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PELLY PROJECT: SUMMARY OF 1977 FIELD WORK

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

N.T.S. 105 - F, 105 - G

BY

P. M. DEAN

CYPRUS ANVIL MINING CORPORATION

MARCH 21, 1978.

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PELLEY PROJECT: SUMMARY OF 1977 FIELDWORK

INTRODUCTION

The Pelly Project was initiated in 1976 to carry out exploration for massive sulphide deposits in the Pelly Mountains of central Yukon. During the 1976 field season geochemical sampling, prospecting, and some geological mapping was completed over 700 square miles of favourable geologic terrain, resulting in the staking of five claim groups. Exploration during 1977 concentrated on the evaluation of these claim groups, along with geochemical reconnaissance of another 100 square miles. Three new claim groups were staked during 1977, and one was obtained by option, making a total of nine properties acquired by the Pelly Project during the 2 years. Diamond drilling on the MM property was carried out concurrently with the regional and property work.

This report summarizes the work carried out on the Pelly Project during the 1977 season, with emphasis on the regional aspects. Property exploration has been discussed in detail in individual claim group reports filed for assessment credit, and is not repeated here. Geologic mapping on claim groups and from regional work has been compiled onto maps at a scale of 1:50,000. A second set of maps at this same scale outlines claim group areas and known mineral showings, and a third set illustrates geochemical coverage. These three sets of maps summarize all work carried out by the Pelly Project up to now, and provide a base from which further work can be planned.

The 1977 Pelly Project cost \$307,731.26 in total to December 31, 1977, with the Pelly properties and regional work accounting for \$148,858.35 of this total and the MM drilling and mapping costing \$158,872.91.

... 2

CYPRUS ANVIL

Work planned for 1978 includes both property work and continuing regional investigations. Diamond drilling is proposed for the EROS claims, and geologic mapping and other surface work is recommended for the HOWRU and IGLE claim groups. Some geologic mapping at a detailed scale remains to be done on the MM/JJ and DD claim groups, and this work will be co-ordinated with the other Pelly property work. Regional work recommended includes extending the reconnaissance geochemical coverage over areas underlain by the Mississippian black shale unit northwest of the Lapie River onto the Tay River map sheet, and completing geologic mapping at 1:50,000 scale over the areas underlain by these shales and the coeval volcanics. This total program is approximately equivalent in scale to the work carried out during the 1977 season, but budget limitations require that only a portion of this work be done during the 1978 season. The budget allotted for the 1978 field work is \$50,000.

SUMMARY OF 1977 EXPLORATION

The following work was carried out by the Pelly Project during 1977:

1) Reconnaissance geochemical sampling was carried out over about 100 square miles of terrain underlain by Devonian to Mississippian age shales on the Finlayson Map Sheet.

2) Three new claim groups, the FOX, HOWRU, and IGLE were staked; the BID property was optioned; and 8 new claims were added to the ANISE claim group.

3) Line cutting was carried out to establish grids on the BNOB, CHZERPNOUGH, DD, EROS and BID claim groups.

4) Magnetic surveys were carried out on the ANISE, BNOB, CHZERPNOUGH, DD, EROS and BID claim groups.

5) Radem, C.E.M. and/or HEM electromagnetic surveys were carried out on all of the above claim groups. In addition, a Turam EM surveys was carried out on the ANISE claim group by Walcott & Associates.

6) Soil geochemical surveys were carried out on the DD, EROS, BID, HOWRU, and IGLE claim groups, and detailed fill-in samples were taken on the ANISE to close the sample spacing in anomalous areas.

7) Geologic mapping at a scale of 1" to 400' was done on the ANISE, BNOB, CHZERPNOUGH, and BID claim groups, at a scale of 1" to 1320' on the HOWRU claim group, and at a scale of 1:50,000 on certain regional areas on map sheets 105 F - 9 and 10 and on 105 G - 12.

8) Trenching with a D - 6 Cat was attempted on the ANISE and BID claim groups, but did not prove to be very useful.

TABLE I: SUMMARY OF CLAIM STATUS

<u>CLAIM GROUP</u>	<u>DUE DATE</u>	<u>EXPLORATION WORK 1976</u>	<u>EXPLORATION WORK 1977</u>	<u>RECOMMENDED WORK</u>
ANISE 1 - 72	October 26, 1980, 1981	Line Cutting, Geochem.	HEM, C.E.M. Radem and Turam EM; magnetometer survey; fill-in geochem, geologic mapping.	Approximately 2,000' of drilling in shallow holes to test anomalies.
BNOB 1 - 16	October 26, 1981	Geochem survey, Prospecting.	Line cutting, EM, magnetics, geologic mapping.	NONE
CHZERPNOUGH 1 - 20	November 10, 1981	Geochem survey, Prospecting.	Line cutting, EM, magnetics, geologic mapping.	NONE
DD 1 - 32	August 24, 1983	Reconnaissance geochem, (MM drill hole filed as assessment).	Line cutting, EM, magnetics, reconnaissance geochem.	NONE
EROS 1 - 8	November 23, 1981	Reconnaissance geochem, Geology (before staking)	Line cutting, EM, magnetics, grid geochemical survey.	Approximately 1000' of drilling in 2 or 3 holes.
FOX 1 - 6	July 15, 1978	Geochem, Prospecting (before staking)	NONE	NONE: allow claim group to lapse.
BID 1 - 24	May 19, 1980	not staked	Line cutting, EM, magnetics, Grid geochem, geologic mapping.	NONE: return claims to owners when option payment date is due in March 1978.
HOWRU 1 - 88	July 22, 1978, 1979	not staked	Prospecting, reconnaissance Geochem and geologic mapping	Detailed geologic mapping, geochem, and EM surveys to aid mapping.
IGLE 1 - 16	August 24, 1978	not staked	Prospecting, reconnaissance geochem (before staking).	Line cutting, geochem, EM.

REGIONAL GEOCHEMISTRY

Reconnaissance silt sample coverage was expanded in 1977 to include areas underlain by Mississippian black shales southeast of the HOWRU claims. In addition, more detailed regional sampling on contour lines was carried out over a large area around the HOWRU and extending northwest through the Ketzá River valleys, and in three smaller areas with anomalous silt results from the 1976 work. A total of 2347 regional geochemical samples were taken during 1977.

Results obtained from the new reconnaissance coverage (Figure 2 and 3) were disappointing. Only one anomaly was discovered, in the northwest corner of map sheet 105 G - 6, and it is a relatively weak one. These results would seem to indicate that the black shale formation in this area, which may be further from the main centres of volcanicism, does not contain the abundant base metal showings which characterize the unit further west. The one weak anomaly on 105 G - 6 was not investigated during this season, but will be prospected during the course of geologic mapping in 1978.

The major area of follow-up geochemical sampling surrounds the HOWRU claims and extends west through the area of abundant showings in the Ketzá River valley (Figure 4). Within this area known mineral occurrences include silver lead veins, shale hosted bedded pyrite with traces of lead and zinc, galena disseminated in sandstones, and copper veins. This abundance and diversity of mineralization is reflected in the widespread anomalies detected in our geochemical sampling.

Of the many anomalous areas evident in the Ketzá Valley-HOWRU area, some are clearly related to vein showings on the IONA SILVER claim groups, some are related to the showings on the HOWRU, and some are at present unexplained. The geochem on the IGLE claim group is partly explained by float occurrences of galena disseminated in sandstone, but some of the anomalous values arise higher up in the drainage where only black shales occur. The significance of many of the anomalous areas will become clearer when we complete our mapping through the Ketzá Valley next year.

A second area of detailed follow-up lies on map sheet 105 G - 5 in a heavily forested area west of McNeil Creek (Figure 5). Within this area the only outcrop lies in two creek canyons which enter McNeil Creek from the west, and both canyons cut through outcrops of highly pyritized Mississippian volcanics. Sampling within the northern creek canyon in 1976 detected sporadic lead anomalies in the slide debris on the creek banks, but careful prospecting failed to find any visible lead mineralization. Fault breccia zones heavily mineralized with pyrite and purple fluorite were discovered in the southern canyon during prospecting in 1977. The overburden covered area between these two canyons was investigated with a line of seepage and soil samples to search for continuations of these pyritic zones. The sampling did not detect any significant area of anomalous base metal values, although a few sporadic samples are weakly anomalous in lead or zinc.

The third area of follow-up geochemistry lies three miles southeast of the HOWRU claim group on the boundary of map sheets 105 G - 5 and G - 12 (Figure 6). High values in copper and zinc were obtained from silt samples collected from two small creeks in this area in 1976. The more thorough sampling of these drainages carried out this year duplicated the high values obtained last year, but failed to locate any anomalous source of metals upstream from the silt anomalies. This indicates that the high metal values in silts result from copper-zinc scavenging by iron hydroxide gossan material which has precipitated along the creek bed in several areas. This scavenging mechanism has been found to be the cause of several other copper-zinc anomalies in the Pelly Mountains. The complete lack of lead in these spurious anomalies is typical and provides a fairly reliable way of sorting them out from genuine ones.

A fourth small area of follow-up sampling was carried out on a tributary of Porcupine Creek (Figure 7), where a silt sample taken in 1976 was moderately anomalous in lead. The follow-up sampling did not detect any anomalous values in the creek drainage, and in fact failed to replicate the original anomalous sample.

With the exception of the Ketz Valley-HOWRU area, all areas investigated by the regional geochemical work carried out this year have been written off.

Within the HOWRU-Ketza Valley belt, much prospecting and mapping must be done before the various anomalies can be tied to mineralized showings or float. Little more can be accomplished in this area now by further geochemical sampling on a regional scale, but grid controlled soil sampling may prove to be useful on parts of the IGLE and HOWRU claim groups. The same comments apply to the Project area as a whole: all significant anomalies have been followed-up now, and are either staked or written off, and no further geochemical work within silt sampled areas would appear to be required. Of course, certain weak anomalies which have been disregarded up to now may be upgraded in importance as our knowledge of the geology improves.

The basic silt sampling coverage should be extended to the northwest during 1978 to cover the remaining areas of Mississippian black shales on map sheets 105 F and 105 K. These unsampled shales occur in a belt about 10 miles wide and 50 miles long, but the geology is sufficiently well known that geochemical sampling could be carried out quite selectively within this belt. About 1,000 samples would cover the shale portions of the belt with a reasonable density. The exploration merits of these shales are discussed in the geology section of the report. There are no other significant areas of Mississippian shales or volcanics within the Pelly Mountains which still require grassroots silt coverage.

GEOLOGY

In both the first two years of the Pelly Project, exploration was carried out under conditions of strong competition from other companies, and as a result rapid geochemical and prospecting coverage was emphasized at the expense of systematic geologic mapping. The main showings in the Pelly's have now been staked, there is little more prospecting or geochemical sampling that can be done, and the time has come for a more geological approach. The regional and property mapping that we have completed up to now has been compiled onto N.T.S. map sheets at a scale of 1:50,000, and it is clear that there are many large gaps in mapping coverage which must be filled. New mapping by the Geological Survey has now become available at a scale of 1:250,000, and this mapping, plus our own property work, adds considerably to our general knowledge of the distribution of various rock units, but the internal stratigraphy and

facies distributions within each unit is still mostly unknown.

Table II summarizes the types of mineral deposits and ages of host rocks which contain them in the Pelly Mountains. Rock units of all ages are mineralized to some extent, but the most significant styles of mineralization are restricted in this area to rock units of Devonian and Mississippian age. The lead-zinc-silver veins, which occur in formations of all ages, have a uniform silver-lead ratio, suggesting that they share a common origin. The Devonian-Mississippian formations have probably played an important role in the formation of these veins, with either the black shales or the volcanics acting as a source of metals. No veins occur in rocks younger than Mississippian. The distribution of the Devonian-Mississippian package is now generally known but the complexities of its internal stratigraphy and facies changes, and the stratigraphic and regional distribution of the mineral deposits it contains, has still not been determined.

It is proposed, therefore, that our exploration in the Pelly Mountains next season should place a maximum amount of emphasis on mapping the Devonian and Mississippian stratigraphy. If the stratigraphy and facies relationships within these rocks can be determined, then we will be in a better position to determine the stratigraphic position of the various stratiform mineral deposits that it hosts. And this information is basic to any understanding of the paleogeographic environment of deposition of these deposits, and must be obtained before we have any geologic basis on which to judge the relative merits of the various showings and geochemical anomalies we have discovered in the past two years.

The black shales of Mississippian age have been mapped by the G.S.C. as far to the northwest as Glenlyon Lake (25 miles beyond Faro) in a narrow belt south of the Tintina Trench. Volcanics have not been mapped within the formation in this area, which may downgrade its mineral potential. On the other hand, the shales do contain bedded barite west of the Lapie River, and the stratiform lead-zinc deposits in the Selwyn Basin are associated with shale hosted barite beds of approximately this age. These northwestern continuations of the Mississippian shales certainly warrant inclusion in the proposed program of geologic mapping.

The results of geologic mapping on properties has been discussed in detail in assessment reports on the ANISE, BNOB, CHZERENOUGH, BID, HOWRU and MM claim groups, and there is little point in reproducing that information in this report. Nor is there any point in repeating again a description of all the rock units encountered in the regional mapping, since little new information was accumulated during the 1977 mapping. As has been mentioned already, all the mapping completed to date has been summarized and compiled onto the 1:50,000 scale map sheets and these will suffice to indicate the areas where preliminary mapping has been completed.

TABLE II: CORRELATION OF MINERAL DEPOSIT TYPE WITH AGE OF HOST ROCKS.

