LINECUTTING AND GEOCHEMICAL REPORT

ON THE

MAG CLAIM GROUP

(MAG 1-2 CLAIMS)

VERNON, B.C.

Vernon Mining Division
82L/6E

Latitude 50°16'N Longitude 119°10'W

Owned and Operated by: BP Resources Canada Limited
700 - 890 West Pender Street
Vancouver, B.C.
V6C 1K5

BPVR 89-7

R.H. Wong
December, 1989.

TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

LIST OF APPENDICES

1) SUMMARY

The 1989 program of work on the MAG claim group took place in early October, 1989 and consisted of a grid-controlled soil geochemical survey conducted by de La Mothe Exploration Services Ltd.

A base-line of 1200 m was cut and flagged. Cross-lines of 1000 m length, spaced 150 m apart, were run by compass and topofil from the base-line. A total of 180 soil samples were collected from the BF horizon at 50 m intervals along the cross-lines and base-line.

Results of the soil survey extend the gold-in-soil anomaly from the adjacent LAVINGTON claim group to an overall length of over 2.5 km. The anomaly, which is zonally associated with enhanced arsenic, silver, cadmium, lead and zinc, appears to coincide with poorly-exposed outcrop of pyrite and tourmaline-bearing quartz-sericite schist.

A total of $4,000 has been applied as assessment and upon approval will maintain the MAG 1 and 2 claims in good standing to October 20, 1990.

2. INTRODUCTION

A) Location and Access

The MAG 1-2 claims are centred at 50°16' North Latitude, 119°10' West Longitude approximately 5 km east of the city of Vernon (Figure 1).

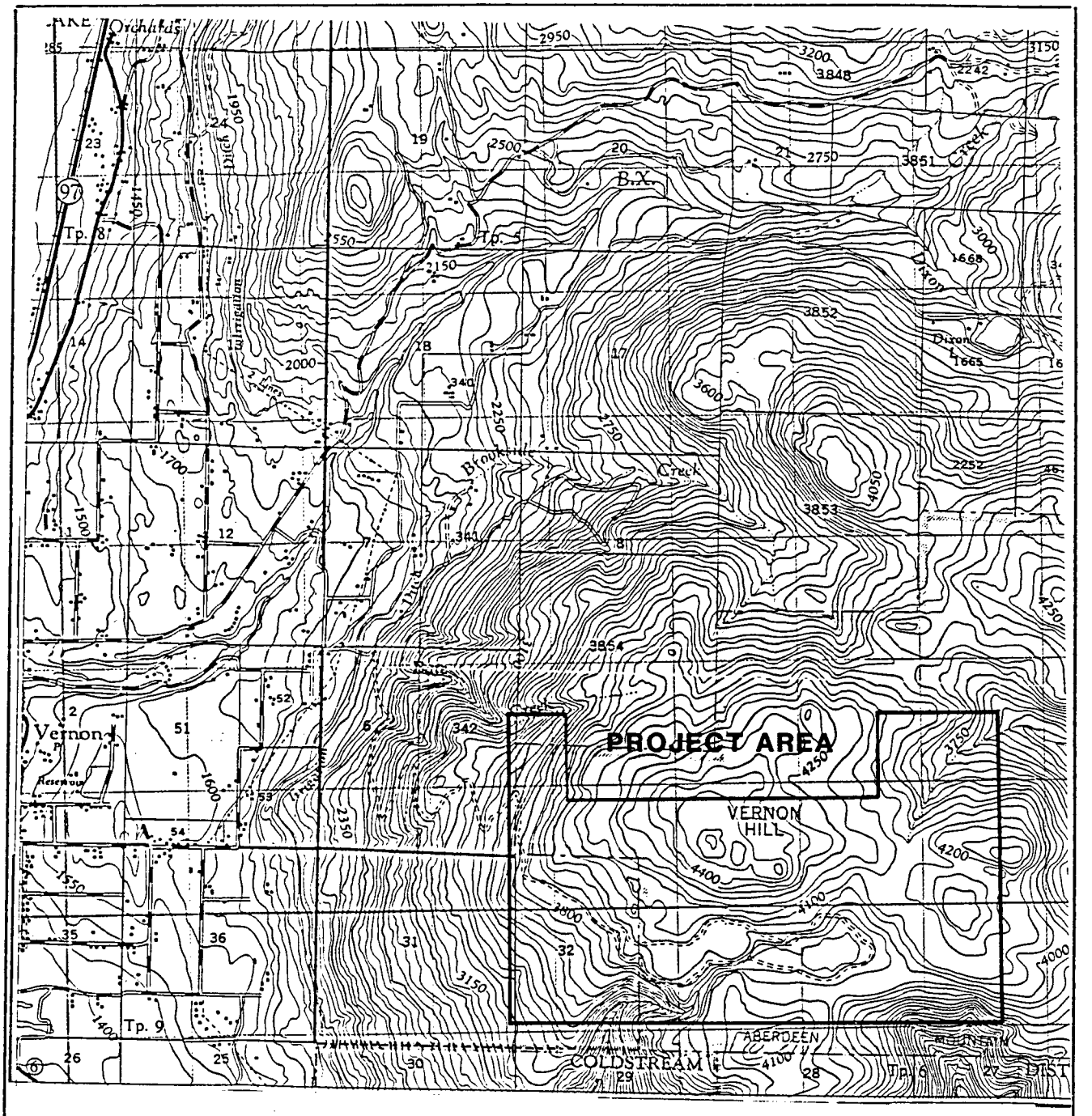
Access is via Highway 6 from Vernon to the Coldstream Creek logging road turn-off. The logging road follows the west side of Coldstream Creek and leads northerly and westerly to a network of two-wheel and four-wheel drive roads which access the Becker Lake-Vernon Hill area. Alternatively, the claim area may be reached via a steep, switch-back, two-wheel and four-wheel drive road which leads upslope from the eastern edge of Vernon.

B) Land Status

The MAG 1-2 claims, totalling 40 units, were staked October 20, 1988 by Maggie Hanson of Vernon. The claims were sold to BP Resources Canada Limited on August 24, 1989. A summary of current claim status is as follows:

CLAIM NAME	UNITS	RECORD NO.	RECORDING DATE	OWNER
MAG 1	20	3011	Oct/20/88	BP Resources Canada Limited
MAG 2	20	3012	Oct/20/88	BP Resources Canada Limited

The claims were grouped as the MAG claim group on October 20, 1989.



Scale 1 : 50 000

0 1 2 3

KILOMETRES

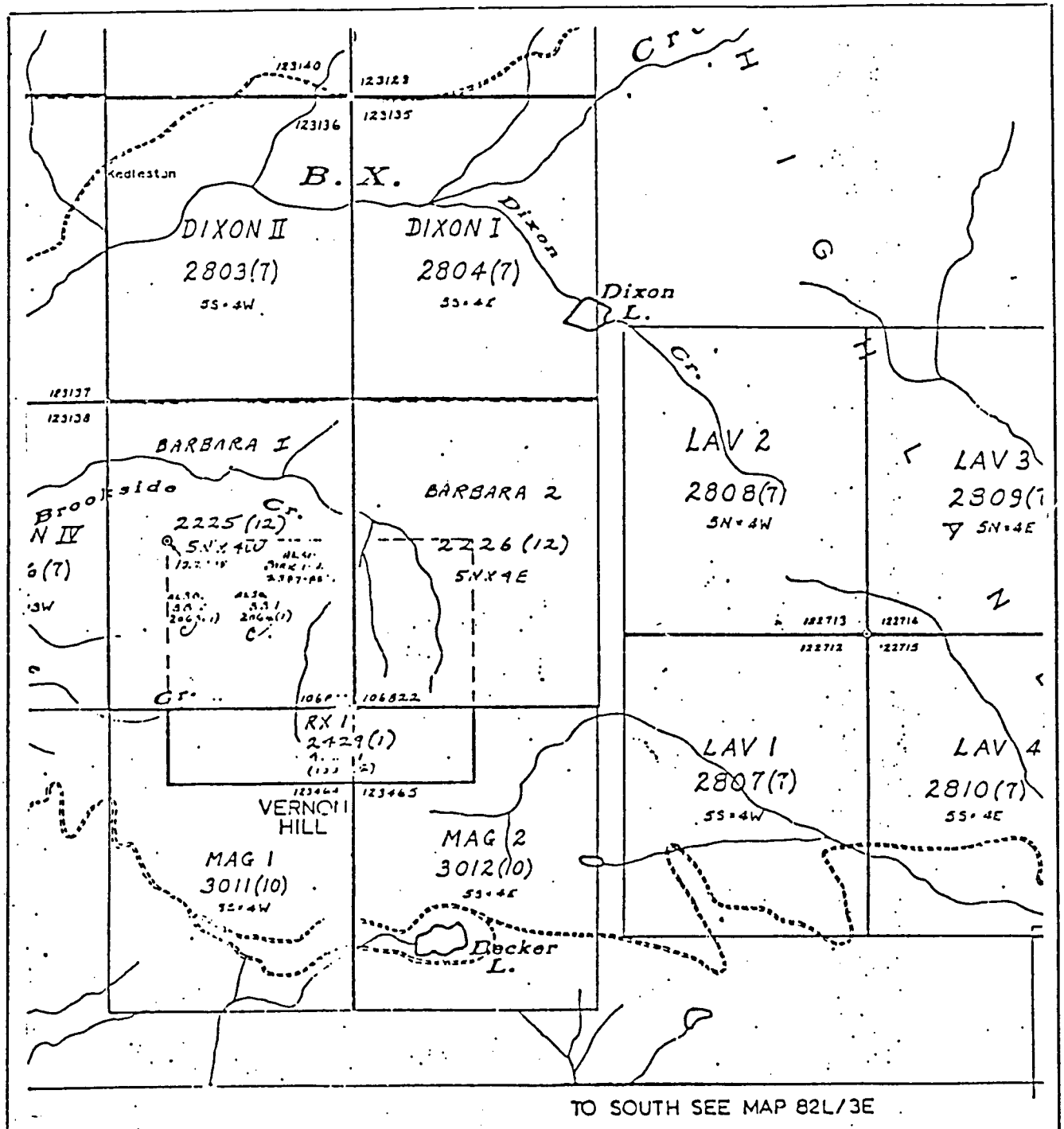
BP Resources Canada Limited

MINING DIVISION

MAG 1-2 CLAIMS

LOCATION MAP

SCALE: 1:50,000		DRAWN BY: RHW	FIG. 1.
DATE DEC'89	REV.:	DRAFTED BY: WDH	
N.T.S. 82L/6	PROJ.: 10147	REPORT: BPVR 89-07	



Scale 1 : 50 000

0 1 2 3

KILOMETRES

BP Resources Canada Limited
MINING DIVISION

MAG 1-2 CLAIMS

CLAIM MAP

SCALE: 1:50,000		DRAWN BY: WDH	FIG. 2.
DATE DEC89	REV.:	DRAFTED BY: WDH	
N.T.S. 82L/6	PROJ.: 10147	REPORT: BPVR 89-07	

C) Topography, Climate and Vegetation

The property lies on the southern edge of the Shuswap Highlands in an area of moderate relief encompassing a portion of the Coldstream Creek drainage. Elevations range from approximately 900 m - 1400 m above sea level.

The Vernon area is characterized by dry, warm summers and dry, cold winters. Average mid-summer temperatures are 18-20° C, while mid-winter temperatures average minus 5 - minus 10° C. Annual mean precipitation for the area is 30-40 cm.

Vegetation in the property area is characteristic of temperate rain forests. Cedar, hemlock and white pine at lower elevations give way to Douglas fir, lodgepole pine, tamarack and spruce on the upper slopes and ridges. Recent logging has taken place over an estimated 10% of the cliam area to date.

D) Previous Work

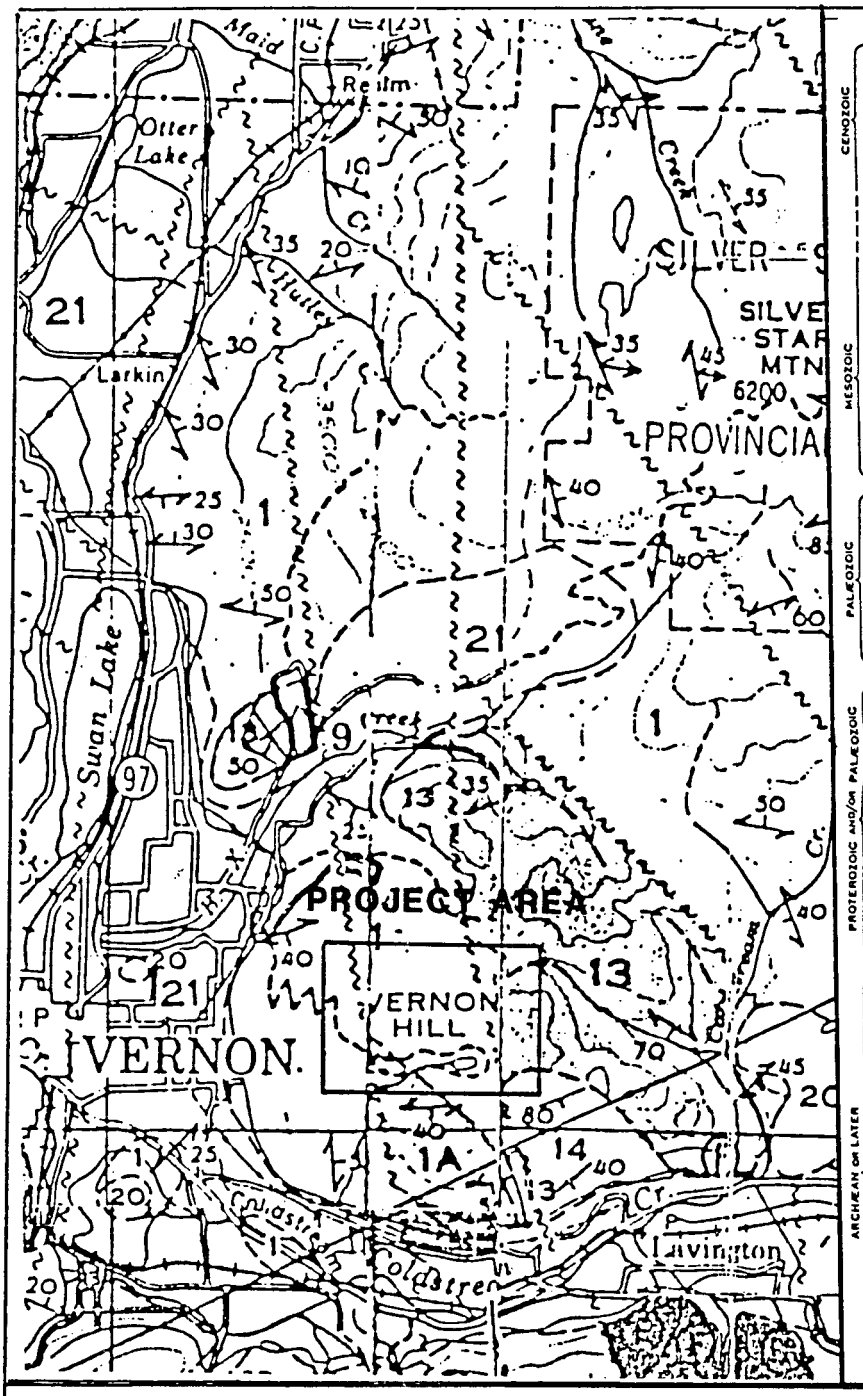
There are no known mineral showings recorded in the immediate claim area. Small portions of the area have been staked at various times prior to 1985. In 1985, Minequest Exploration Associates Ltd. conducted a regional programme of heavy mineral sampling and obtained significant gold anomalies on tributaries draining southeasterly into Coldstream Creek. BP Resources Limited became involved shortly thereafter.

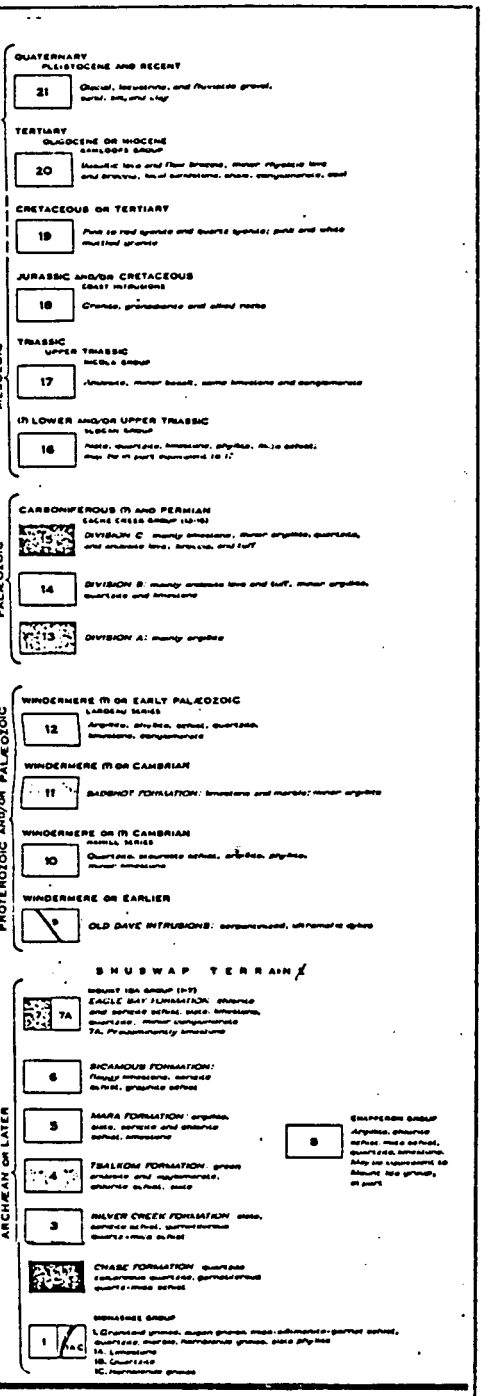
3. REGIONAL GEOLOGY

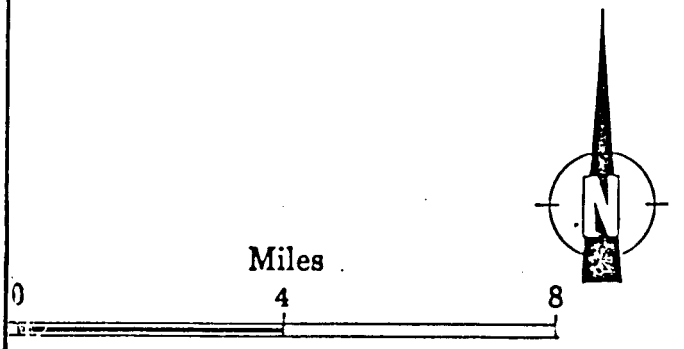
Much of the Vernon map-area (Figure 3) is underlain by rocks of the Shuswap Terrane, a series of highly metamorphosed, mainly sedimentary rocks of Precambrian age. Jones (1959) divides the Shuswap Terrane into three groups based on lithologic and stratigraphic variations and degree of regional metamorphism. The Monashee Group, dominated by high-grade rocks, is considered to represent the most deeply buried and therefore the lowest of the three groups stratigraphically. The Mount Ida and Chapperon Groups display lower grades of metamorphism and are thought to be, in part, stratigraphically equivalent.

Generally low-grade metamorphic rocks of Windemere and Early Paleozoic age are represented by the Hamill series quartzite, Badshot limestone, and Lardeau series slate, quartzite, limestone and conglomerate. These rocks occur only in the far northeast corner of the map-area where they are in probable fault contact with Shuswap rocks along the Columbia River.

Intrusions of Precambrian, and possibly pre-Windemere age, are entirely confined to the Shuswap rocks and consist of the Three Valley gabbro diorite, the Silver Star granite-pegmatite, and the Old Dave serpentinized ultramafic dykes. Relative to the main period of Shuswap deformation, Jones (1959) considers these intrusions to be pre-tectonic, syntectonic, and possibly post-tectonic, respectively.







BP Resources Canada Limited
MINING DIVISION

MAG CLAIMS
REGIONAL GEOLOGY

SCALE:		DRAWN BY:	FIG. 3.
DATE: DEC89	REV.:	DRAFTED BY: WDH	
N.T.S. 82L/6	PROJ.: 10147	REPORT: BPVR 89-07	

Shuswap rocks are overlain locally with angular unconformity by Carboniferous and Permian rocks of the Cache Creek Group. Cache Creek rocks are generally unmetamorphosed and divided into a basal unit of mainly argillite, a middle unit of andesitic flows and tuffs, argillite, quartzite and limestone, and an upper unit of mainly limestone with minor argillite and andesite.

Granitic to quartz dioritic intrusions, ranging in size from batholiths to narrow dykes, occur throughout the map-area. These are considered to be Jurassic-Lower Cretaceous in age.

Small syenitic plugs of probable Tertiary age are rare and have been recognized to date only in the area around Okanagan Lake.

Oligocene or early Miocene subaerial volcanics of the Kamloops Group were deposited on an early Tertiary erosional surface and underlie approximatey one-third of the west half of the map-area. Basalts predominate but andesite, trachyte and rhyolite may be present where accumulations are thick.

A Table of Formations is shown in Table I.

Extensive isoclinal recumbent folding and intense shearing within the Shuswap Terrane are related to an early phase of deformation and regional metamorphism. Jones (1959) considers this deformation to be be pre-Permian in age, as rocks of the Cache Creek Group are only weakly metamorphosed. More recent studies

TABLE I: TABLE OF FORMATIONS

Era	Period or epoch	Formation (thickness in feet)	Lithology
Cenozoic	Pleistocene and Recent		Glacial gravels, morainal debris, silt, clay, lake and stream sediments
	Unconformity		
	Tertiary (Oligocene or Lower Miocene)	Kamloops group 500 - 3,000	Basaltic and andesitic lavas and dykes, pyroclastic breccia, tuff; sandstone, shale, conglomerate; coal
Unconformity			
Mesozoic and (?) Cenozoic	Cretaceous and (?) Tertiary	Coast intrusions	Granite, granodiorite; aplite, pegmatite, and allied rocks; batholiths, stocks, dykes
Intrusive contact			
Mesozoic	Triassic	Nicola group	Basaltic and andesitic lavas, flow breccias; limestone, conglomerate, slate
		Sicamn group	Phyllite, slate, limestone; quartzite, gneiss, schist; minor volcanic rocks
Paleozoic	Carboniferous (?) and Permian	Cache Creek group 25,000	Argillite, andesite and basalt lava, tuff; sandstone, limestone, slate, phyllite, conglomerate
Precambrian or Paleozoic	Windermere or Lower Paleozoic	Lardeau series	Argillite, phyllite, mica schist, quartzite, and limestone
		Badshot formation 300	Limestone and marble
Era	Period or epoch	Formation (thickness in feet)	Lithology
Precambrian and (?) Paleozoic	Windermere and (?) Cambrian	Hamill series 8,000+	Quartzite, mica schist, argillite, phyllite, limestone
Unconformity (?)			
Precambrian	Pre-Windermere?	Old Dave intrusions	Serpentinized ultramafic dykes
		Silver Star intrusions	Granite, pegmatite
		Three Valley intrusions	Gabbro or diorite
Precambrian	Pre-Windermere?	Intrusive contact	
		Shuswap terrane: Chapperon group[1] 5,000+	Argillite, chlorite schist, mica schist, quartzite, limestone
		Contact unknown	
		Mount Ida group 60,000: Eagle Bay formation 30,000+	Chlorite schist, sericite schist, slate, limestone, quartzite, mica schist
		Mount Ida group 60,000: Sicamous formation 7,000	Flaggy limestone, sericite schist, graphitic schist
		Mount Ida group 60,000: Mara formation 3,000	Argillite, slate, sericite schist, chlorite schist, limestone
		Mount Ida group 60,000: Tsalkom formation 4,000	Chlorite schist, slate, hornblende gneiss
		Mount Ida group 60,000: Silver Creek formation 10,000	Slate, sericite schist, garnetiferous mica schist
		Mount Ida group 60,000: Chase formation 4,000	Quartzite, calcareous quartzite, garnetiferous mica schist
		Contact unknown	
		Monashee group 50,000+	Granitoid gneiss, mica-sillimanite-garnet schist, quartzite, hornblende gneiss, limestone, marble, dolomite, slate, phyllite

[1]Probably partly equivalent to Mount Ida group.

