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GEOLOGICAL AND GEOCHEMICAL
REPORT ON
GYPSY, PYTHON, NAUTICAL AND
B.B. CLAIMS
OF THE
NECHAKO RANGE AREA

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OF THE NECHAKO RANGE AREA

Omineca Mining Division

N.T.S.: 93 F/7E & W & 10E
Latitude: $53^{\circ}25'$; Longitude: $124^{\circ}40'$

Report for:

CHEVRON STANDARD LIMITED
901 Marine Building, 355 Burrard Street
Vancouver, B.C. V6C 2G8

Project: M 508

By:

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K.E. Northcote and Associates Ltd.
Agassiz, B.C.

September 30, 1981

EXECUTIVES' SUMMARY

K.E. Northcote and Associates Ltd. were contracted by Chevron Standard Limited to carry out geologic studies of the Nechako Range properties and to supervise geochemical soil sampling on established grids. The Nechako Range properties consist of the GYPSY I, II, III and IV, PYTHON I and II, NAUTICAL I, II and III and B.B. I, II, III, IV and V claims, totalling 223 units. Fieldwork was done in the period of July 18 to August 15, 1981.

In the Nechako Range area Middle and (?)Lower Jurassic andesite, and minor rhyolite, with their related tuffs and breccias, chert pebble conglomerate, shale and sandstone are intruded by Upper Jurassic and/or Cretaceous plutons ranging from diorite to granite. It is possible that some of these intrusions are older than this age. At the time the Nechako area was mapped the concept of volcanism and plutonism being part of the same magmatic event and intrusion of related volcanic sequences by genetically related, slightly later plutons was not well documented or understood. A comagmatic-coeval plutonic-volcanic relationship in a partly emergent marine environment is envisaged to explain the volcano-sedimentary features observed on the PYTHON and GYPSY claims. The rhyolites and associated breccias and tuffs may represent the volcanic equivalent of the more acid of these differentiated intrusives. If this concept is valid, such an environment would greatly enhance the mineral potential of the Hazelton group rocks in the Nechako Range area for volcanogenic stratiform massive sulphide in marine sedimentary and rhyolitic volcanic and/or porphyry copper-molybdenum deposits associated with high structural level differentiated intrusions.

GYPSY Claim

The north end of the GYPSY grid is underlain by rhyolitic tuff and breccia which appears to have been deposited in a shallow marine environment. There is potential for deposition of massive sulphides.

Soil geochemistry indicates anomalous Cu, Pb, Zn, Ag in two parts of the grid and ground geophysical anomalies correspond to one of these anomalies. Diamond drilling is recommended to test the coincident geochemical and ground geophysical anomalies.

PYTHON Claim

The PYTHON grid is underlain by a shallow marine nearshore succession of Hazelton shale, thin bedded shale, siltstone and sandstones interfingered with coarse volcano-sedimentary clastic and volcanic interbeds in the eastern half of the grid.

A volcanic-plutonic centre occurs on the CHU claims 2½ kilometres to the south. If there is a genetic relationship between this centre and the surrounding volcano-sedimentary sequence the potential for massive sulphide deposition is enhanced.

Soil geochemistry provides anomalous values for Pb, Zn, Mo and to a lesser extent Ag and Cu, seemingly associated with the volcano-sedimentary clastic interbeds. Consideration should be given to diamond drilling the sequence and having geochemical analyses made of the discrete rock units above, within and below the coarser interbeds. Geochemistry of rock samples collected during geologic mapping is also recommended.

NAUTICAL Claim

The west side of the NAUTICAL claim is underlain by unaltered Hazelton shale, sandstone and quartz pebble conglomerate. The grid is underlain by deep glacial overburden.

The validity of soil geochemistry of the grid is questioned because of probable deep overburden.

No further geological or geochemical work on this grid is recommended.

B.B. Claim

The southeast part of the B.B. claims is underlain by epidote-chlorite rich Hazelton andesitic breccia which has some mineral potential. The area to the west and north appears to be underlain by Tertiary volcanics of the Ootsa and Endako groups. A circular traverse at the north end of B.B. IV indicates deep glacial overburden.

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GEOLOGICAL AND GEOCHEMICAL REPORT ON
GYPSY, PYTHON, NAUTICAL AND B.B. CLAIMS
OF THE NECHAKO RANGE AREA

INTRODUCTION

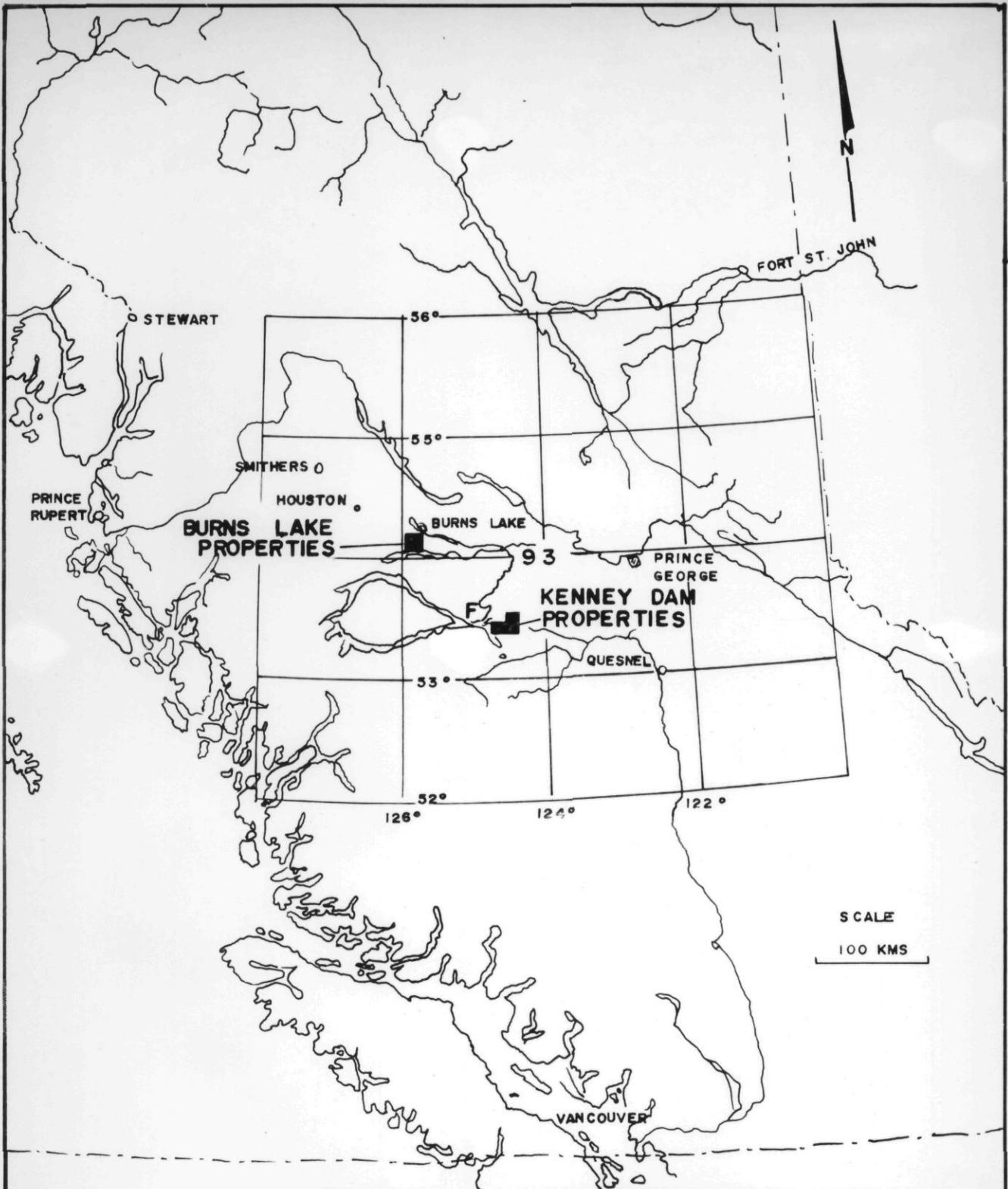
Terms of Reference

K.E. Northcote and Associates Ltd. were contracted by Chevron Standard Limited to carry out geological studies of the Nechako Range properties and to supervise geochemical soil sampling programs on established grids. Geological and geochemical effort was not intended to be regional. The mineral potential of specific, significant conductors found by earlier surveys were to be assessed utilizing geologic data, providing insight into geologic environments in conjunction with soil geochemistry and data from ground VLF, Max-Min and magnetic surveys run concurrently by M.P.H. Consulting Limited.

LOCATION AND ACCESS

The Nechako Range properties, consisting of 4 non-contiguous groups of claims are located about 80 kilometres in a direct line southwesterly from Vanderhoof. These claims include the Gypsy, Nautical, Python and B.B. claims totalling 223 units.

The B.B. claims are accessible by all weather logging road between 79 and 85 kilometres southwest from Vanderhoof and on Big Bend Creek about 12 kilometres southeast of Big Bend Arm on Knewstubb Lake. See Figure 2.



CHEVRON STANDARD LIMITED

LOCATION MAP :

BURNS LAKE AND KENNEY DAM

PROPERTIES

OMINECA M.D. 93K/4E $\frac{1}{2}$ W ; 93F/7E $\frac{1}{2}$ 10E $\frac{1}{2}$ W

FIGURE : I

K. E. NORTHCOTE AND ASSOCIATES LTD.

DRAWN BY R.G.F.

AUGUST 28, 1981.

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The Gypsy claims are located on the west side of Nechako Range 10 kilometres east of Chedakuz Arm of Knewstubb Lake. See Figure 2. These claims are presently accessible by helicopter from the end of an all weather logging road leading westerly about 16 kilometres from the B.B. claims. Work has started on a southerly extension of this road which will pass through the Gypsy claims.

The Nautical claims are on the east side of Nechako Range and are situated 6 kilometres south of the B.B. claims and are accessible by all weather logging road to a gravel pit, at kilometre 93, which is within 1 kilometre of the east side of the claims. See Figure 2.

The Python claims lie in the middle of the Nechako Range lying almost contiguous with the southwest corner of Nautical III claim. See Figure 2. The Python claims are accessible by an all weather logging spur leading westerly from kilometre 96 to a point within 0.5 kilometres of the southeast corner of Python I. A trail was flagged to the grid from the end of the logging spur.

PREVIOUS WORK

Geological mapping on a regional 1 inch to 4 mile scale was published by H.W. Tipper in 1963 (Tipper, 1963).

The CHU, NECH and AKO claims, with mineralization centred 2.5 kilometres south of the Python claim grid, have had considerable geophysical, geochemical, geological surveys and diamond drilling done on them or former claims in the same area since 1963. The C claims are located approximately 6 kilometres southeast of the Python grid approximately 2 kilometres west of Chutanli Lake. Some of this work is reported in MEMPR Assessment Reports. See Bibliography. MEMPR Minfile indicates two mineral occurrences, 93 F/1 and F/4, which represent CHU and C properties respectively.

Published and unpublished reports and maps providing useful background information for the Burns-Nechako areas are listed in the Bibliography.

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PRESENT WORK

Geological and geochemical work was done on the Nechako Range properties during the period of July 18 to August 15th inclusive. Thin section studies and report preparation was done August 25 to September 28, 1981. K.E. Northcote, Ph.D., P.Eng. conducted geological surveys and supervised collection of soil samples by D. Abercrombie and S. Goertz, July 18 to 25th and K. Buerge and T. Berg July 25 to August 16, 1981.

Although geologic maps were generated by field and laboratory studies, the purpose of the geologic work was to determine the geologic environment on and/or around grids covering anomalous conductors from airborne surveys and thereby assess the mineral potential of the mineral claims.

Cut and flagged grids established for ground geophysical surveys were utilized for geochemical soil sampling. Base lines ranging from 100 to 600 metres in length were established. Cross lines 600 metres to 2 kilometres long were cut at 100 metre intervals across the base line. Stations were flagged at 25 metre intervals on all lines and soil samples of the 'B' horizon were collected at each station. Samples were collected at alternate 25 metre intervals on two long cross lines, A and B, on the NAUTICAL claim. Samples were sent to Chemex Labs Ltd. for standard laboratory analyses for Cu, Pb, Zn and Ag. In addition to these elements the samples for PYTHON, because of close proximity to intrusive environment, were also analysed for Mo. Analytical data are plotted on Figures 4, 6 and 8. Assay sheets tabulating analytical results form Appendix A.

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CLAIM STATUS

The Nechako Range properties consist of the GYPSY I, II, III and IV; PYTHON I, II; NAUTICAL I, II and III; and B.B. I, II, III, IV and V claims registered at the Gold Commissioner's office in Smithers, B.C.

TABLE I

CLAIM STATUS

Claim Name	Number of Units	Record Number	Record Date
GYPSY I	18	3923	July 9, 1981
GYPSY II	18	3924	July 9, 1981
GYPSY III	16	3925	July 9, 1981
GYPSY IV	12	3926	July 9, 1981
PYTHON I	20	3917	July 9, 1981
PYTHON II	15	3918	July 9, 1981
NAUTICAL I	16	3919	July 9, 1981
NAUTICAL II	12	3920	July 9, 1981
NAUTICAL III	8	3921	July 9, 1981
B.B. I	20	3927	July 9, 1981
B.B. II	20	3928	July 9, 1981
B.B. III	20	3929	July 9, 1981
B.B. IV	20	3930	July 9, 1981
B.B. V	8	3931	July 9, 1981
<hr/>			
TOTAL	223		

GENERAL GEOLOGY

The stratigraphic succession for the Nechako Range properties area, in accordance with Tipper's mapping, is outlined in Table II (Tipper, 1963).

TABLE II
STRATIGRAPHIC SUCCESSION

TERTIARY

Miocene and Later

Endako Group - Vesicular and amygdaloidal andesite and basalt; flow breccia, tuff, conglomerate, greywacke and lignite.

Paleocene(?) Eocene and Oligocene

Ootsa Lake Group - Rhyolite, dacite, associated tuffs and breccias, minor andesite, basalt and conglomerate.

JURASSIC AND/OR CRETACEOUS

Upper Jurassic and/or Cretaceous

Granite, quartz diorite, granodiorite and diorite.

MIDDLE AND(?) LOWER JURASSIC

Hazelton Group - Andesite, related tuffs and breccias, chert pebble conglomerate, shale and sandstone and minor rhyolite and related tuffs and breccias.

GENERAL GEOLOGY, NECHAKO RANGE

The oldest rocks in the Nechako Range are Hazelton sedimentary and volcanic rocks. Tipper subdivides the Hazelton into two units, the Chert Pebble Conglomerate and Middle Jurassic (Tipper, 1963).

The Chert Pebble Conglomerate is characterized by black and grey chert pebble conglomerate but volcanic flows and pyroclastics comprise over 50 percent of the unit. They are interbedded with shale and greywacke which locally are predominant (Tipper, 1963, p. 24).

