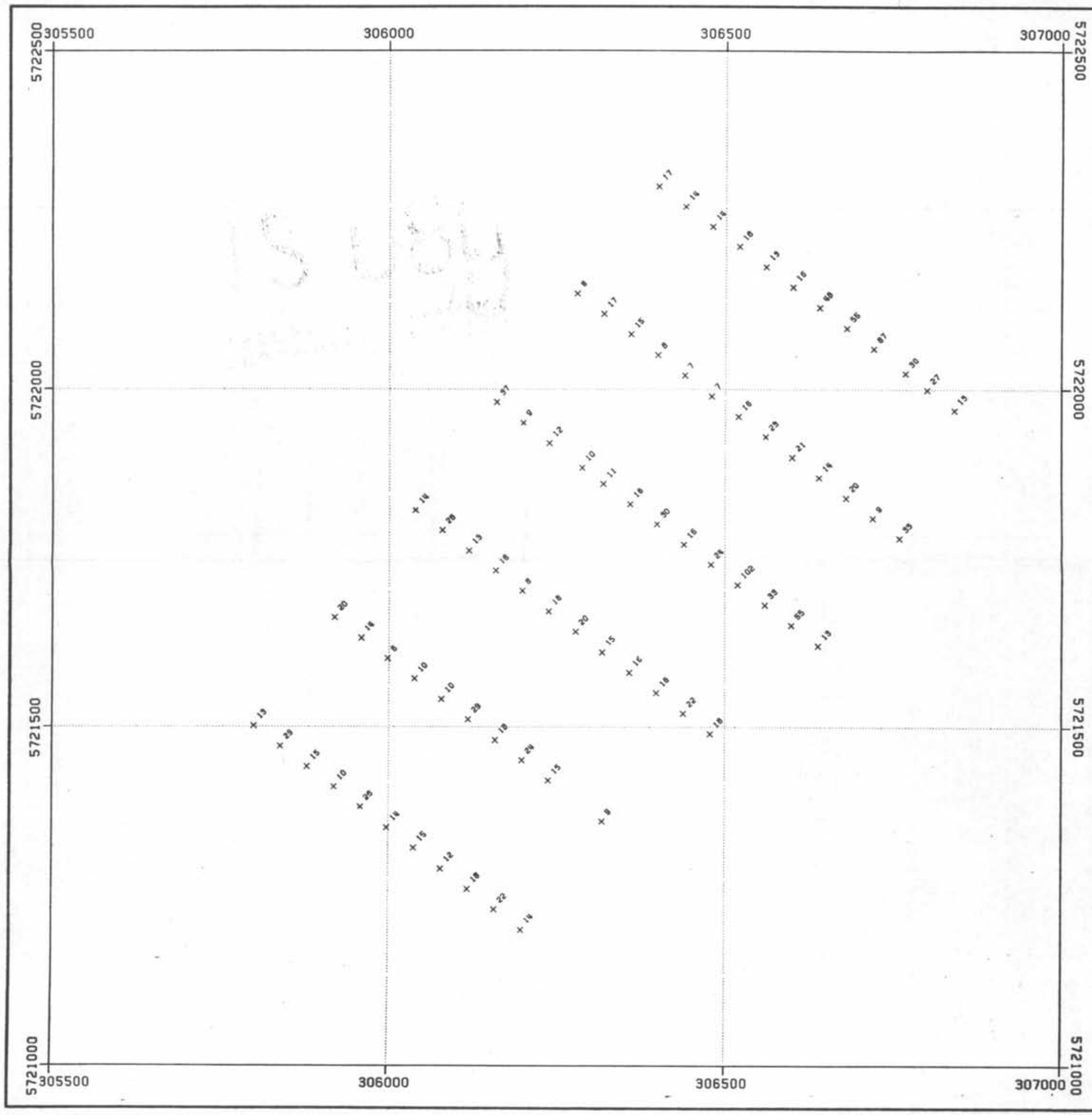
	FIELD	FILE
PROFILES: FF		EXPL#7-188.NOBLE/FF-UTM
SCALE:		20.0 UNITS / CM
BASE LEVEL:		0.0
PROFILES: MAG		EXPL#7-188.NOBLE/MAG-UTM
SCALE:		500 UNITS / CM
BASE LEVEL:		8100
LINES:		EXPL#V-186B.TOPOG

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 500
METRES

FIGURE 14.

PLACER DEVELOPMENT LIMITED	
DRAWN JMT	NOBLE CLAIMS GROUND GEOPHYSICS
DATE 84/03/30	INTERPRETED CONDUCTORS
SCALE 1:5000	
	NO.