(Price, et al, 1985) suggest deformation and metamorphism of the Shuswap rocks to be a consequence of large-scale crustal thickening and compressional tectonics during terrane accretion in the Lower to Middle Jurassic. A younger period of deformation, probably of Tertiary age, resulted in block-faulting, gentle warping, and upright open folding.

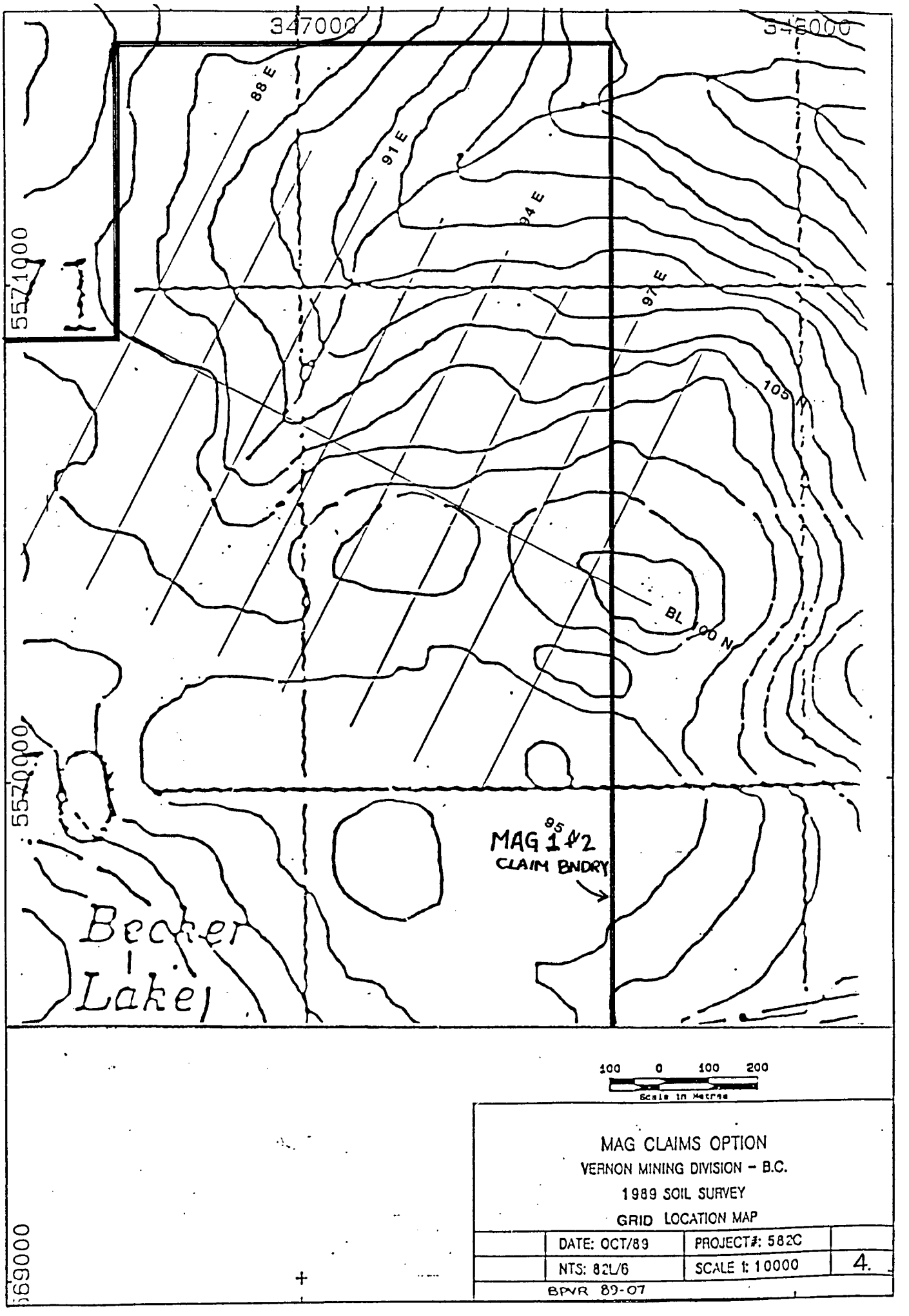
4) LINECUTTING AND GEOCHEMICAL SURVEY

A) Introduction

In early October, 1989, a crew of two men, contracted from de La Mothe Exploration Services Ltd. of North Vancouver, conducted a linecutting and soil geochemical survey on the MAG 2 claim on behalf of BP Resources Canada Limited.

A northwest-southeast base-line of 1200 m length was cut with axe and chainsaw and stations were marked by pickets with inscribed metal tags at 50 m intervals. Flagged cross-lines of 1000 m length were run by compass and topofil every 150 m from the base-line. Stations at 50 m intervals were marked by pickets on these cross-lines. Location, orientation, and coordinates of the grid are shown in Figure 4.

A total of 180 soil samples were collected at 50 m intervals on the base-line and all cross-lines. Samples were obtained from the BF horizon at an average depth of 10-20 cm except where swampy ground prohibited sampling.



MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

GRID LOCATION MAP

	DATE: OCT/89	PROJECT#: 582C	
	NTS: 82L/6	SCALE 1: 10000	4.
BPVR 89-07			

All samples were submitted to Acme Analytical Laboratories in Vancouver where they were dried and sieved to -80 mesh. This fraction was then analyzed by multi-element ICP. Gold was determined geochemically following an aqua regia digestion. Analytical procedures are reported in Appendix I.

B) Discussion of Results

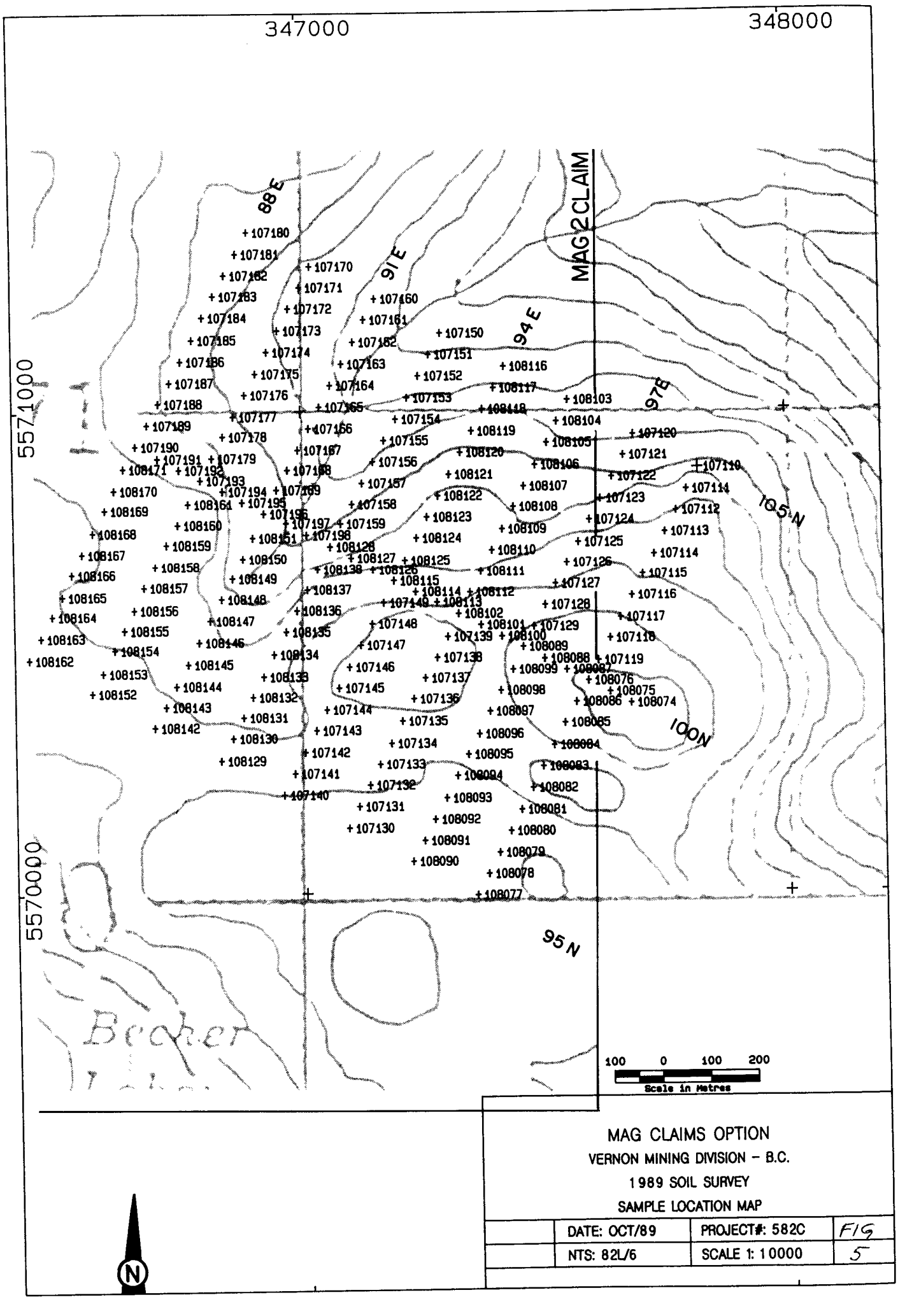
Results were interpreted following procedures outlined in Appendix II. Complete analytical results are included in Appendix III. Figure 5 shows the location of each sample.

Gold (Figure 6)

The gold anomaly threshold is established at 9-15 ppb and high values are in the 50-750 ppb range. Two northwest-trending anomalies are evident; a strong, relatively continuous feature located grid south of the base-line (Anomaly A), and a weaker sporadic feature located grid north of the base-line (Anomaly B).

The stronger Anomaly A appears to be centred on line 95+50E where it is 200 m wide and displays soil values ranging from 11-750 ppb. Line 94E shows a slight decrease in width and a substantial decrease in gold enrichment (peak value 69 ppb). On other lines, anomalous values are sporadic but locally high (up to 730 ppb).

The weaker Anomaly B appears to represent a much narrower bedrock source and is defined by single point anomalies (values up to 135 ppb) on four lines. It is possible that some of these anomalous values may be due to downslope dispersion from Anomaly A.



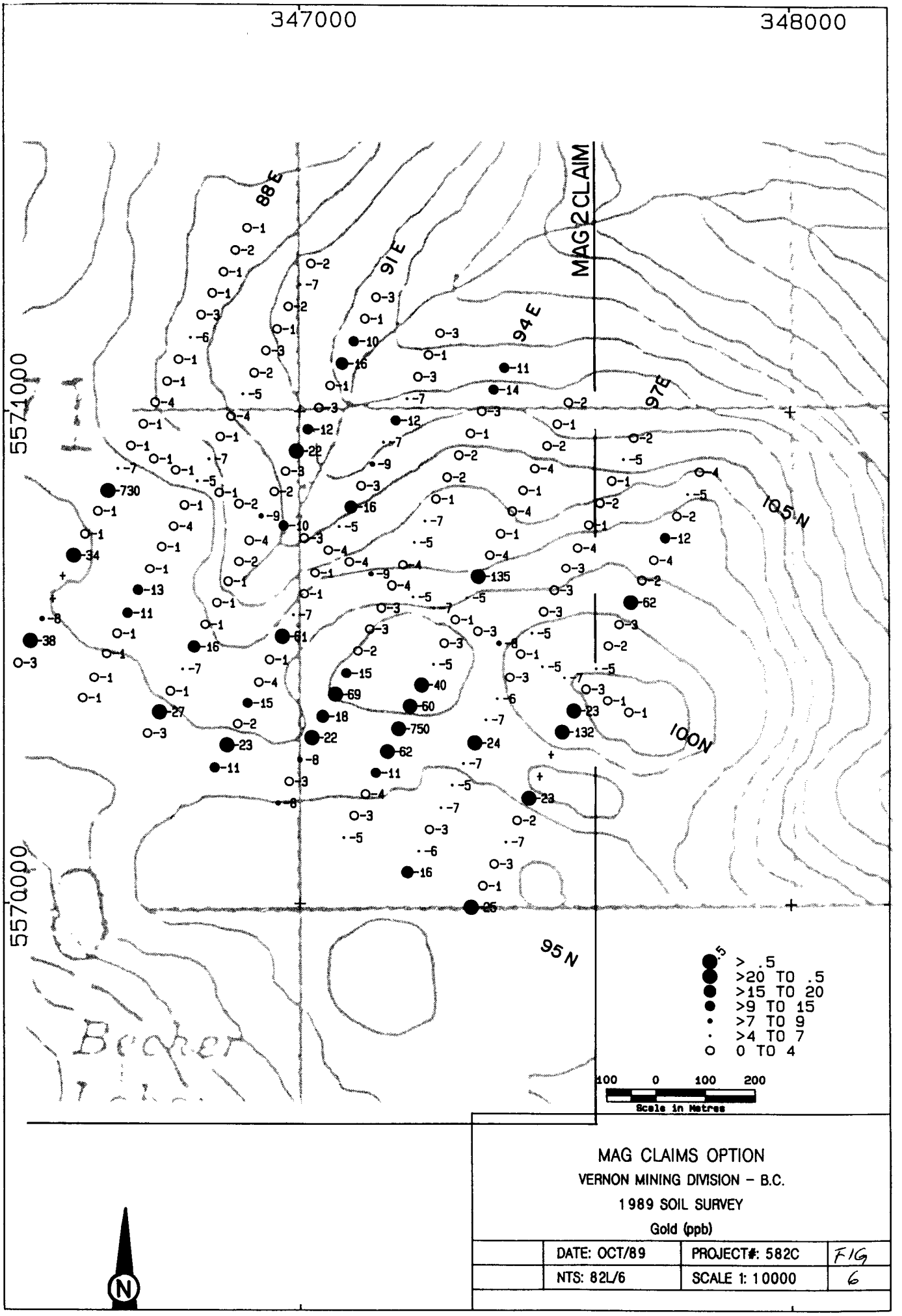
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

SAMPLE LOCATION MAP

	DATE: OCT/89	PROJECT#: 582C	FIG
	NTS: 82L/6	SCALE 1: 10000	5



MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Gold (ppb)

	DATE: OCT/89	PROJECT#: 582C	FIG
	NTS: 82L/6	SCALE 1: 10000	6

Silver (Figure 7)

A silver anomaly, with values up to 2.7 ppm, appears to halo the Anomaly A gold zone. An almost antipathetic relationship between silver and gold is evident, especially on lines 94E, 95+50E and 97E.

Arsenic (Figure 8)

Moderately to strongly anomlous arsenic values (81-561 ppm) clearly halo the Anomaly A gold zone. This effect is particularly striking between lines 94E and 98+50E. The width of the halo is up to 200 m on the north. On the south it is unclosed.

Antimony (Figure 9)

Shows no enrichment.

Bismuth (Figure 10)

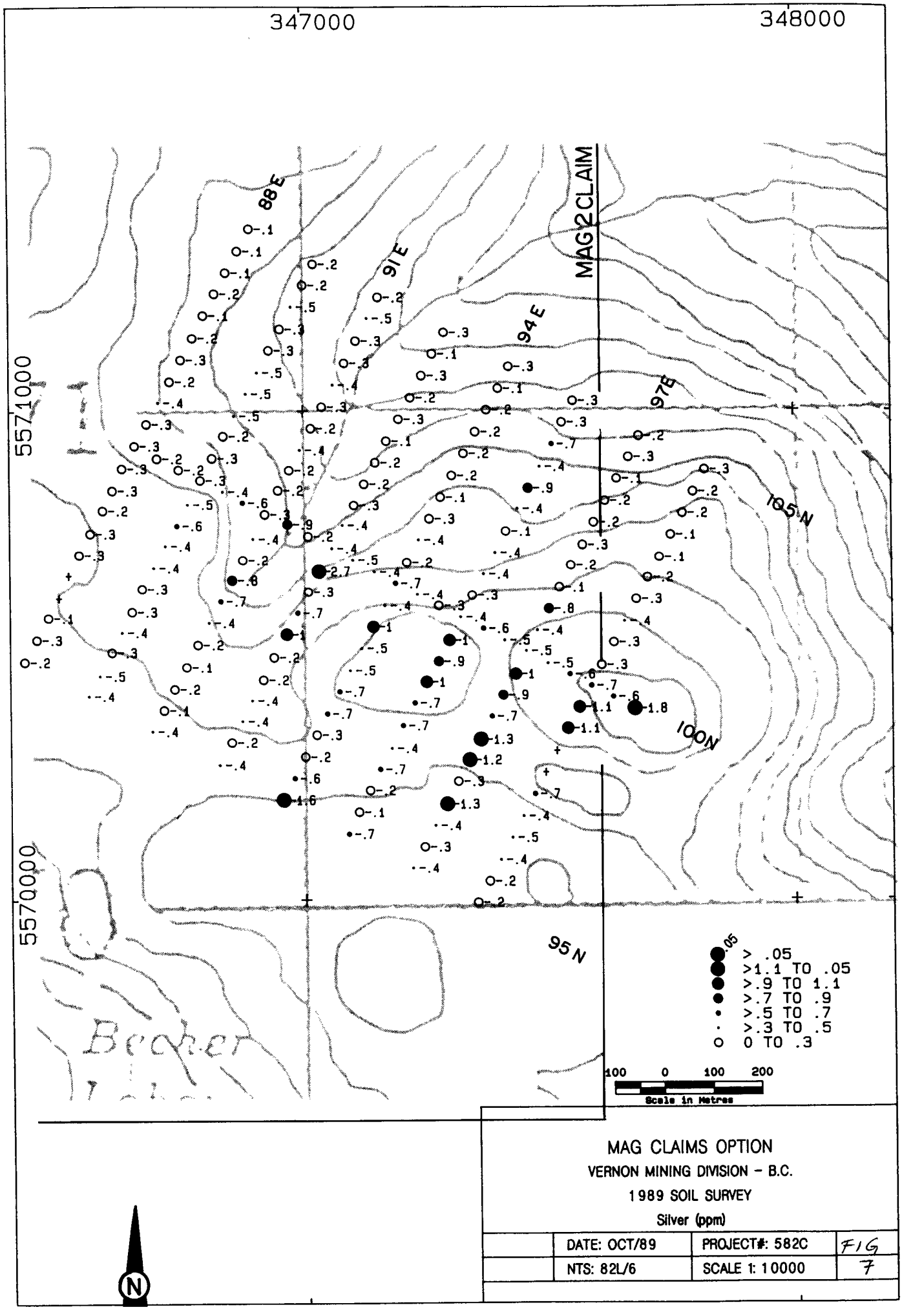
Shows no enrichment.

Molybdenum (Figure 11)

Shows no enrichment.

Copper (Figure 12)

A moderately anomalous zone of copper (peak value 187 ppm) coincides with and partially haloes the Anomaly A gold zone. A lower intensity copper anomaly occurs north of the base-line and is probably due to downslope hydromorphic dispersion from the western end of the main copper anomaly.



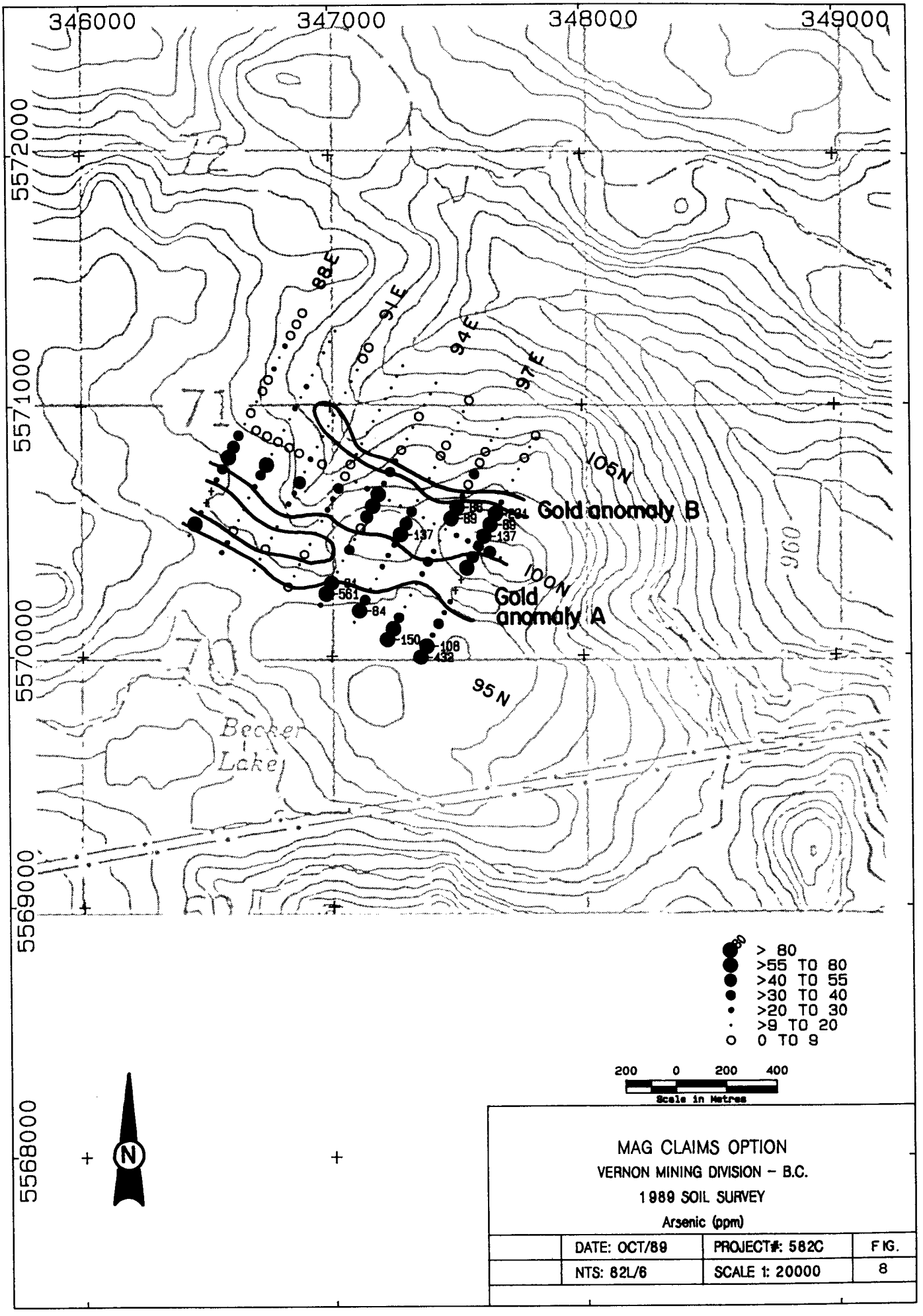
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Silver (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG
	NTS: 82L/6	SCALE 1: 10000	7