The Middle Jurassic unit is mainly marine to nearshore sedimentary tuffaceous rocks with some interlayered flows, breccias and tuffs. The volcanic rocks consist of reddish brown, purplish red, brown, green and grey andesite, rhyolite, related tuffs and breccias interbedded with greywacke, conglomerate, shale, argillite and arkose (Tipper, 1963, p. 20). Rhyolitic rocks are reported on Fawnie Nose and Kuyakuz Mountains which are, respectively, 29 kilometres southwesterly and 35 kilometres southeasterly from the GYPSY claims.

The Hazelton rocks are intruded by Upper Jurassic and/or Cretaceous intrusions ranging in composition from granite to diorite. Some thought should be given to a possible coeval comagmatic relationship between the plutons cutting Hazelton rocks and the andesitic and rhyolitic volcanics and coarse clastic volcano-sedimentary strata within Hazelton group rocks. Such relationships are proving to be the general case rather than the exception.

The Hazelton sedimentary and volcanic rocks are unconformably overlain by Upper Cretaceous and Tertiary volcanics of Ootsa Lake and Endako groups. The Ootsa Lake group consists of rhyolite, dacite and associated tuffs and breccias, minor andesite, basalt and conglomerate.

The Paleocene(?) Eocene and Oligocene Endako group consists of vesicular and amygdaloidal andesite and basalt, flow breccia, tuff, conglomerate, greywacke and lignite.

STRUCTURAL GEOLOGY

Structural information for the Nechako Range area is sketchy. Tipper (1963, p. 45) states that all volcanic and sedimentary rock groups of this area are folded to some degree and all folds have a northwest trend. Topley intrusions have a northwest elongation, but this is not so for younger granitic rocks.

The Hazelton group rocks occur in broad folds with dips up to 45 degrees and locally where shales predominate the rocks are tightly folded with dips up to 80°. These rocks are sheared and abundantly contorted (Tipper, 1963, p. 45).

Faulting and shearing tends to occur in narrow, steep dipping zones showing gouge, slickensides and breccia (Tipper, 1963, p. 46). None appear to be major, but magnitude and direction of movement are not known.

Structural linears are conspicuous on airphotographs. The Nechako Range is dissected by numerous strong northeasterly trending linears. From observations made in this present study structural complexity is suspected to be much greater than previously recognized. On the GYPSY claims the rhyolite tuff breccias show strong foliation striking northwesterly with moderate northerly dips. This is contrary to attitudes measured by Tipper with northwesterly strike and southwest dips on the ridge at the north edge of the claims and contrary to bedded tuffs measured by Northcote, striking northeasterly with steep southeasterly dips, also at the north boundary of the claims. See Figure 3. The foliation in the rhyolites is thought to be a combination of primary laminations and secondary foliation as the result of shearing. Strong northwest

trending structures may occur near the base of the slope on the GYPSY claims. The west end of the PYTHON I claim is underlain by slate with well developed slaty cleavage cutting across bedding. This indicates strong, similar to isoclinal, folding occurring in the PYTHON west area with axial planes trending southeasterly with gentle southwesterly dips. This certainly suggests more than the previously described gentle warping of strata.

ECONOMIC GEOLOGY

The marine to nearshore interbedded volcanic and sedimentary strata of the Hazelton group, intruded by Upper Jurassic to Cretaceous plutons, has excellent mineral potential. This geological environment provides probability of locating areas of localization of marine volcanogenic massive sulphide deposits, generation of porphyry-molybdenum-copper systems, stockworks and single or multiple veins. Metals most likely to be of economic interest include Cu, Mo, Pb, Zn, Cd, Ag and Au (Sn and W). Recognition of rhyolitic sequences within the Hazelton by Tipper at Fawnie Nose and Kuyakuz Mountain and their presence on the GYPSY claims greatly enhances the probability for volcanogenic massive sulphide deposits, particularly if these rocks prove to be marine. This, in my opinion, is probably the most significant positive result of the Burns Lake-Nechako Range geological-geochemical project. It gives greater indicated mineral potential to the area of Hazelton group rocks.

To date no significant massive sulphide mineral deposits have been detected in these rocks. This may be purely a result of low prospecting intensity and the high percentage of younger volcanic and glacial material covered area. A low percentage, less than 5%, of the Nechako Range area is outcrop. Molybdenum-copper porphyry or stockwork systems occur immediately south of the PYTHON claims and just to the west of

Chutanli Lake. These mineralized zones are in a Hazelton sedimentary-volcanic assemblage intruded by a differentiated(?) granodiorite of presumed Upper Jurassic-Cretaceous age.

It is possible that there is a much closer time-genetic relationship between these intrusions and Hazelton rocks. Comagmatic and coeval volcanism and plutonism and its significance in porphyry systems was not generally recognized and accepted at the time the regional mapping was done in the Nechako River map area.

Volcanic-intrusive centres, partially emergent from shallow marine environment, such as the pluton represented by the granodiorite on the CHU claim 2½ kilometres south of PYTHON grid, may be the source of the andesitic and rhyolitic volcanic flows, tuffs, coarse detrital material and brèccias dumped into the surrounding seawater. Such a geologic environment would immediately enhance economic potential of the Hazelton group.

GEOLOGY OF THE CLAIMS AREAS

GYPSY CLAIMS

Geology, GYPSY

The north end of the GYPSY grid is underlain by laminated rhyolitic tuff breccias, welded tuffs and flows of the Hazelton group. Part of the lamination appears to be primary and some is certainly secondary, the result of shearing. A possible shear zone, marked by an elongate marsh, crosses the GYPSY grid on the flat at the base of the ridge. The foliation in the rhyolitic rocks trends slightly south of easterly and has a moderate northerly dip. Upslope towards the north edge of the claims the rocks pass from rhyolitic to andesitic. These consist of andesitic waterlain tuffs, flows and flow breccias and feeder dykes. In the vicinity of feeders the rocks become epidote and carbonate-rich and contain disseminated pyrite and pyrrhotite. See Figures 3 and 7.

Thirty thin sections of rocks from the GYPSY area were examined to confirm presence of rhyolitic rocks. These rocks are all rich in feldspar with lesser quartz crystals or crystal fragments with abundant tuff fragments in a very fine feldspar-rich matrix. In most cases fragments appear lensoid as if drawn out by late shearing or hot deposition deformation. Cherty appearing lensoids consist of tuff, mixtures of cryptocrystalline quartz and feldspars and some chert. The chert may be intraformational, being derived from within the Hazelton group. No chert beds were observed in the limited number of outcrops in the GYPSY claims area.

The rhyolitic rocks are cut by quartz veinlets and are abundantly altered making recognition of original minerals and textures difficult. Alteration is predominantly sericite and carbonate. Few primary sulphides were observed and these were pyrite with local iron staining probably resulting from pyrite.

Geochemistry, GYPSY

Samples were collected from the 'B' horizon on the GYPSY grid at each 25 metre station with the exception of marsh areas where attempts to collect soil samples were abandoned. See Figure 6. Soil samples were sent to Chemex Labs Ltd. for standard geochemical analyses for Cu, Pb, Zn and Ag. The results of these analyses are plotted on Figure 6, Geochemistry of GYPSY Claims, and assay sheets form part of Appendix A. Statistical analyses and histograms of soil geochemistry results form Appendix B.

Outcrop occurs within the grid north of 2+00N on all lines and on, and west of, line 3+00W between 0+00 and 1+00S. Generally higher geochemical results can be expected in these areas. To the south the overburden thickens appreciably and geochemistry would be less effective. High anomalous values for Cu, Pb, Zn and Ag on GYPSY grid are as follows:

Cu	High 35 to 45 ppm	Anomalous >45 ppm
Pb	High 11 to 20 ppm	Anomalous >20 ppm
Zn	High 130 to 170 ppm	Anomalous >170 ppm
Ag	High 0.5 to 0.7 ppm	Anomalous >0.7 ppm

A statistical treatment of metal values and histograms are given in Appendix B.

High and anomalous Cu, Pb, Zn and Ag values are indicated on Figure 6, GYPSY Claims Soil Geochemistry. The most significant results lie in an area of outcrop and shallow overburden between L 3+00W, 0+00 to 1+75S; BL 3+00W to 2+25W; and L 2+00W, 0+25S. The highest Cu values are in a marsh area and may be discounted.

A second significant but less well defined area of high Cu, Pb and Zn values occur in the northeast corner of the grid on L 0+14E, 2+25N to 2+50N; L 1+50N to 3+00N.

Scattered high and intermediate Ag values occur in the northwest corner of the grid.

Discussion, GYPSY

Rhyolite breccias, tuffs and flows occur within the Hazelton group rocks on the GYPSY claims. If these rocks, like the overlying andesitic sequence, are marine the potential for volcanogenic massive sulphides in the general Nechako area is greatly enhanced. A linear marshy area crossing the grid at about 200N may reflect underlying structure. The rhyolitic rocks are veined by quartz and contain some pyrite.

Soil geochemistry gives a moderately strong, but localized Cu, Pb, Zn, Ag anomaly adjacent to rhyolitic outcrop in the area L 3+00W; 0+25S to 1+50S extending east to L 2+00W. Lesser Cu, Pb, Zn anomalies at the northeast corner of the grid and Ag in the northwest corner may also be of significance.

Ground geophysical surveys indicate anomalies in the vicinity of the strongest geochemical anomaly on L 3+00W.

Recommendations, GYPSY

- (1) Diamond drilling is recommended to test the geochemical anomaly on L 3+00W, 0+25S to 1+50S. At least one hole 150 metres in depth would be required. From geological considerations it would be best directed south-southwesterly from a point on L 3+00W north of the geochemical anomaly.
- (2) Geochemistry of rock samples collected during the initial geological survey is required. The samples should be cut or broken so that one part may be sent for analysis with the other part retained for reference purposes. The rock samples should be run for Cu, Pb, Zn, Ag and Au with the pulp retained for analysis of additional elements as required.

PYTHON CLAIMS

Geology, PYTHON

The PYTHON grid is underlain by a predominantly sedimentary and volcano-sedimentary sequence with minor volcanic flows. The succession is intruded by at least one small biotite granodiorite pluton which had little effect on the surrounding rocks. See Figure 5. Forest fires on the eastern two thirds of the grid have baked and stained the outcrops making them friable and making recognition of lithology difficult. Approximately forty thin sections were examined to assist in rock identification.

The PYTHON grid is underlain on the west by slate with slaty cleavage striking southeasterly with a gentle southwesteरly dip. Loose surface fragments show slaty cleavage cutting across bedding but this relationship was not observed in outcrop. Towards the east the slaty cleavage disappears and the rocks become shaly with increasing laminated interbedding with siltstone and fine sandstones towards the middle of the grid. From this point east there is abundant thick, coarse clastic interbeds which at first glance have a plutonic appearance. In thin section the plutonic appearing rocks are shown to consist mainly of coarse feldspar crystal fragments with lesser tuff fragments in a very fine feldspar-rich matrix. The extremely high crystal fragment to matrix ratio makes the matrix barely visible in hand specimens in many cases. The rock lacks mafic crystals but has some chloritic material in the matrix which adds to the pseudo-plutonic appearance. It is not known whether this rock is a volcanic crystal tuff or of sedimentary origin. It is, however, interbedded with volcanic flows. The coarse clastic rocks are interbedded with laminated shales, siltstones and sandstones, some of which are marine fossiliferous. See Figure 5. A small elliptical biotite granodiorite plug without conspicuous quartz intrudes the volcano-sedimentary succession between lines 1+00S and 2+00S at 8+00E. This

intrusive appears to have produced no thermal or hydrothermal effects^s surrounding rocks but is itself much finer grained at its edge than in the core.

The southeast end of the grid is underlain by volcanic breccia containing possible plutonic fragments. In outcrop this breccia has the appearance of intrusive breccia but this origin did not hold in thin section. Further to the southeast is a volcano-sedimentary breccia with a calcareous matrix. See Figure 5.

The east end of the grid area containing the coarser clastic material and volcanic flows is abundantly pyritic and pyrrhotitic.

A partly emergent volcano-plutonic centre such as that now represented by the granodiorite on the CHU claims 2½ kilometres to the south may have been the source of the volcanic and volcano-sedimentary material. A partly emergent coeval-comagmatic relationship is envisaged.

Geochemistry, PYTHON

The PYTHON grid is underlain by shallow, well drained overburden with a generally well developed 'B' horizon. The eastern 2/3 of the grid has recently been burned and the soil profile changed by burning off the organic layer, baking the 'B' horizon and adding ash. The depth of overburden is very shallow so the soil sample geochemical method should be effective throughout the grid area.

Four, 2 kilometre east-west lines were laid out 100 metres apart with a baseline across the centre. Stations were flagged at 25 metre intervals on all lines. Soil samples were collected from the 'B' horizon at each station and all samples were shipped to Chemex Labs Ltd. for standard geochemical analyses for Cu, Pb, Zn, Ag and Mo.

Results are shown on Figure 4, PYTHON Claim Soil Geochemistry, and are tabulated in Appendix A. Appendix B contains histograms and a statistical analysis of results. High and anomalous values for the metals are summarized as follows:

Cu	High	45 to 65 ppm	Anomalous	65 ppm
Pb	High	10 to 14 ppm	Anomalous	14 ppm
Zn	High	400 to 550 ppm	Anomalous	550 ppm
Ag	High	0.5 to 0.7 ppm	Anomalous	0.7 ppm
Mo	High	7 to 10 ppm	Anomalous	10 ppm

Anomalous or high Zn, and to lesser extent Pb, and Mo and scattered Ag values are associated with the volcano-sedimentary clastic wedge protruding southwesterly into the middle of the grid. Higher Cu and Mo values are scattered within the coarser clastic beds in the east half of the grid and with the small granodiorite pluton.

Discussion, PYTHON

The PYTHON grid is underlain by a shallow marine sedimentary and interbedded volcanic succession intruded by granodiorite. Although rhyolitic rocks appear to be lacking at this locality there is some potential for massive sulphides. Because of the presence of granodiorite within 2½ kilometres to the south and a satellite intrusion within the grid area there is potential for porphyry related Mo-Cu deposits and stockworks. The volcano-sedimentary clastic rocks on the east half of the grid locally contain abundant pyrite and pyrrhotite and are iron stained.

Geochemistry shows high and anomalous values for Zn, Pb, Ag and Mo are associated with the volcano-sedimentary clastic wedge projecting southwesterly into the centre of the grid. Higher Cu and Mo values are associated with clastic material and the small granodiorite pluton on the east side of the grid. Areas of higher geochemistry do not correspond to ground geophysical anomalies.

Recommendations, PYTHON

Although geochemical anomalies do not correspond to ground geophysical anomalies, consideration should be given to diamond drilling through the overlying shale, siltstone and sandstone sequence. Also through the volcano-sedimentary clastic beds into underlying shale-siltstone-sandstone sequence. Rock geochemistry should be carried out on the core sampling

lithologies rather than regular assay intervals.

