86-600 -15194

GEOCHEMICAL ASSESSMENT REPORT

OF THE GOLD, SILVER, PLATINUM AND PALLADIUM POTENTIAL OF THE NIK 1 - 4 CLAIMS

OWNED BY BP MINERALS LIMITED

OPERATED BY BP RESOURCES CANADA LIMITED
#700 - 890 West Pender Street, Vancouver, B.C. V6C 1K5

OMINECA MINING DIVISION

NTS 94D/9E

Located approximately 10 km northeast of the airstrip at Johanson Lake

Long. 126° 08', Lat. 56° 40'

Dr. S.J. Hoffman
Geochemist

R.H. Wong
Project Geologist

BPVR 86-11 October, 1986

SUMMARY

The Au, Ag, Pt and Pd potential of the NIK was assessed by the reanalysis of 320 archive sample pulps for a suite of 30 elements soluble in aqua regia, augmented by determination of Au, Pt and Pd following a fire assay preconcentration. Results were disappointing, as only three weak Au anomalies having maximum values of less than 100 ppb were identified. Results for Ag, Pt and Pd were less than 1 ppm and at the 50 ppb, 50 ppb detection limit, respectively. Reanalysis of samples for Pt and Pd using a 2 ppb detection limit is needed before comment can be made on the platinum potential of a large zoned ultramafic complex.

The study reaffirmed the Cu and Mo anomalies but failed to identify sweateners, such as Ag, Cd, W, Au and Pb to the ore element suite. The property thus has to be assessed based on base metal values alone along the southwestern margin of an ultramafic complex, and associated with volcanics units along an east-west trending valley south of the ultramafic intrusion.

The multielement study has effectively mapped the ultramafic intrusion into many more units than are mapped geologically. These may become important should at a Pt group element potential be recognized.

RECOMMENDATIONS

1. Samples should be reanalyzed for Pt and Pd using a 2 ppb detection limit.

2. Continued analysis of archive pulps is to be recommended in areas on the claim group where these data are not yet available.

3. The ICP data for Sb, W, As and Pb associated with ultramafic rocks should be reviewed, in view of the unusual matrix comprising ultramafic-derived soils.

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INTRODUCTION

In recent years exploration emphasis has shifted to Au, Ag, Pt and Pd. In view of the occurrence of extensive copper soil anomalies within each of the claims and associated ultramafic rocks, it was decided to evaluate the claim areas by reanalysis of 320 available samples for metals of interest including lead, nickel, gold, silver, platinum and palladium. A multi-element analytical technique was also selected to assist geological mapping and perhaps identify alteration zones. This report summarizes results from that work.