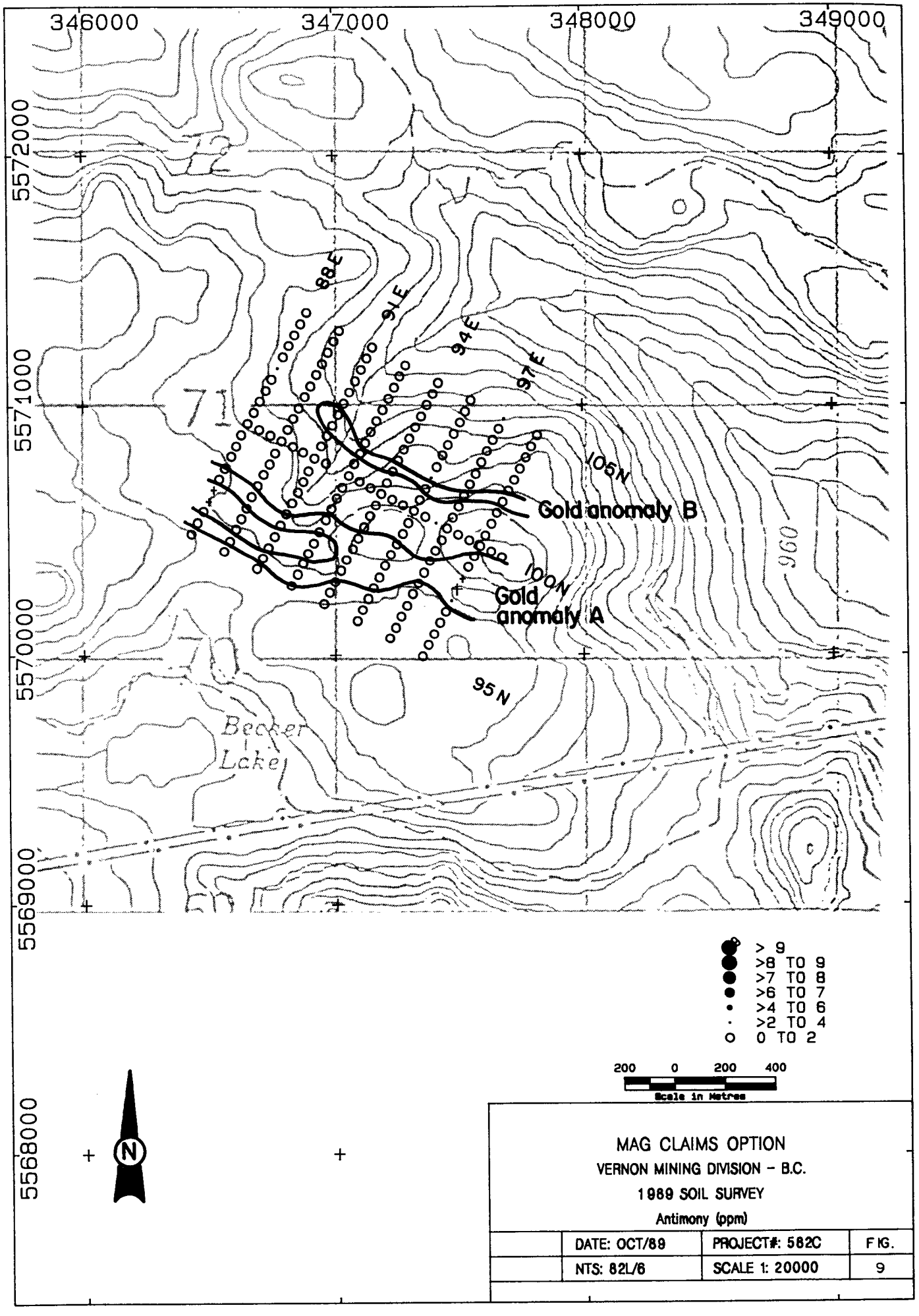
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Arsenic (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	8



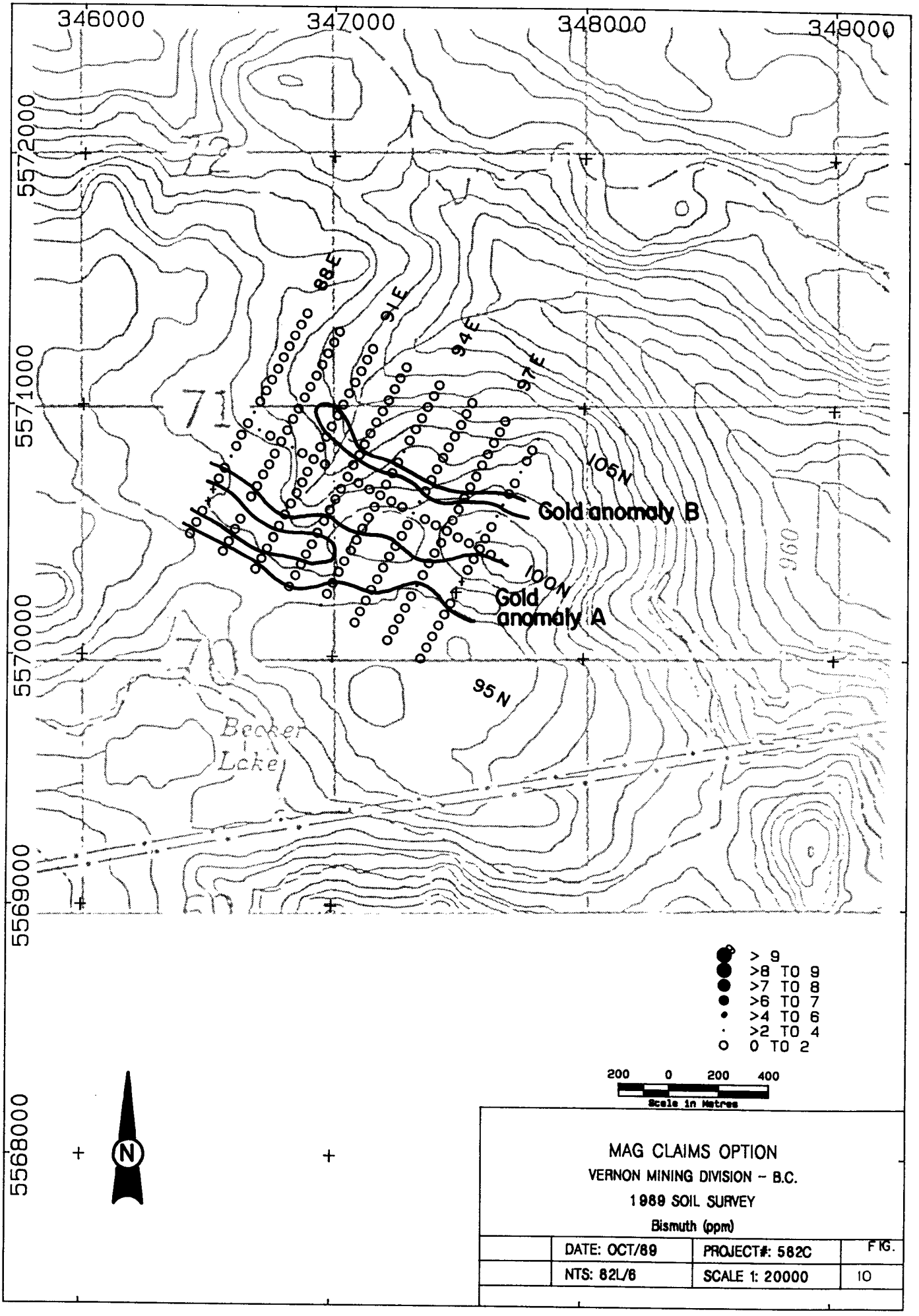
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Antimony (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	9



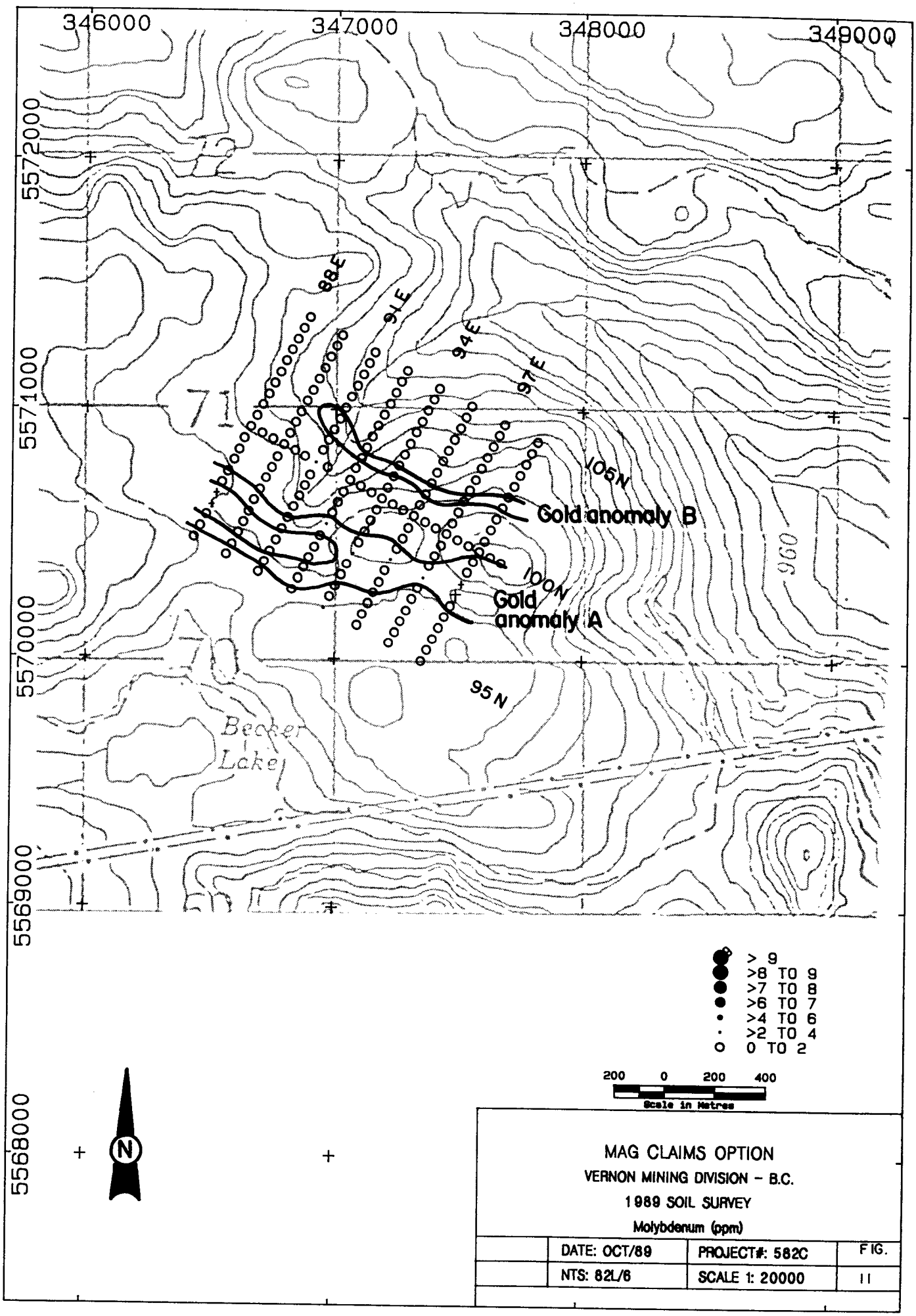
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Bismuth (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	10



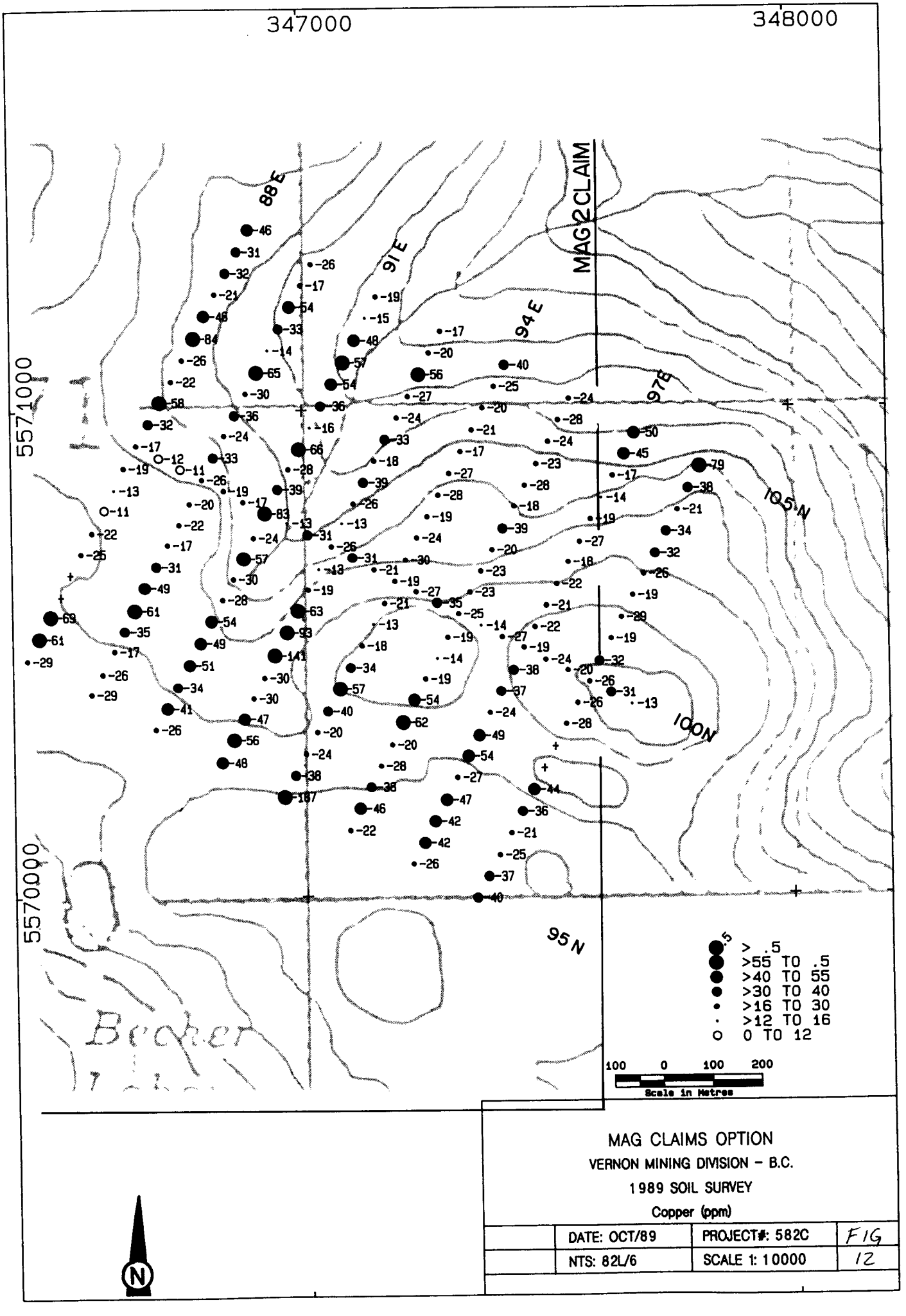
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Molybdenum (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	11


347000
348000
5571000
5570000
MAG 2 CLAIM
88E
91E
94E
97E
105N
100N
95N
> .5
>55 TO .5
>40 TO 55
>30 TO 40
>16 TO 30
>12 TO 16
0 TO 12
100 0 100 200
Scale in Metres
N
MAG CLAIMS OPTION
VERNON MINING DIVISION - B.C.
1989 SOIL SURVEY
Copper (ppm)
DATE: OCT/89
PROJECT#: 582C
FIG
NTS: 82L/6
SCALE 1: 10000
12

Lead (Figure 13)

A moderately to strongly anomalous lead zone (peak value 158 ppm) occurs from line 92+50E to 98+50E partially coinciding with and partially extending beyond the Anomaly A gold zone. West of 92+50E, lead shows a much more sporadic and less intense enrichment.

Zinc (Figure 14)

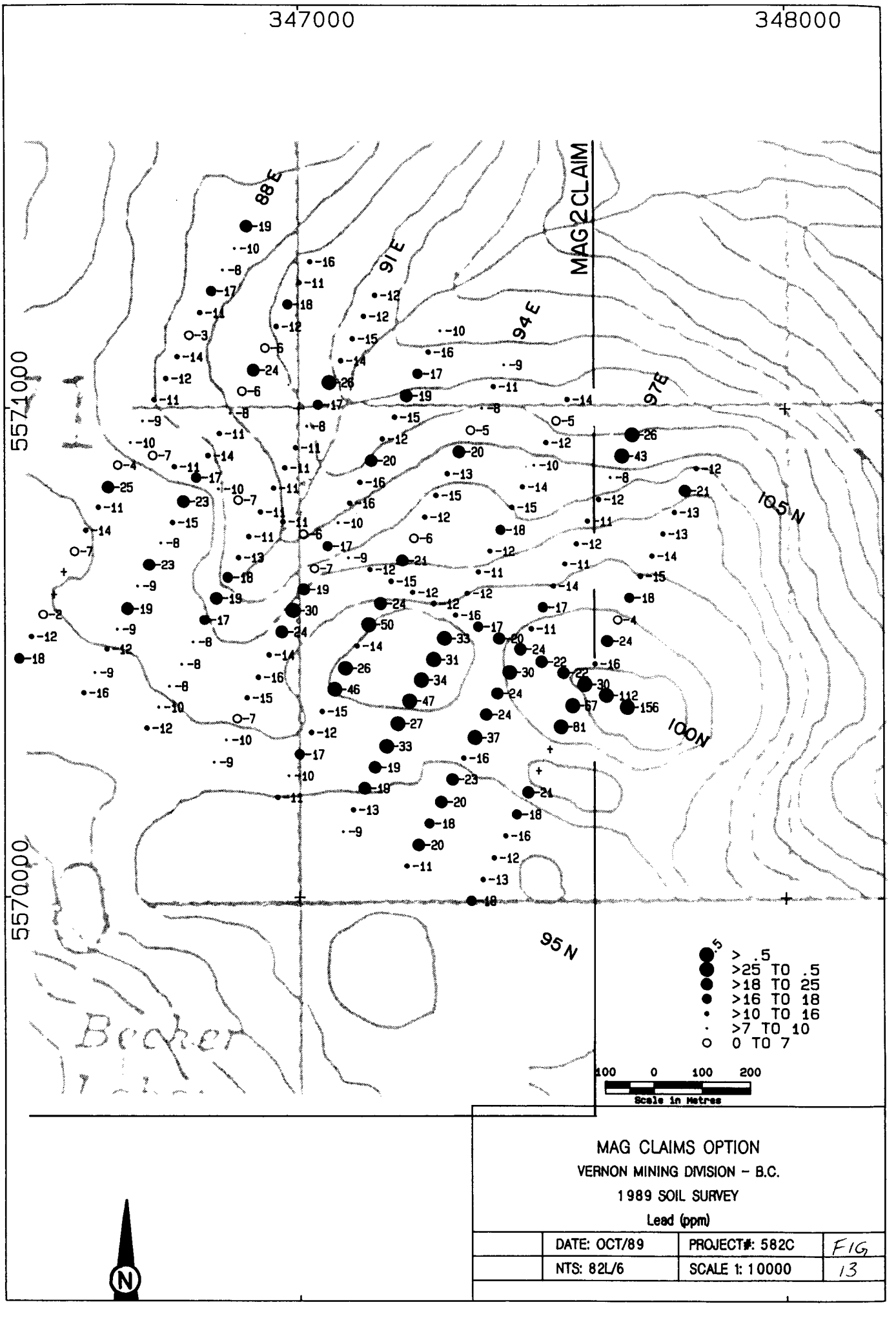
A strong zinc anomaly with values up to 1200 ppm shows a rather distinct pattern. The anomaly coincides with and extends beyond the Anomaly A gold zone. However, the anomaly is assymmetric in that it extends beyond the gold anomaly only on the grid north side of the gold anomaly. This is unlike the symmetrical patterns displayed by silver, arsenic, copper and lead. Again, like lead, the zinc anomaly is strongest between lines 92+50E and 98+50E.

Cadmium (Figure 15)

Weakly to moderately anomalous cadmium (up to 12 ppm) comprises an assymmetric halo to the Anomaly A gold zone. Occurring on the grid north side of the gold zone, it is up to 100 m wide and extends from line 92+50E to 97E.

Iron (Figure 16)

Iron shows a moderate enrichment within and adjacent to the Anomaly A gold zone. Iron also displays increased levels at the far grid north end of the grid. This latter feature may be lithologically controlled as andesitic rocks have been mapped in the area.