Rock geochemistry should be carried out for Cu, Pb, Zn, Ag, Au (or As) and Mo(?) on rock samples collected during geological mapping. The samples should be broken or cut with one half sent for analysis and the other half retained for reference. Pulps should also be retained for subsequent analyses as required.

NAUTICAL CLAIM

Geology, NAUTICAL

The area of the grid and the east side of the NAUTICAL claim is underlain by deep glacial overburden. Ridge tops on the west side of the claims are underlain by gently westerly dipping, unaltered, unmetamorphosed Hazelton chert pebble conglomerates, sandstones, siltstones and shale. See Figure 3.

There is some potential for massive sulphides in the predominantly marine or marine near terrestrial environment but no intrusions are indicated. Potential for porphyry related deposits would therefore appear to be remote.

Geochemistry, NAUTICAL

Two, 1300 metre southwesterly trending lines were established 100 metres apart and were used in an attempt to locate an airborne geophysical survey conductor by running ground geophysical Max-Min, magnetic and VLF surveys. Stations were flagged at 25 metre intervals along these lines. Soil samples were collected from the 'B' horizon every 50 metres on each line with samples collected from even numbered stations on Line A and odd numbered stations on Line B. The samples were sent for standard geochemical analyses for Cu, Pb, Zn and Ag at Chemex Labs Ltd. Results are plotted on Figure 8 and analytical results are tabulated in Appendix A. Histograms and a statistical treatment of data are in Appendix B.

There is a random distribution of higher values for the metals with highest Zn values between 20S and 26S on both lines.

Discussion, NAUTICAL

The grid is in an area of deep overburden with the closest outcrops about 1 kilometre west of the grid. These outcrops are unaltered, unmetamorphosed chert pebble conglomerate, sandstone and shale.

.... / 19

Because of deep overburden the validity of the geo-chemical results are in doubt.

Recommendations, NAUTICAL

No further work is recommended on the NAUTICAL claim.

B.B. CLAIMS

Geology, B.B.

One day was spent conducting a geological reconnaissance of the B.B. claims. The geological formations are as indicated on Tipper's geologic map but their spatial distribution is somewhat different (Tipper, 1963). See Figure 3.

The oldest rocks on the B.B. claims are volcanics of the Hazelton group. Two outcrops on the logging access road in the southeast part of the claims consist of epidotized and chloritic volcanic breccias. These rocks are overlain by the relatively fresh Tertiary volcanics of the Ootsa and Endako groups. These rocks crop out along the logging access road that traverses southeasterly through the claims.

Discussion, B.B.

Altered andesite breccias of the Hazelton group constitutes a favourable geologic environment for mineralization. These rocks crop out in the southeast part of the B.B. claim block.

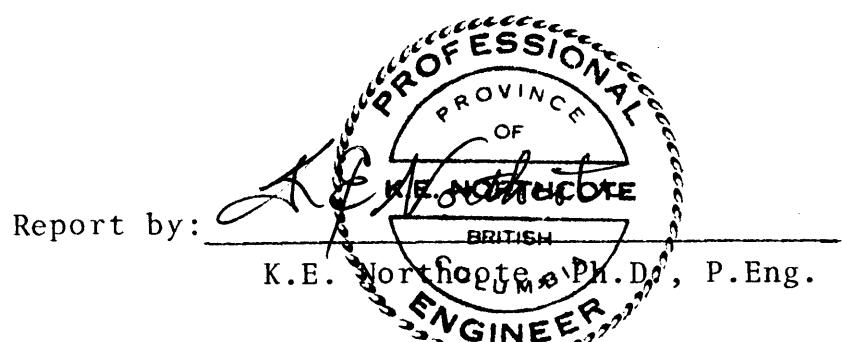
A circular reconnaissance traverse was made at the north end of B.B. IV claim to investigate the area of an airborne survey conductor anomaly. No outcrops were found and the depth of overburden in this area of kames and eskers is likely to be deep.

Recommendations, B.B.

A small geological reconnaissance survey to map the full extent of the Hazelton group rocks in the southeast part of the B.B. claims should be considered.

Unless airborne geophysical survey anomalies indicate a target in the Hazelton rocks no further work is recommended.

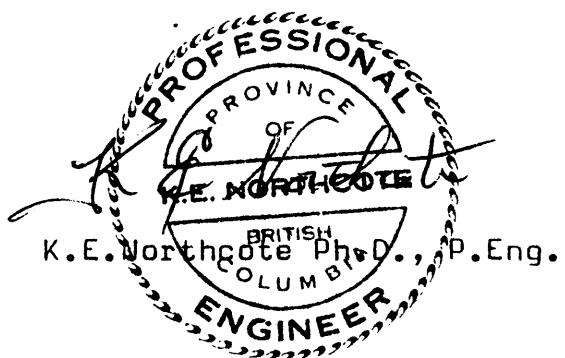
.... / 21



STATEMENT OF QUALIFICATIONS

I, K.E.Northcote, of K.E.Northcote and Associates Ltd., do hereby state that;

- (1) I have been performing as a professional geologist for a period of approximately 25 years for various petroleum exploration companies, mining exploration and consulting companies, and federal and provincial agencies.
- (2) I obtained a Ph.D. in geology from U.B.C. in 1968 and qualified for registration with the B.C. Association of Professional Engineers in 1967.
- (3) The geological mapping reported herein is a result of my personal fieldwork on and around the area of the Gypsy, Python, Nautical and B.B. claims.
- (4) I have not nor expect to have any monetary interest in Gypsy, Python, Nautical and B.B. claims.



APPENDIX A

GEOCHEMICAL DATA

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• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

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V6C 2G8

CERT. # : A8113391-006-A
INVOICE # : 18113391
DATE : 29-AUG-81
P.O. # : S6809
M508

PYTHON

CC K.E. NORTHCOTE

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
L1S 09+25 E	201	28	1	5	116	0.1	--
L1S 09+50 E	201	42	1	6	140	0.1	--
L1S 09+75 E	201	35	2	8	120	0.1	--
L1S 10+00 E	201	18	1	6	103	0.1	--
L1S 00+25 W	201	77	16	16	470	0.8	--
L1S 00+50 W	201	26	8	7	470	0.1	--
L1S 00+75 W	201	30	10	6	495	0.2	--
L1S 01+00 W	201	52	23	11	750	0.5	--
L1S 01+25 W	201	16	6	10	600	0.3	--
L1S 01+50 W	201	19	5	7	545	0.6	--
L1S 01+75 W	201	15	2	5	142	0.1	--
L1S 02+00 W	201	38	5	8	360	0.8	--
L1S 02+25 W	201	24	1	10	280	0.6	--
L1S 02+50 W	201	24	1	6	265	0.5	--
L1S 02+75 W	201	25	1	7	250	0.5	--
L1S 03+00 W	201	33	1	9	220	0.8	--
L1S 03+25 W	201	11	1	7	176	0.4	--
L1S 03+50 W	201	28	1	11	280	0.3	--
L1S 03+75 W	201	37	1	6	165	0.2	--
L1S 04+00 W	201	19	1	8	395	0.7	--
L1S 04+25 W	201	15	1	8	174	0.2	--
L1S 04+50 W	201	11	1	8	138	0.1	--
L1S 04+75 W	201	25	1	7	196	0.2	--
L1S 05+00 W	201	19	1	10	400	0.3	--
L1S 05+25 W	201	16	1	6	86	0.1	--
L1S 05+50 W	201	10	1	6	128	0.1	--
L1S 05+75 W	201	23	1	7	214	0.1	--
L1S 06+00 W	201	11	1	5	148	0.1	--
L1S 06+25 W	201	16	1	5	98	0.2	--
L1S 06+50 W	201	15	1	7	80	0.1	--
L1S 06+75 W	201	16	1	4	88	0.5	--
L1S 07+00 W	201	11	1	6	120	0.5	--
L1S 07+25 W	201	11	1	5	107	0.3	--
L1S 07+50 W	201	15	1	7	95	0.1	--
L1S 07+75 W	201	17	1	4	140	0.3	--
L1S 08+00 W	201	22	1	5	125	0.1	--
L1S 08+25 W	201	25	1	5	185	0.2	--
L1S 08+50 W	201	20	1	6	170	0.4	--
L1S 08+75 W	201	15	1	5	168	0.4	--
L1S 09+00 W	201	24	1	7	135	0.5	--

Certified by *Hart Biddle*



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INVOICE # : I8113391
DATE : 29-AUG-81
P.O. # : 56809
M508
PYTHON

CC K.E. NORTHCOTE

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
L2S 04+00 W	201	23	1	3	262	0.4	--
L2S 04+25 W	201	15	5	4	198	0.1	--
L2S 04+50 W	201	22	1	3	230	0.3	--
L2S 04+75 W	201	34	1	2	104	0.2	--
L1S 00+25 E	201	27	5	7	800	0.5	--
L1S 00+50 E	201	29	10	6	720	0.3	--
L1S 00+75 E	201	16	3	5	306	0.1	--
L1S 01+00 E	201	21	5	6	260	0.3	--
L1S 01+25 E	201	57	17	7	326	0.1	--
L1S 01+50 E	201	26	4	2	134	0.1	--
L1S 01+75 E	201	23	8	6	222	0.3	--
L1S 02+00 E	201	14	1	4	77	0.1	--
L1S 02+25 E	201	28	2	4	184	0.1	--
L1S 02+50 E	201	19	3	6	104	0.1	--
L1S 02+75 E	201	19	2	9	202	0.1	--
L1S 03+00 E	201	17	2	6	151	0.1	--
L1S 03+25 E	201	9	1	1	60	0.1	--
L1S 03+50 E	201	43	1	2	72	0.8	--
L1S 03+75 E	201	37	2	5	128	0.1	--
L1S 04+00 E	201	24	1	5	140	0.1	--
L1S 04+25 E	201	19	1	2	90	0.1	--
L1S 04+50 E	201	12	1	3	64	0.1	--
L1S 04+75 E	201	11	1	2	76	0.1	--
L1S 05+00 E	201	10	1	2	66	0.1	--
L1S 05+25 E	201	25	1	5	175	0.1	--
L1S 05+50 E	201	74	28	7	330	0.1	--
L1S 05+75 E	201	48	13	6	280	0.2	--
L1S 06+00 E	201	27	9	7	275	0.2	--
L1S 06+25 E	201	20	2	3	132	0.4	--
L1S 06+50 E	201	29	1	6	350	0.2	--
L1S 06+75 E	201	35	1	4	213	0.3	--
L1S 07+00 E	201	27	1	4	214	0.2	--
L1S 07+25 E	201	35	1	5	265	0.3	--
L1S 07+50 E	201	67	23	9	312	0.1	--
L1S 07+75 E	201	27	2	3	223	0.4	--
L1S 08+00 E	201	55	13	5	335	0.2	--
L1S 08+25 E	201	13	3	10	128	0.1	--
L1S 08+50 E	201	22	1	1	315	0.1	--
L1S 08+75 E	201	27	1	6	130	0.1	--
L1S 09+00 E	201	16	1	5	90	0.1	--

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 INVOICE # : I8113391
 DATE : 29-AUG-81
 P.O. # : S6809
 M508

PYTHON

CC K.E. NORTHCOTE

Sample Description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
L2S 04+00 E	201	23	1	6	100	0.3
L2S 04+25 E	201	66	1	3	125	0.2
L2S 04+50 E	201	22	4	2	122	0.4
L2S 04+75 E	201	29	2	6	112	0.4
L2S 05+00 E	201	38	2	5	140	0.7
L2S 05+25 E	201	56	1	6	245	0.6
L2S 05+50 E	201	24	2	3	160	0.2
L2S 05+75 E	201	20	1	6	100	0.4
L2S 06+00 E	201	20	1	2	128	0.1
L2S 06+25 E	201	26	1	3	110	0.1
L2S 06+50 E	201	24	1	5	265	0.8
L2S 06+75 E	201	27	1	2	118	0.3
L2S 07+00 E	201	24	3	3	175	0.2
L2S 07+25 E	201	37	2	5	398	0.2
L2S 07+50 E	201	22	1	2	240	0.1
L2S 07+75 E	201	14	1	4	210	0.1
L2S 08+00 E	201	29	1	4	153	0.1
L2S 08+25 E	201	89	5	2	162	0.1
L2S 08+50 E	201	67	6	8	150	0.1
L2S 08+75 E	201	35	2	2	142	0.1
L2S 09+00 E	201	20	1	4	101	0.1
L2S 09+25 E	201	27	1	1	73	0.1
L2S 09+50 E	201	24	1	5	160	0.1
L2S 09+75 E	201	26	1	8	138	0.1
L2S 10+00 E	201	21	1	4	140	0.4
L2S 00+25 W	201	17	1	4	185	0.2
L2S 00+50 W	201	11	1	5	158	0.1
L2S 00+75 W	201	23	1	3	95	0.2
L2S 01+00 W	201	16	1	5	200	0.1
L2S 01+25 W	201	8	1	4	105	0.1
L2S 01+50 W	201	12	1	1	102	0.1
L2S 01+75 W	201	12	1	4	105	0.1
L2S 02+00 W	201	23	1	3	300	0.1
L2S 02+25 W	201	12	1	2	190	0.2
L2S 02+50 W	201	15	1	4	285	0.2
L2S 02+75 W	201	9	1	2	240	0.1
L2S 03+00 W	201	24	1	1	102	0.1
L2S 03+25 W	201	13	1	4	135	0.2
L2S 03+50 W	201	9	1	4	132	0.1
L2S 03+75 W	201	19	1	5	123	0.2

Hart Biddle

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INVOICE # : I8113391
DATE : 29-AUG-81
P.O. # : S6809
M508