<u>ROCK UNIT AGE and LITHOLOGY</u>	<u>STYLES OF MINERALIZATION</u>	<u>EXAMPLES</u>
Upper Devonian- Mississippian Volcanics (M _{Va} , M _v , M ₊)	1) massive sulphides 2) syngedimentary barite 3) Pb-Zn or Ba veins 4) disseminated Pb, Zn, flourite	MM, JOE MM, JOE, BNOB, CHZERPNOUGH BID, IONA, others Several unnamed showings
Upper Devonian- Mississippian shales (uDMs)	1) syngedimentary pyrite with or without traces of Pb-Zn 2) syngedimentary barite 3) Pb-Zn veins	IONA, HOWRU, ANISE 2 G.S.C. localities on 105 F - 15, 16 IONA, HOWRU, MATT, ANISE, others
Silurian- Devonian sandstones and carbonates (SD _q , SD _{dq} , SD _d , etc)	1) disseminated galena 2) Pb-Zn-Ag veins or fault breccia zones 3) Ba veins	HOWRU, IGLE FOX, COOT, H, IONA, others BA, MM, unnamed showing north of McNeil Lake
Ordovician- Silurian black slates (OSsl)	1) Bedded pyrite 2) Welcome North showing, if they exist	IONA, Lapie Canyon
Upper Cambrian- Ordovician limy phyllites (uEOslv)	1) Ag, Pb, Zn veins 2) Cu in quartz veins and in volcanics	IONA, ECDN, and elsewhere BELL, other unnamed showings
Lower Cambrian (l-e)	1) skarns bearing W and Mo are developed at contacts of this unit with granodiorite stock 2) Ag, Pb, Zn veins	PM, RISBY unnamed showings in Seagull Valley IONA ?

PROPOSED EXPLORATION

A. PROPERTY WORK

- 1) MM/JJ/DD Extend the detailed mapping begun in 1977 to the balance of the Mississippian outcrops on the claim group. This work will be continued by Jim Mortensen as part of his MSc requirements at U. B. C.

- 2) ANISE Several coincident EM-geochemical anomalies should be tested by drilling. The budget allows for 2,000 feet of diamond drilling in several relatively short holes, but it may be possible to use a Nodwell-mounted rotary or percussion drill instead of a diamond drill. This would allow us to economically test a greater number of conductors, quickly eliminating conductors with no associated sulphides.

- 3) EROS This small property has a strong lead-zinc geochemical anomaly and a large transported gossan downslope from a good EM conductor. The geologic setting is Mississippian shales and volcanics. It is proposed to test the anomaly with two short drill holes totalling about 1,000 feet. The drill equipment can be mobilized to the claim group from the Ketz River road.

- 4) HOWRU An orthophoto at a scale of 1:5,000 is being produced for this claim group, which will be used as a base for detailed geologic mapping. Some EM survey work will be required on the property to trace black shale horizons through the overburden covered valley bottoms. A limited amount of soil sampling may also be required on some portions of the property, and also some litho-geochemical investigations of the mineralized shale and sandstone horizons. This work will likely lead to a drilling requirement for the 1979 season.

- 5) IGLE The geochemical anomalies on this property should be located in more detail with grid controlled soil sampling, and EM surveys also should be carried out over the property as an aid to geologic mapping. The claims are located in a heavily forested valley bottom location adjacent to the Ketz River road. Line cutting will be carried out in late May or early June.

B. REGIONAL WORK

1) GEOLOGIC MAPPING Working out from the HOWRU claims in both directions, the internal stratigraphy of the Devonian-Mississippian formations should be mapped in some detail. This can probably be done best by mapping in the field at a scale of 1"=2,640' or 1"=1,320', and then generalizing to 1:50,000 scale. Good sections can be measured and mapped in considerable detail, so that hopefully a regional stratigraphic picture will begin to emerge. The ultimate object of the mapping exercise will be to relate the synsedimentary barite and sulphide deposits within the formations to the general geologic history of the volcanic and sedimentary rocks which host them.

2) GEOCHEMICAL SAMPLING Silt, seep, and soil sampling should be carried out over those parts of the Devonian-Mississippian package which have not yet been covered. Specifically this means covering one or more narrow belts of shales which occur mostly in valley bottom lowlands extending from the Lapie River northwest to Glenlyon Lake. Most of the sampling will probably have to be done by foot traverses since few chopper landing spots are likely to be found in the areas where the shale occurs.

Unfortunately, the budget allotment of \$50,000 for the 1978 season allows only a small portion of the proposed work to be carried out this year. During this season, therefore, only the work on the MM/JJ/DD property and on the HOWRU property will be done, accompanied by a limited amount of regional work in the most promising areas. The balance of the program must be postponed to some future date. The breakdown of the \$50,000 1978 budget follows.

Respectfully Submitted,

P. M. DEAN

March 21, 1978.

APPENDIX I

CYPRUS ANVIL MINING CORPORATION

1978 BUDGET SUMMARY -- MM/PELLY

Salaries and Wages	\$ 17,000.00
Staking Costs	500.00
Line Cutting - Orthophoto	7,000.00
Assays and Geochemical Analysis	3,500.00
Field Equipment	1,000.00
Camp Maintenance	3,000.00
Rotary Wing (including Fuel)	13,400.00
Miscellaneous Transportation	4,600.00
	<hr/>
TOTAL	\$ 50,000.00
	<hr/> <hr/>

PELLY PROJECT

GEOCHEMICAL RESULTS

- soil
- silt
- x rock

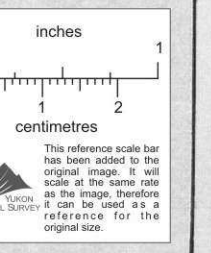
ANALYSIS IN PPM

45, 83, 76
Cu, Pb, Zn

SCALE: 1 inch = 1/2 mile

0 1000 2000 3000 4000 5000 6000 7500 FT.

105-G-5



PELLEY PROJECT

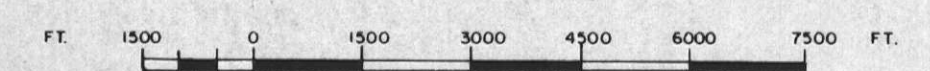
GEOCHEMICAL RESULTS

ANALYSIS IN PPM

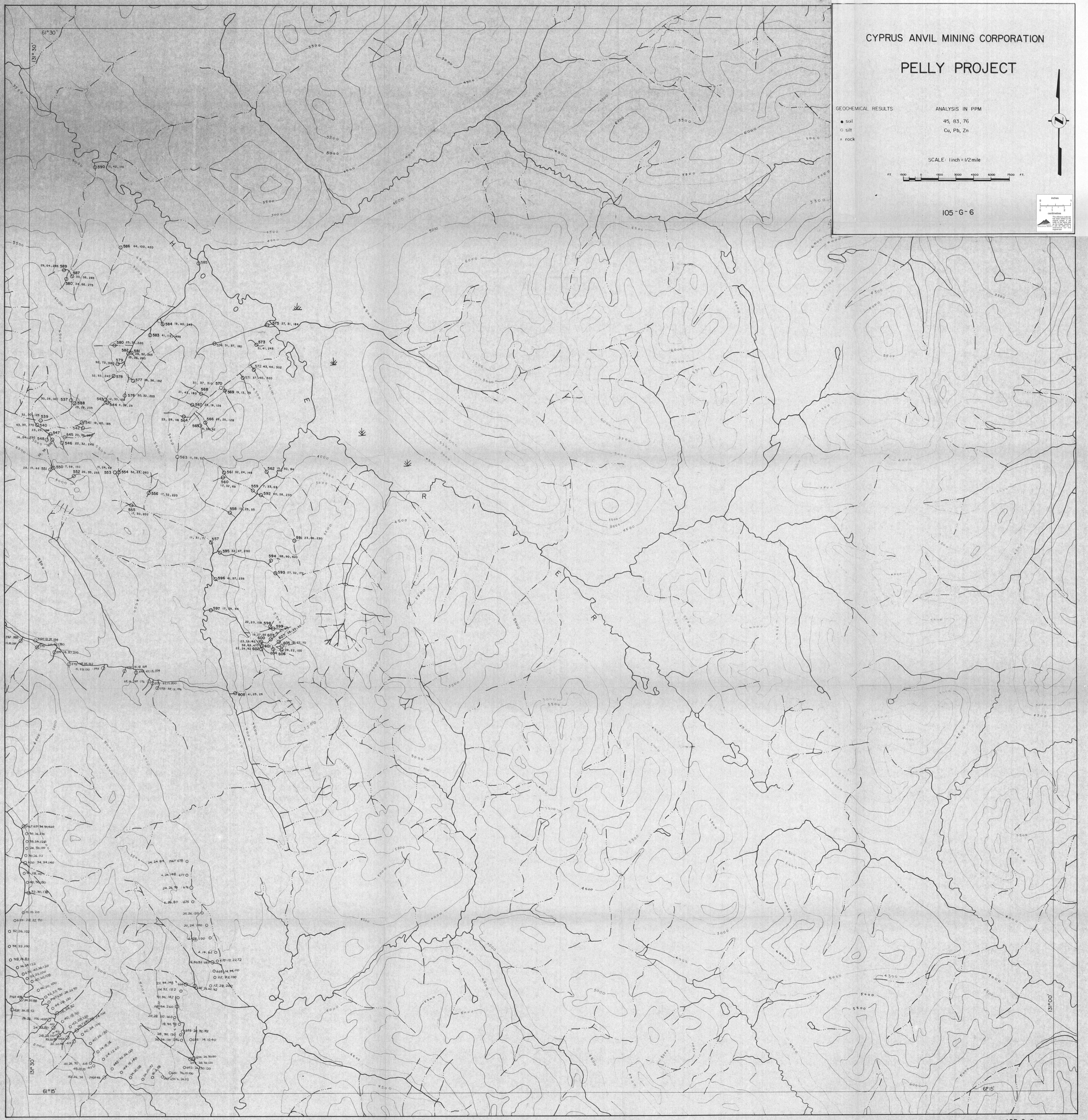
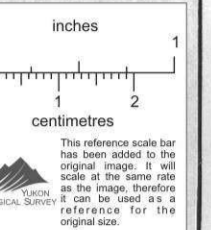
- soil
- silt
- x rock

45, 63, 76
Cu, Pb, Zn

SCALE: 1 inch = 1/2 mile

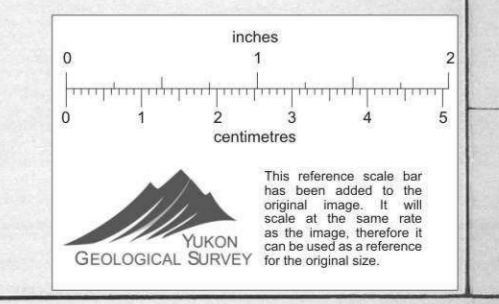


105-G-6

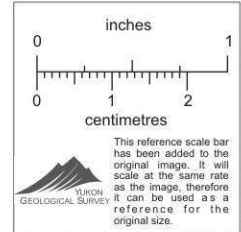
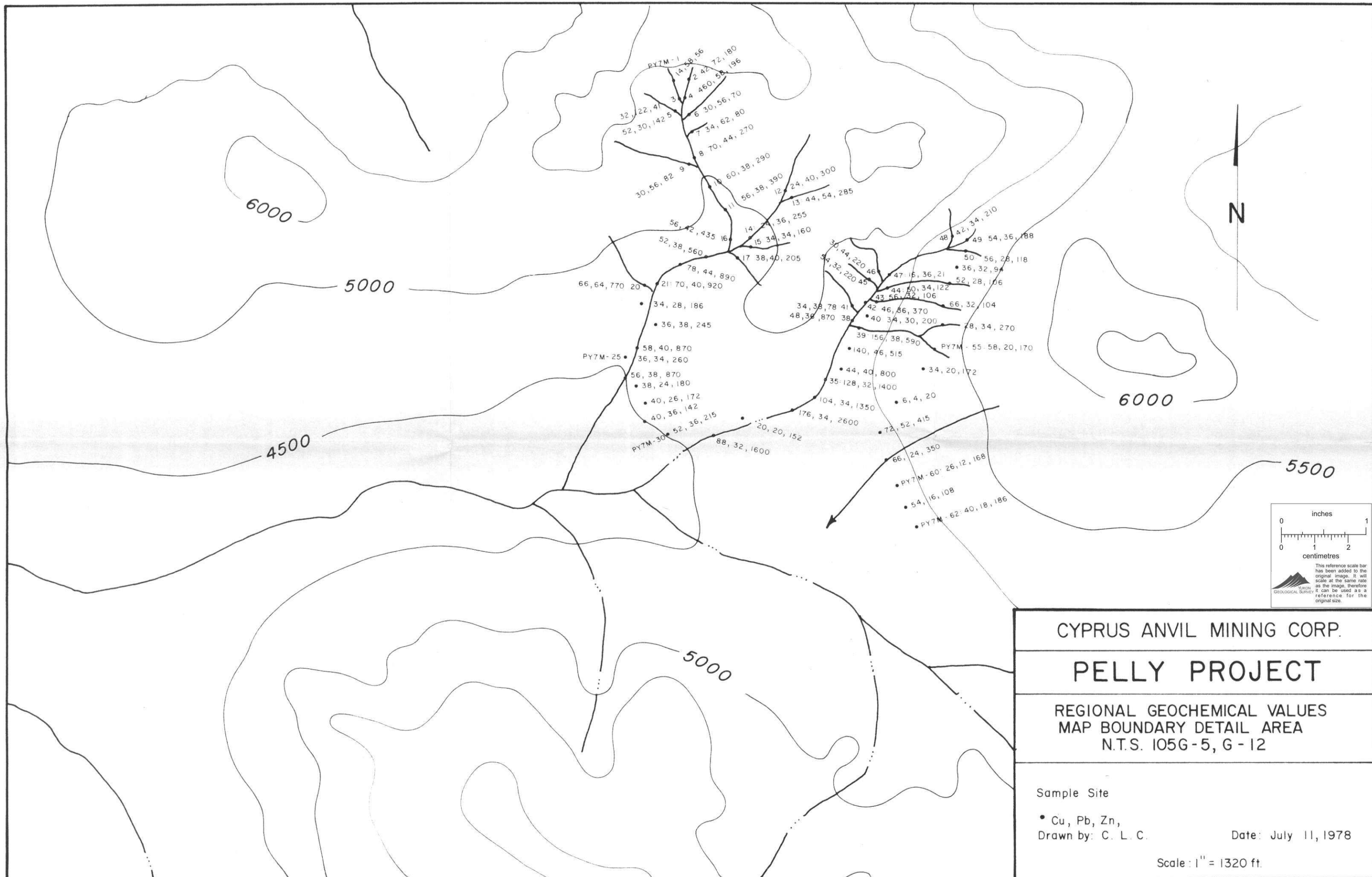




CYPRUS ANVIL MINING CORPORATION
PELLE PROJECT
GEOCHEMICAL VALUES MAP
KETZA RIVER DETAIL
105F-9, 105G-12



DESIGNED BY PETER W. OFAL
DATE AUGUST 9, 1977
SCALE 1" = 100 FEET
DRAWN BY CHARLES S. COOPER



CYPRUS ANVIL MINING CORP.