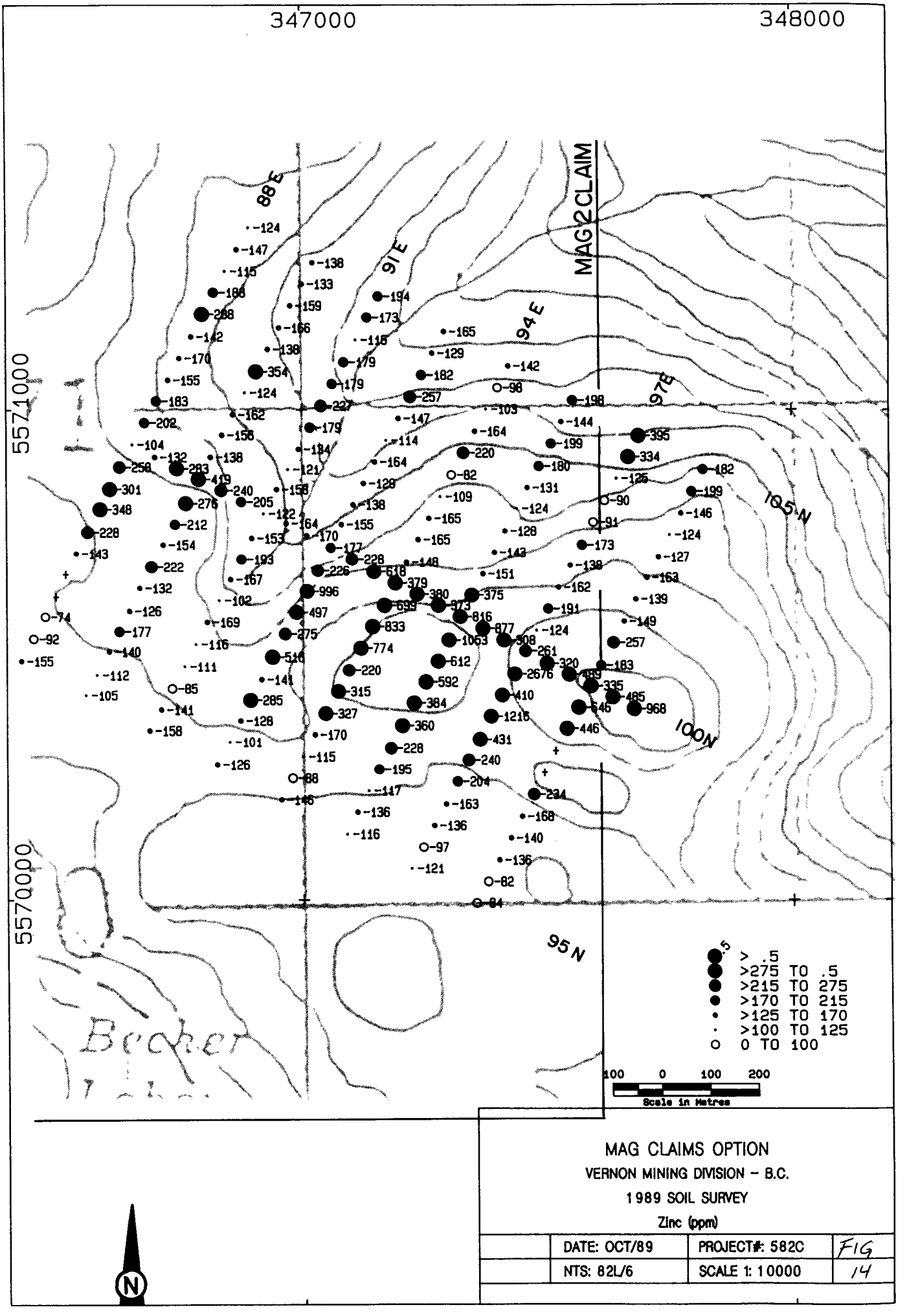
MAG CLAIMS OPTION

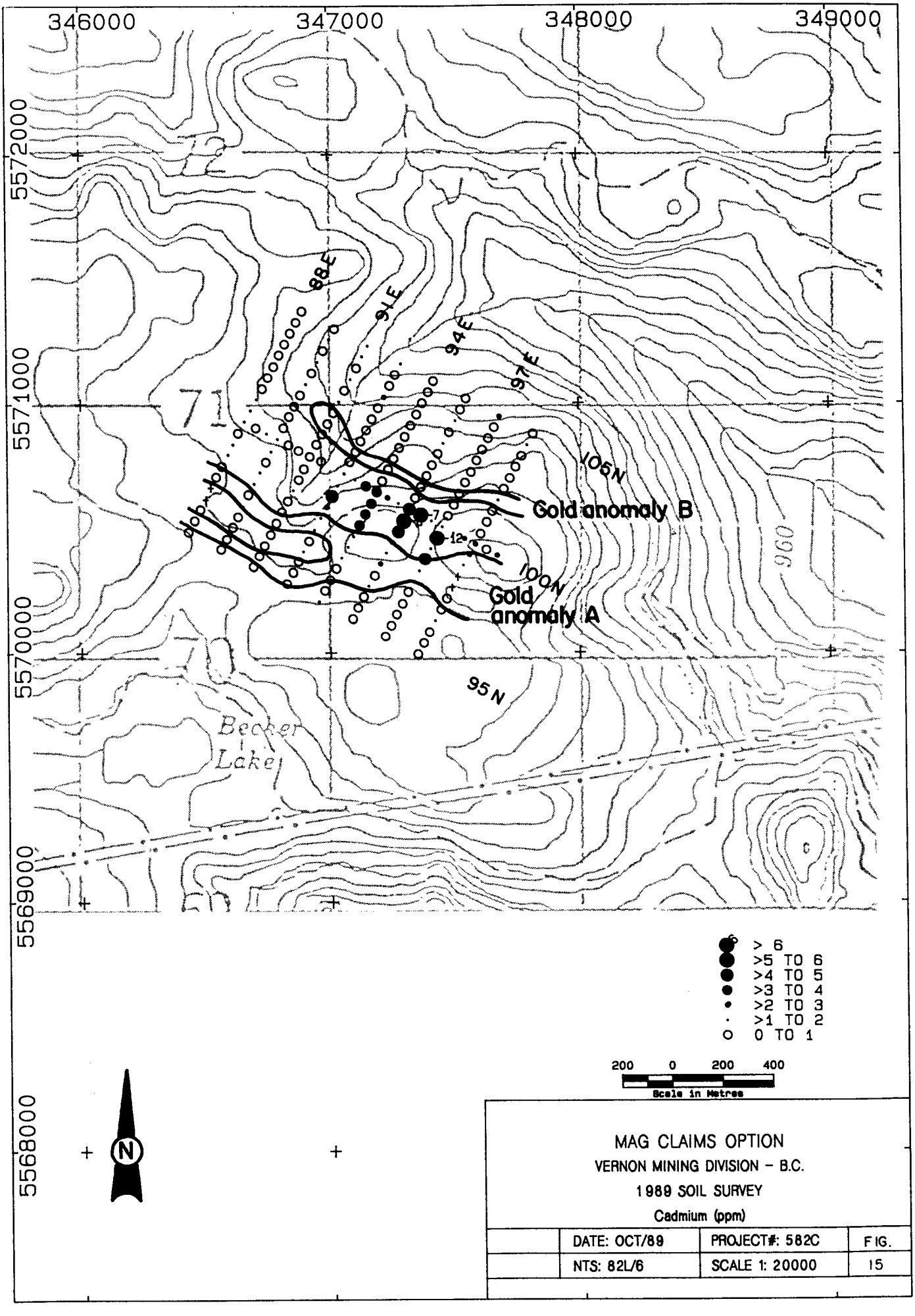
VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Lead (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG
	NTS: 82L/6	SCALE 1: 10000	13


347000
348000
5571000
5570000
88E
91E
94E
97E
MAG 2 CLAIM
105N
100N
95N
> .5
>275 TO .5
>215 TO 275
>170 TO 215
>125 TO 170
>100 TO 125
0 TO 100
100 0 100 200
Scale in Metres
MAG CLAIMS OPTION
VERNON MINING DIVISION - B.C.
1989 SOIL SURVEY
Zinc (ppm)
DATE: OCT/89
PROJECT#: 582C
FIG
NTS: 82L/6
SCALE 1: 10000
14



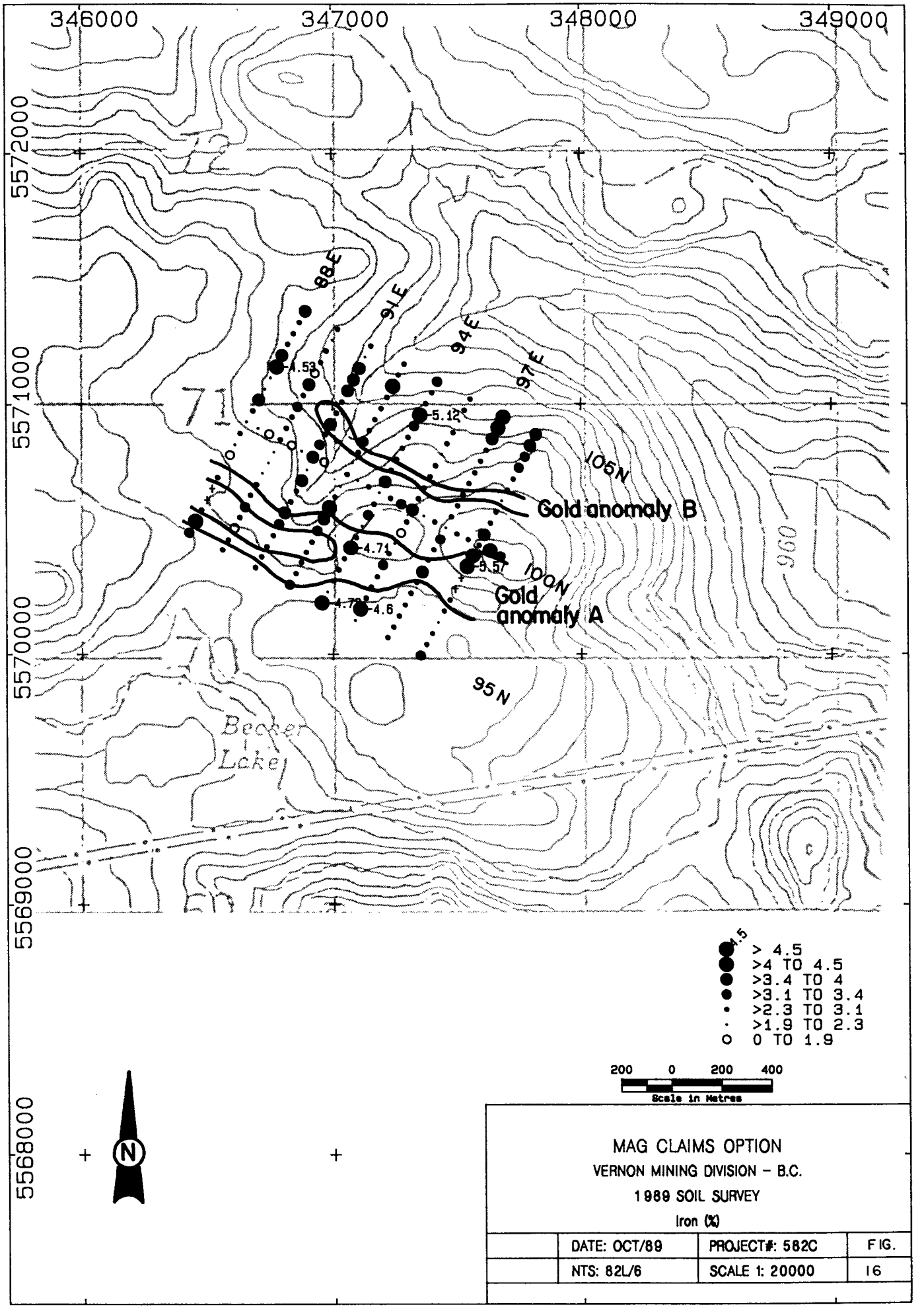
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Cadmium (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	15



MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Iron (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	16

Manganese (Figure 17)

Moderately anomalous manganese (up to 1888 ppm) comprises a weak halo to the Anomaly A gold zone. This halo appears to be more prominent on the grid north side of the gold zone.

Cobalt (Figure 18)

Cobalt anomalies up to 22 ppm comprise no clearly recognizable distribution with respect to either gold zone.

Nickel (Figure 19)

Nickel value up to 76 ppm comprise a weak halo to the Anomaly A gold zone. Grid north of the base-line, nickel values from 60-95 ppm occur at the northern and northwestern ends of the grid. Like iron, this apparent anomaly may be lithologically controlled.

Chromium (Figure 20)

Similar to nickel.

Vanadium (Figure 21)

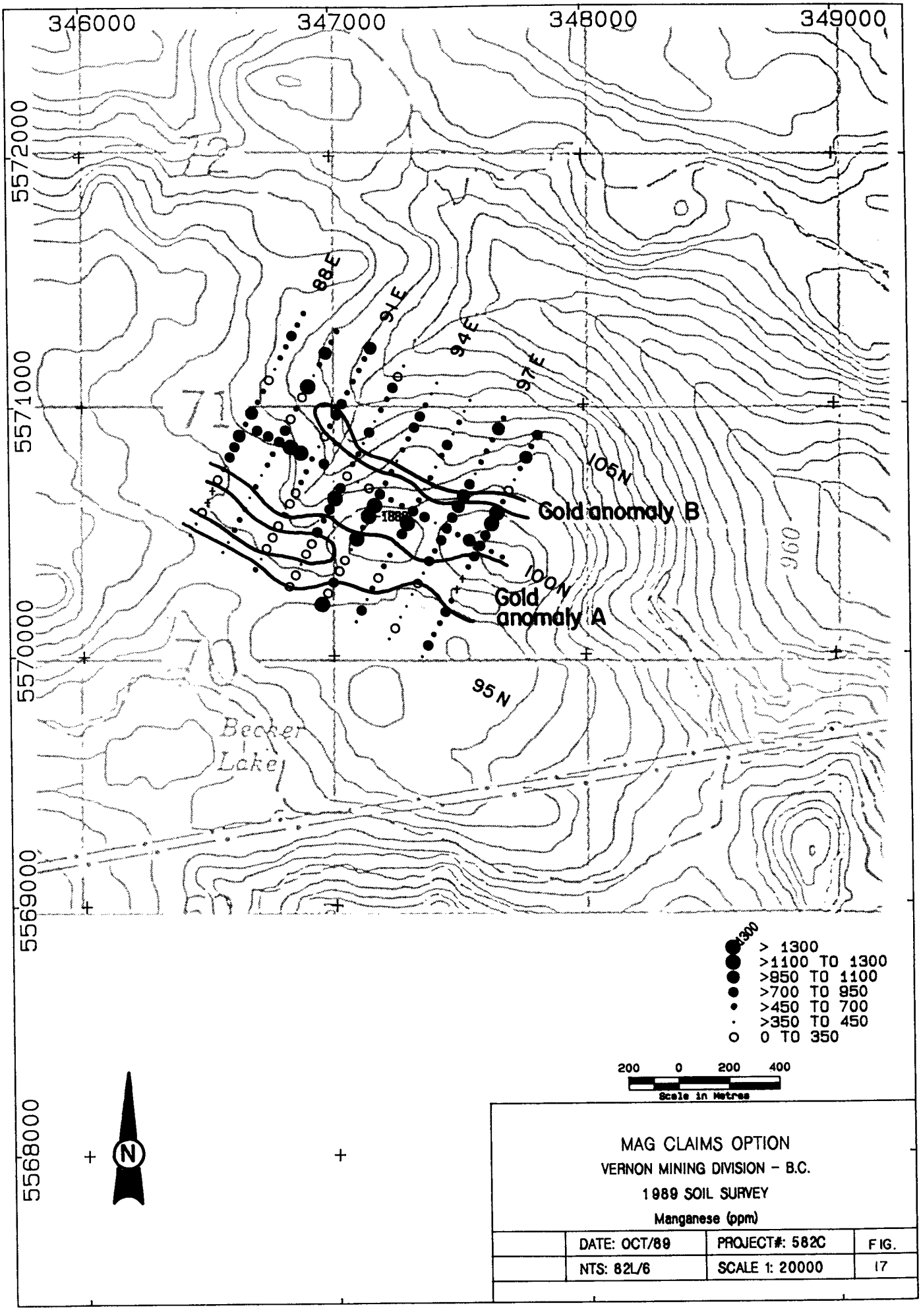
Shows no recognizable distribution with respect to gold zones.

Barium (Figure 22)

Shows no recognizable distribution with respect to gold zones.

Strontium (Figure 23)

Strongly anomalous strontium comprises a probable but sporadic halo to the Anomaly A gold zone. Values range from 78-234 ppm.



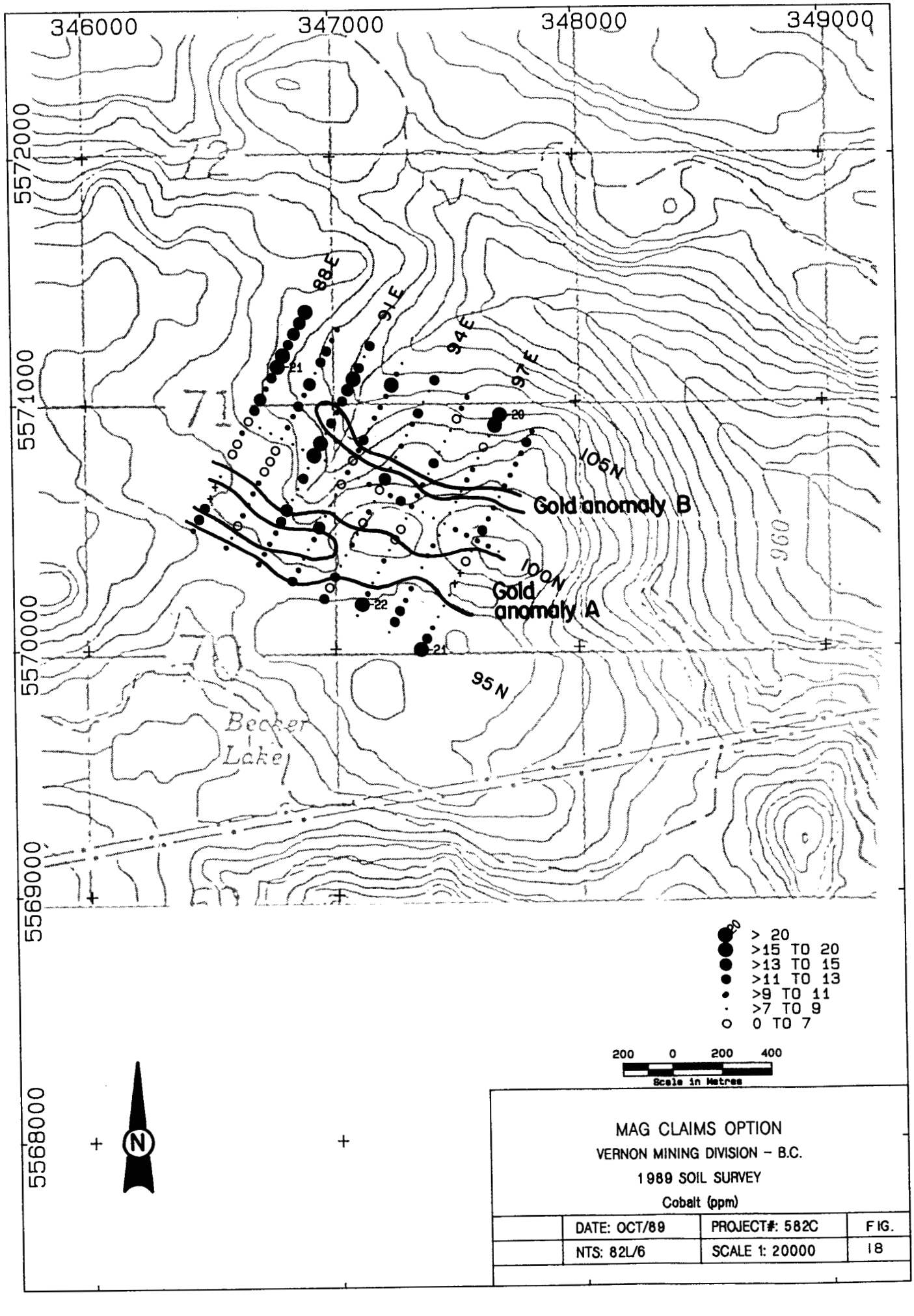
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Manganese (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	17



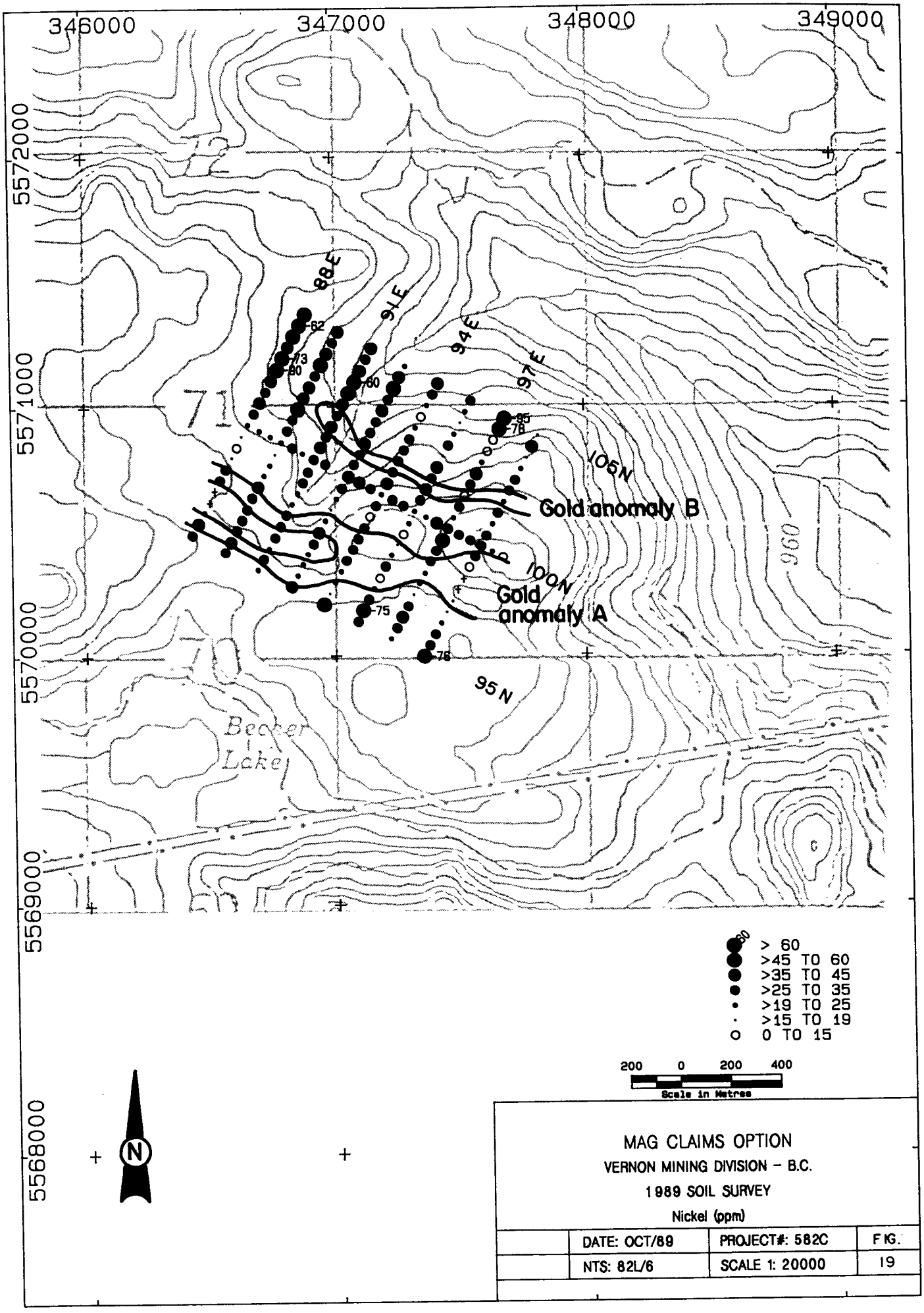
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Cobalt (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	18