PYTHON

CC K.E. NORTHCOTE

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
L0 10+25 W	201	33	2	5	215	0.6	--
L0 10+50 W	201	12	1	2	125	0.2	--
L2S 05+00 W	201	14	1	4	82	0.1	--
L2S 05+25 W	201	16	1	6	60	0.2	--
L2S 05+50 W	201	11	1	4	81	0.1	--
L2S 05+75 W	201	13	1	7	90	0.1	--
L2S 06+00 W	201	17	1	4	80	0.3	--
L2S 06+25 W	201	19	3	6	102	0.4	--
L2S 06+50 W	201	12	1	5	59	0.2	--
L2S 06+75 W	201	11	2	6	65	0.2	--
L2S 07+00 W	201	14	2	6	80	0.1	--
L2S 07+25 W	201	22	1	7	106	0.3	--
L2S 07+50 W	201	21	1	5	158	0.1	--
L2S 07+75 W	201	24	1	2	108	0.1	--
L2S 08+00 W	201	23	1	4	128	0.1	--
L2S 08+25 W	201	14	1	4	128	0.1	--
L2S 08+50 W	201	14	1	4	115	0.7	--
L2S 08+75 W	201	20	1	6	132	0.6	--
L2S 09+00 W	201	17	1	6	163	0.2	--
L2S 09+25 W	201	19	1	2	150	0.3	--
L2S 09+50 W	201	21	1	5	190	0.2	--
L2S 09+75 W	201	18	1	8	130	0.1	--
L2S 10+00 W	201	22	1	5	135	0.2	--
L2S 10+25 W	201	22	1	5	120	0.3	--
L2S 10+50 W	201	26	1	5	205	0.5	--
L2S 00+25 E	201	50	15	19	322	0.2	--
L2S 00+50 E	201	19	1	5	98	0.3	--
L2S 00+75 E	201	18	1	3	90	0.1	--
L2S 01+00 E	201	23	1	5	127	0.1	--
L2S 01+25 E	201	20	1	2	66	0.1	--
L2S 01+50 E	201	23	1	5	88	0.1	--
L2S 01+75 E	201	17	1	2	78	0.1	--
L2S 02+00 E	201	21	1	2	115	0.1	--
L2S 02+25 E	201	47	1	6	90	0.1	--
L2S 02+50 E	201	38	1	4	112	0.1	--
L2S 02+75 E	201	32	1	4	83	0.1	--
L2S 03+00 E	201	16	1	10	102	0.1	--
L2S 03+25 E	201	12	1	3	59	0.1	--
L2S 03+50 E	201	10	1	1	66	0.1	--
L2S 03+75 E	201	17	1	5	120	0.2	--

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DATE : 29-AUG-81
P.O. # : S6809
M508

CC K.E. NORTHCOTE

PYTHON

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
LO 00+25 W	201	28	6	5	830	0.1	--
LO 00+50 W	201	23	4	6	670	0.1	--
LO 00+75 W	201	19	3	6	380	0.3	--
LO 01+00 W	201	25	2	6	275	0.1	--
LO 01+25 W	201	23	1	5	298	0.8	--
LO 01+50 W	201	24	2	5	168	0.1	--
LO 01+75 W	201	26	1	8	265	0.1	--
LO 02+00 W	201	25	1	5	185	0.1	--
LO 02+25 W	201	16	2	4	210	0.1	--
LO 02+50 W	201	12	2	6	190	0.1	--
LO 02+75 W	201	18	3	7	295	0.2	--
LO 03+00 W	201	18	3	5	410	0.1	--
LO 03+25 W	201	32	2	6	300	0.1	--
LO 03+50 W	201	14	1	2	258	0.1	--
LO 03+75 W	201	24	5	4	395	0.5	--
LO 04+00 W	201	17	2	4	190	0.1	--
LO 04+25 W	201	17	3	4	154	0.1	--
LO 04+50 W	201	22	2	5	210	0.1	--
LO 04+75 W	201	14	1	5	205	0.1	--
LO 05+00 W	201	16	1	2	138	0.1	--
LO 05+25 W	201	13	1	6	100	0.1	--
LO 05+50 W	201	13	1	4	194	0.1	--
LO 05+75 W	201	15	1	5	120	0.1	--
LO 06+00 W	201	15	1	5	105	0.1	--
LO 06+25 W	201	13	1	5	120	0.1	--
LO 06+50 W	201	19	1	3	100	0.6	--
LO 06+75 W	201	19	1	4	100	0.2	--
LO 07+00 W	201	17	1	2	120	0.2	--
LO 07+25 W	201	13	1	5	105	0.1	--
LO 07+50 W	201	12	1	3	135	0.1	--
LO 07+75 W	201	14	1	5	172	0.2	--
LO 08+00 W	201	13	1	4	141	0.2	--
LO 08+25 W	201	13	1	4	110	0.1	--
LO 08+50 W	201	23	1	5	155	0.1	--
LO 08+75 W	201	14	1	3	145	0.2	--
LO 09+00 W	201	13	1	4	130	0.1	--
LO 09+25 W	201	14	1	3	68	0.1	--
LO 09+50 W	201	13	1	4	113	0.1	--
LO 09+75 W	201	15	1	4	85	0.1	--
LO 10+00 W	201	11	1	4	72	0.1	--

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V6C 2G8

CERT. # : A8113391-001-A
INVOICE # : 18113391
DATE : 29-AUG-81
P.O. # : S6809
M508

CC K.E. NORTHCOTE

PYTHON

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
LO 00+25 E	201	14	3	7	315	0.1	--
LO 00+50 E	201	29	2	6	92	0.1	--
LO 00+75 E	201	14	1	4	150	0.1	--
LO 01+00 E	201	10	2	8	138	0.1	--
LO 01+25 E	201	15	5	44	350	0.1	--
LO 01+50 E	201	10	2	13	264	0.1	--
LO 01+75 E	201	10	2	5	225	0.2	--
LO 02+00 E	201	29	7	4	280	0.1	--
LO 02+25 E	201	21	6	6	335	0.1	--
LO 02+50 E	201	21	10	7	229	0.3	--
LO 02+75 E	201	18	2	10	182	0.1	--
LO 03+00 E	201	24	5	6	150	0.1	--
'0 03+25 E	201	26	6	6	180	0.1	--
J 03+50 E	201	13	2	5	95	0.1	--
LO 03+75 E	201	14	1	6	70	0.1	--
LO 04+00 E	201	11	2	8	80	0.1	--
LO 04+25 E	201	20	1	6	55	0.1	--
LO 04+50 E	201	14	2	5	78	0.1	--
LO 04+75 E	201	41	5	9	245	0.6	--
LO 05+00 E	201	47	1	6	150	0.8	--
LO 05+25 E	201	18	1	6	58	0.2	--
LO 05+50 E	201	14	1	7	88	0.2	--
LO 05+75 E	201	14	3	5	158	0.1	--
LO 06+00 E	201	18	8	6	315	0.1	--
LO 06+25 E	201	13	2	2	188	0.1	--
LO 06+50 E	201	11	2	3	115	0.1	--
LO 06+75 E	201	29	7	4	158	0.1	--
LO 07+00 E	201	30	18	5	285	0.1	--
LO 07+25 E	201	34	5	5	382	0.1	--
LO 07+50 E	201	42	7	5	310	0.1	--
LO 07+75 E	201	22	3	4	338	0.4	--
LO 08+00 E	201	26	2	3	125	0.1	--
LO 08+25 E	201	28	5	3	200	0.3	--
LO 08+50 E	201	17	2	2	110	0.1	--
LO 08+75 E	201	17	5	5	210	0.1	--
LO 09+00 E	201	16	3	2	155	0.1	--
LO 09+25 E	201	11	1	6	105	0.1	--
'0 09+50 E	201	10	2	3	104	0.1	--
J 09+75 E	201	15	1	4	120	0.1	--
LO 10+00 E	201	31	3	6	145	0.1	--

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113391-007-A
INVOICE # : 18113391
DATE : 29-AUG-81
P.O. # : S6809
M508

PYTHON

CC K.E. NORTHCGIE

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
L1S 09+25 W	201	43	1	5	153	0.4	--
L1S 10+00 W	201	19	1	8	95	0.6	--
PL1N 00+25 W	201	17	1	6	115	0.8	--
PL1N 00+50 W	201	15	1	6	78	0.2	--
PL1N 00+75 W	201	23	1	6	156	0.5	--
PL1N 01+00 W	201	14	1	6	205	0.3	--
PL1N 01+25 W	201	27	1	5	255	0.2	--
PL1N 01+50 W	201	23	1	6	300	0.4	--
<hr/>							
PBL 0+00S	201	34	11	4	750	0.1	--
PBL 0+25S	201	28	5	6	320	0.1	--
PBL 0+50S	201	25	2	13	140	0.1	--
PBL 0+75S	201	17	1	20	232	0.1	--
PBL 1+00S	201	25	7	4	260	0.4	--
PBL 1+25S	201	9	3	4	85	0.1	--
PBL 1+50S	201	15	2	3	88	0.1	--
PBL 1+75S	201	20	4	3	138	0.1	--
PBL 2+00S	201	10	6	5	168	0.1	--
PBL 0+25N	201	29	10	6	850	0.1	--
PBL 0+50N	201	60	13	10	1150	0.8	--
PBL 0+75N	201	25	4	4	355	0.6	--
PBL 1+00N	201	24	3	6	251	0.4	--
PL1N 0+25E	201	12	2	4	168	0.2	--
PL1N 0+50E	201	25	6	7	380	0.1	--
PL1N 0+75E	201	24	5	4	425	0.4	--
PL1N 1+00E	201	21	4	4	356	0.4	--
PL1N 1+25E	201	23	7	8	800	0.3	--
PL1N 1+50E	201	23	7	5	525	0.2	--
PL1N 1+75E	201	20	3	8	300	0.2	--
PL1N 2+00E	201	24	4	4	205	0.1	--
PL1N 2+25E	201	17	2	2	210	0.1	--
PL1N 2+50E	201	14	2	2	150	0.1	--
PL1N 2+75E	201	13	1	5	185	0.1	--
PL1N 3+00E	201	14	2	3	135	0.1	--

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TELEX 043-62591

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113392-001-A
INVOICE # : I8113392
DATE : 30-AUG-81
P.O. # : 56809
M508

PYTHON

VCC. KR. NORTHCOTE & ASSOC. 2346 ASHTON, AGASSIZ BC V0M 1A0

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
PL 1 N 1+75 W	201	16	1	9	180	0.2
PL 1 N 2+00 W	201	27	1	5	278	0.3
PL 1 N 2+25 W	201	26	1	6	213	0.4
PL 1 N 2+50 W	201	22	1	10	400	0.1
PL 1 N 2+75 W	201	16	1	8	250	0.2
PL 1 N 3+00 W	201	16	1	6	185	0.1
PL 1 N 3+25 W	201	14	1	6	168	0.2
PL 1 N 3+50 W	201	10	1	10	120	0.1
PL 1 N 3+75 W	201	22	1	6	103	0.1
PL 1 N 4+00 W	201	15	1	5	134	0.1
PL 1 N 4+25 W	201	13	1	5	112	0.1
PL 1 N 4+50 W	201	19	1	5	100	0.2
PL 1 N 4+75 W	201	11	1	6	88	0.1
PL 1 N 5+00 W	201	11	1	7	73	0.1
PL 1 N 5+25 W	201	11	1	5	88	0.1
PL 1 N 5+50 W	201	27	1	14	260	0.2
PL 1 N 5+75 W	201	20	1	10	110	0.1
PL 1 N 6+00 W	201	17	1	7	106	0.1
PL 1 N 6+25 W	201	18	1	5	160	0.1
PL 1 N 6+50 W	201	13	1	7	100	0.1
PL 1 N 6+75 W	201	14	1	3	73	0.1
PL 1 N 7+00 W	203	16	1	7	66	2.7
PL 1 N 7+25 W	201	15	1	5	80	0.2
PL 1 N 7+50 W	201	20	1	2	90	0.1
PL 1 N 7+75 W	201	11	1	6	65	0.1
PL 1 N 8+00 W	201	14	1	6	70	0.1
PL 1 N 8+25 W	201	15	1	6	82	0.1
PL 1 N 8+50 W	201	19	1	6	90	0.3
PL 1 N 8+75 W	201	13	1	5	83	0.1
PL 1 N 9+00 W	201	24	1	6	145	0.1
PL 1 N 9+25 W	201	26	1	8	112	0.7
PL 1 N 9+50 W	201	18	1	8	86	0.1
PL 1 N 9+75 W	201	19	1	25	86	0.1
PL 1 N 10+00 W	201	23	1	6	85	0.1
PL 1 N 10+25 W	201	19	1	6	93	0.1
PL 1 N 10+50 W	201	18	1	8	96	0.1

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TELEX 64-51279

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113393-004-A
INVOICE # : 18113393
DATE : 29-AUG-81
P.O. # : 56808
M508

PYTHON

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
PL IN 3+25E	203	9	29	1	14	0.1	--
PL IN 3+50E	201	13	5	7	174	0.1	--
PL IN 3+75E	201	2	2	4	134	0.1	--
PL IN 4+00E	201	27	4	5	283	0.1	--
PL IN 4+25E	201	48	8	2	156	0.1	--
PL IN 4+50E	201	21	5	4	215	0.1	--
PL IN 4+75E	201	18	6	5	245	0.1	--
PL IN 5+00E	201	24	4	5	245	0.1	--
PL IN 5+25E	201	13	1	6	165	0.1	--
PL IN 5+50E	201	19	1	5	230	0.1	--
PL IN 5+75E	201	11	1	6	115	0.1	--
PL IN 6+00E	201	15	5	3	170	0.1	--
PL IN 6+25E	201	14	1	4	150	0.1	--
PL IN 6+75E	201	10	1	5	140	0.1	--
PL IN 7+00E	201	13	4	2	154	0.1	--
PL IN 7+25E	201	15	5	10	122	0.1	--
PL IN 7+50E	201	17	2	6	124	0.1	--
PL IN 7+75E	201	14	4	6	96	0.1	--
PL IN 8+00E	201	23	5	4	130	0.1	--
PL IN 8+25E	201	17	5	5	132	0.1	--
PL IN 8+50E	201	11	3	6	170	0.1	--
PL IN 8+75E	201	16	1	4	158	0.1	--
PL IN 9+00E	201	12	1	6	182	0.2	--
PL IN 9+25E	201	15	5	6	155	0.5	--
PL IN 9+50E	201	17	4	5	130	0.2	--
PL IN 9+75E	201	26	5	4	176	0.1	--
PL IN 10+00E	201	17	2	4	150	0.1	--
PYTHON 01	201	74	2	32	268	0.1	--
PYTHON 02	201	34	1	5	200	0.1	--
PYTHON 03	201	51	1	5	179	0.1	--
PYTHON 04	201	31	1	6	154	0.1	--
PYTHON 05	201	61	1	16	106	0.1	--
PYTHON 06	201	36	1	7	138	0.1	--
PYTHON 07	201	23	1	6	185	0.1	--
PYTHON 08	201	15	1	3	128	0.1	--
PYTHON 09	201	39	1	5	135	0.1	--
PYTHON 10	201	13	1	5	110	0.1	--
PYTHON 11	201	19	1	7	135	0.1	--
PYTHON 12	201	28	1	5	143	0.1	--

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113392-002-A
INVOICE # : I8113392
DATE : 30-AUG-81
P.O. # : 56809
M508