DATA PLOTTED ON THIS MAP:

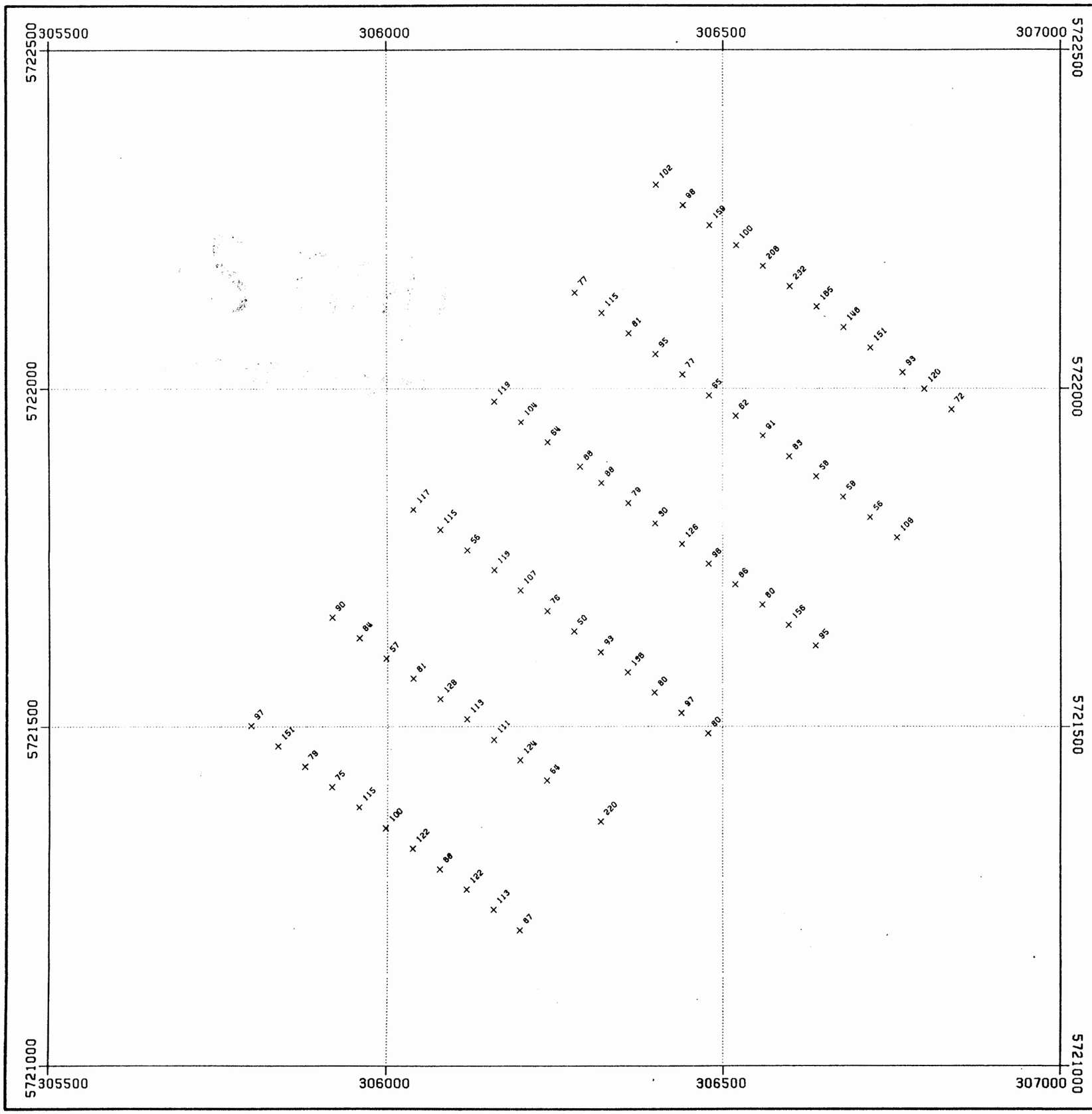
	FIELD	FILE
× POINTS:	CU	EXPL*RHP-MCC3.

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 16.

PLACER DEVELOPMENT LIMITED	
DRAWN PLK	NOBLE CLAIMS MCCORVIE GRID CU
DATE 83/09/06	Cu – ppm
SCALE 1:5000	
	NO.