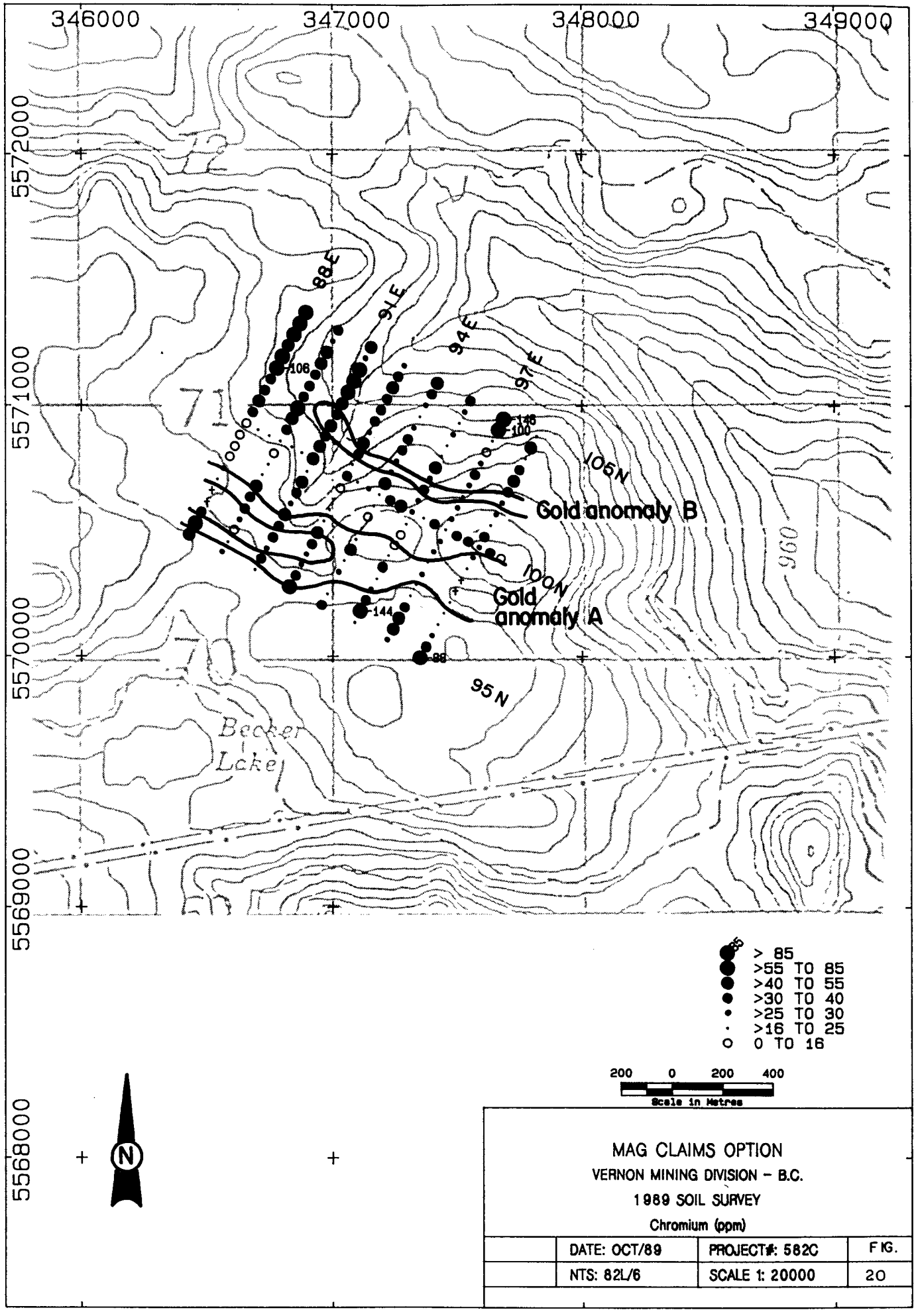
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Nickel (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	19



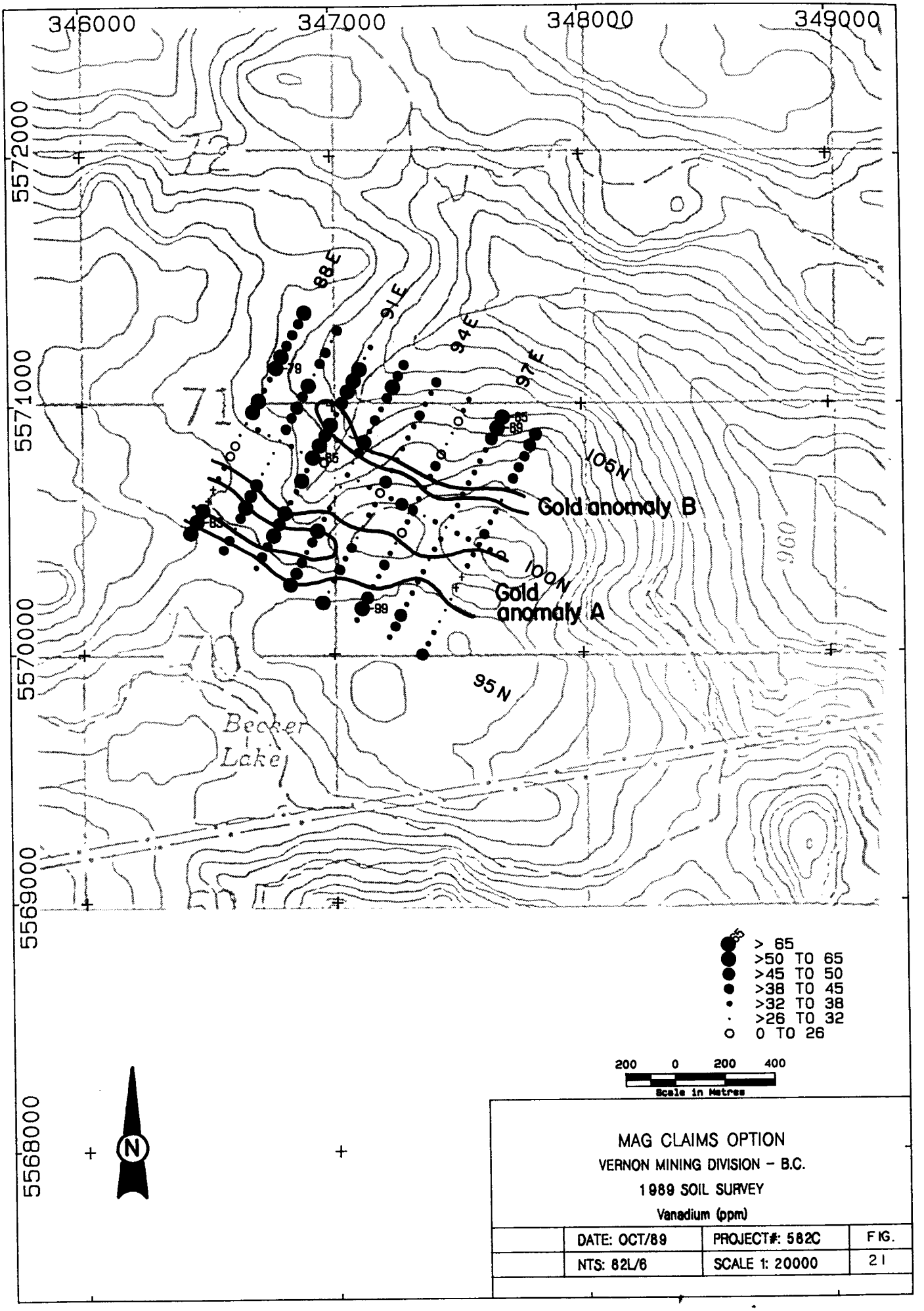
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Chromium (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	20



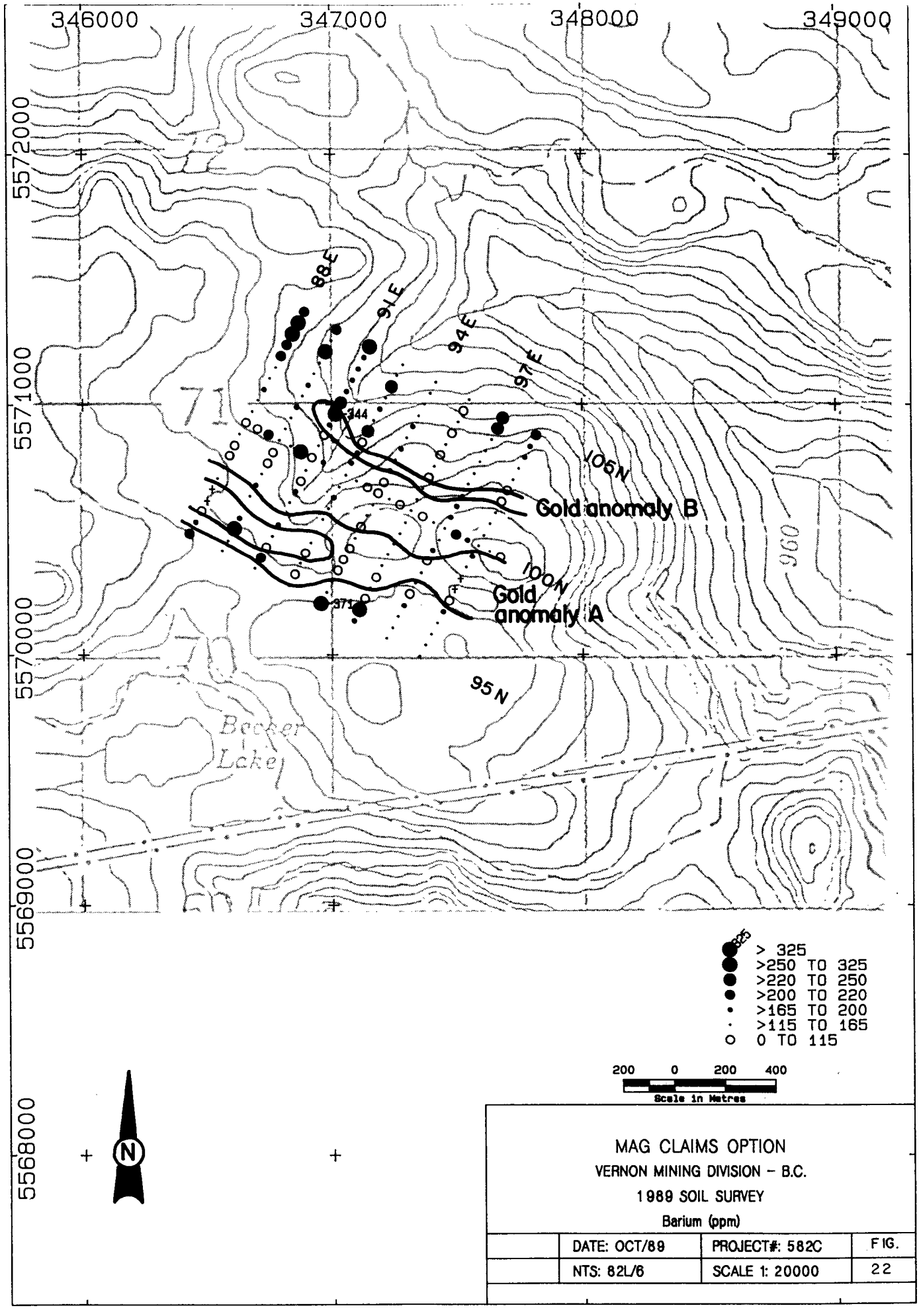
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Vanadium (ppm)

	DATE: OCT/89	PROJECT#: 562C	FIG.
	NTS: 82L/6	SCALE 1: 20000	21



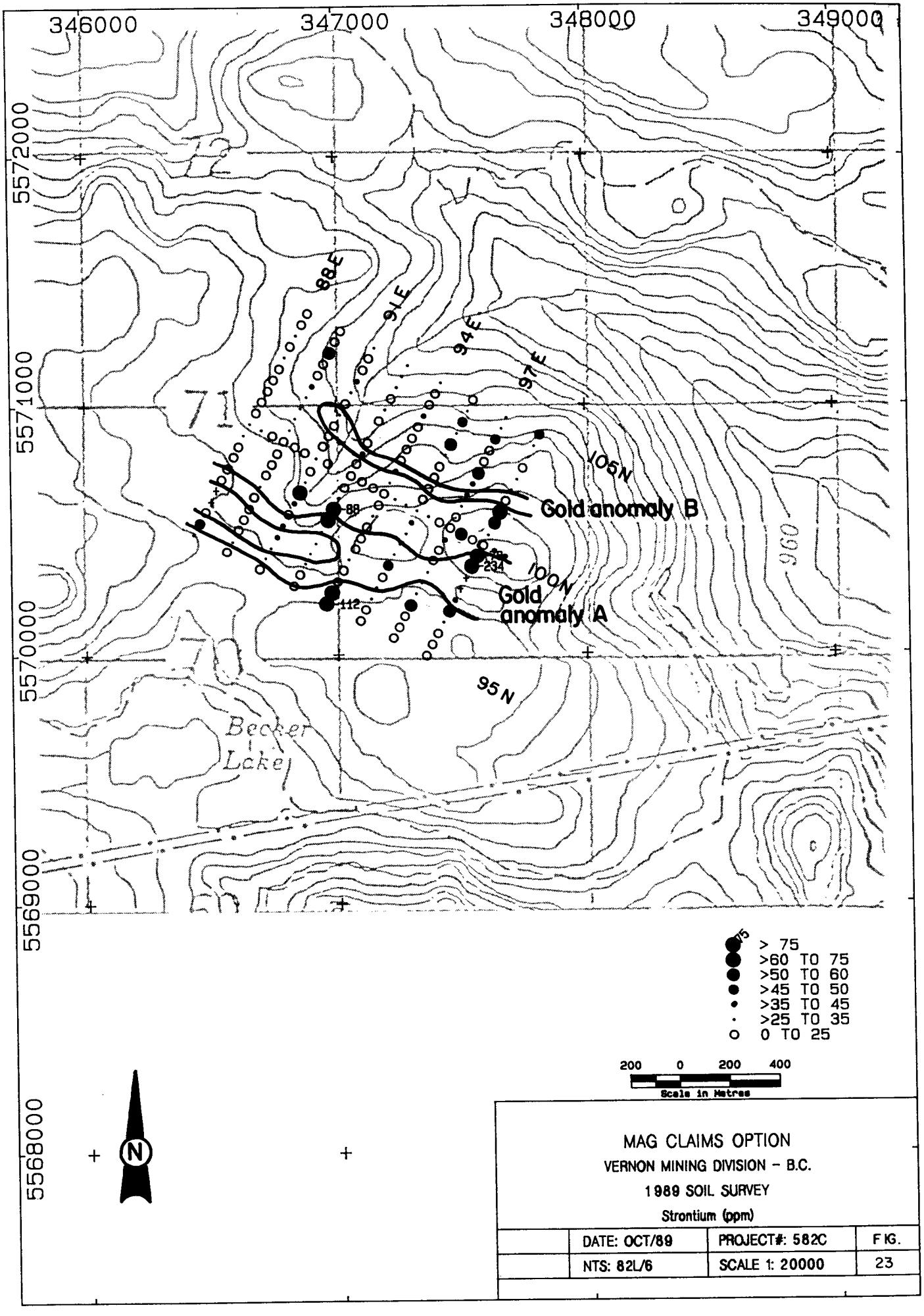
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Barium (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	22



MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Strontium (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	23

Calcium (Figure 24)

Similar to strontium.

Magnesium (Figure 25)

The Anomaly A gold zone shows a slight depletion in magnesium, particularly on lines 94E to 97E. Grid north of the base-line, elevated magnesium values may be lithologically controlled.

Aluminum (Figure 26)

The Anomaly A gold zone shows a slight depletion in aluminum (most evident on line 95+50E).

Potassium (Figure 27)

Shows no recognizable distribution with respect to gold zones. Elevated values at north end of grid may be lithologically controlled.

Titanium (Figure 28)

Similar to potassium.

Phosphorus (Figure 29)

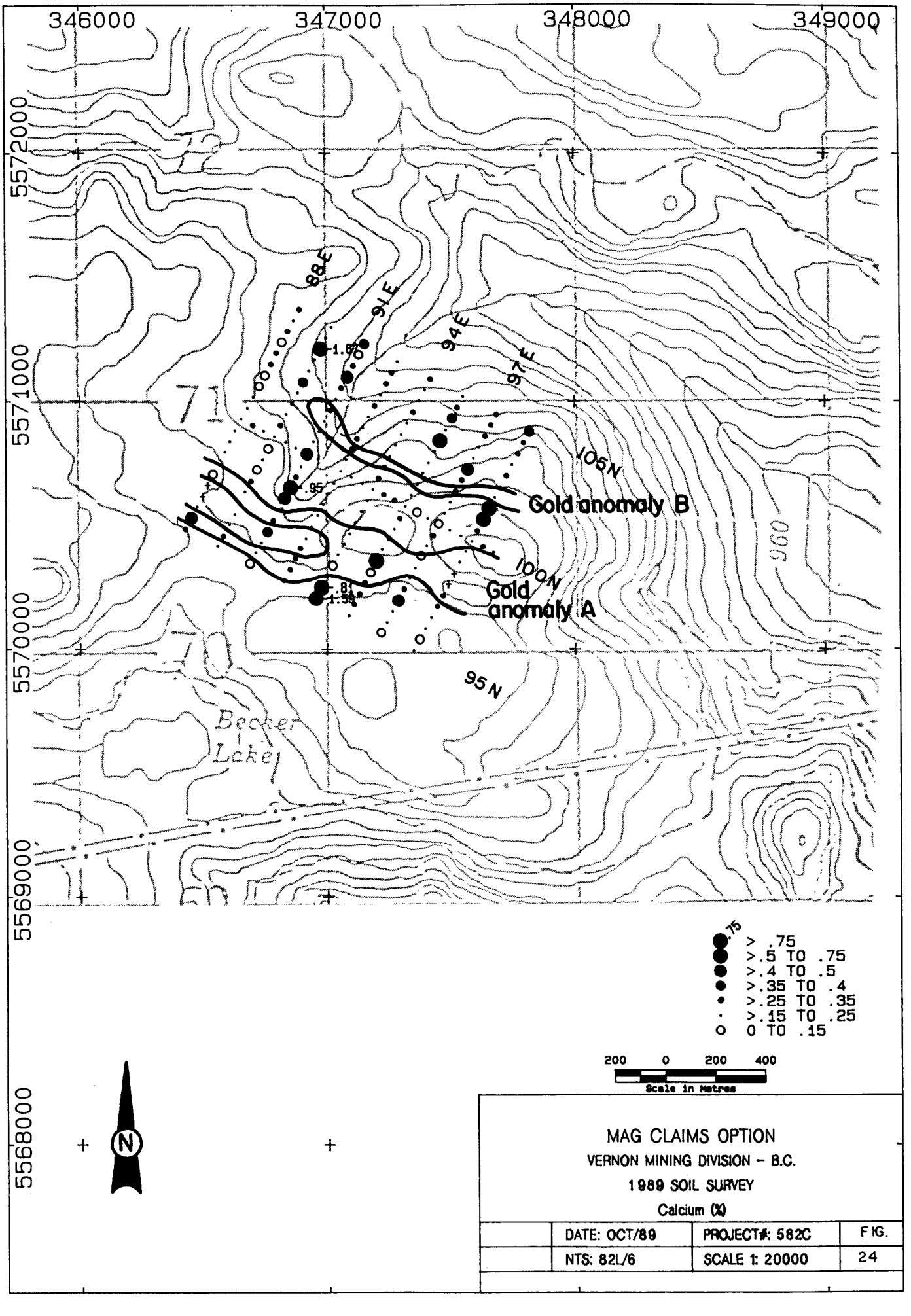
Possible weak depletion with respect to Anomaly A gold zone.

Tungsten (Figure 30)

Shows no enrichment.

Lanthanum (Figure 31)

Possible partial but sporadic halo to Anomaly A gold zone. Values to 47 ppm.



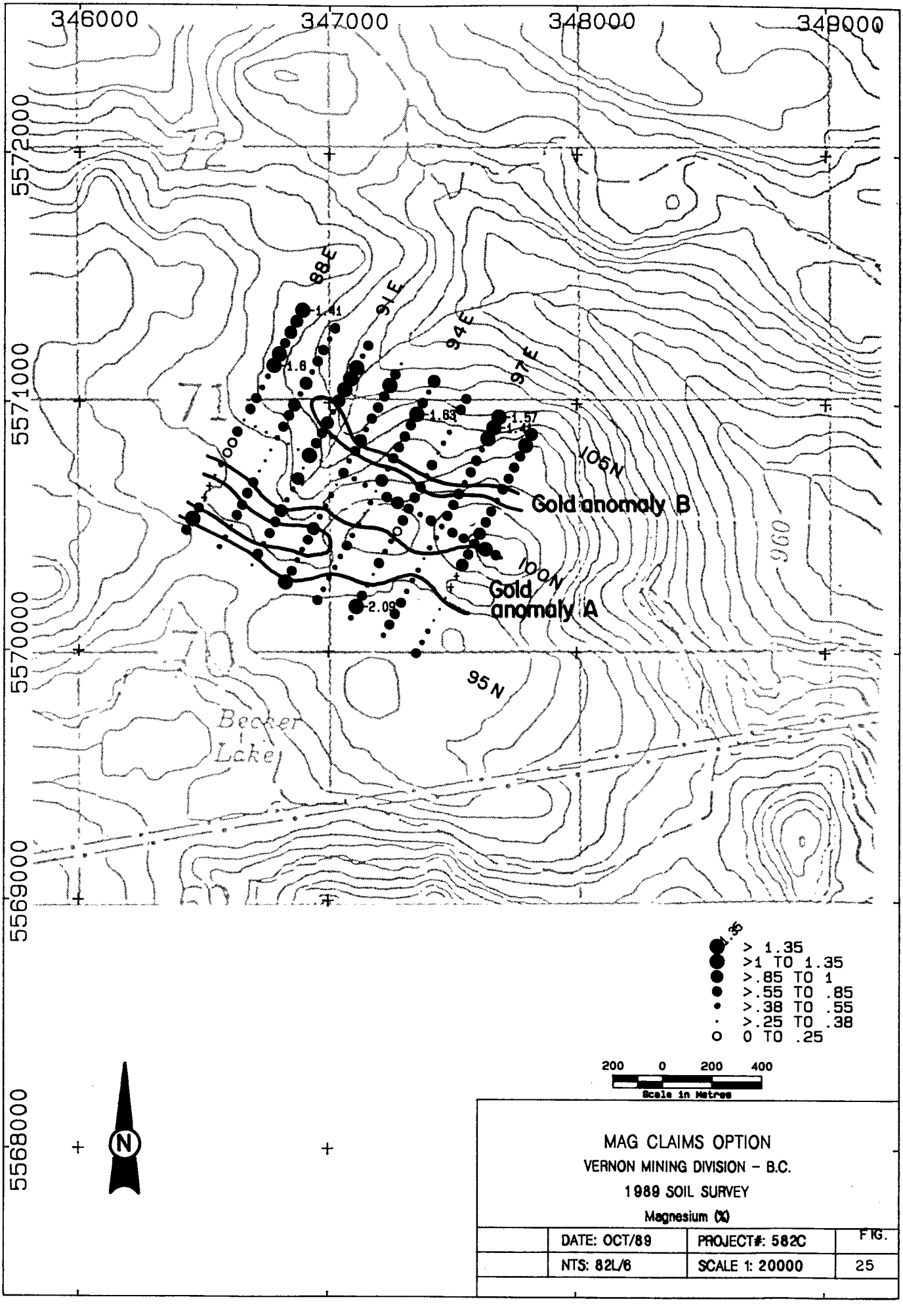
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Calcium (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	24