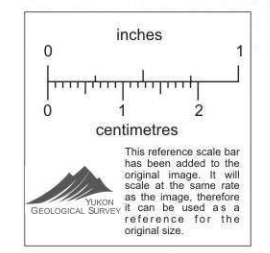
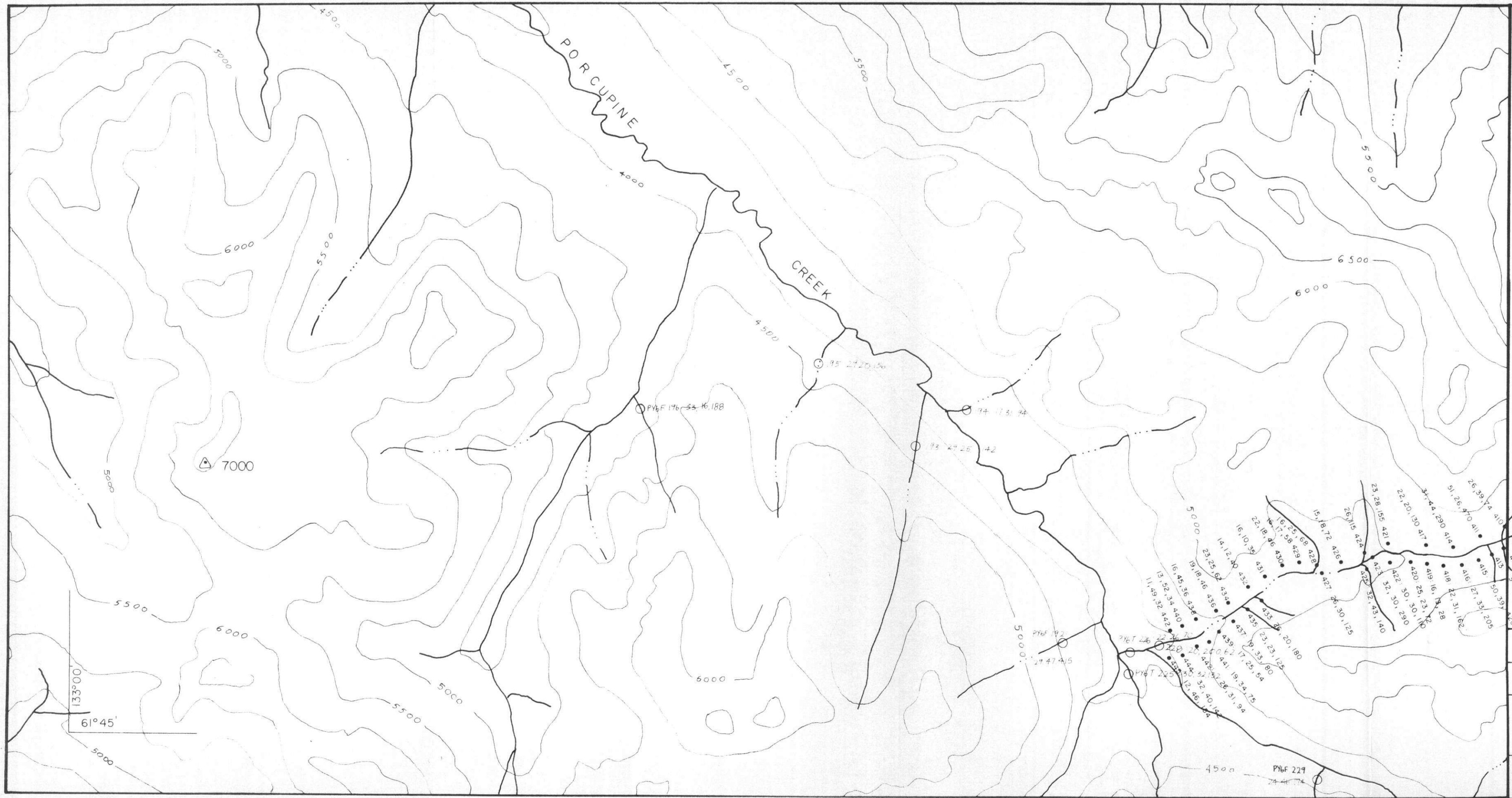
PELLY PROJECT

REGIONAL GEOCHEMICAL VALUES
 MAP BOUNDARY DETAIL AREA
 N.T.S. 105G-5, G-12

Sample Site

• Cu, Pb, Zn,
 Drawn by: C. L. C. Date: July 11, 1978

Scale: 1" = 1320 ft.



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PELLY PROJECT

105-F-15

○ SILT SAMPLE
Cu, Pb, Zn

SCALE
1/2 mile 1 inch



CYPRUS ANVIL MINING CORPORATION

PELLY PROJECT

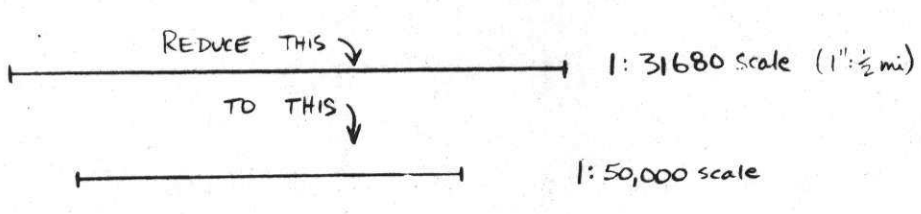
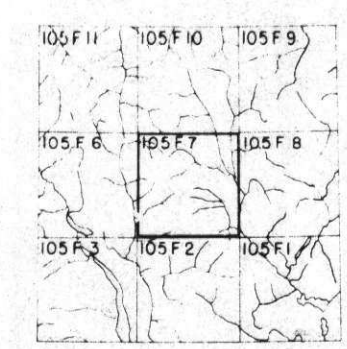
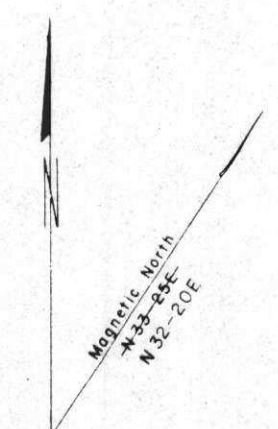
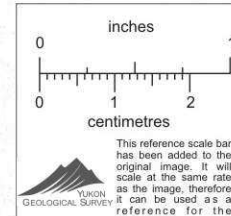
REGIONAL GEOCHEMICAL
VALUES MAP: PORCUPINE CK.
DETAIL AREA: 105 F-15

Drawn by: H. J. H. Date: Dec. 1976
Revised by: C. L. C. Scale: 1" = 2640'

SHEET 105F-7

LATITUDE 61° 15' To 61° 30'
LONGITUDE 132° 30' To 133° 00'

CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION
SCALE: 1/2 MILE TO 1 INCH
ISSUED UNDER THE AUTHORITY OF THE MINISTER
NORTHERN AFFAIRS AND NATIONAL RESOURCES



NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF INDIAN AFFAIRS AND NORTHERN DEVELOPMENT WILL ACCEPT NO RESPONSIBILITY FOR ANY ERRORS, INACCURACIES OR OMISSIONS WHATSOEVER.

- 6 June 77
- 20 June 77
- 21 June 76
- 22 June 76
- 23 June 76
- 24 June 76
- 25 June 76
- 26 June 76
- 27 June 76
- 28 June 76
- 29 June 76
- 30 June 76
- 1 July 76
- 2 July 76
- 3 July 76
- 4 July 76
- 5 July 76
- 6 July 76
- 7 July 76
- 8 July 76
- 9 July 76
- 10 July 76
- 11 July 76
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- 25 July 76
- 26 July 76
- 27 July 76
- 28 July 76
- 29 July 76
- 30 July 76

WHITEHORSE 15 DEC 71
19 April 56

15 DEC 71
19 April 56



LEGEND

CLAIM GROUP BOUNDARY

SHOWINGS:

- SYNSEDIMENTARY DEPOSIT
- VEIN DEPOSIT
- △ BRECCIA, SKARN, OR OTHER TYPE OF DEPOSIT

FLOAT OCCURENCE: X

ELEMENT COLOR CODING:

- PREDOMINANTLY Ag, Pb
- PREDOMINANTLY Pb, Zn
- BARITE
- COPPER
- OTHER

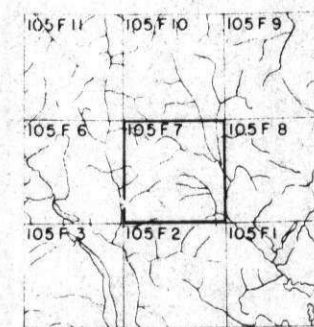
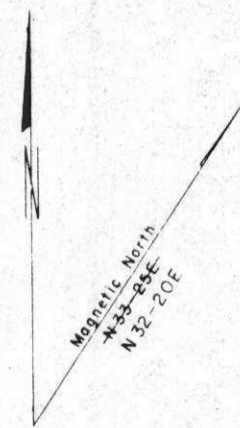
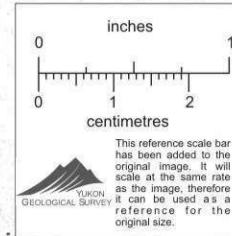
SHEET 105F-7

LATITUDE 61°15' TO 61°30'
LONGITUDE 132°30' TO 133°00'

CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION

SCALE: 1/2 MILE TO 1 INCH

ISSUED UNDER THE AUTHORITY OF THE MINISTER
NORTHERN AFFAIRS AND NATIONAL RESOURCES



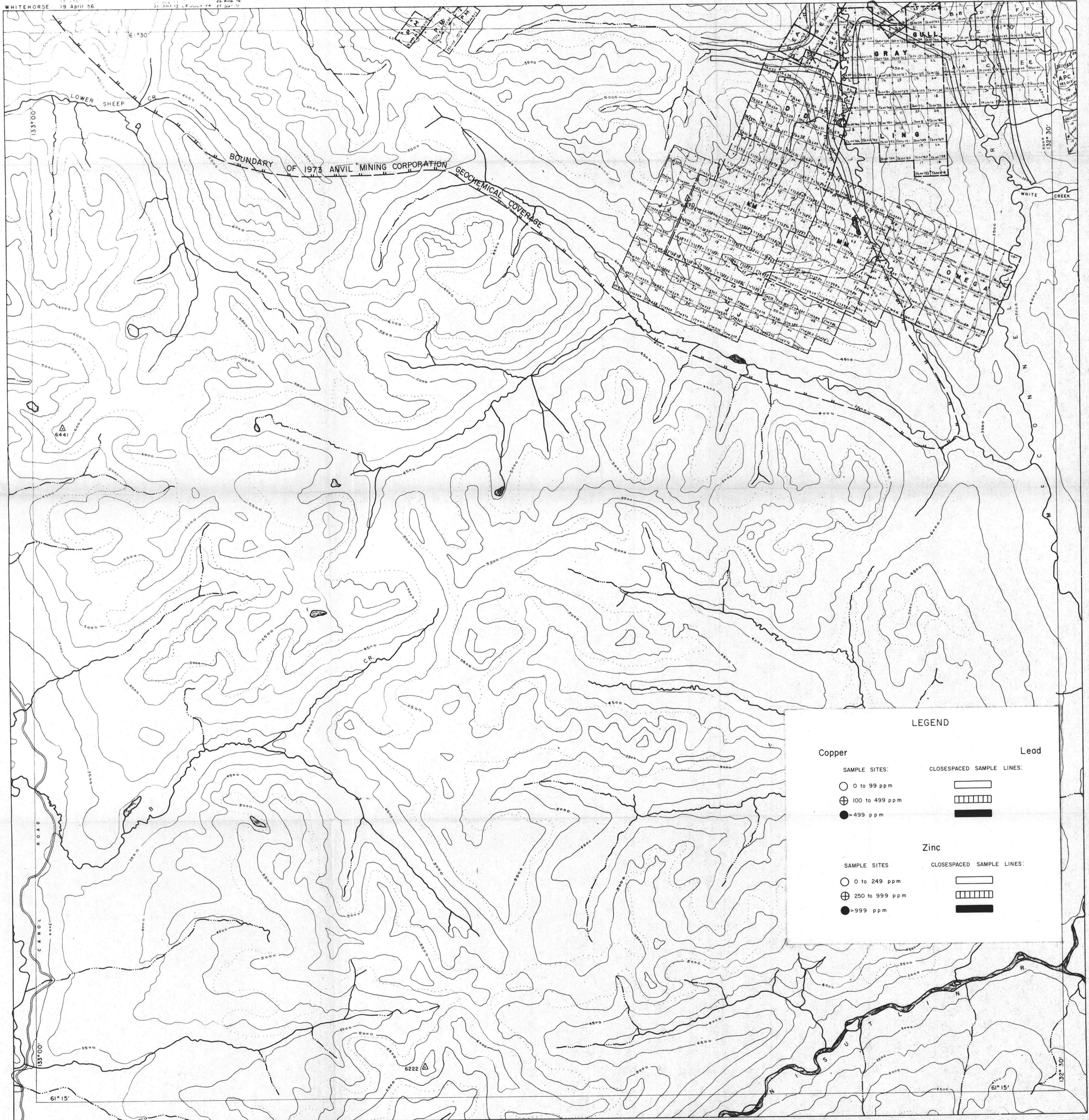
REDUCE THIS TO THIS
1:31680 scale (1"=1/2 mi)
1:50,000 scale

NOTICE

THIS MAP IS ISSUED AS A PRELIMINARY GUIDE FOR WHICH THE DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES ACCEPTS NO RESPONSIBILITY FOR ACCURACIES OR OMISSIONS WHATSOEVER.