DATA PLOTTED ON THIS MAP:

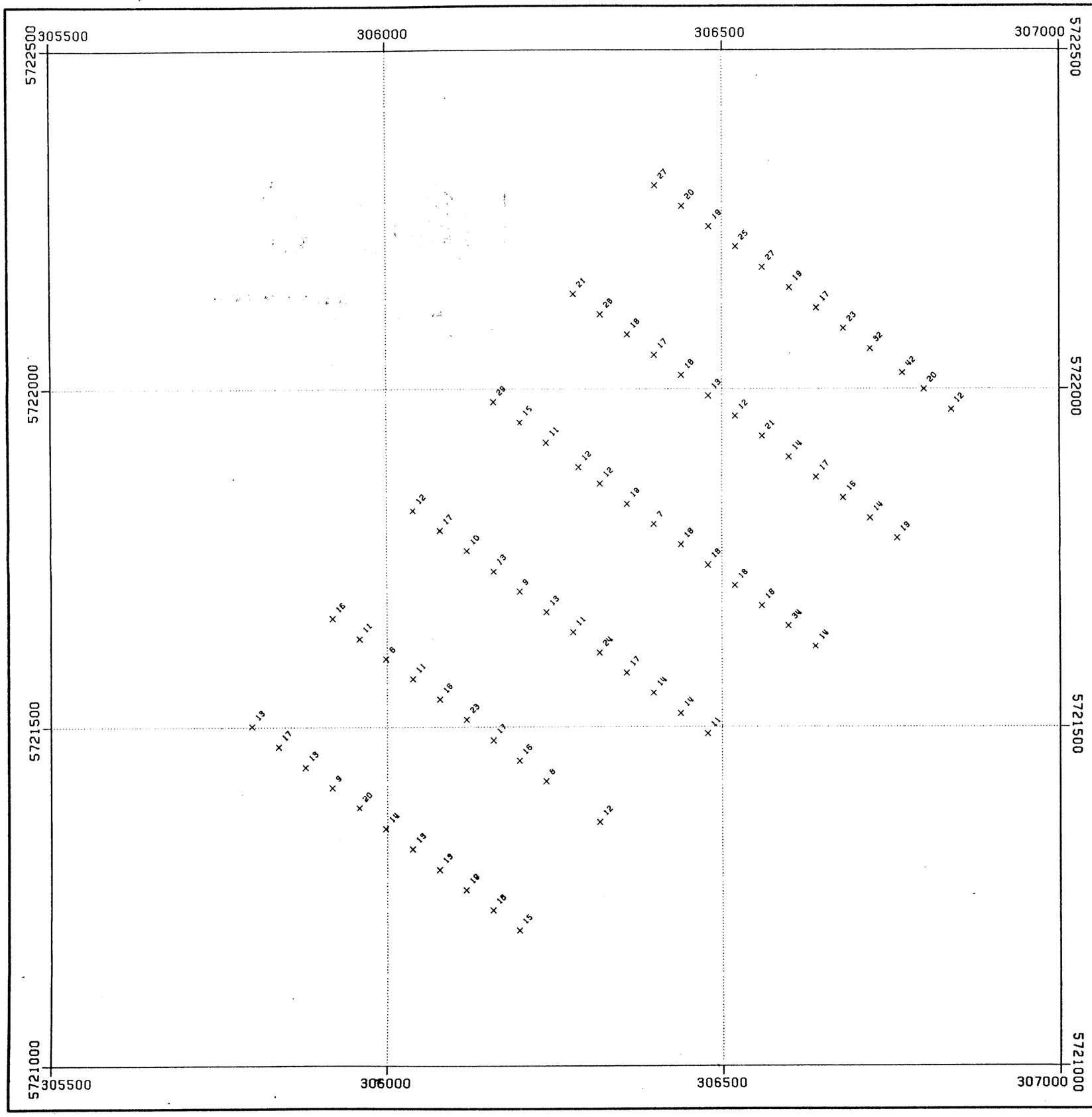
	FIELD	FILE
× POINTS:	ZN	EXPL×AHP-MCC3.

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 17.

PLACER DEVELOPMENT LIMITED	
DRAWN PLK	NOBLE CLAIMS MCCORVIE GRID ZN
DATE 83/09/06	Zn - ppm
SCALE 1:5000	
	NO.