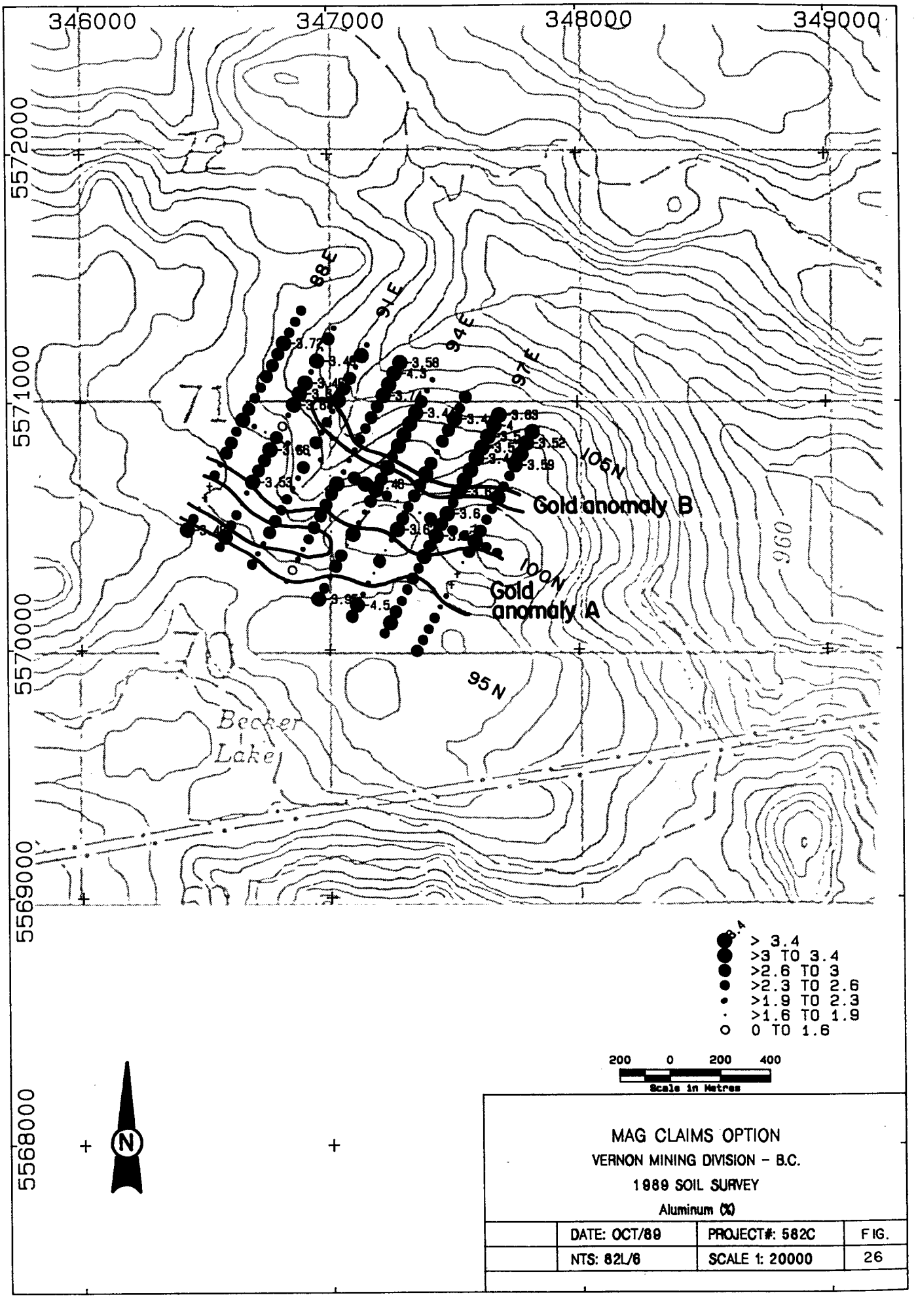
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Magnesium (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	25



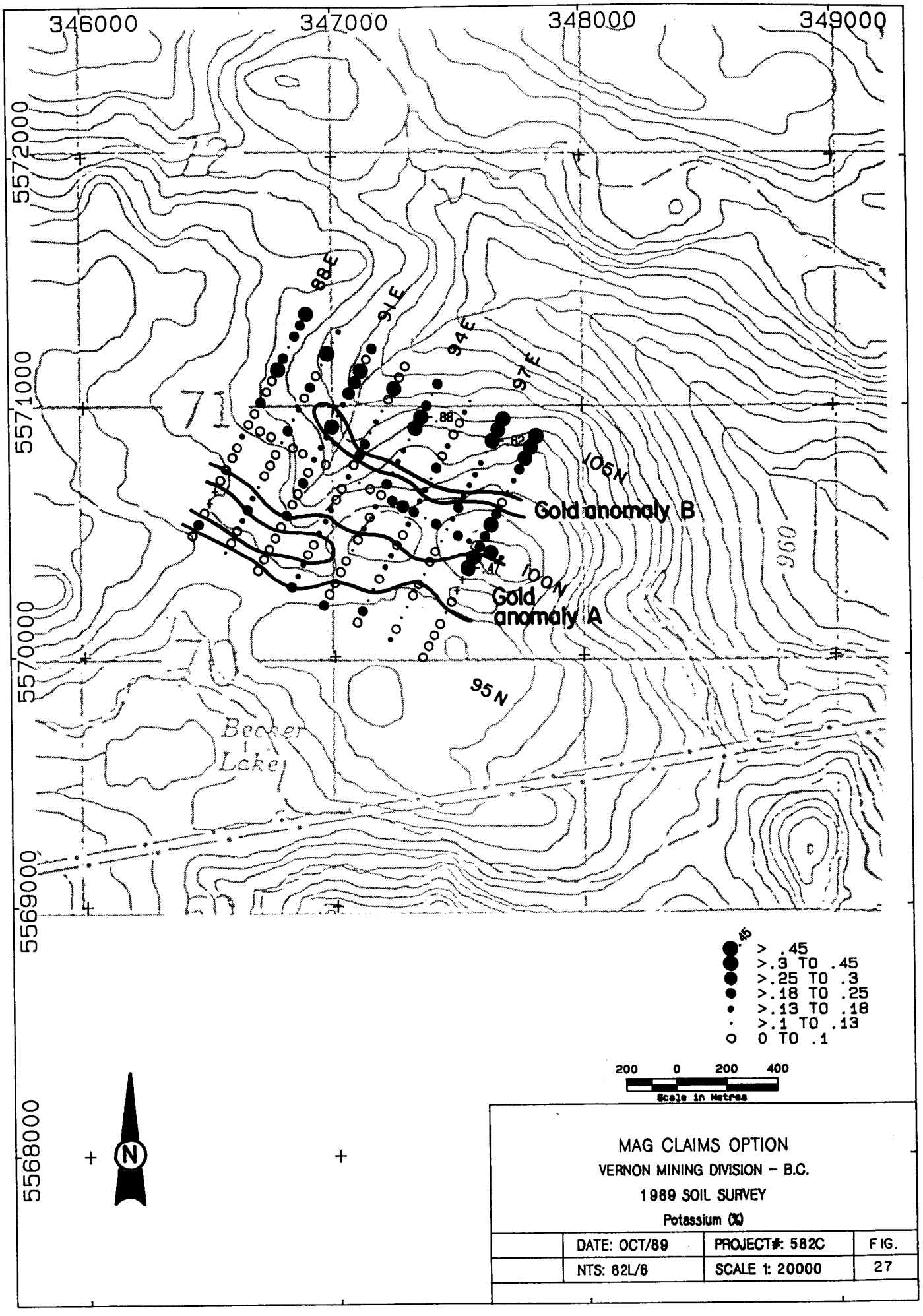
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Aluminum (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	26



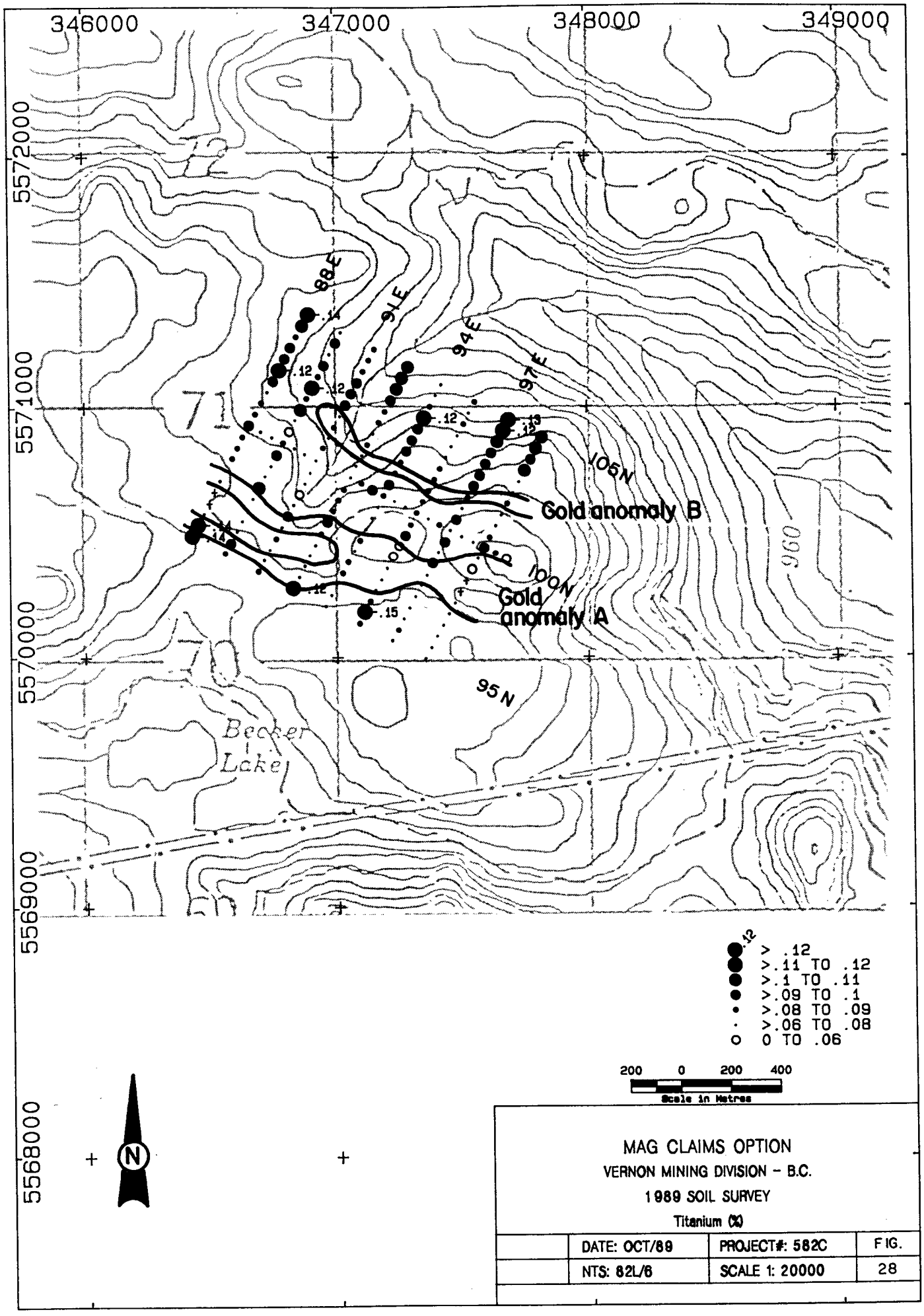
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Potassium (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	27



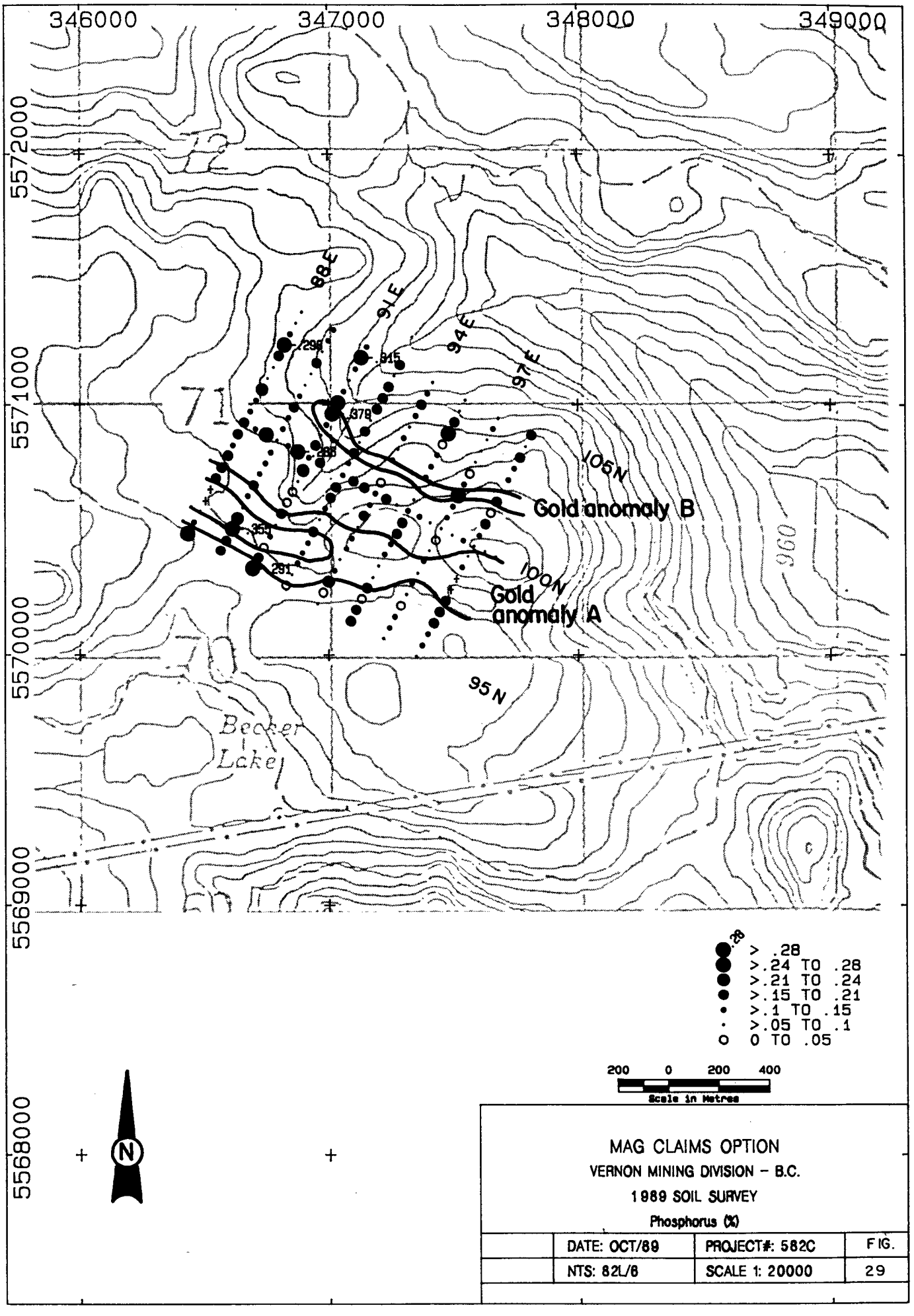
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Titanium (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	28



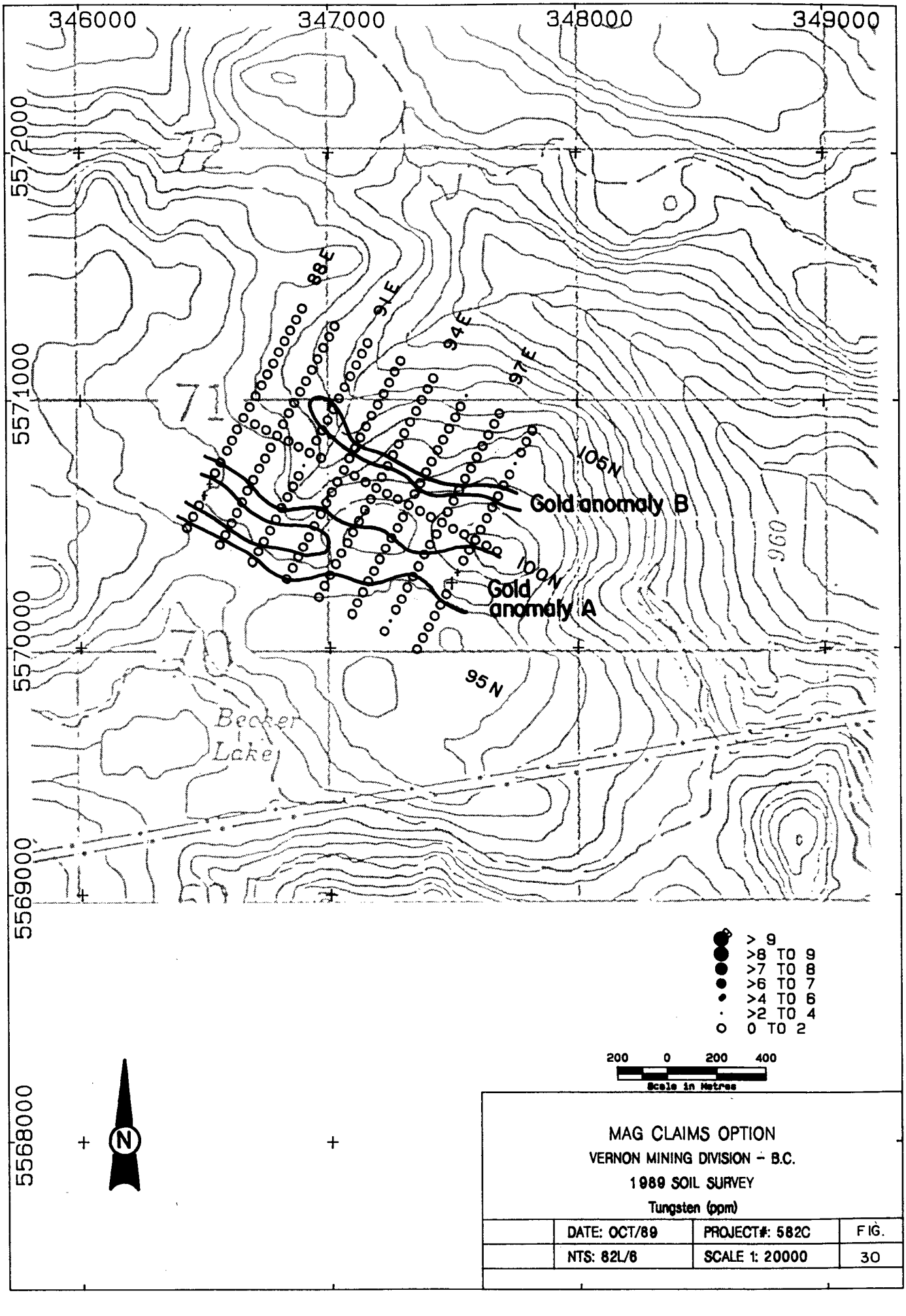
MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Phosphorus (%)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	29



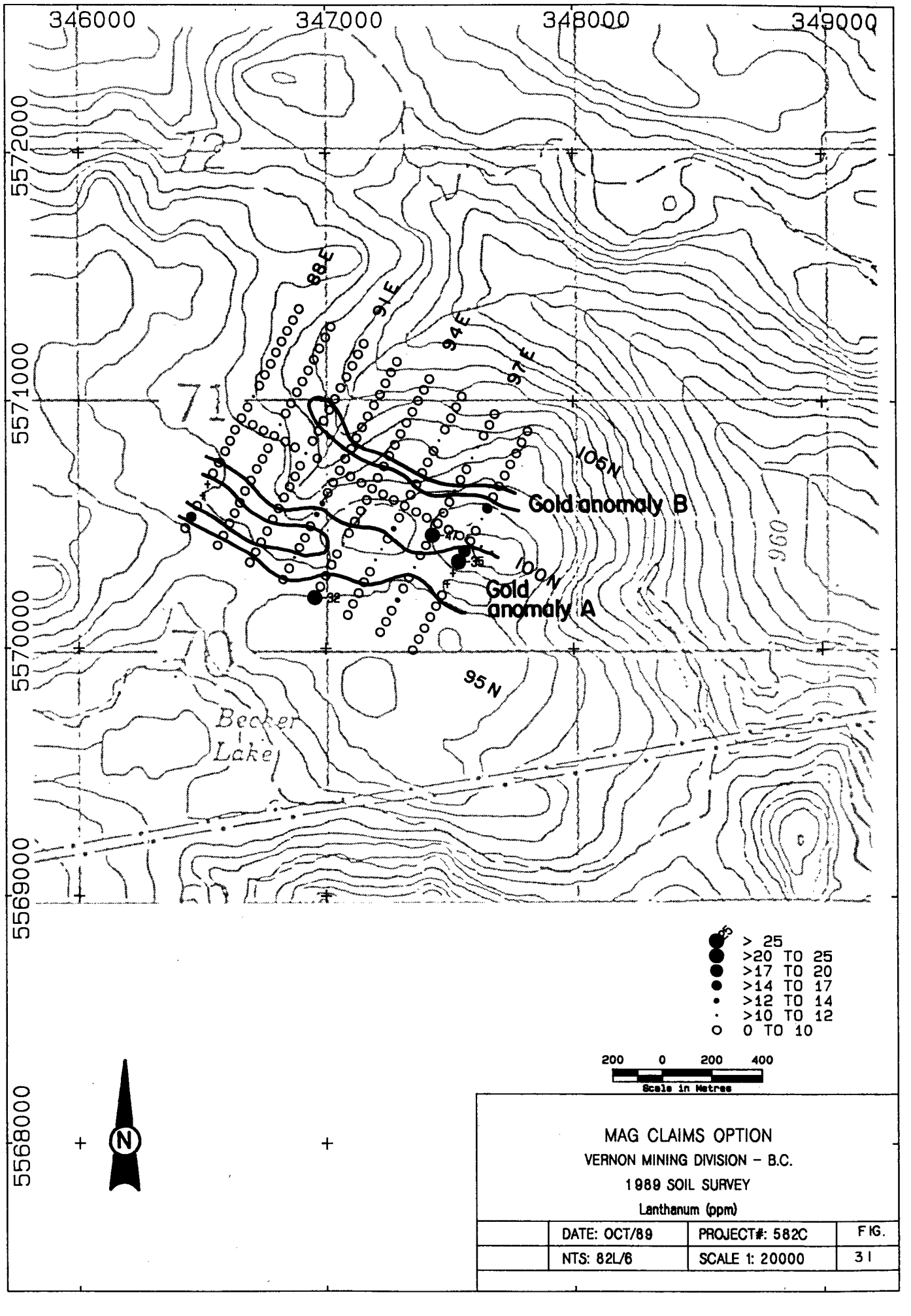
MAG CLAIMS OPTION

VERNON MINING DIVISION - B.C.

1989 SOIL SURVEY

Tungsten (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	30



MAG CLAIMS OPTION

VERNON MINING DIVISION – B.C.

1989 SOIL SURVEY

Lanthanum (ppm)

	DATE: OCT/89	PROJECT#: 582C	FIG.
	NTS: 82L/6	SCALE 1: 20000	31

5) CONCLUSIONS AND RECOMMENDATIONS

Because overburden in the survey area is thought to be locally derived and good BF soil horizons are developed throughout, the soil results are considered to reflect corresponding trace element enhancements in the underlying bedrock. Therefore, based on the soil results, it would appear that the Anomaly A gold zone, which trends northwest-southeast and is at least 1200 m long and up to 200 m wide, represents a zone of significant metal enhancement and zonation. Gold and copper show good spatial correlation while elements like silver, arsenic, lead, zinc and cadmium comprise symmetrical to assymmetrical haloes to the gold.

Depletions in aluminum, magnesium, and possibly phosphorus are evident within the main gold anomaly.

All elements considered, the area from 92+50E to 98+50E and 96N to 98+50N would appear to warrant follow-up by pitting/trenching or drill-testing. The geologic model which would seem most applicable at this stage would be a shear-hosted gold (+quartz) vein or replacement, similar to many of the Archean gold systems.

BIBLIOGRAPHY

Jones, A. G. (1959) : Vernon Map-Area, British Columbia, Geol. Survey of Can., Memoir 296.