6 June 77
24 June 77
20 July 76
25 July 76
20 July 76
28 Sept 76
16 Sept 76
17 Sept 76
26 Aug 76
28 Sept 77

15 Oct 73
31 Oct 73
28 Sept 77



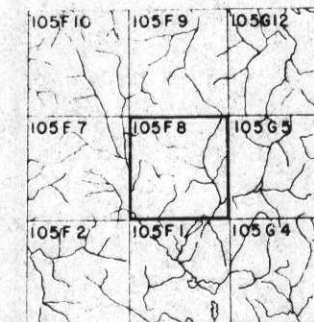
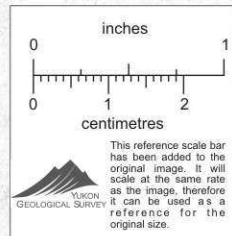
LEGEND

Copper	Lead
SAMPLE SITES:	CLOSESPACED SAMPLE LINES:
○ 0 to 99 ppm	▬
⊕ 100 to 499 ppm	▬▬▬▬▬▬
● >499 ppm	▬▬▬▬▬▬▬▬▬▬▬▬
Zinc	CLOSESPACED SAMPLE LINES:
SAMPLE SITES:	▬
○ 0 to 249 ppm	▬▬▬▬▬▬
⊕ 250 to 999 ppm	▬▬▬▬▬▬▬▬▬▬▬▬
● >999 ppm	▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬▬

SHEET 105F-8

LATITUDE 61° 15' TO 61° 30'
LONGITUDE 132° 00' TO 132° 30'

CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION
SCALE: 1/2 MILE TO 1 INCH
ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF
NORTHERN AFFAIRS AND NATIONAL RESOURCES



NOTICE

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WHITEHORSE 23 Sept 71
29 Feb 56
15 April 75
28 May 76
11 Aug 76
25 Sept 76
29 May 76



LEGEND

- CLAIM GROUP BOUNDARY
- SHOWINGS:
- SYNSEDIMENTARY DEPOSIT
 - VEIN DEPOSIT
 - △ BRECCIA, SKARN, OR OTHER TYPE OF DEPOSIT
- FLOAT OCCURENCE: X
- ELEMENT COLOR CODING:
- PREDOMINANTLY Ag, Pb
 - PREDOMINANTLY Pb, Zn
 - BARITE
 - COPPER
 - OTHER

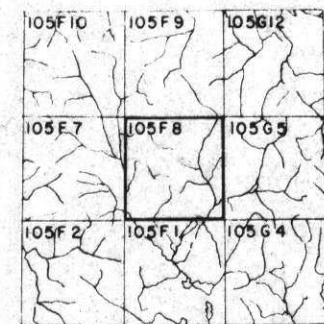
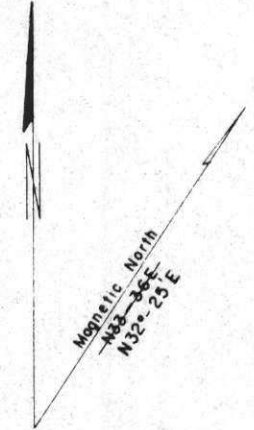
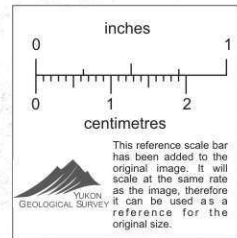
SHEET 105F-8

LATITUDE 61° 15' TO 61° 30'
LONGITUDE 132° 00' TO 132° 30'

CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION

SCALE: 1/2 MILE TO 1 INCH
FT. 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

ISSUED UNDER THE AUTHORITY OF THE MINISTER
NORTHERN AFFAIRS AND NATIONAL RESOURCES



NOTICE

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LEGEND

Copper	Lead
SAMPLE SITES:	CLOSESPACED SAMPLE LINES:
○ 0 to 99 ppm	▬
⊕ 100 to 499 ppm	▬▬▬▬▬▬
● >499 ppm	▬▬▬▬▬▬
	Zinc
	SAMPLE SITES
	○ 0 to 249 ppm
	⊕ 250 to 999 ppm
	● >999 ppm
	CLOSESPACED SAMPLE LINES:
	▬
	▬▬▬▬▬▬
	▬▬▬▬▬▬



COMPARISON SCALE FOR ELEVATIONS
 METERS
 FEET

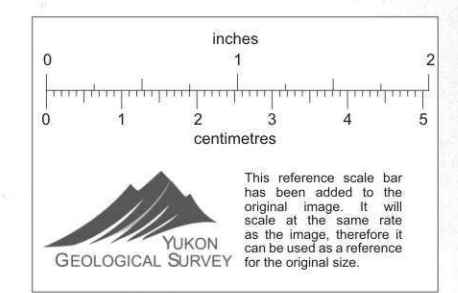
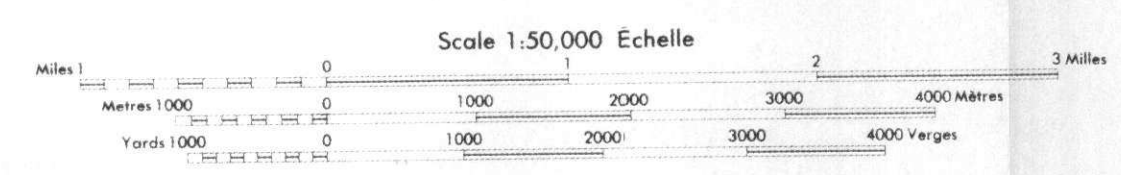
ONE THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID ZONE 18

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Cloutier Creek
 YUKON TERRITORY



THIS PROVISIONAL MAP IS EQUIVALENT TO A STANDARD MAP OF ACCURACY OF CLASS 1.

Some names on this map are not printed in Canadian or English and are marked by the Survey and Mapping Branch.

CAUTION: METERS, NOT FEET
 Coordinates of this Grid: UTM Zone 18
 North American Datum 1983
 UTM Zone 18, North American Datum 1983

PROVISIONAL MAP 105 F/9
 Edition 1
 Published September 1978

105 F/9
 EDITION 1

LEGEND

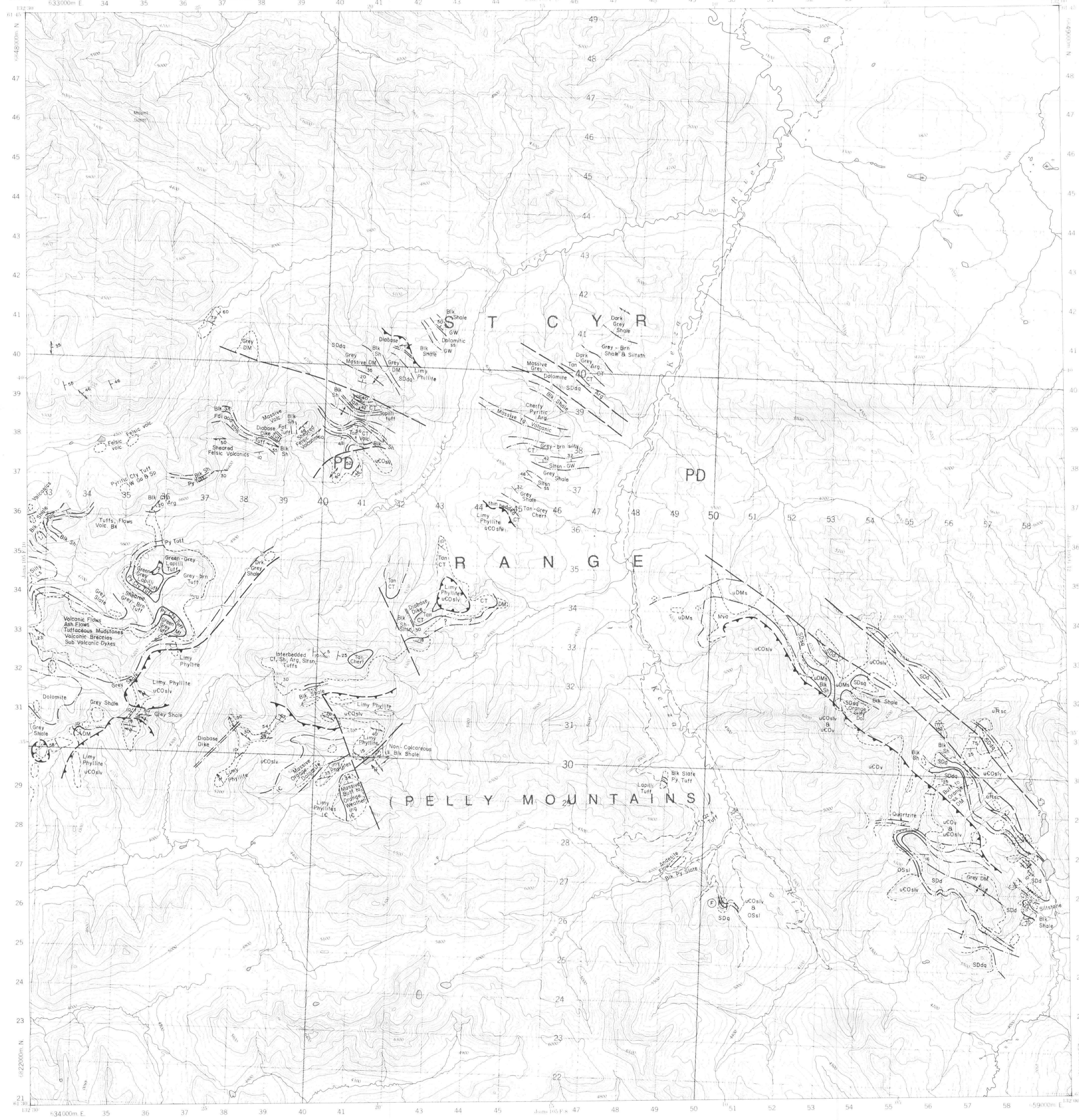
<p>Copper</p> <p>SAMPLE SITES:</p> <ul style="list-style-type: none"> ○ 0 to 99 ppm ⊕ 100 to 499 ppm ● >499 ppm 	<p>Lead</p> <p>CLOSESPACED SAMPLE LINES:</p> <ul style="list-style-type: none"> ▬ 0 to 99 ppm ▬ 100 to 499 ppm ▬ >499 ppm
<p>Zinc</p> <p>SAMPLE SITES:</p> <ul style="list-style-type: none"> ○ 0 to 249 ppm ⊕ 250 to 999 ppm ● >999 ppm 	<p>CLOSESPACED SAMPLE LINES:</p> <ul style="list-style-type: none"> ▬ 0 to 249 ppm ▬ 250 to 999 ppm ▬ >999 ppm

CYPRUS ANVIL MINING CORPORATION

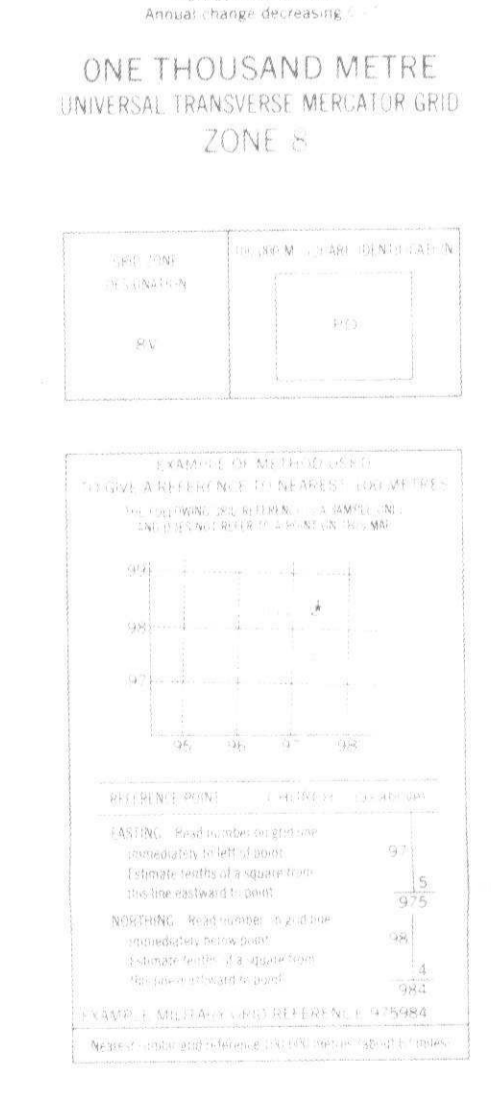
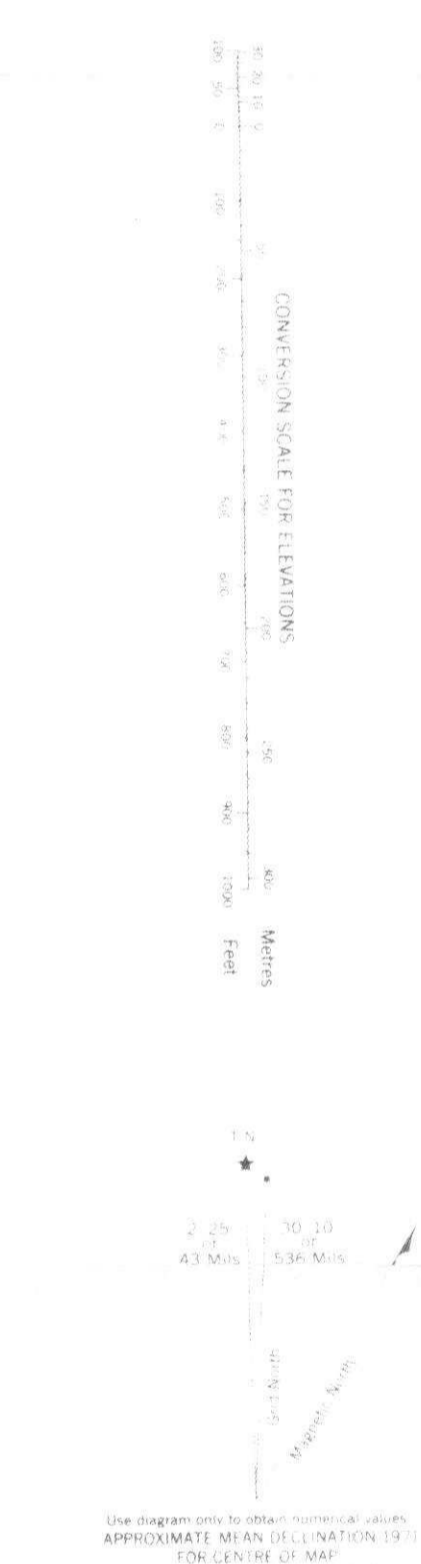
PELLEY PROJECT
REGIONAL GEOCHEMICAL MAP 105F-9
COPPER LEAD & ZINC