NAUTICAL

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
NAUT A-22-S	201	14	--	9	300	0.1	--
NAUT A-24-S	201	19	--	5	133	0.1	--
NAUT A-26-S	201	12	--	4	195	0.1	--
NAUT A-28-S	201	14	--	5	120	0.1	--
NAUT A-32-S	201	36	--	7	124	0.2	--
NAUT A-34-S	201	40	--	8	148	0.4	--
NAUT A-36-S	201	25	--	12	110	0.2	--
NAUT A-38-S	201	23	--	6	110	0.3	--
M508 A-0 NAUT	201	15	--	6	130	0.1	--
NAUT A-40-S	201	23	--	9	93	0.1	--
NAUT A-02-N	201	11	--	6	210	0.1	--
NAUT A-04-N	201	11	--	8	65	0.1	--
NAUT A-06-N	201	22	--	6	102	0.2	--
NAUT A-08-N	201	12	--	6	108	0.1	--
NAUT A-10-N	201	17	--	10	110	0.1	--
NAUT A-12-N	201	38	--	7	81	0.6	--
NAUT A-02-S	201	6	--	6	50	0.1	--
NAUT A-04-S	201	23	--	6	88	0.1	--
NAUT A-06-S	201	27	--	7	76	0.1	--
NAUT A-08-S	201	21	--	5	88	0.1	--
NAUT A-10-S	201	13	--	9	96	0.1	--
NAUT A-12-S	201	15	--	3	78	0.1	--
NAUT B-01-N	201	20	--	4	102	0.2	--
NAUT B-03-N	201	18	--	6	140	0.4	--
NAUT B-05-N	201	15	--	5	145	0.3	--
NAUT B-07-N	201	21	--	8	108	0.1	--
NAUT B-09-N	201	15	--	6	82	0.3	--
NAUT B-11-N	201	13	--	5	170	0.2	--
NAUT B-01-S	201	22	--	6	105	0.2	--
NAUT B-03-S	201	10	--	6	100	0.4	--
NAUT B-05-S	201	22	--	7	100	0.2	--
NAUT B-07-S	201	13	--	8	140	0.1	--
NAUT B-09-S	201	21	--	6	200	0.1	--
NAUT B-11-S	201	20	--	8	128	0.1	--
NAUT B-13-S	201	22	--	5	82	0.4	--
NAUT B-15-S	201	14	--	12	75	0.2	--
NAUT B-17-S	201	22	--	8	74	0.1	--
NAUT B-19-S	201	26	--	2	130	0.3	--
NAUT B-21-S	201	14	--	4	255	0.5	--
NAUT B-23-S	201	17	--	4	120	0.1	--

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113392-003-A
INVOICE # : I8113392
DATE : 30-AUG-81
P.O. # : 56809
M508

NAUTICAL

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
NAUT B-25-S	201	27	--	6	190	0.4	--
NAUT B-27-S	201	19	--	2	135	0.2	--
NAUT B-29-S	201	21	--	5	85	0.5	--
NAUT B-31-S	201	13	--	4	86	0.2	--
NAUT B-33-S	201	17	--	5	90	0.1	--
NAUT B-35-S	201	22	--	5	112	0.3	--
NAUT B-37-S	201	14	--	2	75	0.3	--
NAUT B-39-S	201	15	--	2	155	0.3	--
NAUT A-14-S	201	17	--	5	56	0.1	--
NAUT A-16-S	201	22	--	8	62	0.1	--
NAUT A-18-S	201	14	--	8	164	0.1	--
NAUT A-20-S	201	18	--	8	220	0.1	--

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TELEX 543-5551

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113393-005-A
INVOICE # : I8113393
DATE : 29-AUG-81
P.O. # : 56808
M508

GYPSY

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
508G 0+14E 3+50S	201	26	--	1	18	0.1
508G 0+14E 4+00S	201	15	--	1	8	0.1
508G 0+14E 4+50S	201	16	--	1	8	0.1
508G 0+14E 5+00S	201	23	--	1	11	0.1
508G 0+14E 6+50S	201	17	--	1	12	0.1
508G 0+14E 6+75S	201	22	--	5	72	0.1
508G 0+14E 7+00S	201	21	--	2	84	0.1
508G 0+14E 7+25S	201	19	--	4	54	0.1
508G 0+14E 7+50S	201	19	--	6	80	0.1
508G 0+14E 7+75S	201	16	--	5	66	0.1
508G 0+14E 8+00S	201	20	--	5	63	0.1
508G 0+14E 0+25N	201	11	--	2	52	0.1
508G 0+14E 0+50N	201	45	--	3	70	0.1
508G 0+14E 0+75N	201	14	--	3	42	0.1
508G 0+14E 1+00N	201	15	--	1	50	0.1
508G 0+14E 1+25N	201	13	--	2	56	0.1
508G 0+14E 1+50N	201	32	--	6	51	0.1
508G 0+14E 1+75N	203	31	--	1	12	0.1
508G 0+14E 2+00N	201	8	--	9	140	0.1
508G 0+14E 2+25N	201	75	--	5	125	0.1
508G 0+14E 2+50N	201	70	--	7	116	0.1
508G 0+14E 2+75N	201	30	--	9	82	0.1
508G 0+14E 3+00N	201	12	--	7	118	0.1
508G 0+14E 3+25N	201	11	--	8	55	0.1
508G 0+14E 3+50N	201	7	--	9	72	0.1
508G 0+14E 3+75N	201	8	--	6	58	0.1
508G 0+14E 4+00N	201	7	--	7	60	0.1
508G 0+14E 4+25N	201	12	--	12	44	0.1
508G 0+14E 4+50N	201	7	--	8	75	0.1
508G 0+14E 4+75N	201	7	--	8	66	0.1
508G 0+14E 5+00N	201	9	--	9	65	0.1
508G 1E 0+25N	201	10	--	6	78	0.1
508G 1E 0+50N	201	14	--	5	72	0.1
508G 1E 0+75N	201	11	--	2	57	0.1
508G 1E 1+00N	201	12	--	1	70	0.1
508G 1E 1+25N	201	10	--	2	76	0.1
508G 1E 1+50N	201	14	--	1	62	0.1
508G 1E 1+75N	201	7	--	28	200	0.1
508G 1E 2+00N	201	9	--	12	104	0.1
508G 1E 2+25N	201	20	--	32	500	0.1

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113392-006-A
INVOICE # : I8113392
DATE : 30-AUG-81
P.O. # : 56809
M508
GYPSY

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
508G 1W 1+50N	201	85	--	2	10	0.1
508G 1W 1+75N	201	68	--	5	30	0.1
508G 1W 2+00N	201	20	--	10	112	0.1
508G 1W 2+25N	201	7	--	12	85	0.1
508G 1W 2+50N	201	32	--	7	105	0.9
508G 1W 2+75N	201	10	--	12	80	0.1
508G 1E 0+25S	201	12	--	3	57	0.1
508G 1E 0+50S	201	12	--	5	65	0.1
508G 1E 0+75S	201	11	--	3	50	0.1
508G 1E 1+00S	201	11	--	5	65	0.1
508G 1E 1+25S	201	14	--	5	50	0.1
508G 1E 1+50S	201	10	--	3	48	0.1
508G 1E 1+75S	201	10	--	4	50	0.1
508G 1E 2+00S	201	14	--	3	52	0.2
508G 1E 2+25S	201	29	--	3	92	0.1
508G 1E 2+50S	201	17	--	4	85	0.1
508G 1E 2+75S	201	16	--	5	90	0.1
508G 1E 3+00S	201	14	--	6	123	0.1
508G 2W 0+25S	201	70	--	8	130	0.1
508G 2W 0+50S	201	14	--	2	52	0.1
508G 2W 0+75S	201	13	--	2	58	0.1
508G 2W 1+00S	201	14	--	5	108	0.1
508G 2W 1+25S	201	13	--	6	95	0.1
508G 2W 1+50S	201	107	--	1	16	0.1
508G 2W 1+75S	201	14	--	5	75	0.1
508G 2W 2+00S	201	9	--	4	47	0.1
508G 2W 2+25S	201	10	--	6	70	0.1
508G 2W 2+50S	201	10	--	4	70	0.1
508G 2W 2+75S	201	14	--	5	85	0.1
508G 2W 3+00S	201	8	--	6	70	0.1
508G 2W 3+25S	203	18	--	8	29	0.1
508G 2W 7+00S	201	8	--	3	9	0.1
508G 2W 7+25S	201	8	--	6	75	0.1
508G 2W 7+50S	201	14	--	5	65	0.1
508G 2W 7+75S	201	17	--	5	56	0.1
508G 2W 8+00S	201	23	--	2	40	0.1
508G 1W 0+25S	201	14	--	3	83	0.1
508G 1W 0+50S	201	10	--	5	60	0.1
508G 1W 0+75S	201	11	--	6	51	0.1
508G 1W 1+00S	201	12	--	3	52	0.1

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CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113393-001-A
INVOICE # : I8113393
DATE : 29-AUG-81
P.O. # : 56808
M508
GYPSY

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
508G 1W 1+25S	201	15	--	5	45	0.1
508G 1W 1+50S	201	15	--	4	49	0.1
508G 1W 1+75S	201	11	--	4	43	0.3
508G 1W 2+00S	201	13	--	6	43	0.1
508G 1W 2+25S	201	13	--	4	50	0.1
508G 1W 2+75S	201	30	--	1	55	0.1
508G 1W 3+25S	201	10	--	1	28	0.1
508G 1W 3+75S	201	13	--	2	23	0.1
508G 1W 6+75S	201	10	--	2	20	0.1
508G 1W 7+00S	201	16	--	5	51	0.3
508G 1W 7+25S	201	16	--	7	55	0.1
508G 1W 7+50S	201	17	--	4	68	0.1
508G 1W 7+75S	201	23	--	5	48	0.1
508G 1W 8+00S	201	22	--	4	46	0.1
508G 2W 0+25N	201	20	--	9	62	0.1
508G 2W 0+50N	201	6	--	15	90	0.6
508G 2W 0+75N	201	42	--	3	24	0.2
508G 2W 1+00N	201	34	--	15	70	0.1
508G 2W 1+25N	201	32	--	19	81	0.8
508G 2W 1+50N	201	18	--	2	8	0.3
508G 2W 1+75N	201	6	--	1	25	0.1
508G 2W 2+25N	201	13	--	14	84	0.1
508G 2W 2+50N	201	12	--	14	73	0.3
508G 2W 2+75N	201	7	--	12	100	0.2
508G 2W 3+00N	201	8	--	8	110	0.1
508G 2E 0+25S	201	30	--	5	70	0.1
508G 2E 0+50S	201	22	--	6	58	0.1
508G 2E 0+75S	201	30	--	6	68	0.2
508G 2E 1+00S	201	22	--	7	46	0.1
508G 2E 1+25S	201	36	--	2	85	0.1
508G 2E 1+50S	201	15	--	1	70	0.1
508G 2E 1+75S	201	12	--	2	70	0.1
508G 2E 2+00S	201	14	--	5	52	0.2
508G 2E 2+25S	201	14	--	3	50	0.1
508G 2E 2+50S	201	15	--	3	60	0.1
508G 2E 2+75S	201	15	--	2	46	0.1
508G 2E 3+00S	201	13	--	5	52	0.2
508G 2E 0+25N	201	8	--	5	90	0.1
508G 2E 0+50N	201	12	--	7	72	0.1
508G 2E 0+75N	201	15	--	5	56	0.1

Certified by

Hank Biddle



ORLA LODE LTD.

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

NUMBER 1000000000
CANADA V7J 1C1
TELEPHONE (604)984-0211
TELEX 048-6289

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113393-002-A
INVOICE # : 18113393
DATE : 29-AUG-81
P.O. # : 56808
M508

GYPSY

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
508G 2E 1+00N	201	13	--	3	66	0.1
508G 2E 1+25N	201	14	--	4	55	0.1
508G 2E 2+00N	201	25	--	10	240	0.1
508G 2E 2+25N	201	7	--	22	155	0.1
508G 2E 2+50N	201	6	--	12	130	0.1
508G 2E 2+75N	201	8	--	18	65	0.1
508G 2E 3+00N	201	7	--	10	80	0.1
508G 3W 0+25S	201	8	--	18	114	0.1
508G 3W 0+50S	201	7	--	400	1300	1.0
508G 3W 0+75S	201	13	--	44	315	0.8
508G 3W 1+00S	201	19	--	31	168	0.1
508G 3W 1+25S	201	65	--	55	80	0.1
508G 3W 1+50S	201	135	--	57	68	0.1
508G 3W 1+75S	201	100	--	5	16	0.2
508G 3W 2+00S	201	28	--	2	39	0.1
508G 3W 2+25S	201	12	--	3	33	0.1
508G 3W 2+50S	201	12	--	4	86	0.1
508G 3W 2+75S	201	8	--	2	82	0.1
508G 3W 3+00S	201	9	--	3	88	0.1
508G 3W 3+25S	201	12	--	2	53	0.1
508G 3W 3+50S	201	6	--	4	86	0.1
508G 3W 3+75S	201	14	--	4	69	0.1
508G 3W 4+00S	201	11	--	3	75	0.1
508G 3W 4+25S	201	12	--	3	62	0.1
508G 3W 4+50S	201	11	--	4	50	0.1
508G 3W 4+75S	201	12	--	5	49	0.1
508G 3W 7+50S	201	20	--	1	58	0.1
508G 3W 7+75S	201	12	--	4	63	0.1
508G 3W 8+00S	201	23	--	5	53	0.1
508G 3W 0+25N	201	12	--	15	99	0.1
508G 3W 0+50N	201	12	--	6	74	0.1
508G 3W 0+75N	201	11	--	5	73	0.1
508G 3W 1+00N	201	9	--	5	90	0.1
508G 3W 1+25N	201	12	--	5	50	0.1
508G 3W 1+50N	201	10	--	8	80	0.1
508G 3W 1+75N	201	8	--	1	5	0.1
508G 3W 2+00N	201	14	--	1	6	0.1
508G 3W 2+25N	201	16	--	1	33	0.1
508G 3W 2+50N	201	15	--	15	68	0.1
508G 3W 2+75N	201	10	--	5	86	0.4

Certified by *Hart Biddle*

MEMBER
CANADIAN TESTING
ASSOCIATION

KELLOGG LABS LTD.