Price, R. A., Monger, J. W. H., and Roddick, J. A. (1958) : Cordilleran Cross-Section; Calgary to Vancouver; from Field Guides to Geology and Mineral Deposits in the Southern Canadian Cordillera, G.S.A. Cordilleran Section Meeting Vancouver, B.C., May 1985.

APPENDIX I

ANALYTICAL PROCEDURES

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

GEOCHEMICAL LABORATORY METHODOLOGY & PRICES - 1989

Sample Preparation

S80	Soils or silts up to 2 lbs drying at 60 deg.C and sieving 30 gms -80 mesh (other size on request)	$ .85
SJ	Saving part or all reject	.45
S20R	Soils or silts - drying at 60 deg.C and sieving -20 mesh & pulverizing (other mesh size on request.)	2.00
SP	Soils or silts - drying at 60 deg.C pulverizing (approx . 100 gms)	1.50
RP100	Rocks or cores - crushing to -3/16" up to 10 lbs, then pulverizing 1/2 lb to -100 mesh (98%)	3.00
Cr	Surcharge crushing over 10 lbs	.25/lb
2PX	Surcharge for pulverizing over 1/2 lb	1.00/lb
RPS100	Same as RP100 except sieving to -100 mesh and saving +100 mesh (200gms)	3.75
RPS100 1/2	Same as above except pulverizing 1/2 the reject - additional	1.00/lb
RPS100 A	Same as above except pulverizing all the reject - additional	1.00/lb
OP	Compositing pulps - each pulp Mixing & pulverizing composite.	.50 1.50
HM	Heavy mineral separation - S.G.2.96 + wash -20 mesh	12.00
V1	Drying vegetation and pulverizing 50 gms to -80 mesh	3.00
V2	Ashing up to 1 lb wet vegetation at 475 deg.C	2.00
H1	Special Handling	17.00/hr

Sample Storage

Rejects - Approx. 2 lbs of rock or total core are stored for three months and discarded unless claimed.

Pulps are retained for one year and discarded unless claimed.

Additional storage - for 3 years $10.00/1.2 cu.ft. box
or 15 cents/sample pulp
or 5 cents/sample soil

Supplies

Soil Envelopes	4" x 6"	$125.00/thousand
Soil Envelopes	4" x 6" with gusset	$140.00/thousand Plastic
Bags	7" x 13" 4 mil	$10.00/hundred
Plastic Bags	12" x 20" 6 mil	$ 20.00/hundred
Ties		$ 2.00/hundred
Assay Tags		N/C
10% HCl		$ 5.00/liter
Dropping bottles		$ 1.00/each
Zn Test	A & B	$ 12.00/each liter

Conversion Factors

1 Troy oz = 31.10 g
1 oz/ton = 34.3 ppm = 34.3 g/tonne = 34,300 ppb
1 % = 10,000 ppm

ACME ANALYTICAL LABORATORIES LTD.
Assaying & Trace Analysis
852 E. Hastings St., Vancouver, B.C. V6A 1R6
Telephone: 253-3158

GEOCHEMICAL ANALYSES - Rocks and Soils

Group 1 Digestion

.50 gram sample is digested with 3 mls 3-1-2 HCl-HNO3-H2O at 95 deg.C for one hour and is diluted to 10 ml with water. This leach is near total for base metals, partial for rock forming elements and very slight for refractory elements. Solubility limits Ag, Pb, Sb, Bi, W for high grade samples.

Group 1A - Analysis by Atomic Absorption.

Element	Detection	Element	Detection	Element	Detection
Antimony*	2 ppm	Copper	1 ppm	Molybdenum	1 ppm
Bismuth*	2 ppm	Iron	0.01 %	Nickel	1 ppm
Cadmium*	0.1 ppm	Lead	2 ppm	Silver	0.1 ppm
Chromium	1 ppm	Lithium	2 ppm	Vanadium	2 ppm
Cobalt	1 ppm	Manganese	5 ppm	Zinc	2 ppm

First Element $2.25 Subsequent Element $1.00

Group 1B - Hydride generation of volatile elements and analysis by ICP.

This technique is unsuitable for sample grading over .5% Ni or Cu. Cu Massive Sulphide.

Element	Detection
Arsenic	0.1 ppm
Antimony	0.1 ppm
Bismuth	0.1 ppm
Germanium	0.1 ppm
Selenium	0.1 ppm
Tellurium	0.1 ppm

First Element $4.75 All Elements $5.50

Group 1C - Hg

Detection limit - 5 ppb Price $2.50

Hg in the solutions are determined by cold vapour AA using a F & J scientific Hg assembly. The aliquots of the extract are added to a stannous chloride/hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it is measured by AA.

Group 1D - ICP Analysis

Element	Detection
Ag	0.1 ppm
Cd,Co,Cr,Cu,Mn,Mo,Ni,Sr,Zn	1 ppm
As,Au,B,Ba,Bi,La,Pb,Sb,Th,V,W	2 ppm
U	5 ppm
Al,Ca,Fe,K,Mg,Na,P,Ti	0.01 %

Any 2 elements	$3.25
5 elements	4.50
10 elements	5.50
All 30 elements	6.25

Group 1E - Analysis by ICP/MS

Element	Detection
Ga,Ge	1 ppm
Au,Bi,Cd,Hg,In,Ir,Os,Re,Rh,Sb,Te,Th,Tl,U	0.1 ppm

All Elements 15.00 (minimum 20 samples per batch or $15.00 surcharge)

Hydro Geochemical Analysis

Natural water for mineral exploration

26 element ICP - Mo,Cu,Pb,Zn,Ag,Co,Ni,Mn,Fe,As,Sr,Cd,V,Ca,P, Li,Cr,Hg,Tl,B,Al,Na,K,Ce,Be,Si			$8.00
F by Specific Ion Electrode	- detection	20 ppb	$3.75
U by UA3	- detection	.01 ppb	5.00
pH		.1 pH	1.50
Au	- detection	.001 ppb	4.00

* Minimum 20 samples or $5.00 surcharge for ICP or AA and $15.00 surcharge for ICP/MS. All prices are in Canadian Dollars

APPENDIX II

METHOD OF GEOCHEMICAL INTERPRETATION

RULES FOR CHOICE OF SIZE CODING OR CONTOURING INTERVALS

(1) Examine both arithmetic and logarithmic histograms for each geochemical survey. Choose the histogram which most closely approximates a normal (or lognormal) distribution. If several populations are present on the histogram, subjectively divide the data into a series of (overlapping ?) normal or lognormal distributions. Always avoid interpreting histograms which are strongly skewed. Portions of arithmetic or logarithmic histograms may be chosen over specific metal concentration intervals, if this allows for the best portrayal of the data in graphitical form.

(2) Choose, as two of the coding intervals, points which represent between 90% and 95%, and 95% and 97.5% of the data; two different numbers. These choices highlight from 1 in 10 to 1 in 20 samples which are considered slightly anomalous and definately anomalous, respectively. These limits are optimistic in that the two categories are defined to be anomalous regardless of the distribution of values on the remainder of the histogram. A rigorous statistical approach would suggest that only values above the 97.5 percentile should be considered anomalous. Choice of any of the above percentiles is entirely subjective and meant to highlight the highest values of the survey.

(3) Divide the remaining portion of the histogram into recognizable populations. The dividing point of each of these populations is chosen as a coding interval. Artifacts introduced as a consequence of detection limit considerations are ignored. These artificial breaks in the histogram can be recognized by referring to the laboratory reports and scanning data results.

(4) For each population, choose one or two numbers which correspond to the 90% and 95% cumulative frequencies for that population (1 in 10 and 1 in 20 samples for that population). These will also be used to represent anomalous conditions for each population. Coding intervals can be no closer than 2X the detection limit for each element being considered.

(5) A maximum of six numbers can be chosen to plot symbol maps. This number is dictated by the ability to present data in graphical form with sufficiently different symbol sizes for them to be easily distinguishable, particularly if maps are to be reduced. The seven defined concentration classes are normally sufficient to represent geochemical data on a map. More intervals can be chosen if data are to be contoured. Avoid choosing arithmetic intervals without considering rules (1) and (4).

APPENDIX III

LISTING OF ANALYTICAL RESULTS

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

ICP - .500 GRAM SAMPLE IS DIGESTED WITH 3ML 3-1-2 HCL-HNO3-H2O AT 95 DEG. C FOR ONE HOUR AND IS DILUTED TO 10 ML WITH WATER. THIS LEACH IS PARTIAL FOR MN FE SR CA P LA CR MG BA TI B W AND LIMITED FOR NA K AND AL. AU DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: Soil -80 Mesh AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: OCT 12 1989 DATE REPORT MAILED: Oct 17/89. SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BP Resources Canada Ltd. PROJECT 10147 File # 89-4242 Page 1

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
107110	1	79	12	182	.3	17	11	833	3.68	9	5	ND	1	48	1	2	3	46	.36	.185	9	24	.98	203	.11	3	3.34	.02	.35	2	4
107111	1	38	21	199	.2	39	13	549	3.48	12	5	ND	1	32	2	2	2	48	.29	.100	6	46	1.08	180	.11	2	3.52	.02	.39	1	5
107112	1	21	13	146	.2	19	10	959	3.11	9	5	ND	1	30	1	2	2	43	.26	.161	8	25	.83	171	.10	2	3.29	.02	.32	1	2
107113	1	34	13	124	.1	25	10	509	3.15	14	5	ND	1	20	1	2	4	39	.21	.110	7	32	.81	126	.11	3	3.59	.02	.25	3	12
107114	1	32	14	127	.1	30	10	362	2.93	10	5	ND	1	30	1	2	2	39	.29	.109	6	41	.84	134	.08	5	2.58	.01	.14	1	4
107115	1	26	15	163	.2	28	10	315	2.50	15	5	ND	1	27	1	2	2	35	.20	.052	8	31	.59	102	.08	5	2.53	.02	.11	1	2
107116	1	19	18	139	.3	23	8	518	2.24	21	5	ND	1	24	2	2	4	31	.20	.156	6	27	.45	111	.09	2	3.04	.02	.09	1	62
107117	1	29	4	149	.4	28	10	1251	3.09	231	5	ND	1	65	1	2	3	37	.57	.042	16	30	.74	146	.08	2	2.53	.02	.23	1	3
107118	1	19	24	257	.3	21	10	1256	3.10	89	5	ND	1	52	1	2	2	33	.52	.175	11	24	.71	162	.07	5	2.49	.01	.31	1	2
107119	1	32	16	183	.3	30	12	786	3.42	137	5	ND	1	28	1	2	2	42	.26	.114	5	33	.99	131	.09	2	2.84	.01	.24	1	5
107120	1	50	26	395	.2	95	20	665	4.02	14	5	ND	1	33	3	3	2	65	.34	.083	3	146	1.57	225	.13	2	3.63	.01	.36	1	2
107121	1	45	43	334	.3	78	19	987	4.03	13	5	ND	1	29	1	2	2	69	.27	.120	2	100	1.41	225	.12	3	4.00	.01	.31	1	5
107122	1	17	8	125	.1	11	9	671	3.91	11	5	ND	1	49	1	2	2	47	.28	.070	5	19	1.10	141	.11	2	3.50	.02	.62	1	1
107123	1	14	12	90	.2	11	7	497	2.64	8	5	ND	3	25	1	2	2	34	.18	.093	12	14	.42	140	.10	2	3.57	.02	.13	1	2
RE 107126	1	18	12	143	.3	31	9	787	2.64	11	5	ND	1	44	1	2	2	37	.37	.113	6	33	.57	138	.10	4	3.21	.02	.15	1	3
107124	1	19	11	91	.2	20	9	583	2.81	9	5	ND	1	23	1	2	2	37	.19	.064	12	28	.61	163	.10	2	3.41	.02	.14	1	1
STD C	18	61	40	141	6.8	65	30	1008	4.18	38	19	7	35	49	18	16	21	60	.51	.098	37	54	.93	178	.06	36	1.95	.06	.13	12	-
107125	1	27	12	173	.3	40	11	408	2.84	36	5	ND	1	60	1	2	2	38	.41	.033	8	35	.65	159	.10	4	3.21	.02	.16	1	4
107126	1	18	11	138	.2	30	10	760	2.51	8	5	ND	1	42	1	2	2	35	.35	.100	5	30	.54	132	.10	4	3.04	.02	.14	1	3
107127	1	22	14	162	.1	15	9	991	2.94	29	5	ND	1	37	1	2	2	38	.34	.278	12	21	.58	133	.09	2	3.67	.02	.15	2	3
107128	1	21	17	191	.8	29	9	1100	2.77	86	5	ND	1	28	1	2	2	36	.24	.113	7	29	.74	170	.08	4	2.45	.01	.25	1	3
107129	1	22	11	124	.4	25	9	823	2.64	89	5	ND	1	23	1	2	2	36	.23	.110	6	26	.62	192	.10	2	3.60	.02	.16	1	5
107130	1	22	9	116	.7	32	8	406	2.14	17	5	ND	1	22	1	2	2	34	.20	.160	7	22	.44	189	.09	3	2.74	.02	.10	1	5
107131	1	46	13	136	.1	75	22	876	4.60	84	5	ND	1	22	1	2	2	99	.30	.198	3	144	2.09	315	.15	4	4.50	.01	.20	2	3
107132	1	38	19	117	.2	35	11	387	2.87	35	5	ND	1	30	1	2	2	47	.35	.035	8	39	.76	93	.09	4	2.20	.02	.13	1	4
107133	2	28	19	195	.7	23	9	542	2.35	15	5	ND	1	28	2	2	2	35	.30	.171	8	29	.53	149	.07	2	2.15	.02	.13	1	11
107134	2	20	33	228	.4	13	8	254	2.42	15	5	ND	1	14	1	2	2	33	.13	.086	5	17	.30	86	.07	2	1.88	.01	.05	1	62
107135	2	62	27	360	.7	27	11	640	3.24	24	5	ND	1	47	3	2	2	40	.55	.092	12	35	.67	153	.08	2	2.66	.02	.14	2	750
107136	3	54	47	384	.7	20	8	514	3.01	28	5	ND	1	34	2	2	2	33	.23	.120	12	21	.48	116	.06	2	1.75	.01	.14	1	60
107137	1	19	34	592	1.0	17	6	429	2.28	22	5	ND	2	27	3	2	2	27	.17	.103	9	14	.39	124	.06	2	1.92	.02	.09	1	40
107138	1	14	31	612	.9	14	5	858	1.84	137	5	ND	1	27	5	2	2	22	.20	.185	13	8	.21	125	.10	2	3.62	.02	.04	1	5
107139	1	19	33	1053	1.0	21	9	1231	2.82	43	5	ND	1	39	8	2	2	33	.30	.156	8	21	.58	137	.09	5	2.94	.02	.14	2	3
107140	3	187	11	146	1.6	51	12	1164	4.73	23	5	ND	1	112	2	2	4	56	1.59	.052	32	35	.61	371	.08	2	3.95	.02	.21	1	8
107141	1	38	10	88	.6	18	7	341	2.10	561	7	ND	1	69	1	2	2	31	.81	.047	9	20	.42	126	.07	2	2.31	.02	.06	1	3
107142	1	24	17	115	.2	24	13	939	2.69	81	5	ND	1	19	1	2	2	33	.18	.222	5	23	.47	147	.07	2	2.18	.01	.04	1	8
107143	1	20	12	170	.3	20	9	311	2.50	13	5	ND	1	18	1	2	2	42	.15	.104	4	26	.46	99	.09	2	2.73	.01	.05	1	22
107144	2	40	15	327	.7	28	9	301	2.74	20	5	ND	1	26	2	2	2	38	.19	.064	7	25	.46	112	.09	2	2.63	.02	.08	1	18
107145	4	57	46	315	.7	27	11	397	4.71	32	5	ND	3	25	2	2	2	41	.25	.111	11	41	.77	114	.07	3	1.86	.01	.12	1	69
STD C/AU-S	18	59	42	133	6.6	66	30	960	3.94	40	21	7	35	47	18	15	16	56	.48	.095	37	52	.87	175	.06	33	1.96	.06	.14	11	51

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
107146	2	34	26	220	.5	34	8	1111	2.38	11	5	ND	1	23	2	2	2	31	.19	.103	6	19	.43	149	.09	2	3.39	.02	.07	1	15
107147	1	18	14	774	.5	30	6	534	1.91	7	5	ND	1	21	4	2	2	29	.16	.090	6	21	.43	115	.08	2	2.26	.02	.16	1	2
107148	1	13	50	833	1.0	15	11	1888	3.34	54	5	ND	1	29	4	2	2	34	.25	.166	7	15	.34	141	.08	4	2.29	.01	.06	1	3
107149	1	21	24	699	.4	27	9	1254	2.58	66	5	ND	1	22	4	2	2	34	.20	.128	7	24	.55	144	.08	2	2.88	.01	.15	1	3
107150	1	17	10	165	.3	24	8	379	2.83	14	5	ND	1	27	2	2	2	40	.25	.195	3	27	.38	127	.11	4	3.58	.01	.05	2	3
107151	1	20	16	129	.1	38	10	299	2.91	11	5	ND	1	33	1	2	2	42	.32	.100	4	37	.56	126	.11	4	4.30	.02	.09	1	1
RE 107156	1	18	21	166	.1	28	9	958	2.32	15	5	ND	1	26	1	2	2	34	.24	.181	4	30	.52	233	.09	3	2.50	.01	.12	1	25
107152	1	56	17	182	.3	50	16	808	4.18	17	5	ND	1	30	1	2	2	61	.32	.181	3	54	1.17	245	.11	2	3.33	.01	.33	1	3
107153	1	27	19	257	.2	32	10	527	2.77	19	5	ND	1	21	3	2	2	40	.23	.157	5	35	.62	136	.10	2	3.74	.02	.10	2	7
107154	1	24	15	147	.3	39	10	594	2.41	20	5	ND	1	29	1	2	2	36	.33	.163	4	33	.57	167	.09	2	2.87	.01	.12	1	12
107155	1	33	12	114	.1	34	10	438	2.78	12	5	ND	1	23	1	2	2	41	.25	.077	6	38	.72	135	.09	4	2.69	.01	.15	1	7
107156	1	18	20	164	.2	29	9	949	2.32	13	5	ND	1	26	1	2	2	34	.24	.182	4	29	.52	231	.08	2	2.49	.02	.12	1	9
107157	1	39	16	129	.2	39	12	433	3.21	13	5	ND	1	25	1	2	2	52	.27	.081	6	50	.89	115	.09	8	2.53	.01	.22	1	3
107158	1	26	16	138	.3	28	10	584	2.79	17	5	ND	1	43	1	2	2	40	.32	.207	7	33	.72	174	.07	2	2.11	.01	.23	1	16
107159	1	13	10	155	.4	33	7	564	1.94	8	5	ND	1	23	1	2	2	30	.23	.126	5	25	.41	172	.07	3	1.98	.01	.09	1	5
107160	1	19	12	194	.2	43	12	952	2.37	4	5	ND	1	29	2	2	2	35	.39	.149	3	44	.74	273	.09	2	2.24	.01	.19	1	3
107161	1	15	12	173	.5	35	9	639	2.16	5	5	ND	1	13	2	2	2	30	.13	.315	3	29	.40	168	.09	3	3.36	.02	.07	1	1
107162	1	48	15	115	.3	39	13	501	3.65	16	5	ND	1	24	1	2	2	54	.31	.109	6	61	1.22	176	.09	2	2.14	.01	.42	1	10
STD C	18	59	42	134	6.6	68	29	1022	4.19	43	18	7	34	47	19	15	17	57	.48	.088	36	56	.87	176	.06	34	2.05	.06	.13	12	-
107163	1	57	14	179	.3	60	16	694	3.65	20	5	ND	1	44	2	2	2	54	.50	.082	6	67	1.13	166	.10	4	2.67	.01	.29	1	16
107164	1	54	26	179	.4	52	15	468	3.48	15	5	ND	1	32	1	2	2	57	.33	.149	4	63	1.09	196	.10	4	2.98	.01	.26	1	1
107165	1	36	17	227	.3	43	13	909	2.99	17	5	ND	1	25	2	2	2	46	.21	.246	3	50	.86	233	.10	2	3.12	.01	.18	1	3
107166	1	16	8	179	.2	28	10	887	2.42	15	5	ND	1	30	1	2	2	35	.33	.379	3	32	.52	344	.07	2	2.26	.01	.12	1	12
107167	1	66	11	134	.4	42	13	536	3.47	16	5	ND	1	22	1	2	2	56	.25	.122	6	55	.96	178	.09	7	2.51	.01	.33	1	22
107168	1	28	11	121	.2	33	9	342	2.60	16	5	ND	1	18	1	2	2	46	.22	.093	5	35	.62	105	.08	2	2.24	.01	.15	1	3
107169	1	39	11	158	.2	44	16	439	3.30	16	5	ND	1	24	1	2	2	55	.22	.152	4	44	.77	149	.09	2	2.64	.01	.16	1	2
107170	1	26	16	138	.2	45	11	605	2.50	10	5	ND	1	18	1	2	2	40	.18	.143	5	40	.66	214	.08	2	2.11	.01	.17	1	2
107171	1	17	11	133	.2	31	10	552	2.16	12	5	ND	1	21	2	2	2	32	.20	.140	4	30	.51	159	.10	2	2.77	.02	.12	1	7
107172	1	54	18	159	.5	39	13	1014	3.06	15	5	ND	1	56	1	2	2	42	1.67	.093	8	47	.81	275	.07	11	1.64	.01	.41	1	2
107173	1	33	12	166	.3	47	13	482	3.05	16	5	ND	1	21	2	2	2	45	.20	.163	4	49	.79	144	.10	2	3.49	.01	.11	1	1
107174	1	14	6	138	.3	31	9	406	1.89	10	5	ND	1	20	1	2	2	31	.18	.098	4	31	.44	120	.09	4	2.26	.02	.08	1	3
107175	1	65	24	354	.5	42	14	1105	3.62	23	5	ND	1	43	2	2	2	58	.39	.058	6	38	.90	190	.12	7	3.46	.02	.25	1	2
107176	1	30	6	124	.5	39	11	272	2.96	18	.5	ND	1	26	1	2	2	42	.19	.119	6	38	.53	121	.09	3	3.64	.02	.09	1	5
107177	1	36	8	162	.5	50	13	513	3.17	21	5	ND	1	27	1	2	2	48	.24	.164	5	73	.89	176	.11	5	3.64	.02	.18	1	4
107178	1	24	11	156	.2	29	11	328	2.52	14	5	ND	1	28	1	2	2	40	.25	.106	7	42	.63	133	.07	7	1.99	.01	.12	1	1
107179	1	33	14	138	.3	31	11	764	2.80	15	5	ND	1	29	1	2	2	40	.30	.123	11	40	.67	158	.06	4	1.60	.01	.21	1	7
107180	1	46	19	124	.1	51	19	567	3.94	8	5	ND	1	19	1	2	2	63	.30	.056	3	75	1.41	205	.14	2	2.60	.01	.43	1	1
107181	1	31	10	147	.1	62	15	508	2.80	9	5	ND	1	21	1	2	2	42	.23	.095	4	62	.95	299	.11	22	2.40	.01	.23	1	2
STD C/AU-S	19	61	38	133	7.0	67	31	1024	4.21	44	23	7	36	49	20	15	22	59	.48	.094	38	55	.87	177	.06	36	2.07	.06	.13	12	50