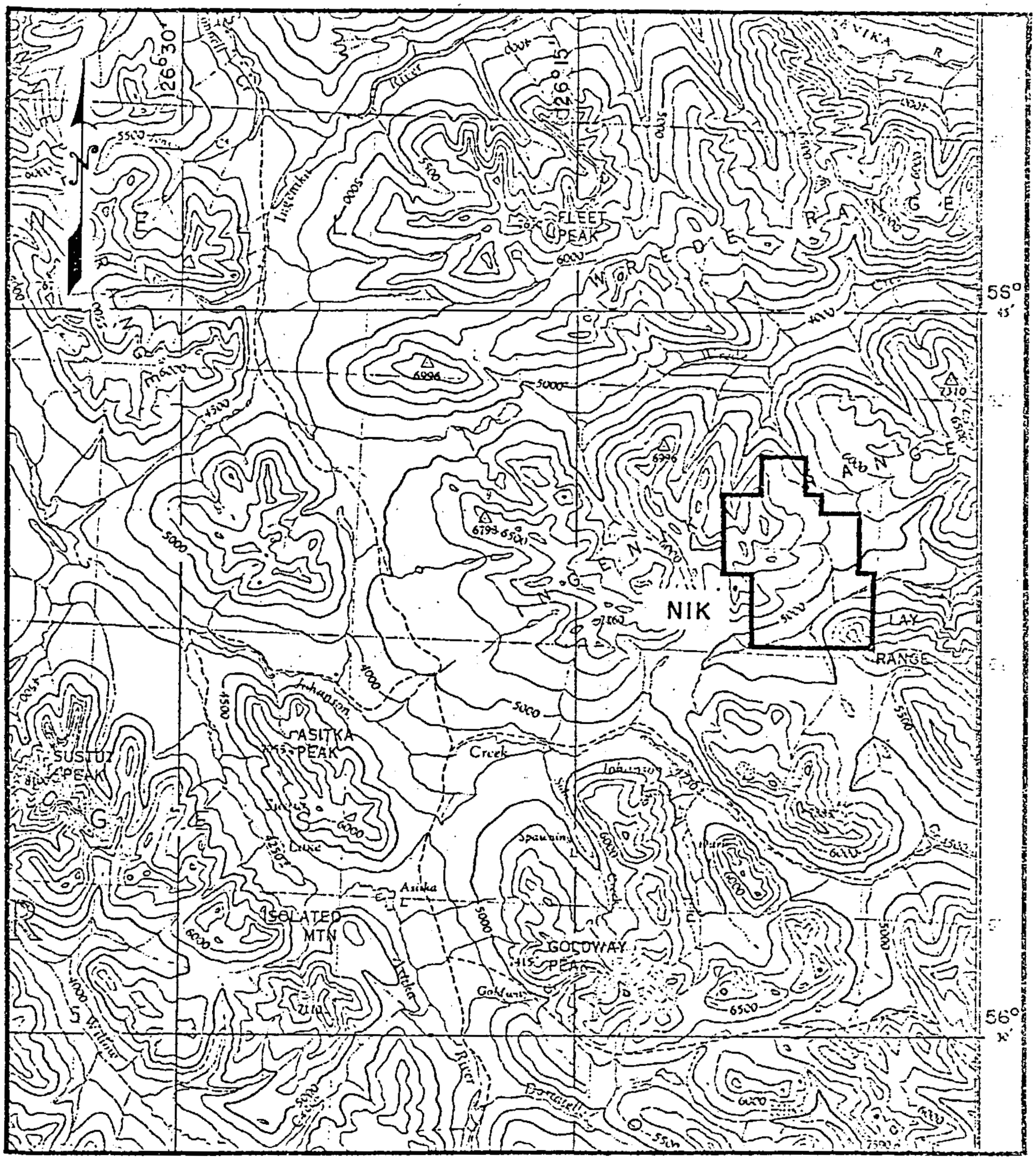
LOCATION AND ACCESS

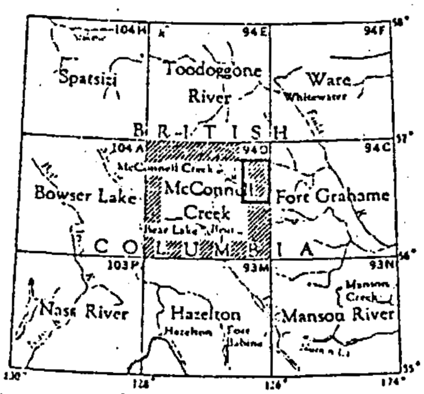
The NIK claims lie within the Omineca Mining Division, 10 km NNE of the airstrip at Johanson Lake, B.C. (Fig. 1).

Access to the claims is by helicopter from Johanson Lake, located on the Omineca highway from Fort St. James. A four wheel drive access road was constructed to the property in 1977, but is probably not useable today without upgrading.

CLAIM STATUS (Fig. 2)

1. NIK 1 (#139(10)) 12 units recorded Sept. 16, 1976 (300 hectares)
2. NIK 2 (#140(10)) 18 units recorded Sept. 16, 1976 (450 hectares)