1000 - 11th Avenue S.E.
CALGARY, ALBERTA T2G 0C2
CANADA V7E 1C1
TELEPHONE (403) 264-1222
TELEX 643-5219

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113393-003-A
INVOICE # : I8113393
DATE : 29-AUG-81
P.O. # : 56808
M508

GYPSY

Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm
508G 3W 3+00N	201	18	--	17	116	0.1
508G 2E 1+50N	201	10	--	2	143	0.1
508G 2E 1+75N	201	75	--	6	42	0.3
508G BL 0+00	201	16	--	4	49	0.1
508G BL 0+25E	201	9	--	5	80	0.1
508G BL 0+50E	201	7	--	5	56	0.1
508G BL 0+75E	201	9	--	5	65	0.1
508G BL 1+00E	201	9	--	5	62	0.1
508G BL 1+25E	201	12	--	1	62	0.1
508G BL 1+50E	201	11	--	5	95	0.1
508G BL 1+75E	201	9	--	4	64	0.1
508G BL 2+00E	201	13	--	6	60	0.1
508G BL 0+25W	201	15	--	8	58	0.1
508G BL 0+50W	201	14	--	8	60	0.1
508G BL 0+75W	201	14	--	6	90	0.1
508G BL 1+00W	201	11	--	4	50	0.1
508G BL 1+25W	201	10	--	4	55	0.1
508G BL 1+50W	201	12	--	6	64	0.1
508G BL 1+75W	201	36	--	3	78	0.1
508G BL 2+00W	201	20	--	5	85	0.1
508G BL 2+25W	201	76	--	15	174	0.1
508G BL 2+50W	201	14	--	16	140	0.1
508G BL 2+75W	201	13	--	55	154	0.1
508G BL 3+00W	201	15	--	23	98	0.1
508G 1W 0+25N	201	12	--	3	63	0.1
508G 1W 0+50N	201	15	--	4	85	0.1
508G 1W 0+75N	201	14	--	4	50	0.1
508G 1W 1+00N	201	14	--	5	45	0.1
508G 1W 1+25N	201	41	--	2	16	0.1

Certified by *Hank Sieble*

MEMBER
CANADIAN TESTING
ASSOCIATION

CHEMEX LABS LTD.

• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

NORTH VANCOUVER, B.C.

CANADA

V7J 2C

TELEPHONE (604) 984-1211

TELEX

043-6264

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8113393-006-A
INVOICE # : I8113393
DATE : 29-AUG-81
P.O. # : 56808
M508
GYPSY

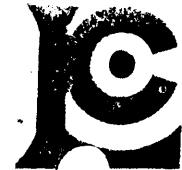
Sample description	Prep code	Cu ppm	Mo ppm	Pb ppm	Zn ppm	Ag ppm	
508G 1E 2+50N	201	15	--	22	300	0.1	--
508G 1E 2+75N	201	37	--	18	124	0.1	--
508G 1E 3+00N	201	13	--	5	120	0.1	--
/							
508G 0+14E 0+25S	201	14	--	3	49	0.1	--
508G 0+14E 0+50S	201	15	--	4	55	0.1	--
508G 0+14E 0+75S	201	14	--	4	56	0.1	--
508G 0+14E 1+00S	201	14	--	4	46	0.1	--
508G 0+14E 1+25S	201	11	--	7	63	0.1	--
508G 0+14E 1+50S	201	14	--	4	40	0.1	--
508G 0+14E 1+75S	201	12	--	2	46	0.1	--
508G 0+14E 2+00S	201	12	--	1	45	0.1	--
508G 0+14E 2+25S	201	11	--	4	57	0.1	--
508G 0+14E 2+50S	201	14	--	2	43	0.1	--
508G 0+14E 2+75S	201	14	--	5	53	0.1	--
508G 0+14E 3+00S	201	20	--	3	53	0.1	--
508G 0+14E 3+25S	201	36	--	4	64	0.1	--

Certified by *Hart Biddle*



MEMBER
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• ANALYTICAL CHEMISTS

• GEOCHEMISTS

• REGISTERED ASSAYERS

NORTH VANCOUVER, B.C.

CANADA

V7T 1C0

TELEPHONE (604) 544-0222

TELEX 045-5269

CERTIFICATE OF ANALYSIS

TO : CHEVRON STANDARD LIMITED
MINERALS STAFF
#901 - 355 BURRARD ST.
VANCOUVER, B.C.
V6C 2G8

CERT. # : A8114270-001-A
INVOICE # : 18114270
DATE : 06-OCT-81
P.O. # : S6809
GYPSY CLAIM

CC: K.E. NORTHCOTE - AGASSIZ, B.C.

Sample description	Prep code	Pb ppm	Zn ppm	AS ppm			
508G 3W 00+25S	214	9	103	4	--	--	--
508G 3W 00+50S	214	360	1300	30	--	--	--
508G 3W 00+75S	214	42	290	9	--	--	--
508G 3W 01+00S	214	25	180	32	--	--	--

Certified by *J.F. McPhay*



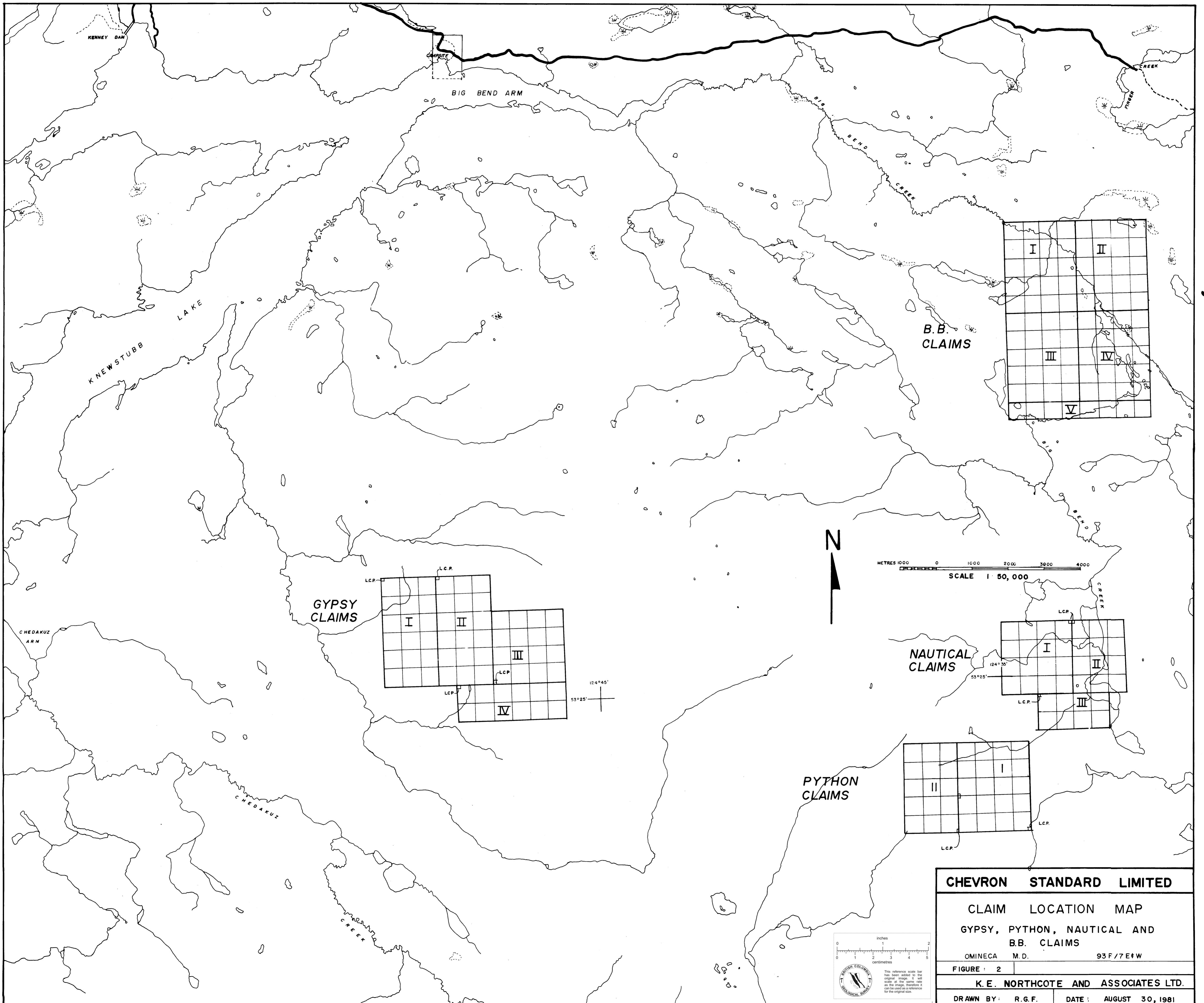
MEMBER
CANADIAN TESTING
ASSOCIATION

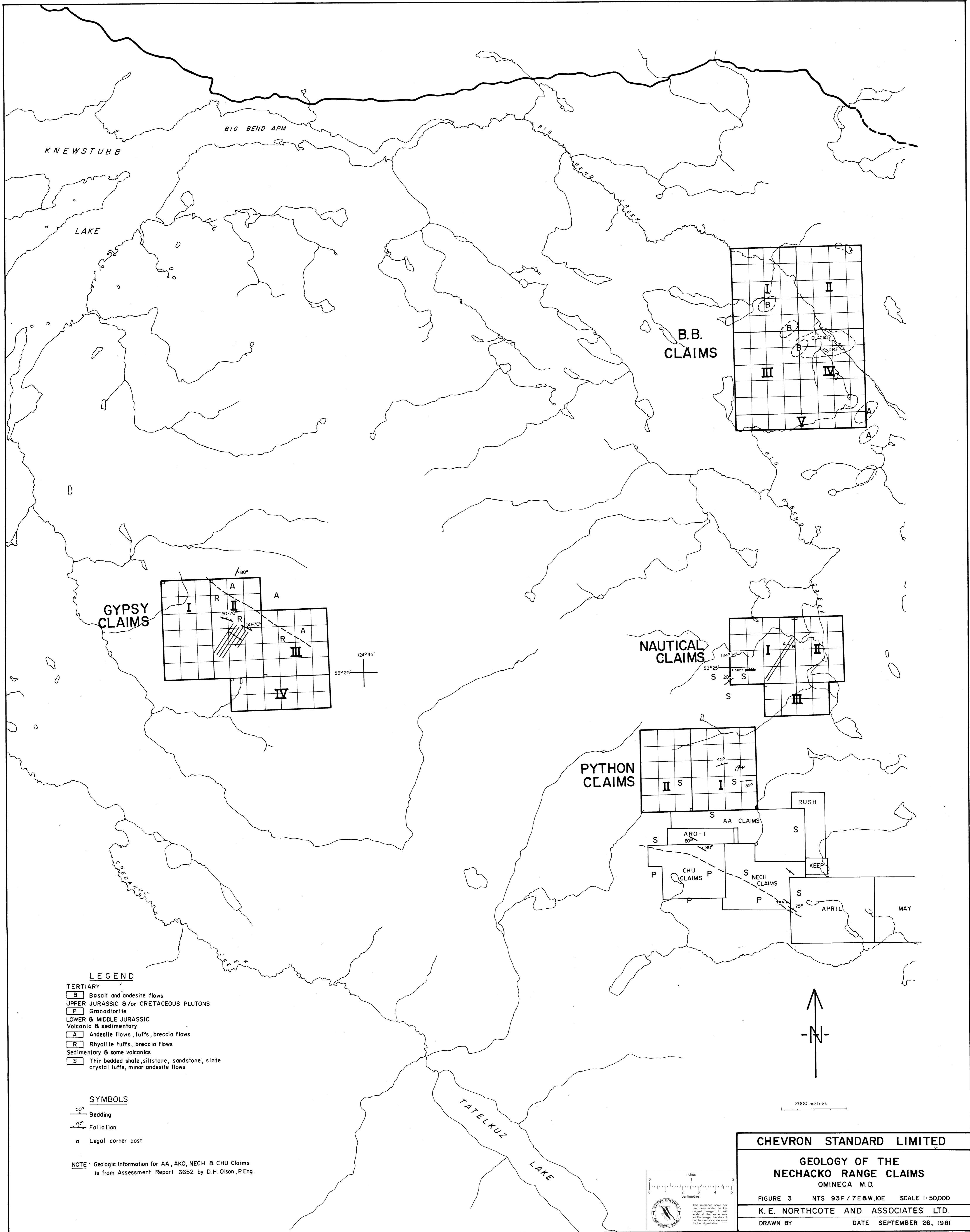
APPENDIX B

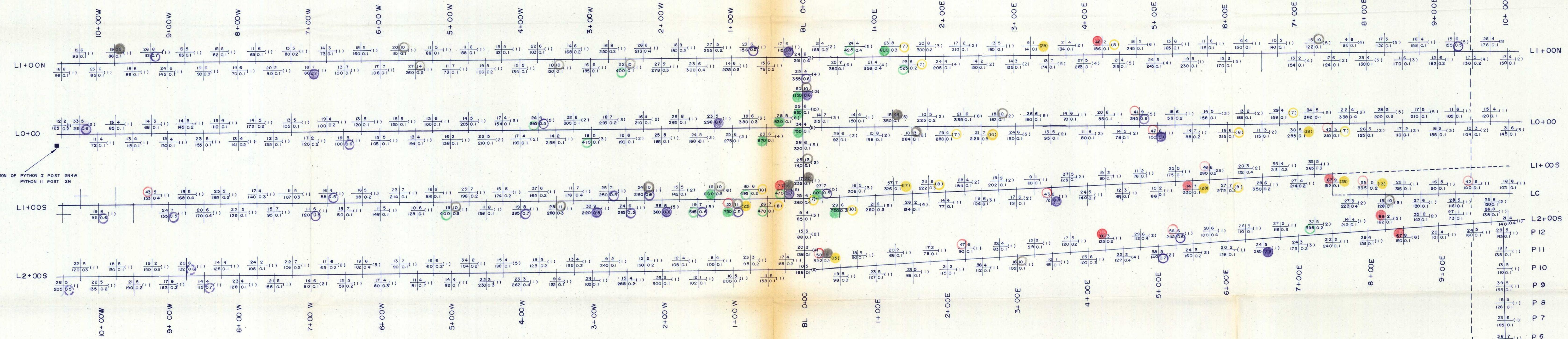
STATISTICAL TREATMENT OF GEOCHEMICAL DATA