DATA PLOTTED ON THIS MAP:

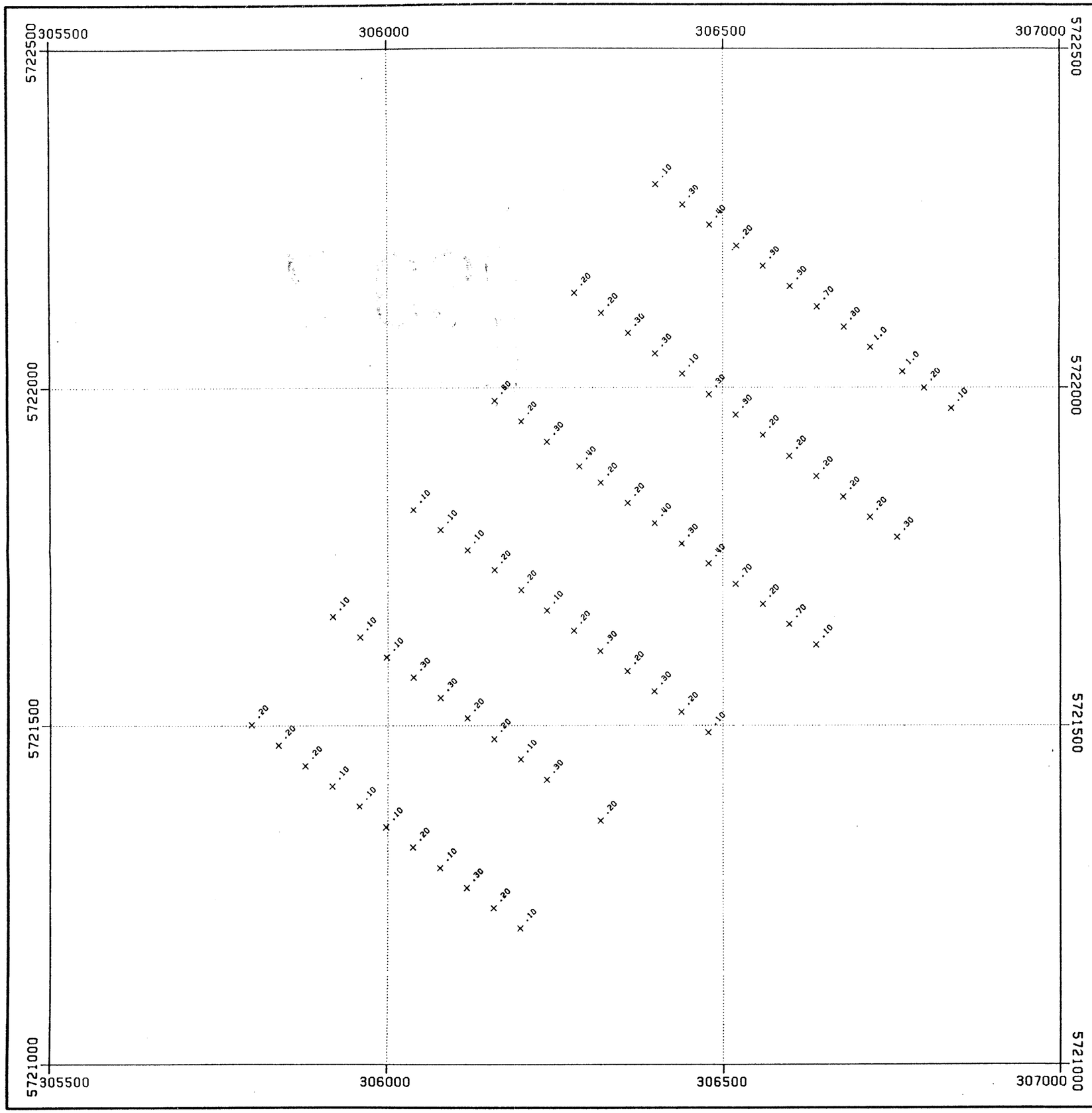
	FIELD	FILE
× POINTS:	PB	EXPL*RHP-MCC3.

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 18.

PLACER DEVELOPMENT LIMITED	
DRAWN PLK	NOBLE CLAIMS MCCORVIE GRID PB
DATE 83/09/06	Pb – ppm
SCALE 1:5000	
	NO.



DATA PLOTTED ON THIS MAP:

	FIELD	FILE
× POINTS:	AG	EXPL×RHP-MCC3.