<p>REVISED:</p>	<p>NTS: 105 F-9 DRAWN BY: C. L. CORY DATE: MAY 1978</p>
-----------------	---

Fig 106



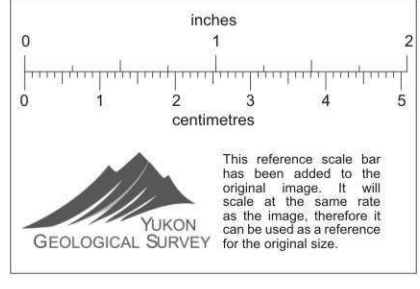
Scale 1:50,000
 1:50,000
 1:50,000



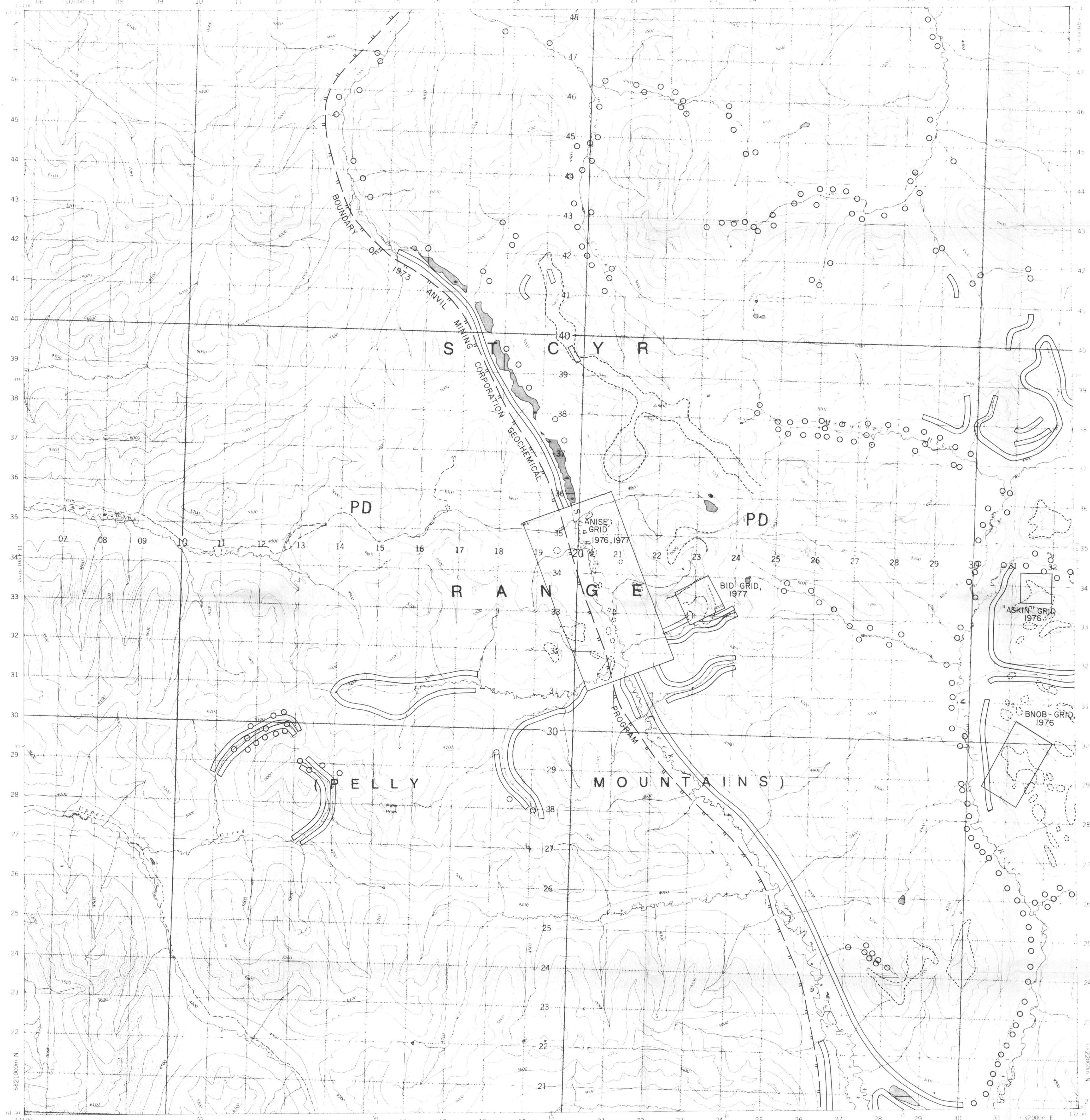
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CLOUTIER CREEK
 YUKON TERRITORY

Scale 1:50,000 Echelle



CYPRUS ANVIL MINING CORPORATION	
PELLEY PROJECT	
REGIONAL GEOLOGY MAP: 105 F/9	
REVISED:	NTS: 105 F/9 DRAWN BY: C. L. C. DATE: FEB. 27, 1978



ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID

1:50,000

105 F/10
EDITION 1

LEGEND

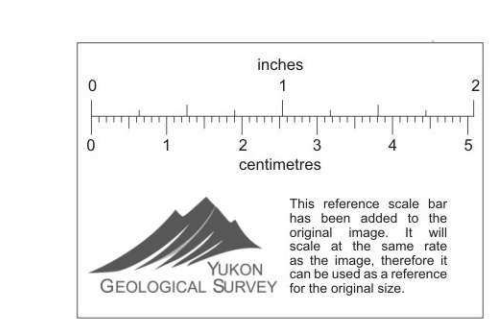
Copper	LEAD
SAMPLE SITES:	CLOSESPACED SAMPLE LINES
○ 0 to 99 ppm	▬
⊕ 100 to 499 ppm	▬▬▬▬
● >499 ppm	▬▬▬▬▬▬
Zinc	CLOSESPACED SAMPLE LINES
○ 0 to 249 ppm	▬
⊕ 250 to 999 ppm	▬▬▬▬
● >999 ppm	▬▬▬▬▬▬

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PASS PEAK
YUKON TERRITORY

Scale 1:50,000 Échelle

0 1000 2000 3000 4000 Metres
0 1000 2000 3000 4000 Feet

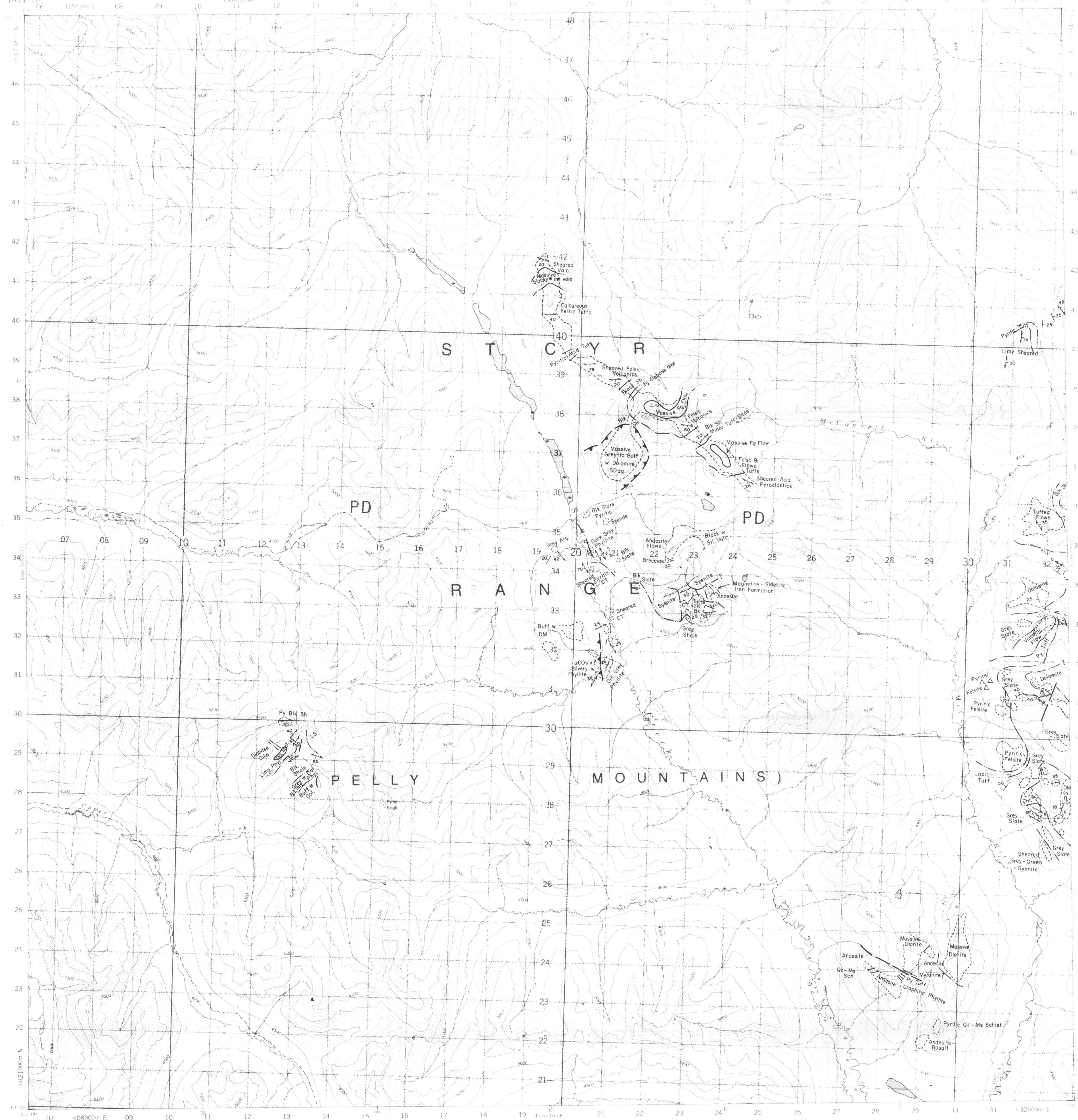


CYPRUS ANVIL MINING CORPORATION

PELLY PROJECT
REGIONAL GEOCHEMICAL MAP 105F-10
COPPER LEAD & ZINC

REVISED: NTS: 105 F - 10
DRAWN BY: C. L. CORY
DATE: MAY 1978

July 16

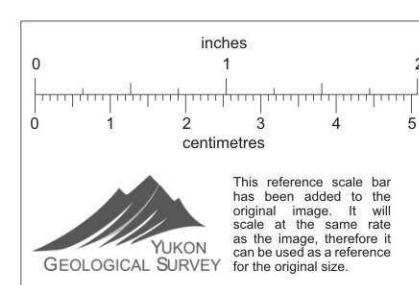


LEGEND

- BOUNDARY OF OUTCROP
- GEOLOGIC CONTACT DEFINED, ASSUMED
- BEDDING ATTITUDE
- FOLIATION ATTITUDE
- FAULT
- THRUST FAULT
- FOLD AXIS
- FOSSIL LOCALITY

PASS PEAK
YUKON TERRITORY

Scale 1:50,000 Echelle



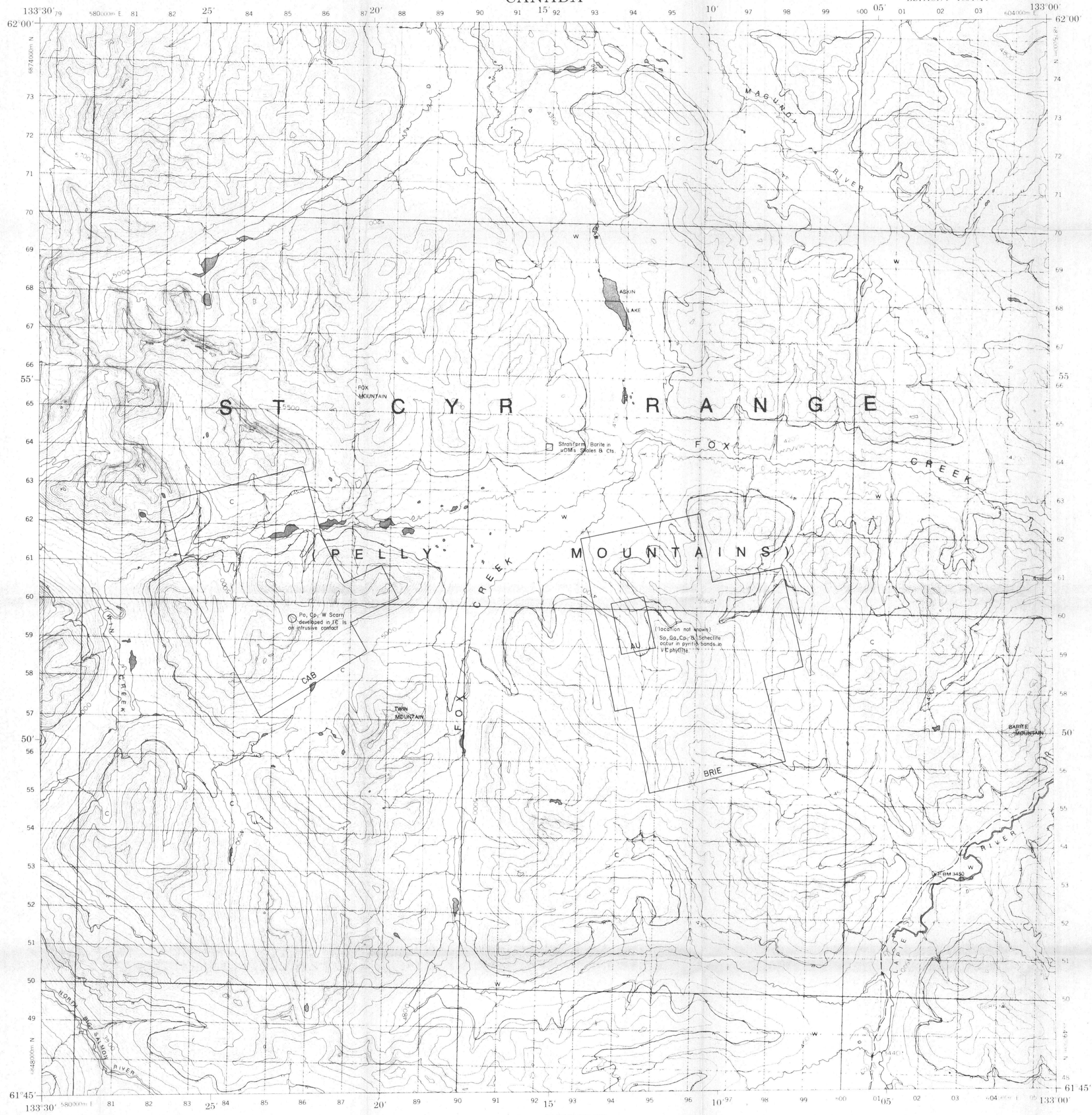
CYPRUS ANVIL MINING CORPORATION

PELLY PROJECT
REGIONAL GEOLOGY MAP: 105 F/10

REVISED:

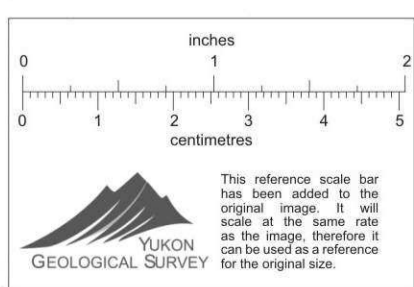
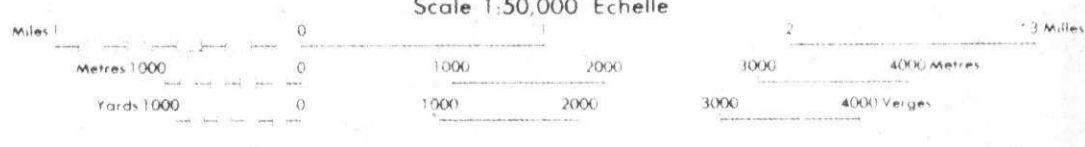
NTS: 105 F/10
DRAWN BY: C. L. C.
DATE: FEB. 25, 1978

Fig 11c



FOX CREEK
YUKON TERRITORY

Scale 1:50,000 Échelle



LEGEND

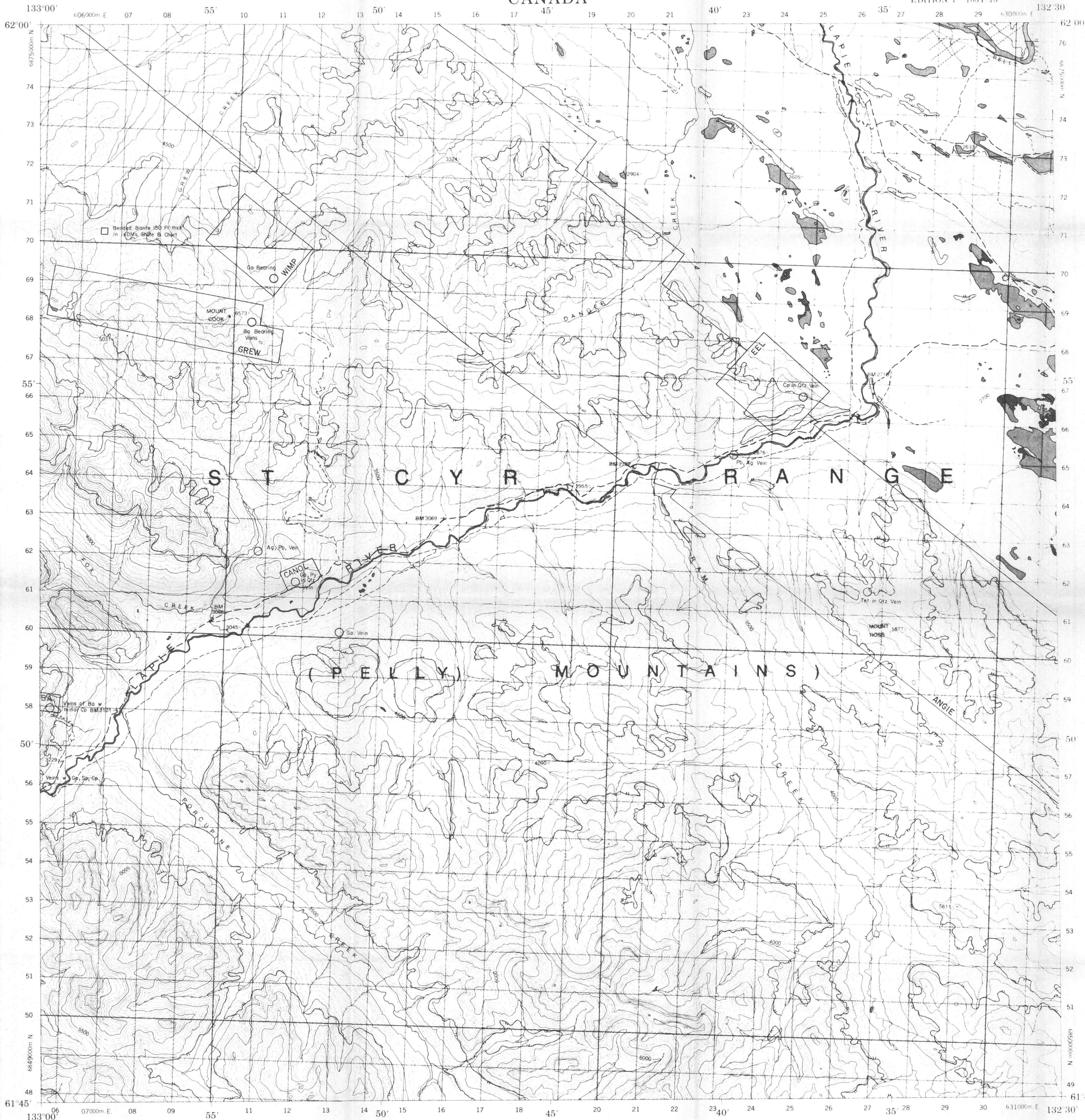
- CLAIM GROUP BOUNDARY
- SHOWINGS:
- SYNSEDIMENTARY DEPOSIT
 - VEIN DEPOSIT
 - △ BRECCIA, SKARN, OR OTHER TYPE OF DEPOSIT
- FLOAT OCCURRENCE: X
- ELEMENT COLOR CODING:
- PREDOMINANTLY Ag, Pb
 - PREDOMINANTLY Pb, Zn
 - BARITE
 - COPPER
 - OTHER

CYPRUS ANVIL MINING CORPORATION

PELLY PROJECT
ECONOMIC GEOLOGY MAP 105F-14

REVISED:

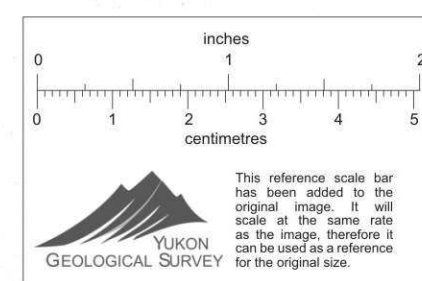
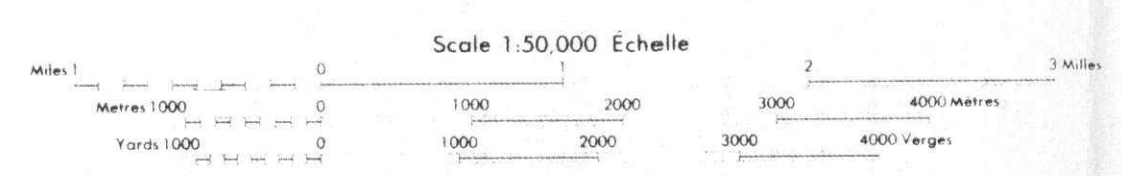
NTS: 105F-14
DRAWN BY: C. L. CORY
DATE: MAY 1978



LEGEND

- CLAIM GROUP BOUNDARY
- SHOWINGS:
- SYNSEDIMENTARY DEPOSIT
 - VEIN DEPOSIT
 - △ BRECCIA, SKARN, OR OTHER TYPE OF DEPOSIT
- FLOAT OCCURENCE: X
- ELEMENT COLOR CODING:
- PREDOMINANTLY Ag, Pb
 - PREDOMINANTLY Pb, Zn
 - BARITE
 - COPPER
 - OTHER

RAM CREEK
YUKON TERRITORY



CYPRUS ANVIL MINING CORPORATION

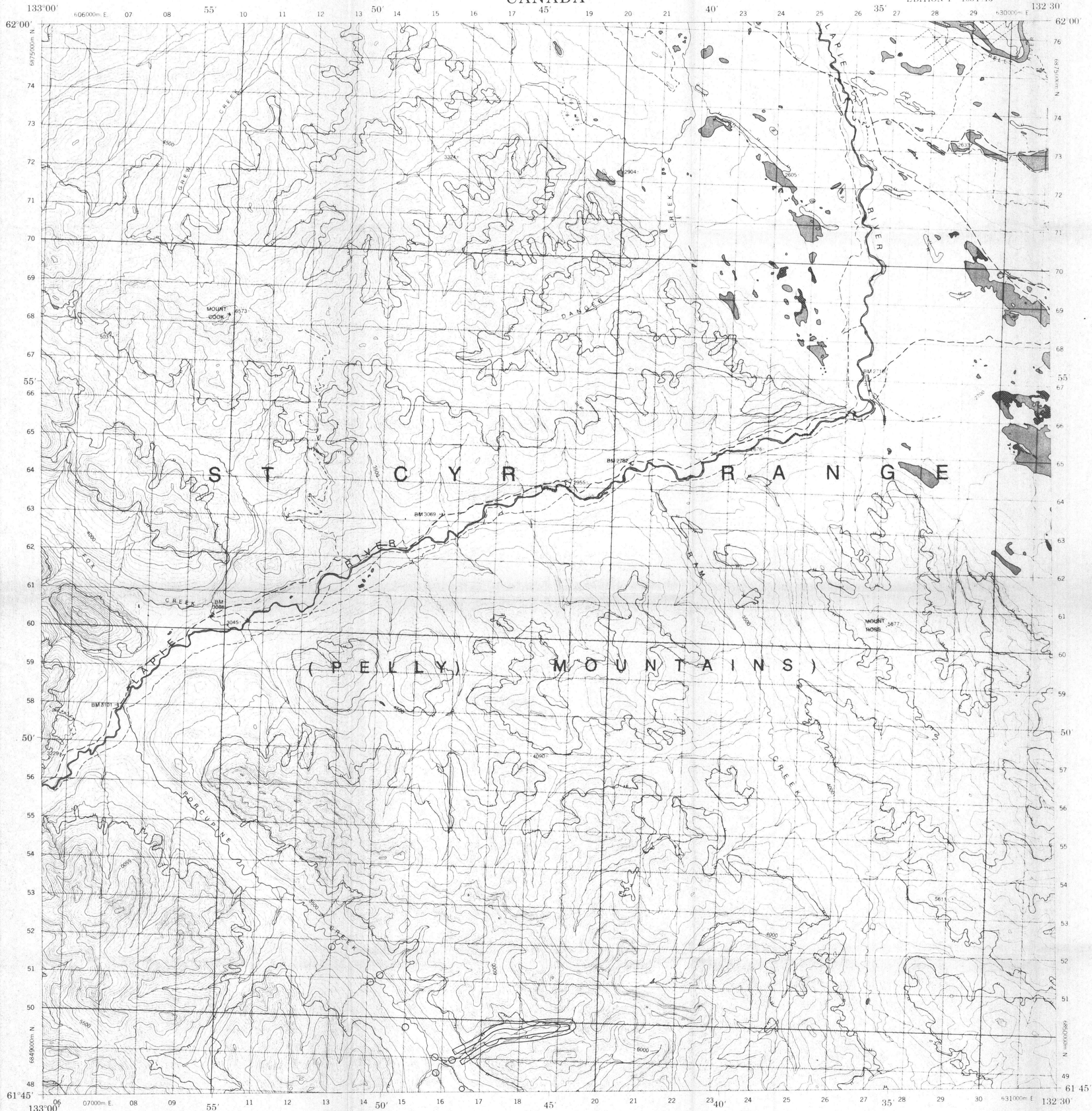
PELLY PROJECT
ECONOMIC GEOLOGY MAP 105F-15

REVISED:	NTS: 105 F -15 DRAWN BY: C. L. CORY DATE: MAY 1978
----------	--

Aug 13 1978

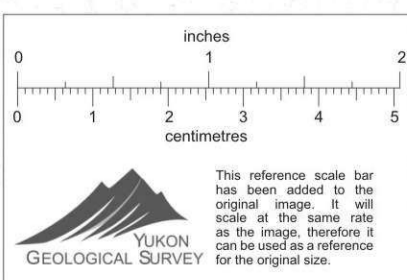
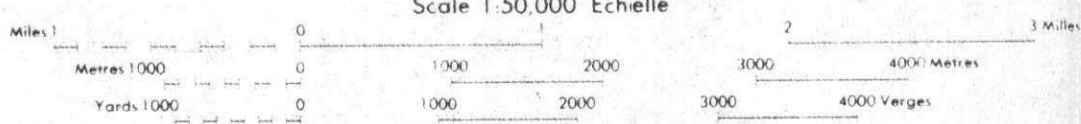
CANADA

EDITION 1 105 F 15



RAM CREEK
YUKON TERRITORY

Scale 1:50,000 Echelle



LEGEND

Copper	Lead
SAMPLE SITES:	CLOSESPACED SAMPLE LINES:
○ 0 to 99 ppm	▬
⊕ 100 to 499 ppm	▬▬▬▬▬▬
● >499 ppm	▬▬▬▬▬▬
SAMPLE SITES:	CLOSESPACED SAMPLE LINES:
○ 0 to 249 ppm	▬
⊕ 250 to 999 ppm	▬▬▬▬▬▬
● >999 ppm	▬▬▬▬▬▬

CYPRUS ANVIL MINING CORPORATION

PELLY PROJECT
REGIONAL GEOCHEMICAL MAP 105F-15
COPPER LEAD & ZINC

REVISED: _____ NTS: 105 F-15
DRAWN BY: C. L. CORY
DATE: MAY 1978

PRODUCED BY SURVEYS AND MAPPING BRANCH,
DEPARTMENT OF ENERGY, MINES AND TECHNOLOGY,
OTTAWA, ONTARIO, CANADA

CONTOUR INTERVAL: 100 FEET

© Canada Geographical Names (1978)

THIS MAP IS A REPRODUCTION OF THE ORIGINAL
MAP OF THE REGIONAL GEOCHEMICAL SURVEY
CONDUCTED BY THE DEPARTMENT OF ENERGY,
MINES AND TECHNOLOGY, OTTAWA, ONTARIO,
CANADA, IN 1975.