APPENDIX C

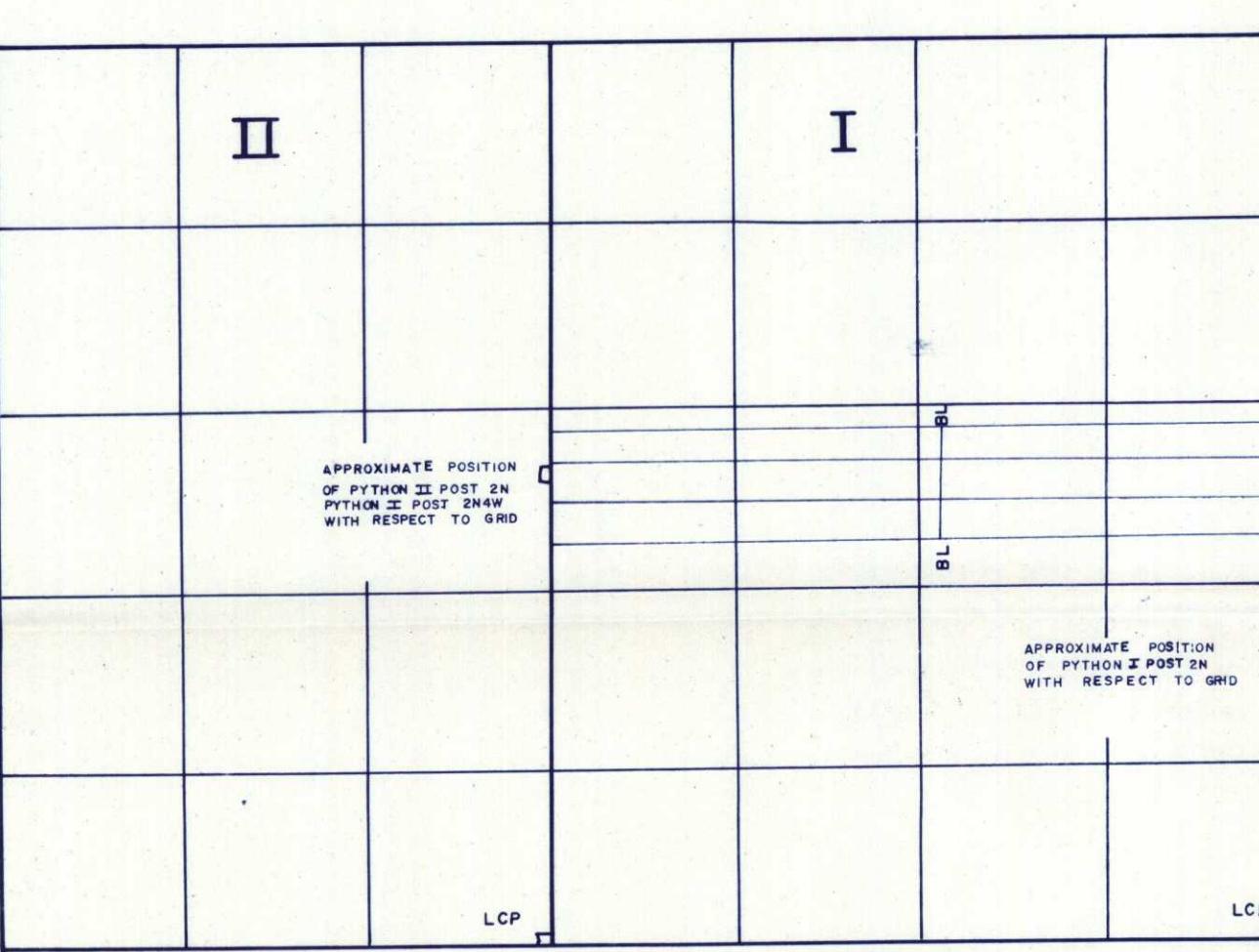
TIME BREAKDOWN PER CLAIM







SITUATION OF PYTHON II POST 2N		106 0.1
	31 6 (1)	P 4
	154 0.1	
	51 5 (1)	P 3
	179 0.1	
	34 5 (1)	P 2
	200 0.1	
	74 32 (2)	P 1
	268 0.1	



PYTHON CLAIMS GRID LOCATION

SCALE 1 : 20,000

500 m

CHEVRON STANDARD LIMITED

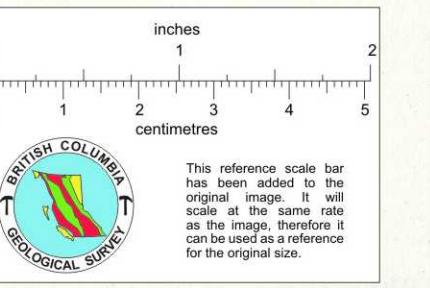
YTHON CLAIMS OIL GEOCHEMISTRY

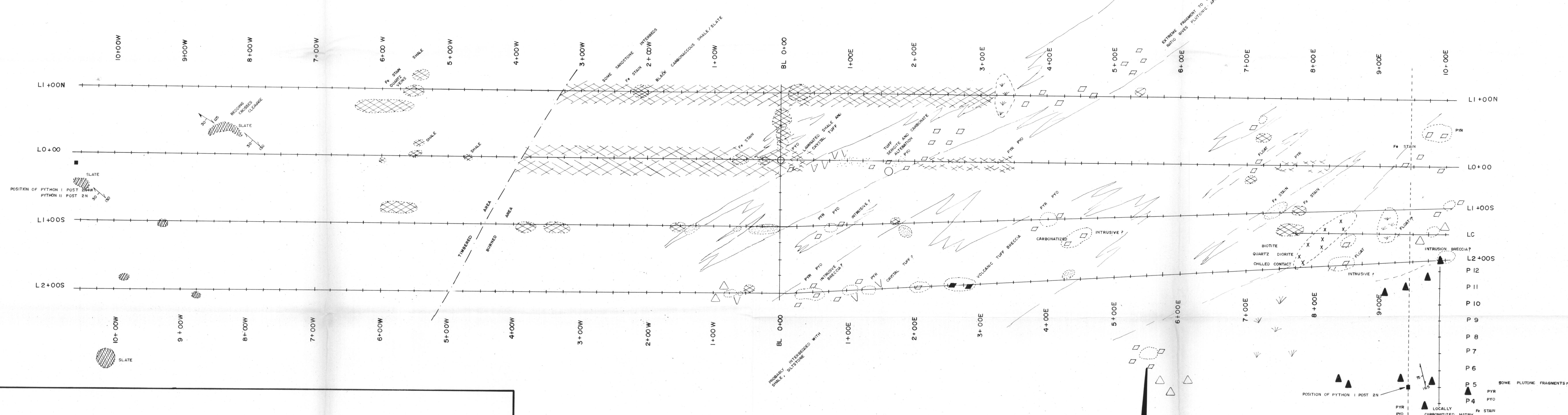
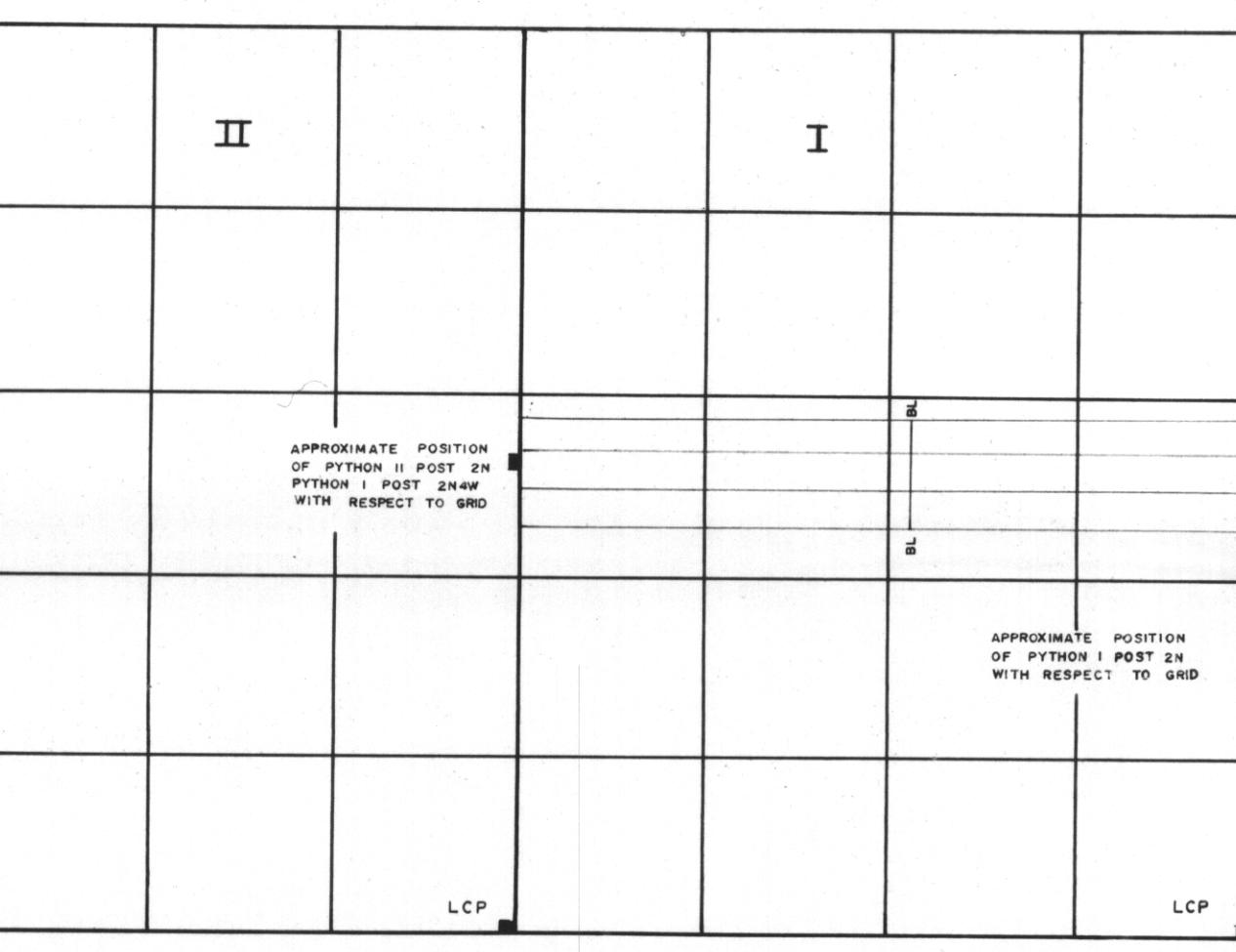
Pb Zn Ag and Mo

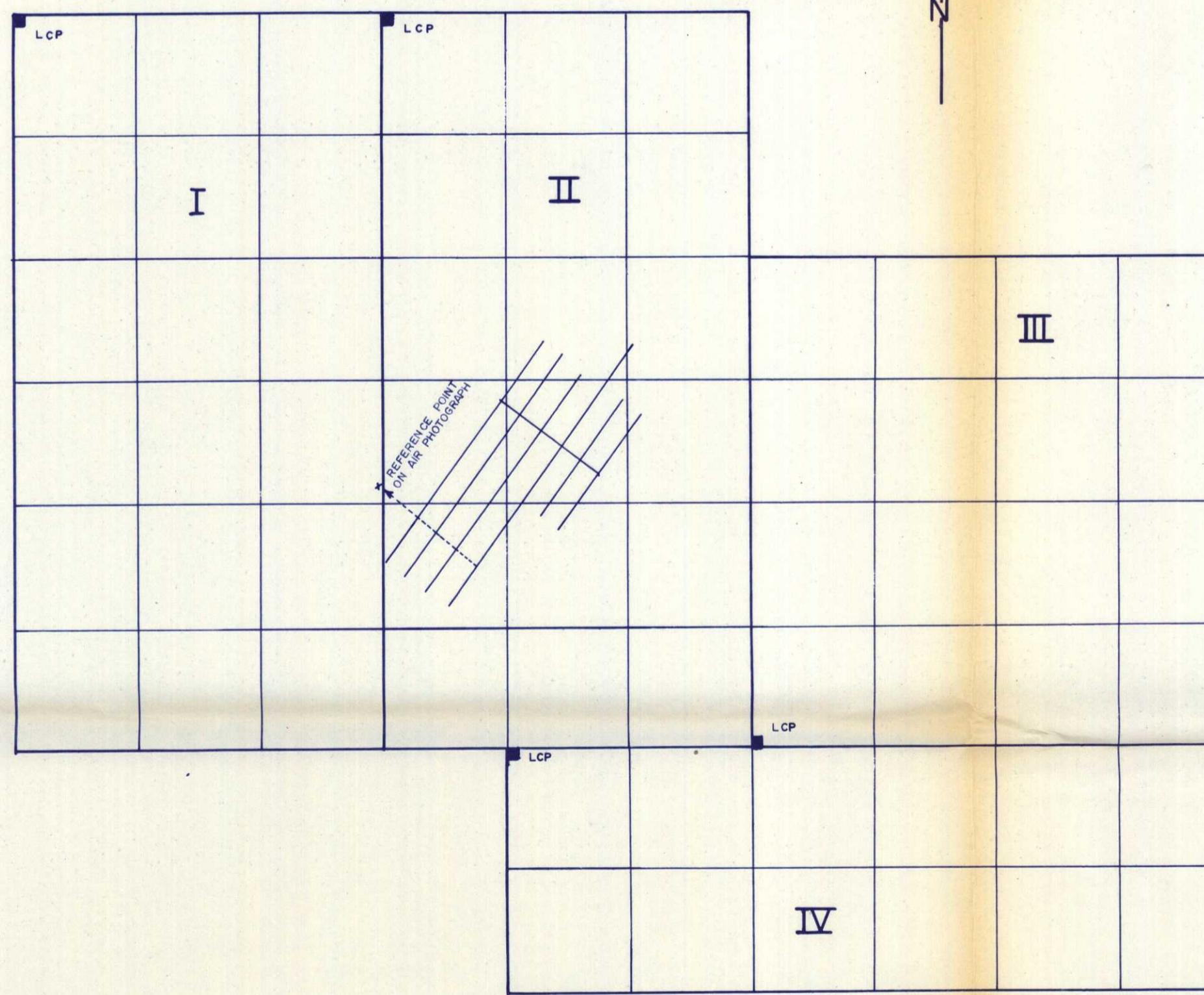
WISCONSIN AND ASSOCIATES LTD.