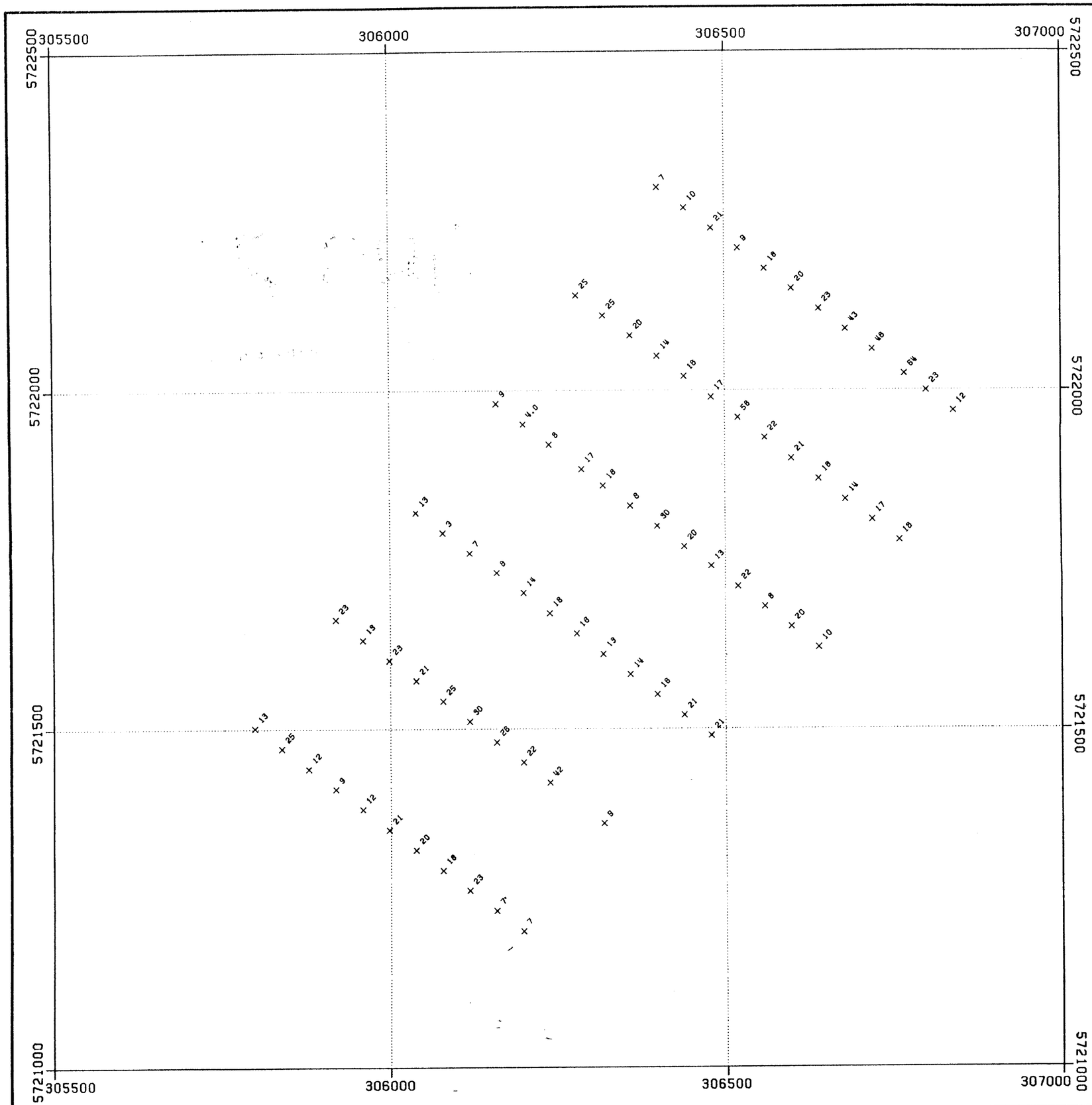
DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 19.

PLACER DEVELOPMENT LIMITED

DRAWN PLK	NOBLE CLAIMS MCCORVIE GRID AG
DATE 83/09/06	Ag - ppm
SCALE 1:5000	
	NO.