THIS MAP IS A REPRODUCTION OF THE ORIGINAL
MAP OF THE REGIONAL GEOCHEMICAL SURVEY
CONDUCTED BY THE DEPARTMENT OF ENERGY,
MINES AND TECHNOLOGY, OTTAWA, ONTARIO,
CANADA, IN 1975.



LEGEND

CLAIM GROUP BOUNDARY

SHOWINGS:

- SYNSEDIMENTARY DEPOSIT
- VEIN DEPOSIT
- △ BRECCIA, SKARN, OR OTHER TYPE OF DEPOSIT

FLOAT OCCURRENCE: X

ELEMENT COLOR CODING:

- PREDOMINANTLY Ag, Pb
- PREDOMINANTLY Pb, Zn
- BARITE
- COPPER
- OTHER

0 1 2
 inches
 0 1 2
 centimetres
This reference scale bar has been added to the original map. It will scale at the appropriate ratio to the original map. It can be used at a reference scale for the original map.

LENSES OF
 PY, PO, SA, GO
 UP TO 4'
 WIDE

BEDED
 BARITE WITH
 DISS. PY

NOTICE

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SHEET 105G-5

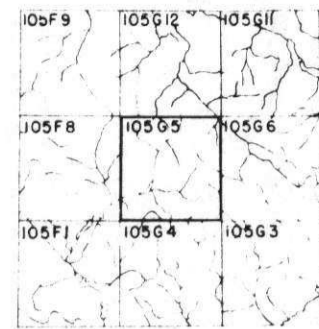
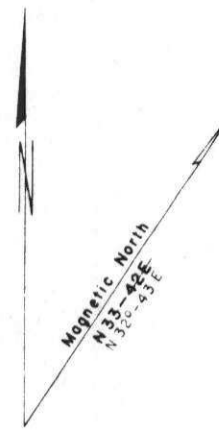
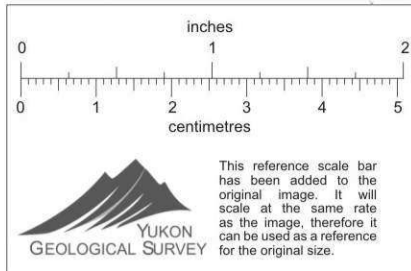
LATITUDE 61°15' TO 61°30'
LONGITUDE 131°30' TO 132°00'

CANADA
DEPARTMENT OF NORTHERN AFFAIRS AND NATIONAL RESOURCES
NORTHERN ADMINISTRATION AND LANDS BRANCH
LANDS DIVISION

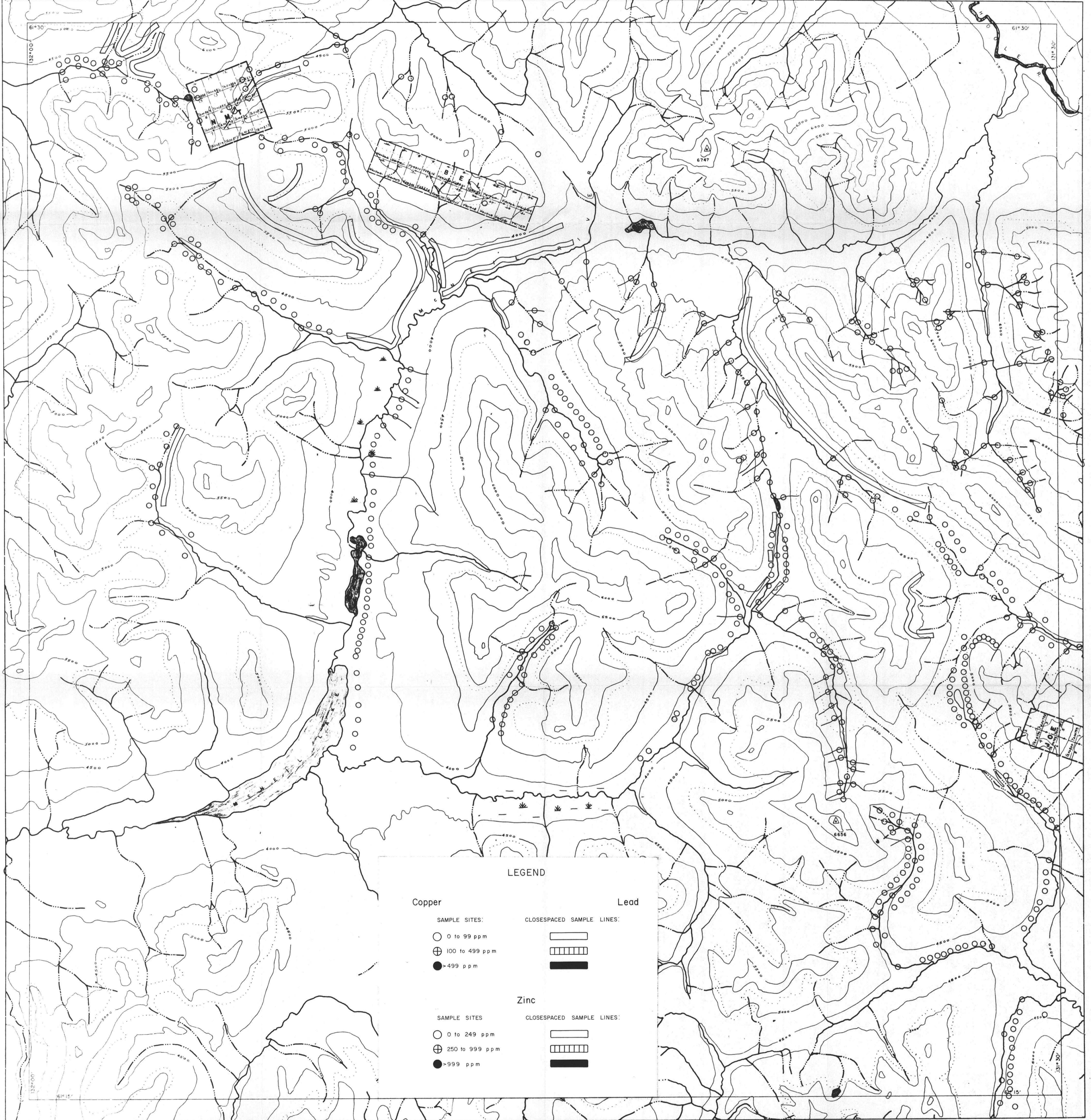
SCALE: 2 MILE TO 1 INCH

FT. 1500 0 1500 3000 4500 6000 7500 9000 10500 FT.

ISSUED UNDER THE AUTHORITY OF THE MINISTER
OF NORTHERN AFFAIRS AND NATIONAL RESOURCES



WHITEHORSE 27 Sept 73 10 587776
24 Nov 69 3 287776
7 April 56 1 187776



LEGEND

Copper

SAMPLE SITES:

- 0 to 99 ppm
- ⊕ 100 to 499 ppm
- >499 ppm

Lead

CLOSESPACED SAMPLE LINES:

- ▭
- ▨
- ▩

Zinc

SAMPLE SITES:

- 0 to 249 ppm
- ⊕ 250 to 999 ppm
- >999 ppm

CLOSESPACED SAMPLE LINES:

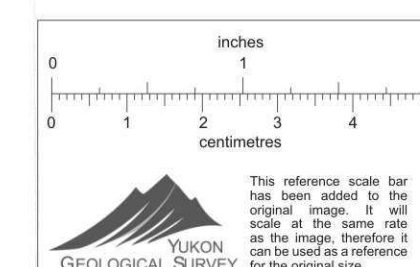
- ▭
- ▨
- ▩



105G-5

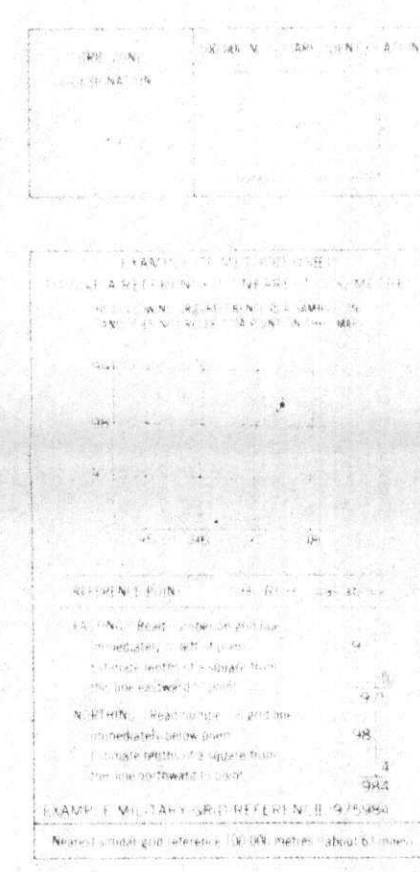
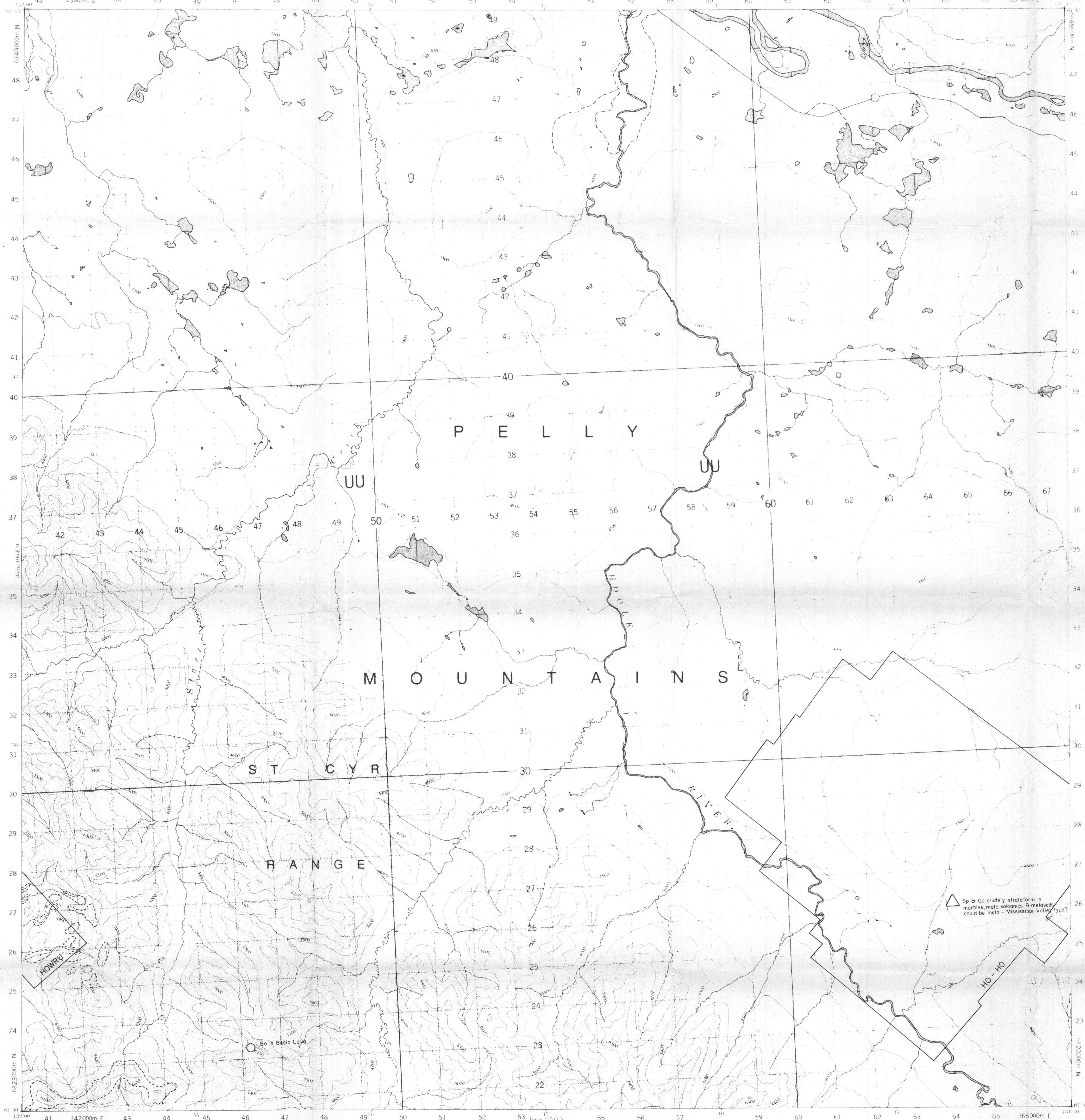
LEGEND

- BOUNDARY OF OUTCROP
- GEOLOGIC CONTACT DEFINED ASSUMED
- BEDDING ATTITUDE
- FOLIATION ATTITUDE
- FAULT
- THRUST FAULT
- FOLD AXIS
- FOSSIL LOCALITY



CYPRUS ANVIL MINING CORPORATION	
<p>PELLY PROJECT</p> <p>REGIONAL GEOLOGY MAP: 105 G/5</p>	
REVISED:	NTS: 105 G/5 DRAWN BY: C. L. C. DATE: FEB. 27, 1978

Fig. 14c



LEGEND

CLAIM GROUP BOUNDARY

SHOWINGS:

- SYNSEDIMENTARY DEPOSIT
- VEIN DEPOSIT
- △ BRECCIA, SKARN, OR OTHER TYPE OF DEPOSIT

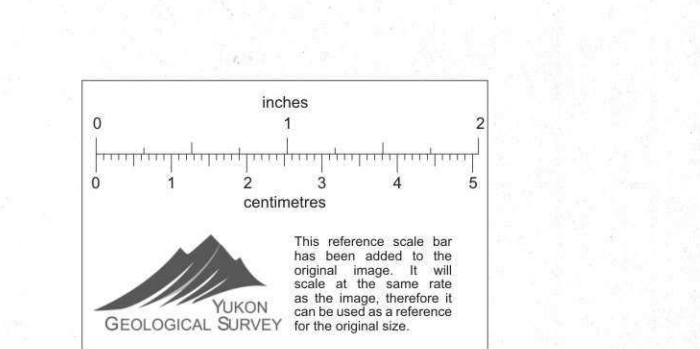
FLOAT OCCURRENCE: X

ELEMENT COLOR CODING:

- PREDOMINANTLY Ag, Pb
- PREDOMINANTLY Pb, Zn
- BARITE
- COPPER
- OTHER

STARR CREEK
YUKON TERRITORY

Scale 1:50,000 Échelle



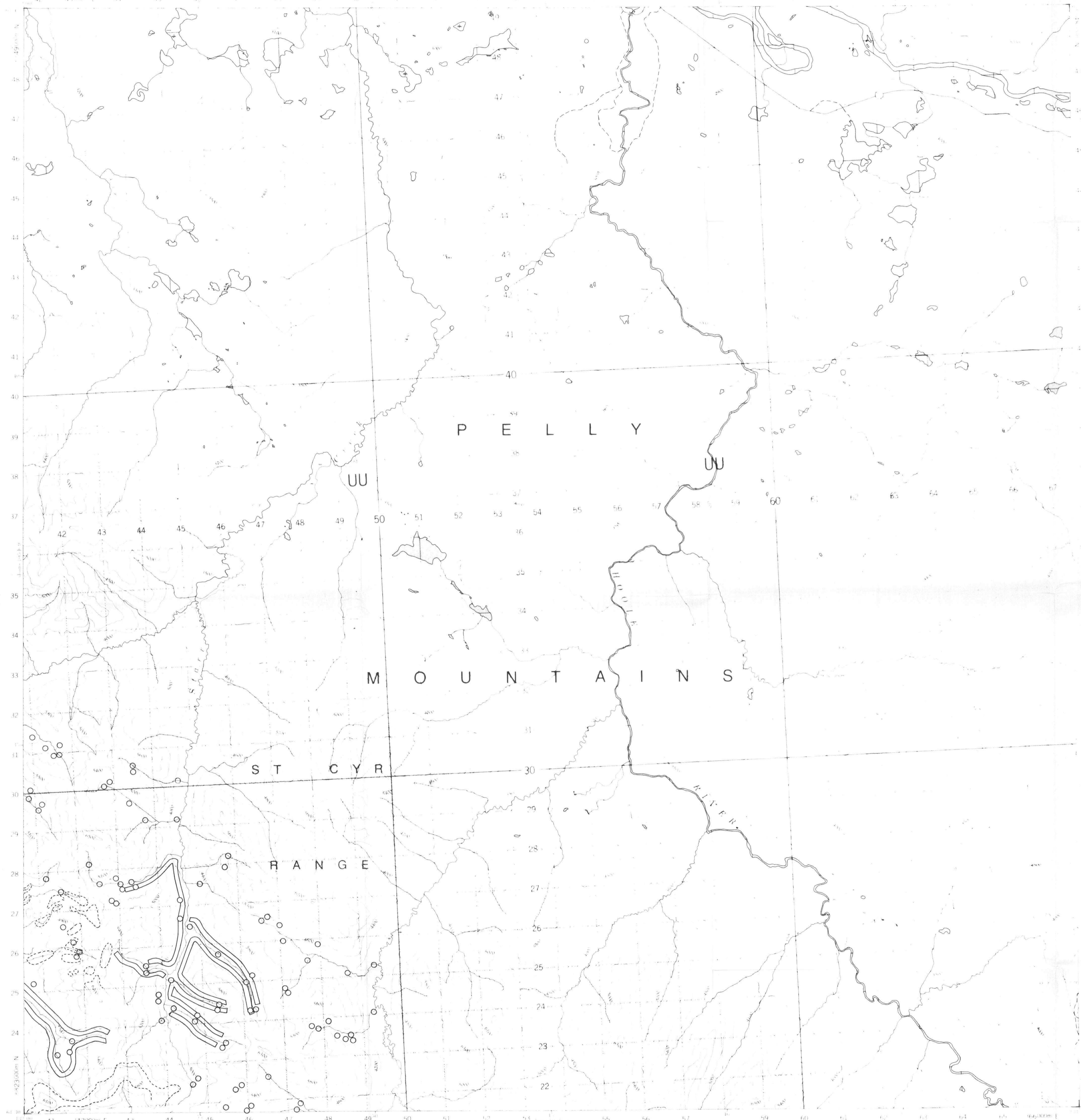
CYPRUS ANVIL MINING CORPORATION

PELLY PROJECT

ECONOMIC GEOLOGY MAP 105G-12

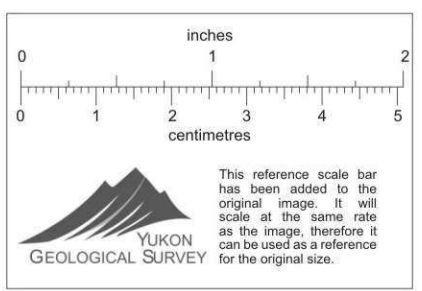
REVISED: NTS: 105F-12
DRAWN BY: C. L. CORY
DATE: MAY 1978

105 G/12
EDITION 1



STARR CREEK
YUKON TERRITORY

Scale 1:50,000 Echelle



ONE THOUSAND METRE
Scale 1:50,000

LEGEND

Copper

- SAMPLE SITES:
- 0 to 99 ppm
 - ⊕ 100 to 499 ppm
 - >499 ppm

Lead

- CLOSESPACED SAMPLE LINES:
- ▬
 - ▬▬▬▬
 - ▬▬▬▬▬▬
 - ▬▬▬▬▬▬▬▬

Zinc

- SAMPLE SITES:
- 0 to 249 ppm
 - ⊕ 250 to 999 ppm
 - >999 ppm

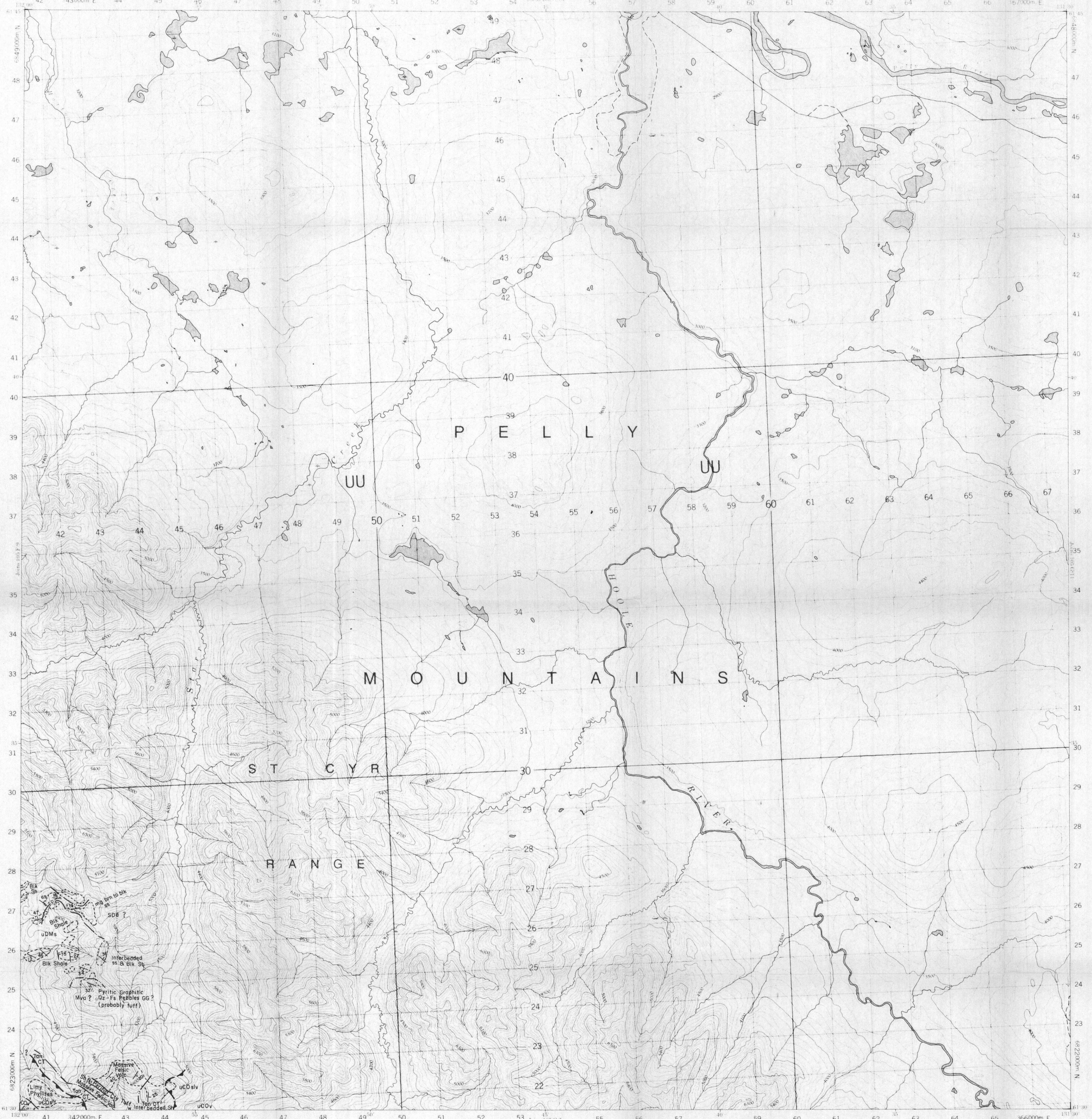
- CLOSESPACED SAMPLE LINES:
- ▬
 - ▬▬▬▬
 - ▬▬▬▬▬▬
 - ▬▬▬▬▬▬▬▬

CYPRUS ANVIL MINING CORPORATION

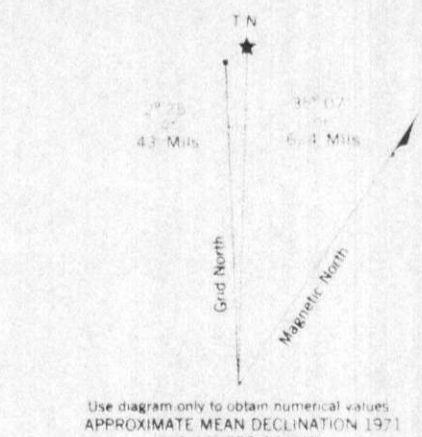
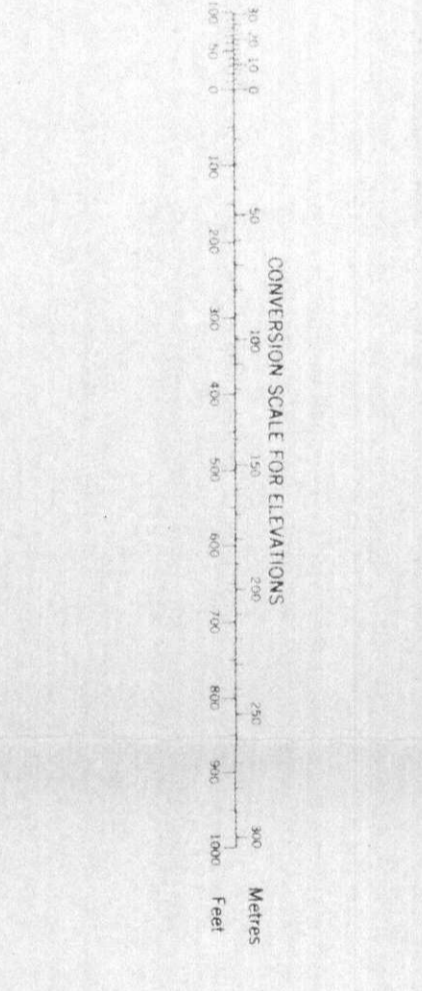
PELLY PROJECT
REGIONAL GEOCHEMICAL MAP 105G-12
COPPER LEAD & ZINC

REVISED:

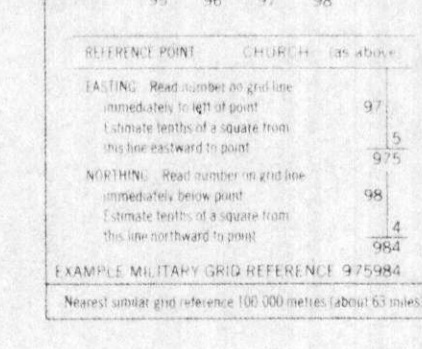
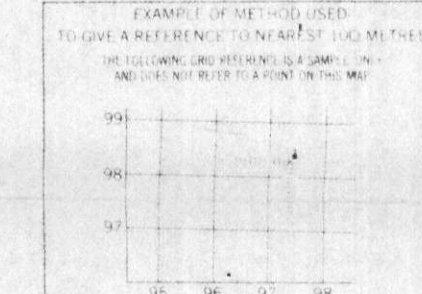
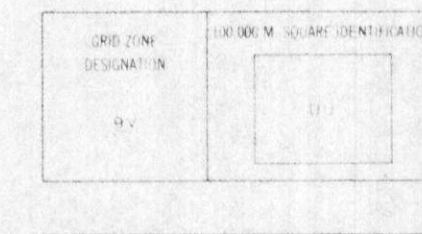
NTS: 105G-12
DRAWN BY: C. L. CORY
DATE: MAY 1978



Water to 475' N. 1978
This map at 1:50,000



ONE THOUSAND METRE
UNIVERSAL TRANSVERSE MERCATOR GRID
ZONE 19



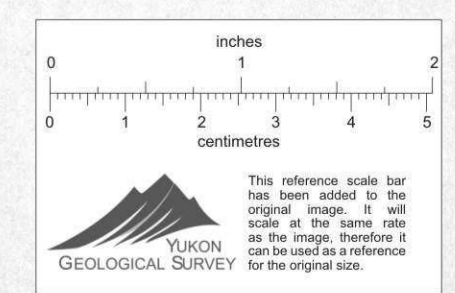
- LEGEND**
- BOUNDARY OF OUTCROP
 - GEOLOGIC CONTACT DEFINED, ASSUMED
 - BEDDING ATTITUDE
 - FOLIATION ATTITUDE
 - FAULT
 - THRUST FAULT
 - FOLD AXIS
 - FOSSIL LOCALITY

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Scale 1:50,000 Echelle

0 1000 2000 3000 4000 Meters

0 1 2 Miles



CYPRUS ANVIL MINING CORPORATION

PELLEY PROJECT

REGIONAL GEOLOGY MAP: 105 G/12

REVISED: NTS: 105 G/12
DRAWN BY: C. L. C.
DATE: FEB. 24, 1978