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
107182	1	32	8	115	.1	57	14	705	2.88	5	5	ND	1	34	1	2	2	41	.31	.131	3	63	.96	305	.09	7	2.53	.01	.24	1	1
107183	1	21	17	188	.2	40	12	486	2.80	24	5	ND	1	17	1	2	2	40	.15	.298	2	48	.67	209	.10	4	3.72	.01	.12	1	1
107184	1	46	11	288	.1	73	18	560	3.52	12	5	ND	1	28	1	2	2	56	.32	.164	3	81	1.14	212	.10	4	2.85	.01	.24	1	3
107185	1	84	3	142	.2	90	21	445	4.53	21	5	ND	1	22	1	3	2	79	.30	.075	3	106	1.60	151	.12	4	2.75	.01	.36	1	6
107186	1	26	14	170	.3	39	12	344	2.24	7	5	ND	1	14	1	2	2	37	.12	.086	3	38	.55	136	.10	2	2.80	.02	.10	1	1
107187	1	22	12	155	.2	28	10	508	2.29	5	5	ND	1	15	1	2	2	36	.15	.234	5	39	.54	166	.08	8	2.54	.01	.09	1	1
107188	1	58	11	183	.4	43	15	652	3.66	16	5	ND	1	20	2	2	2	53	.19	.104	12	52	.80	127	.09	5	2.57	.01	.19	1	4
107189	1	32	9	202	.3	26	13	968	3.04	9	5	ND	1	23	2	2	3	51	.24	.137	4	32	.56	124	.09	2	2.71	.01	.09	1	1
107190	1	17	10	104	.3	24	7	594	2.01	12	5	ND	1	29	2	2	2	31	.21	.202	4	16	.31	87	.10	2	3.35	.02	.07	1	1
107191	1	12	7	132	.2	21	8	816	2.11	9	5	ND	1	32	1	2	3	35	.32	.116	3	25	.35	106	.08	3	2.14	.01	.07	1	1
107192	1	11	11	283	.2	20	9	866	1.77	6	5	ND	1	23	2	2	2	27	.22	.258	4	21	.30	217	.08	2	1.80	.01	.07	2	1
107193	1	26	17	419	.3	25	9	718	2.34	9	5	ND	1	24	2	2	2	31	.16	.095	7	22	.52	151	.09	7	2.68	.02	.12	1	5
107194	1	19	10	240	.4	26	8	1105	1.89	7	5	ND	1	19	1	2	3	33	.16	.137	4	20	.34	163	.08	6	2.05	.02	.09	1	1
107195	1	17	7	205	.6	25	9	1259	1.92	7	5	ND	1	18	1	2	2	31	.16	.286	4	21	.35	277	.08	2	2.10	.01	.09	1	2
107196	3	83	11	122	.3	35	16	641	3.90	22	5	ND	1	31	1	2	2	65	.48	.118	12	48	1.01	110	.07	13	1.76	.01	.18	1	9
107197	1	13	11	164	.9	30	8	902	1.64	2	5	ND	1	21	1	2	2	24	.24	.152	8	20	.28	182	.07	3	1.99	.01	.07	1	10
107198	1	31	6	170	.2	41	12	422	2.73	10	5	ND	1	21	2	2	2	42	.23	.091	7	45	.78	145	.08	4	2.15	.01	.16	1	3
108074	1	13	156	968	1.8	15	8	639	3.33	18	5	ND	1	37	3	2	3	24	.22	.056	11	12	.72	93	.06	6	2.33	.01	.16	1	1
108075	1	31	112	485	.6	25	11	617	4.10	42	5	ND	1	41	1	2	2	37	.30	.053	11	31	1.13	142	.09	2	2.56	.01	.31	1	1
108076	1	26	30	335	.7	27	10	807	2.86	40	5	ND	1	25	3	2	2	34	.20	.087	7	29	.70	161	.10	2	3.12	.01	.19	1	3
108077	1	40	18	84	.2	76	21	408	3.33	432	5	ND	1	18	1	2	2	47	.16	.051	5	88	.81	126	.08	2	2.98	.01	.06	1	25
RE 107198	1	30	10	162	.4	40	12	401	2.60	10	5	ND	1	20	1	2	2	41	.22	.091	7	43	.75	139	.08	2	2.09	.01	.16	1	6
108078	1	37	13	82	.2	34	12	836	2.57	108	5	ND	1	15	1	2	2	33	.14	.121	5	33	.44	125	.07	6	2.46	.01	.05	2	1
108079	1	25	12	136	.4	26	10	664	2.35	26	5	ND	1	24	1	2	2	35	.22	.120	6	28	.47	153	.08	3	2.37	.01	.06	1	3
108080	1	21	16	140	.5	24	8	592	2.10	31	5	ND	1	28	2	2	2	30	.21	.203	6	20	.33	130	.08	3	2.40	.01	.08	2	7
108081	1	36	18	168	.4	18	9	726	2.66	22	5	ND	1	54	1	2	2	30	.33	.176	8	19	.34	174	.07	3	2.04	.01	.11	1	2
108082	1	44	21	234	.7	17	8	482	2.42	21	5	ND	1	40	1	3	2	28	.29	.186	9	18	.36	103	.07	2	2.19	.01	.10	1	23
108085	1	28	81	446	1.1	12	5	464	5.57	69	5	ND	6	234	2	2	2	35	.24	.104	35	23	1.00	138	.05	2	1.80	.02	.47	1	132
108086	1	26	67	646	1.1	29	8	784	4.02	41	.5	ND	1	78	3	2	2	33	.20	.068	18	26	.76	189	.08	2	2.69	.02	.33	1	23
108087	1	20	22	489	.6	34	11	1049	2.54	29	5	ND	1	22	3	2	2	34	.18	.142	6	32	.61	167	.07	2	2.39	.01	.17	1	7
108088	1	24	22	320	.5	31	10	500	2.81	23	5	ND	1	56	2	2	2	34	.19	.062	9	32	.63	211	.08	2	2.60	.01	.20	1	5
108089	1	19	24	261	.5	27	9	721	2.16	17	5	ND	1	25	2	2	2	29	.15	.085	7	25	.49	136	.08	2	2.73	.02	.13	1	1
STD C	18	60	40	135	6.7	65	31	1015	4.06	43	21	7	36	48	18	17	24	58	.47	.096	37	55	.87	169	.06	32	1.98	.06	.14	13	-
108090	1	26	11	121	.4	22	9	370	2.35	150	5	ND	1	19	1	2	2	37	.14	.086	7	29	.55	158	.08	2	2.49	.01	.15	1	16
108091	1	42	20	97	.3	33	12	341	2.82	60	5	ND	1	20	1	2	2	44	.19	.113	7	42	.71	161	.09	4	3.17	.01	.10	3	6
108092	1	42	18	136	.4	38	13	439	3.02	32	5	ND	1	22	1	2	2	48	.20	.139	8	42	.73	150	.08	2	2.75	.01	.11	1	3
108093	1	47	20	163	1.3	28	10	378	2.94	17	5	ND	1	51	1	2	2	38	.47	.040	13	32	.56	168	.08	3	2.43	.02	.12	1	7
108094	1	27	23	204	.3	18	10	383	2.71	18	5	ND	1	27	1	2	2	35	.26	.078	8	23	.40	113	.08	2	2.54	.02	.08	1	5
STD C/AU-S	18	60	43	133	6.7	67	31	1019	4.00	42	23	7	36	49	19	16	20	59	.48	.098	38	56	.87	174	.06	33	1.97	.06	.13	12	47

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
108095	2	54	16	240	1.2	25	9	328	2.56	17	5	ND	1	27	2	2	3	33	.19	.132	8	18	.39	125	.08	2	2.75	.01	.10	1	7
108096	4	49	37	431	1.3	25	9	402	3.42	29	5	ND	1	31	2	2	2	36	.22	.063	11	26	.52	142	.07	2	2.36	.01	.12	1	24
108097	1	24	24	1216	.7	31	10	780	2.64	38	5	ND	1	15	5	2	2	32	.14	.111	7	20	.28	100	.10	3	3.36	.01	.07	1	7
108098	1	37	24	410	.9	32	10	463	2.90	30	5	ND	2	20	2	2	2	33	.16	.081	9	29	.54	170	.08	2	2.65	.01	.10	1	6
108099	1	38	30	2676	1.0	58	9	745	3.31	20	6	ND	1	42	12	2	2	36	.35	.038	47	30	.49	117	.10	2	3.73	.02	.11	1	3
108100	1	27	20	308	.5	38	9	406	2.66	17	5	ND	1	23	2	4	2	36	.20	.080	7	36	.71	125	.09	2	2.62	.01	.19	1	8
108101	1	14	17	877	.6	22	9	727	2.28	14	5	ND	1	31	7	2	2	28	.14	.108	5	23	.44	107	.07	3	1.82	.01	.13	1	3
108102	1	25	16	816	.4	25	11	835	3.42	31	5	ND	1	36	5	2	3	43	.23	.132	7	27	.85	136	.09	2	2.58	.01	.20	1	1
108103	1	24	14	198	.3	31	11	391	2.52	9	5	ND	1	25	1	2	2	37	.20	.090	6	40	.61	120	.09	2	2.64	.01	.11	3	2
108104	1	28	5	144	.3	25	10	393	2.59	10	6	ND	1	32	1	2	2	35	.28	.099	8	30	.61	94	.08	5	2.33	.01	.17	1	1
108105	1	24	12	199	.7	17	7	591	2.24	10	5	ND	2	48	2	2	2	26	.39	.200	10	18	.31	119	.09	2	3.44	.02	.10	1	2
108106	1	23	10	180	.4	24	9	416	2.45	16	5	ND	1	27	1	2	2	32	.25	.246	6	27	.43	115	.08	2	2.90	.01	.10	1	4
108107	1	28	14	131	.9	29	9	791	2.66	4	5	ND	2	59	2	2	2	29	.54	.045	12	25	.50	127	.08	2	2.68	.02	.14	1	1
108108	1	18	15	124	.4	17	8	655	2.00	9	5	ND	1	31	1	2	2	26	.25	.119	7	19	.36	95	.07	4	2.25	.02	.09	1	4
108109	1	39	18	128	.1	42	13	388	3.07	14	5	ND	1	19	1	2	2	44	.19	.115	6	46	.77	151	.09	2	2.62	.01	.19	1	1
108110	1	20	12	143	.4	26	8	500	2.47	16	6	ND	1	21	1	3	2	33	.17	.110	6	28	.44	113	.09	2	3.17	.02	.11	1	4
108111	1	23	11	151	.4	45	10	417	2.59	13	5	ND	1	22	1	2	2	36	.19	.091	5	33	.59	120	.09	2	2.73	.01	.15	1	135
108112	1	23	12	375	.3	30	11	678	2.73	15	5	ND	1	18	1	2	3	34	.16	.084	5	30	.73	121	.09	3	2.88	.01	.14	1	5
108113	1	35	12	373	.3	30	13	480	3.14	15	5	ND	1	26	2	2	2	46	.29	.095	5	52	1.00	75	.08	3	1.83	.01	.28	1	7
108114	1	27	12	380	.4	33	10	611	2.63	20	5	ND	1	35	3	2	2	35	.29	.182	6	34	.65	129	.08	2	2.49	.01	.20	1	5
108115	1	19	15	379	.7	24	7	734	1.98	65	5	ND	2	23	4	2	2	26	.20	.111	10	19	.34	112	.09	2	3.16	.02	.07	1	4
108116	1	40	9	142	.3	40	13	365	3.12	14	5	ND	1	30	1	2	2	43	.28	.090	7	48	.86	144	.08	2	2.12	.01	.25	1	11
108117	1	25	11	98	.1	28	9	416	2.33	12	5	ND	1	20	1	2	2	34	.19	.115	4	31	.51	116	.07	2	2.13	.01	.12	1	14
108118	1	20	8	103	.2	23	9	550	2.45	11	5	ND	2	25	1	2	2	33	.24	.160	7	28	.59	136	.09	2	2.72	.02	.19	1	3
108119	1	21	5	164	.2	12	12	938	5.12	9	5	ND	1	45	1	2	2	39	.33	.115	4	20	1.63	160	.12	2	3.44	.01	.88	1	1
108120	1	17	20	220	.2	21	10	814	3.25	16	5	ND	1	22	1	2	2	35	.20	.096	5	27	.82	193	.10	3	3.01	.01	.31	1	2
108121	1	27	13	82	.2	26	9	619	2.56	12	5	ND	1	19	1	2	2	35	.19	.104	5	31	.56	125	.10	9	3.02	.02	.12	1	2
108122	1	28	15	109	.1	29	10	583	2.85	9	5	ND	1	24	1	2	3	38	.20	.090	5	34	.73	168	.10	2	3.13	.02	.17	1	1
108123	1	19	12	165	.3	27	9	422	2.47	25	5	ND	1	19	1	2	2	33	.16	.112	5	26	.56	148	.09	2	2.40	.01	.14	1	7
STD C	18	60	43	133	6.9	68	31	1011	4.17	41	20	7	37	47	19	16	21	58	.47	.095	38	53	.87	169	.06	34	1.94	.06	.14	12	-
108124	1	24	6	165	.4	35	9	648	2.61	32	5	ND	2	37	1	2	2	33	.31	.097	8	27	.45	174	.09	5	3.26	.02	.11	1	5
108125	1	30	21	148	.2	36	14	506	3.66	23	5	ND	1	34	1	2	2	47	.33	.049	5	42	.97	73	.10	4	2.71	.01	.25	1	4
108126	1	21	12	618	.4	29	10	348	2.57	23	5	ND	1	19	4	2	2	35	.17	.155	6	27	.46	84	.10	2	3.46	.02	.10	1	9
108127	1	31	9	228	.5	40	8	376	2.26	13	5	ND	1	25	2	2	2	32	.25	.159	6	25	.43	123	.09	5	2.78	.02	.13	1	4
108128	1	26	17	177	.4	39	10	320	2.39	9	5	ND	1	24	2	2	2	37	.25	.101	5	37	.63	157	.08	6	2.08	.01	.15	1	4
108129	1	48	9	126	.4	39	13	274	3.32	9	5	ND	1	25	1	2	2	62	.29	.035	7	58	1.20	149	.12	2	2.30	.01	.22	1	11
RE 108125	1	29	19	144	.1	35	13	496	3.56	25	5	ND	1	33	1	2	2	46	.32	.048	5	42	.94	71	.10	3	2.62	.01	.24	1	5
108130	2	56	10	101	.2	23	11	340	3.01	16	5	ND	2	23	1	2	2	50	.31	.083	8	35	.75	94	.07	2	1.50	.01	.16	1	23
STD C/AU-S	18	61	42	132	6.7	68	30	999	4.15	43	19	7	36	48	19	15	18	58	.48	.094	37	56	.87	172	.06	33	1.94	.06	.14	13	52

SAMPLE#	Mo PPM	Cu PPM	Pb PPM	Zn PPM	Ag PPM	Ni PPM	Co PPM	Mn PPM	Fe %	As PPM	U PPM	Au PPM	Th PPM	Sr PPM	Cd PPM	Sb PPM	Bi PPM	V PPM	Ca %	P %	La PPM	Cr PPM	Mg %	Ba PPM	Ti %	B PPM	Al %	Na %	K %	W PPM	Au* PPB
108131	2	47	7	128	.4	24	9	357	2.89	10	5	ND	1	26	1	2	2	42	.28	.123	11	27	.55	161	.07	2	2.19	.01	.16	1	2
108132	1	30	15	285	.4	21	9	294	2.49	9	5	ND	1	26	2	2	2	35	.28	.133	7	27	.54	103	.07	3	2.02	.01	.10	1	15
108133	1	30	16	141	.2	32	10	291	2.51	10	5	ND	1	26	1	2	2	44	.23	.108	5	33	.60	130	.08	3	2.43	.02	.10	1	4
108134	1	141	14	516	.2	43	15	743	3.39	11	5	ND	1	26	2	2	2	56	.20	.176	8	46	.93	137	.09	7	2.80	.01	.15	2	1
108135	3	93	24	275	1.0	21	9	496	3.60	14	5	ND	2	65	2	2	2	38	.22	.069	14	22	.52	154	.10	5	2.62	.02	.17	1	61
108136	2	63	30	497	.7	19	8	714	4.03	25	5	ND	1	88	3	2	2	36	.23	.136	13	19	.39	163	.09	4	2.90	.02	.14	1	7
108137	1	19	19	996	.3	23	8	1136	2.53	28	5	ND	1	31	5	2	2	32	.22	.184	8	21	.43	185	.09	5	2.93	.02	.09	1	1
RE 108144	1	32	12	85	.1	22	9	213	2.45	7	5	ND	1	26	1	2	2	42	.24	.045	8	26	.45	107	.08	2	2.16	.01	.07	1	1
108138	1	13	7	226	2.7	26	6	749	2.11	34	5	ND	1	21	2	2	2	27	.19	.166	6	16	.28	152	.09	2	3.09	.02	.10	1	1
108142	1	26	12	158	.4	24	10	545	2.45	16	5	ND	1	16	1	2	2	38	.14	.291	4	20	.38	145	.09	8	2.58	.01	.07	1	3
108143	1	41	10	141	.1	30	11	422	2.79	14	5	ND	1	26	1	2	2	45	.23	.209	7	34	.65	202	.07	2	1.96	.01	.10	1	27
108144	1	34	8	85	.2	22	10	208	2.56	8	5	ND	1	27	1	2	2	43	.25	.039	7	26	.48	109	.08	2	2.29	.01	.07	1	1
108145	1	51	8	111	.1	29	11	291	3.06	11	5	ND	1	36	1	2	2	53	.36	.120	9	32	.63	133	.09	2	2.80	.02	.09	1	7
108146	2	49	8	116	.2	33	12	261	3.19	19	5	ND	1	38	1	2	2	49	.33	.055	8	33	.59	169	.08	2	2.62	.02	.09	2	16
108147	1	54	17	169	.4	35	14	472	3.47	17	5	ND	1	24	1	2	2	57	.24	.172	4	48	.94	142	.10	2	2.57	.01	.21	1	1
108148	1	28	19	102	.7	25	8	296	2.41	21	5	ND	1	36	1	2	2	35	.42	.040	10	26	.41	137	.08	3	2.51	.02	.07	1	1
108149	1	30	18	167	.8	23	9	335	2.52	23	5	ND	1	70	2	2	2	36	.95	.037	8	32	.52	188	.06	5	2.17	.02	.06	2	1
108150	1	57	13	193	.2	31	13	670	3.44	47	5	ND	1	29	1	2	2	51	.30	.081	6	48	.92	112	.08	5	1.94	.01	.24	1	2
108151	1	24	11	153	.4	34	8	583	2.18	13	5	ND	1	18	1	2	2	34	.19	.223	6	22	.38	156	.07	2	2.74	.01	.08	3	4
108152	1	29	16	105	.4	32	10	363	2.45	21	5	ND	1	15	1	2	2	44	.16	.169	5	27	.53	131	.09	4	2.52	.01	.12	2	1
108153	1	26	9	112	.5	37	9	353	2.40	22	5	ND	1	28	1	2	2	40	.28	.153	6	23	.42	158	.10	12	3.06	.02	.10	1	1
108154	1	17	12	140	.3	27	7	659	1.76	7	5	ND	1	23	1	2	2	27	.18	.355	5	16	.28	313	.08	6	2.37	.02	.08	1	1
108155	1	35	9	177	.4	28	10	637	2.85	11	5	ND	1	20	1	2	2	44	.19	.219	8	29	.59	168	.08	2	2.46	.01	.14	1	1
108156	2	61	19	126	.3	29	11	586	3.28	16	5	ND	1	23	2	2	3	52	.23	.086	8	36	.85	135	.08	8	1.89	.01	.22	1	11
108157	1	49	9	132	.3	31	11	436	3.00	16	5	ND	1	20	1	2	2	50	.20	.108	7	37	.76	132	.08	2	1.95	.01	.15	1	13
108158	1	31	23	222	.4	38	10	461	2.85	25	5	ND	1	26	2	2	2	46	.29	.187	6	51	.72	175	.11	2	3.53	.02	.13	1	1
108159	1	17	8	154	.4	23	6	414	1.91	32	5	ND	1	19	2	2	2	29	.15	.135	5	20	.33	129	.08	2	2.73	.02	.08	1	1
108160	1	22	15	212	.6	21	7	565	2.17	62	5	ND	1	20	1	2	2	30	.20	.138	8	18	.37	96	.08	2	2.93	.02	.07	1	4
108161	1	20	23	276	.5	16	6	689	1.99	17	5	ND	2	16	2	2	2	27	.14	.147	10	12	.31	95	.10	2	3.66	.02	.04	1	1
108162	1	29	18	155	.2	32	10	423	3.34	17	5	ND	2	26	1	2	2	61	.28	.266	9	47	.73	201	.14	2	3.48	.01	.09	2	3
108163	1	61	12	92	.3	40	13	407	4.07	66	5	ND	3	47	1	2	2	83	.45	.106	17	65	1.17	172	.14	2	2.51	.01	.20	1	38
108164	2	69	2	74	.1	25	12	246	3.03	21	5	ND	1	25	1	2	2	58	.22	.072	9	31	.69	85	.07	2	1.78	.01	.08	1	8
108167	1	25	7	143	.3	26	9	320	2.73	23	.5	ND	1	17	1	2	2	37	.15	.186	5	18	.34	133	.08	2	2.31	.01	.07	1	34
108168	1	22	14	228	.3	29	9	665	2.24	31	5	ND	1	18	1	2	2	37	.16	.173	5	27	.47	151	.07	2	2.00	.02	.09	1	1
108169	1	11	11	348	.2	17	6	857	1.71	63	5	ND	1	25	2	2	3	24	.23	.154	5	14	.25	98	.09	2	2.86	.02	.06	1	1
108170	1	13	25	301	.3	10	5	739	1.95	51	5	ND	1	21	2	2	2	22	.17	.104	4	7	.14	73	.09	6	2.83	.02	.05	1	730
STD C	18	58	36	126	7.0	67	27	980	3.62	36	18	7	36	48	16	15	16	52	.43	.085	37	55	.78	158	.06	33	1.77	.06	.14	12	-
108171	1	19	4	258	.3	18	10	1097	2.66	33	5	ND	1	28	1	2	2	29	.21	.158	6	16	.61	121	.09	5	2.57	.02	.17	2	7
STD C/AU-S	18	61	42	132	6.8	67	31	960	4.13	42	19	7	36	48	18	14	22	58	.48	.096	37	53	.87	173	.06	35	1.97	.06	.13	13	53

APPENDIX IV

STATEMENT OF COSTS

STATEMENT OF COSTS

1.	**LINE-CUTTING**	
	1.2 line-km @ $385.00/km (all inclusive rate)	$ 462.00
2.	**GEOCHEMICAL SURVEY**	
	A) Labour, accommodation, truck rental 6 man-days @ $265.00/day	1,590.00
	B) Geochemical analysis 180 soil samples for 30 element ICP + geochem Au	1,952.10
3.	**MISCELLANEOUS**	
	Sample shipping	17.80
	TOTAL:	**$4,021.90**

APPENDIX V

STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Russell H. Wong of #700 - 890 West Pender Street, in Vancouver in the Province of British Columbia, do hereby state:

1. That I am a graduate of the University of British Columbia, Vancouver, B.C., where I obtained a B.Sc., in Geology in 1975.

2. That I have been active in mineral exploration since 1973.

3. That I have practiced my profession continuously as a staff geologist for BP Resources Canada Limited, since 1979.

Russell H. Wong
Project Geologist

December, 1989
Vancouver, B.C.