DATA PLOTTED ON THIS MAP:

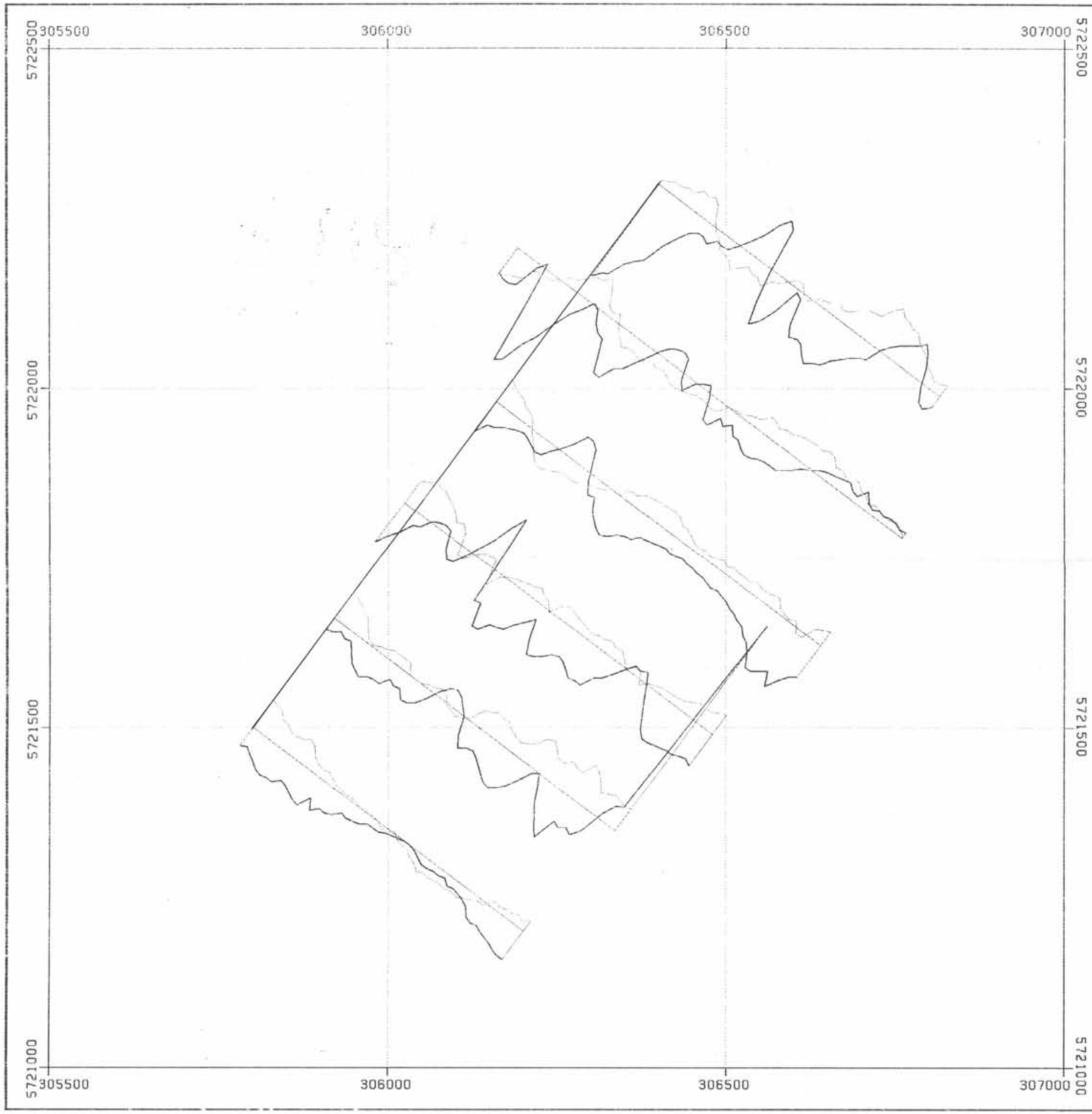
	FIELD	FILE
× POINTS:	HG	EXPL*RHP-MCC3.

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 20.

PLACER DEVELOPMENT LIMITED	
DRAWN PLK	NOBLE CLAIMS MCCORVIE GRID HG
DATE 83/09/06	Hg – ppb
SCALE 1:5000	
	NO.



MCORVIE GRID GROUND GEOPHYSICS

NOTE: IN PHASE - BOLD ——

STATION: SEATTLE (NLK)

READINGS TAKEN FACING SE

DATA PLOTTED ON THIS MAP:

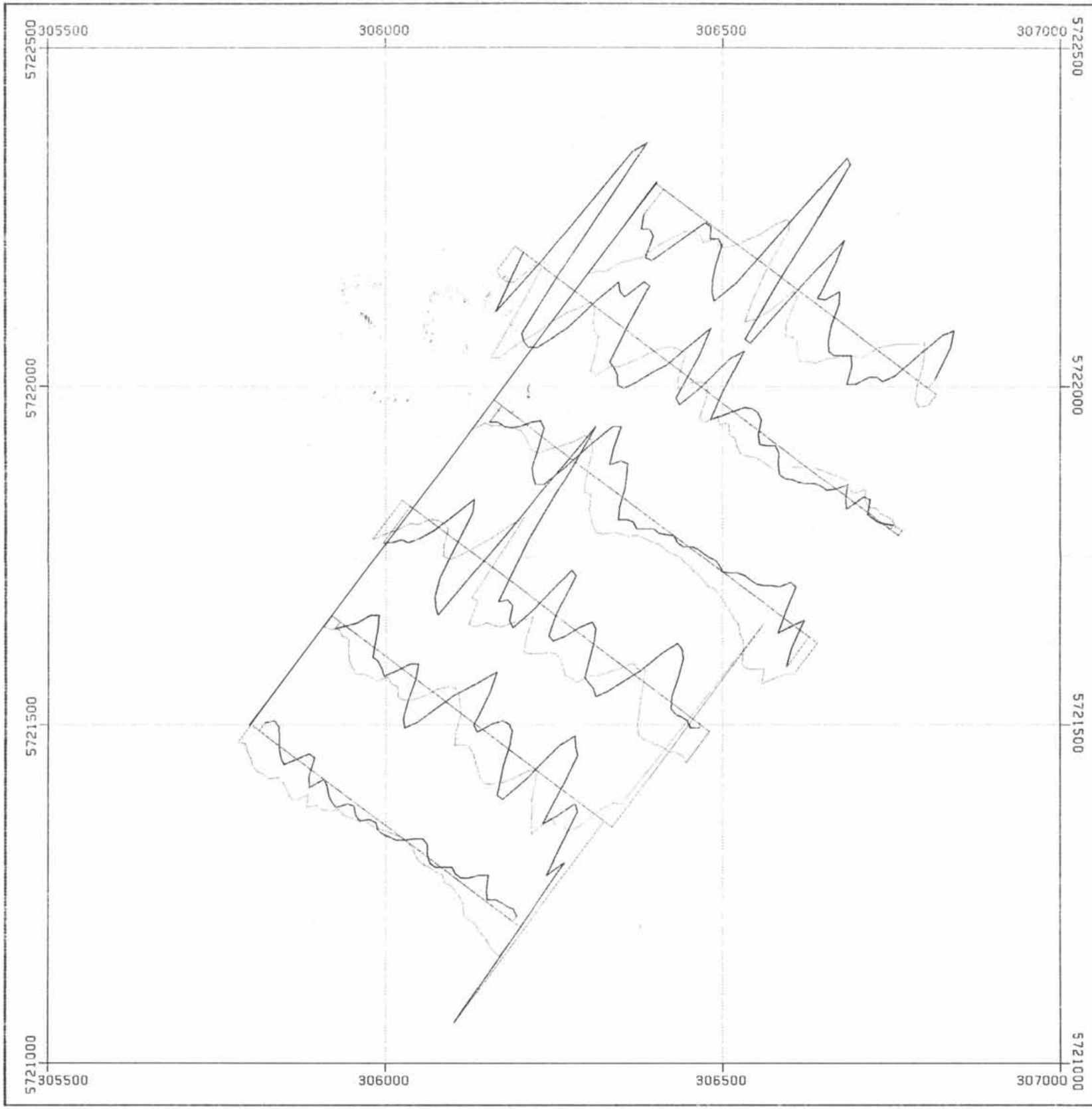
	FIELD	FILE
PROFILES:	IP	EXPL*V-188.MCORVIE/IP-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
PROFILES:	QUAD	EXPL*V-188.MCORVIE/QD-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 21

PLACER DEVELOPMENT LIMITED	
DRAWN JMT	MCORVIE GRID GROUND GEOPHYSICS
DATE 84/04/02	
SCALE 1:5000	
	NO.



MCORVIE GRID GROUND GEOPHYSICS

"FRASER FILTER" - BOLD
IN PHASE - FINE

DATA PLOTTED ON THIS MAP:

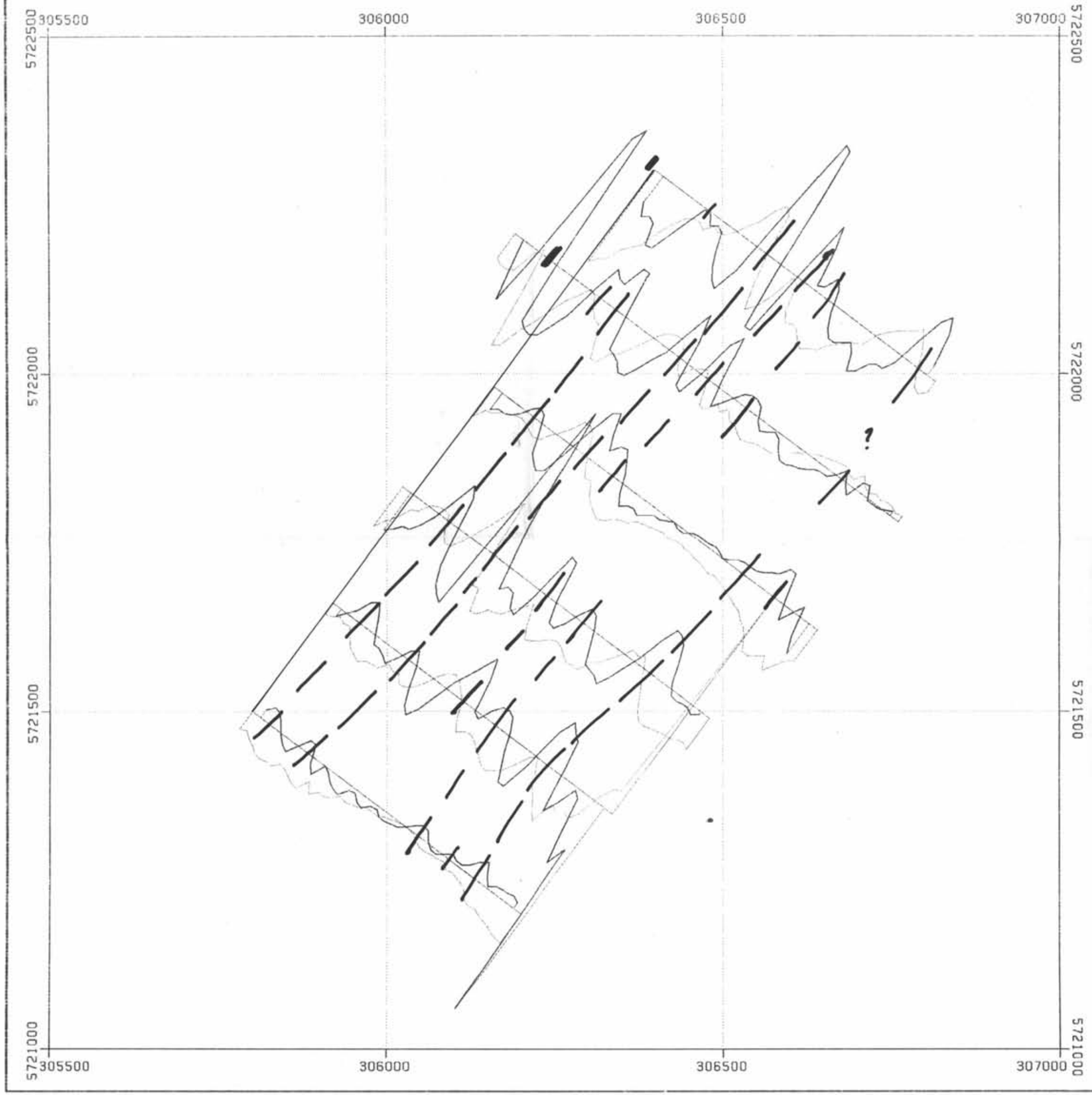
	FIELD	FILE
PROFILES: IP		EXPL▪V-188.MCORVIE/IP-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
PROFILES: FF		EXPL▪V-188.MCORVIE/FF-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 22.

PLACER DEVELOPMENT LIMITED	
DRAWN JMT	MCORVIE GRID GROUND GEOPHYSICS
DATE 84/04/02	
SCALE 1:5000	
	NO.



MCORVIE GRID GROUND GEOPHYSICS

"FRASER FILTER" - BOLD
IN PHASE - FINE

INTERPRETATION

CONDUCTOR AXES

DATA PLOTTED ON THIS MAP:

	FIELD	FILE
PROFILES: IP		EXPL#V-188.MCORVIE/IP-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	
PROFILES: FF		EXPL#V-188.MCORVIE/FF-UTM
SCALE:	20.0 UNITS / CM	
BASE LEVEL:	0.0	

DIRECTION OF NORTH AT CENTRE OF MAP

0 125 250 375 500
METRES

FIGURE 23

PLACER DEVELOPMENT LIMITED	
DRAWN JMT	MCORVIE GRID GROUND GEOPHYSICS
DATE 84/04/02	
SCALE 1:5000	
	NO.