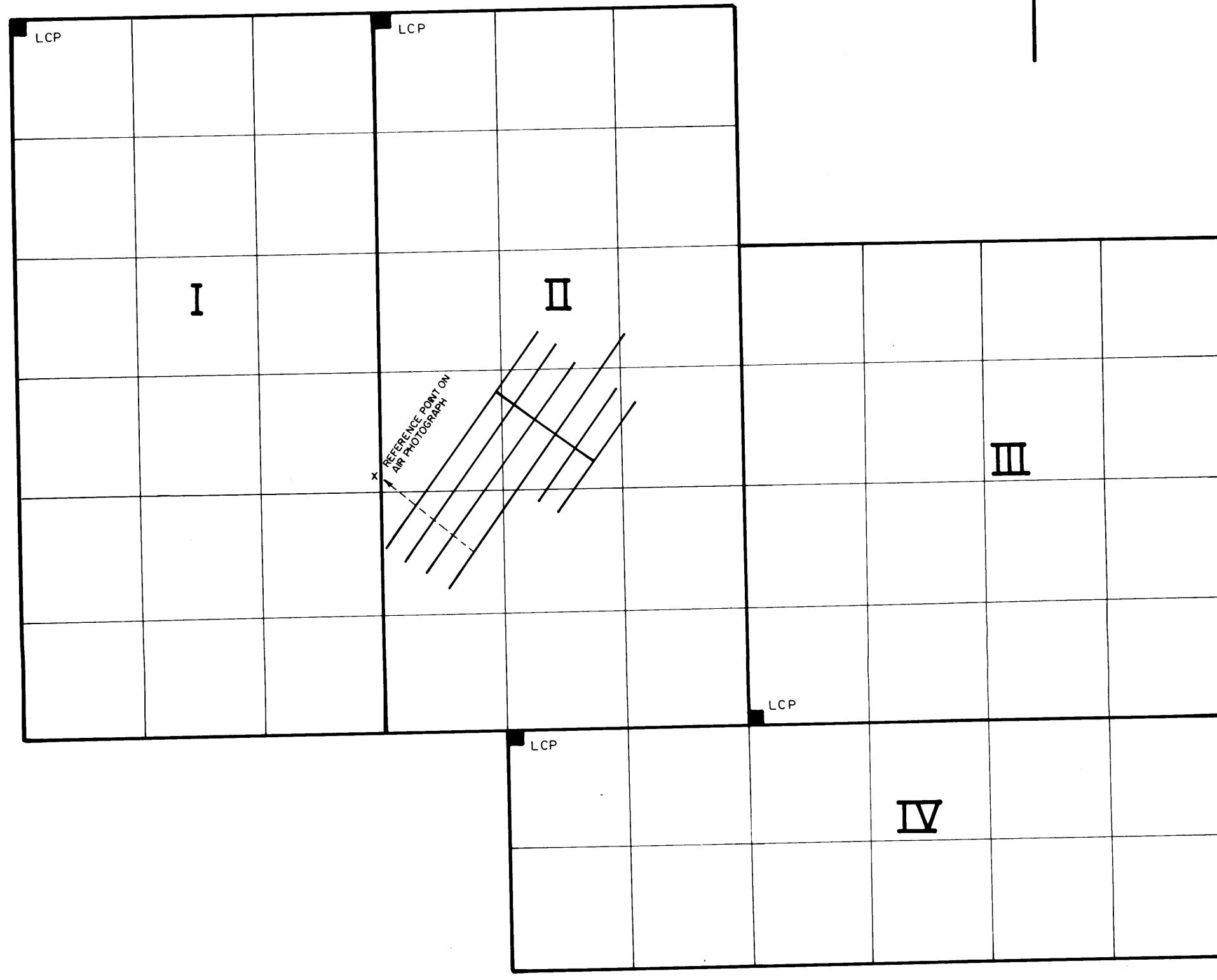
HCGTE AND ASSOCIATES LTD.

R.C.V. DATE SEPTEMBER 19, 1968

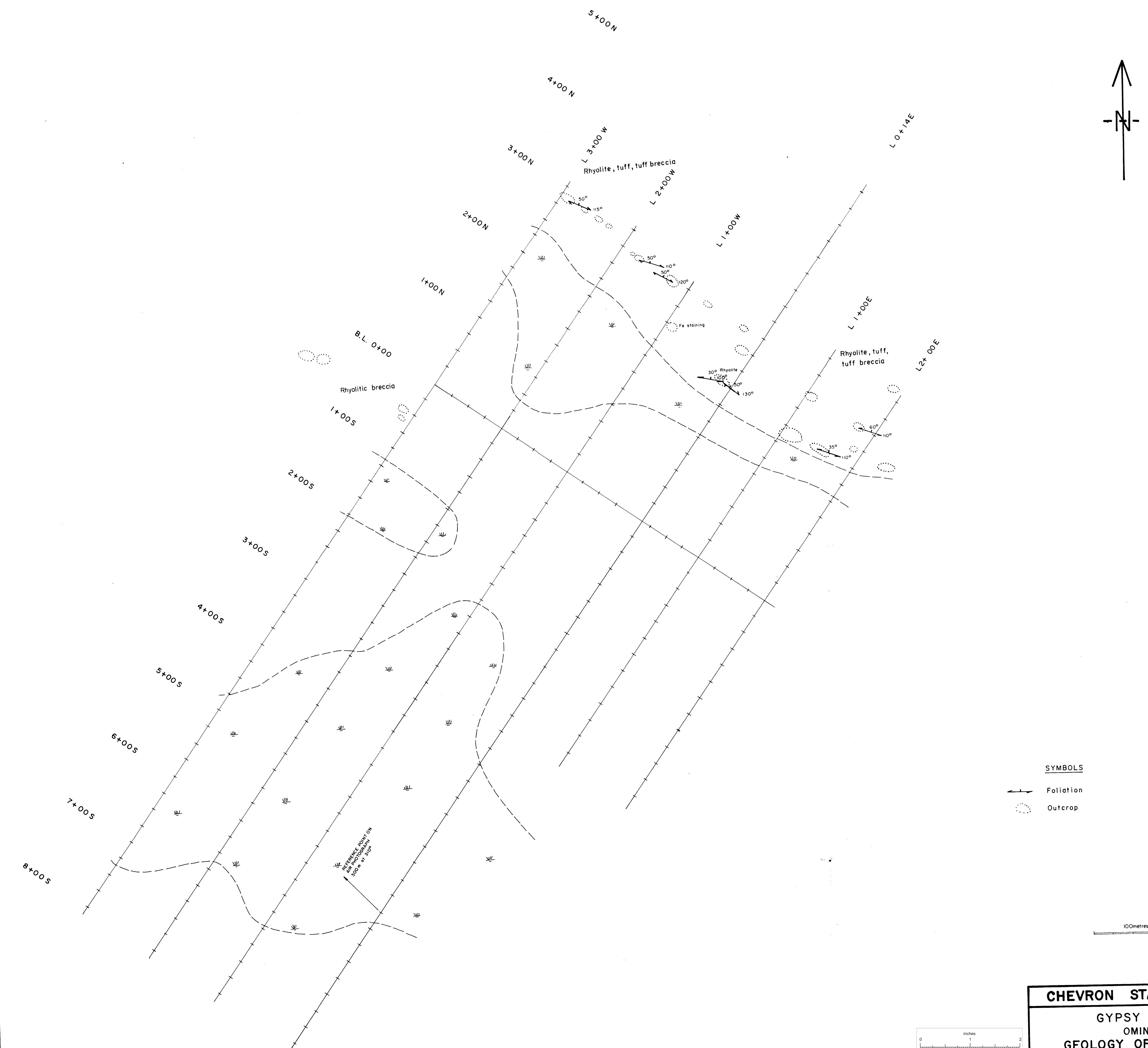






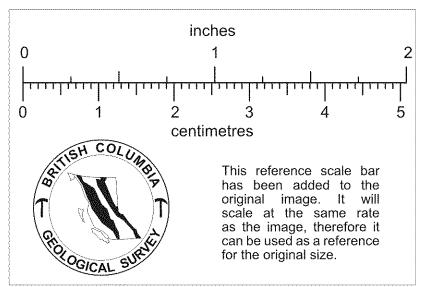


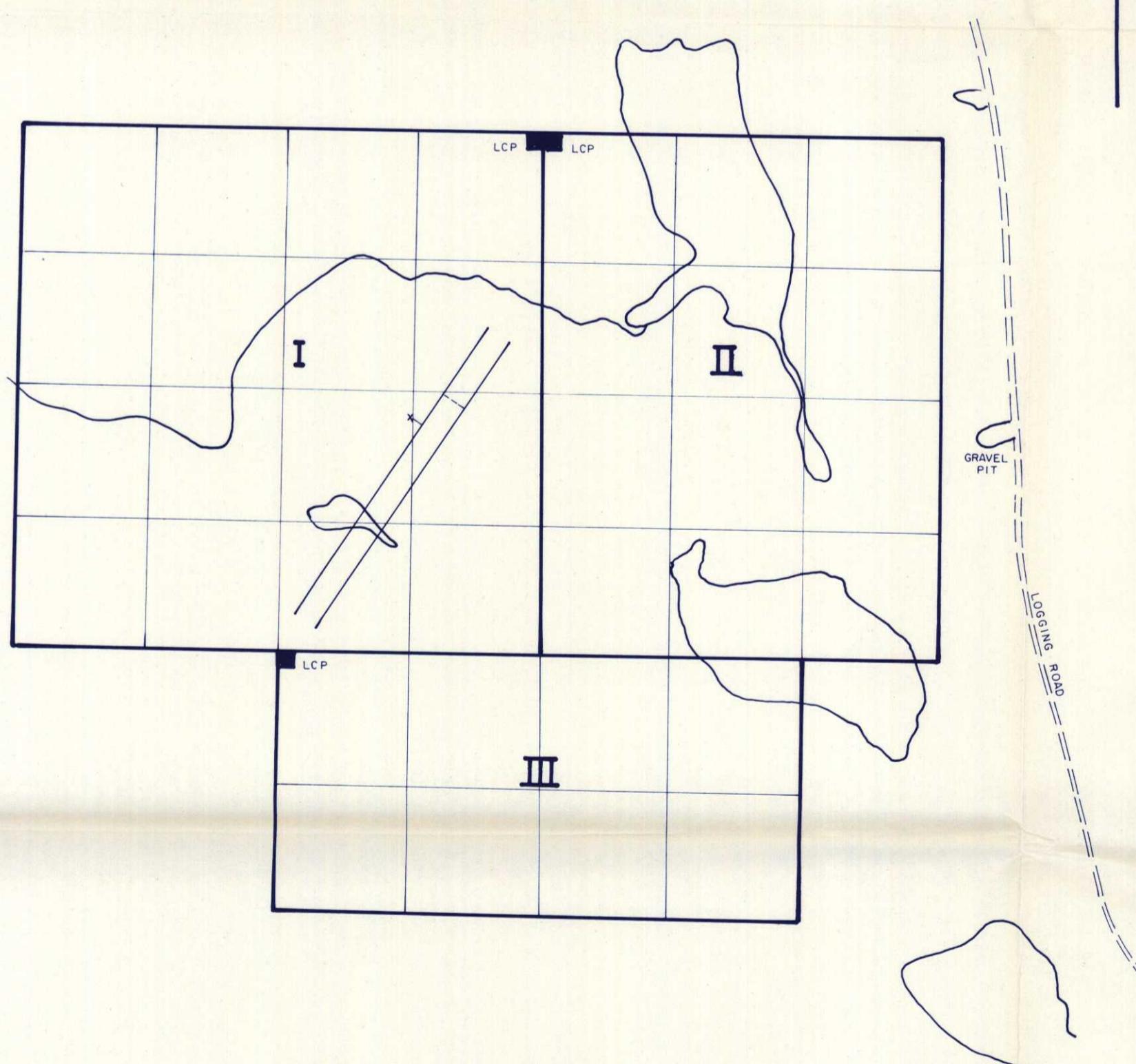
GYPSY CLAIMS GRID LOCATION



CHEVRON STANDARD LIMITED
GYPSY II CLAIM
OMINECA M.D.
GEOLOGY OF GYPSY GRID

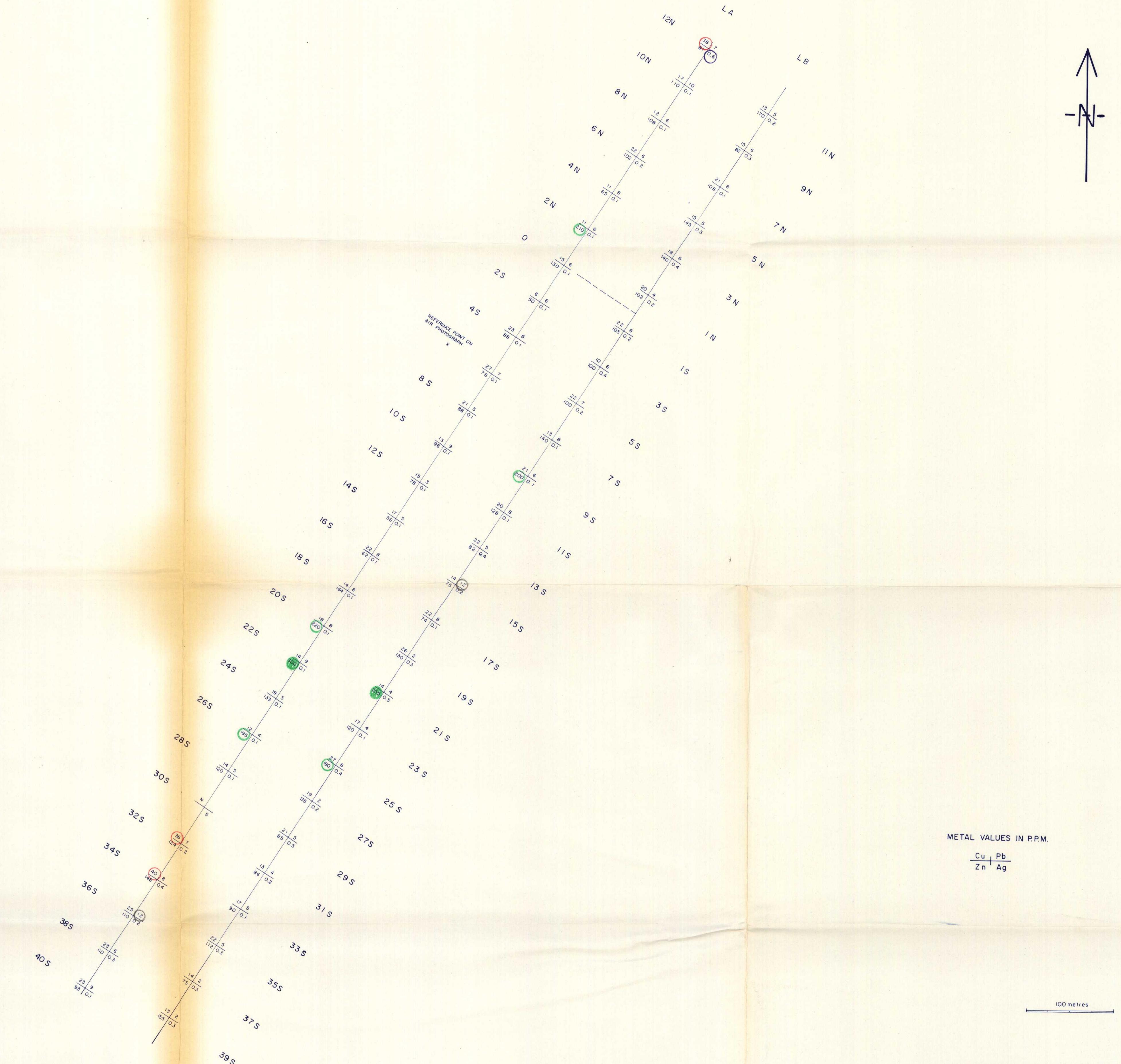
FIGURE 7 NTS 93F/7W SCALE 1:2500
K.E. NORTHCOTE AND ASSOCIATES LTD.
DRAWN BY DATE SEPTEMBER 10, 1981





NAUTICAL CLAIMS GRID LOCATION

SCALE 1:20,000
500 m



METAL VALUES IN P.P.M.

100 metres

CHEVRON STANDARD LIMITED

NAUTICAL CLAIMS
SOIL GEOCHEMISTRY
Cu , Pb , Zn & Ag

FIGURE 8 NTS 93F/7E SCALE 1:2500

K. E. NORTHCOTE AND ASSOCIATES LTD.

DRAWN BY DATE SEPTEMBER 26, 1981