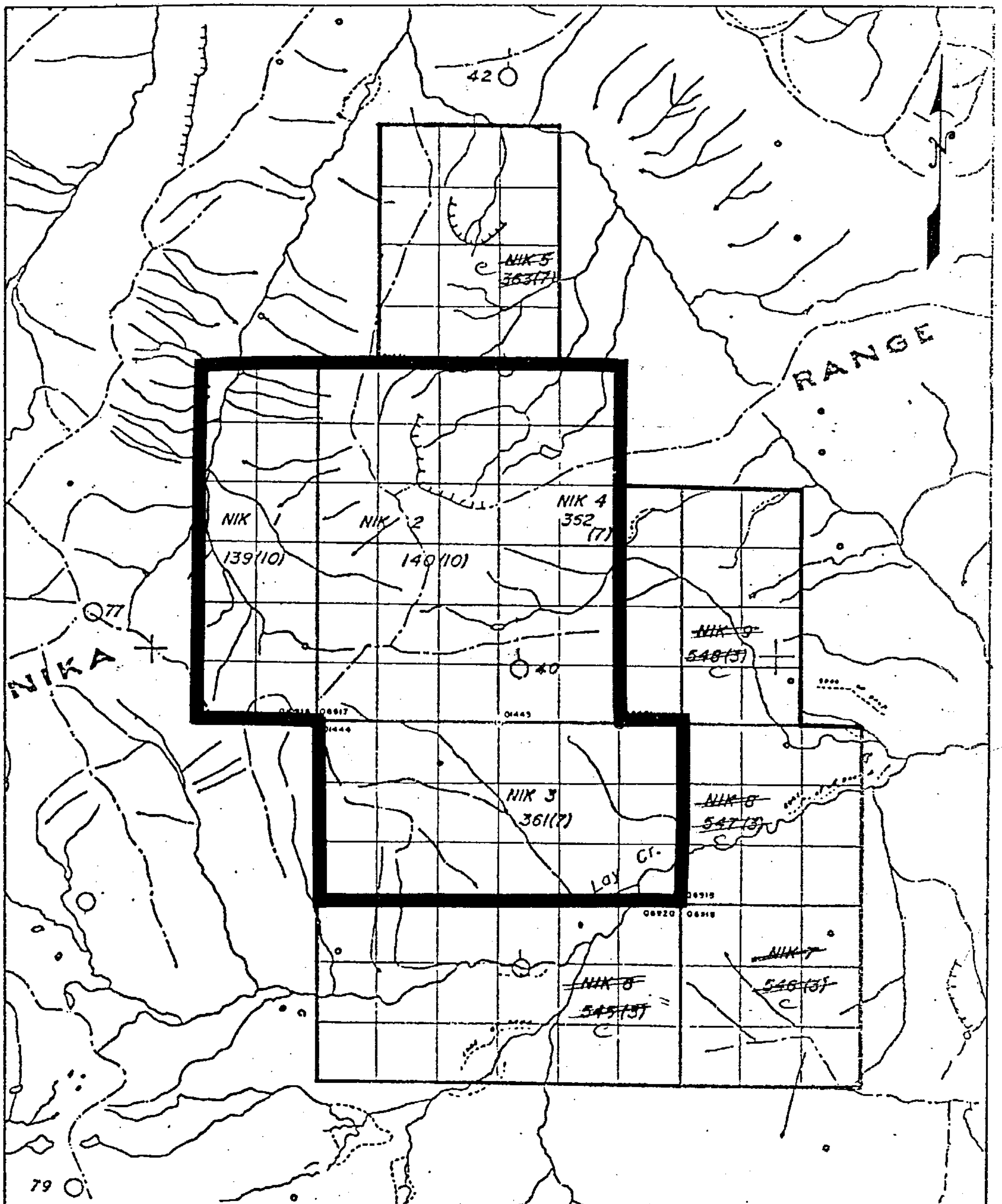




BP Minerals Limited

TOODOGGONE - MESILINKA, B.C.
INGENIKA - NIK
PROPERTY

SCALE 1 Inch = 250,000 Feet		NTS 94 D	FIG. 1
505-81-6	DATE OCT. 1981	PROJ. 505	
To accompany report:	BPVR 86-11		



METRES

0 50 100 150 200 250

BP Minerals Limited

LAND STATUS
NIK CLAIMS
TOODOGGONE PROJECT

SCALE 1:50,000		NTS 94 D/9,16	FIG. 2
505-81-7	DATE OCT. 1981	PROJ. 505	
To accompany report:	BPVR 86-11		

3. NIK 3 (#361(7)) 18 units recorded July 19, 1977
(450 hectares)

4. NIK 4 (#362(7)) 12 units recorded July 19, 1977
(300 hectares)

GENERAL GEOLOGY

Claims lie within the "Quesnel Trough", a northwest trending linear belt of Mesozoic volcanic and sedimentary units separating late Palezoic rocks of the Pinchi Geanticline in the west from Proterozoic and Paleozoic metasediments of the Omineca Geanticline in the east. The claims are underlain by Takla Group, fine- to coarse-grained pyroclastic and flow andesites along the south, southeastern and eastern margins of the claims, in contact with pyroxenite and/or peridotite of the NIK claims ultramafic pluton. Plugs and dykes of diorite, monzodiorite and quartz diorite intrude claim units. A major structural zone, labelled the NIK lineament trends northwestward through the claims. Northwestward trending thrust faults position Proterozoic and Pennsylvanian units to the northeast of the land holding.

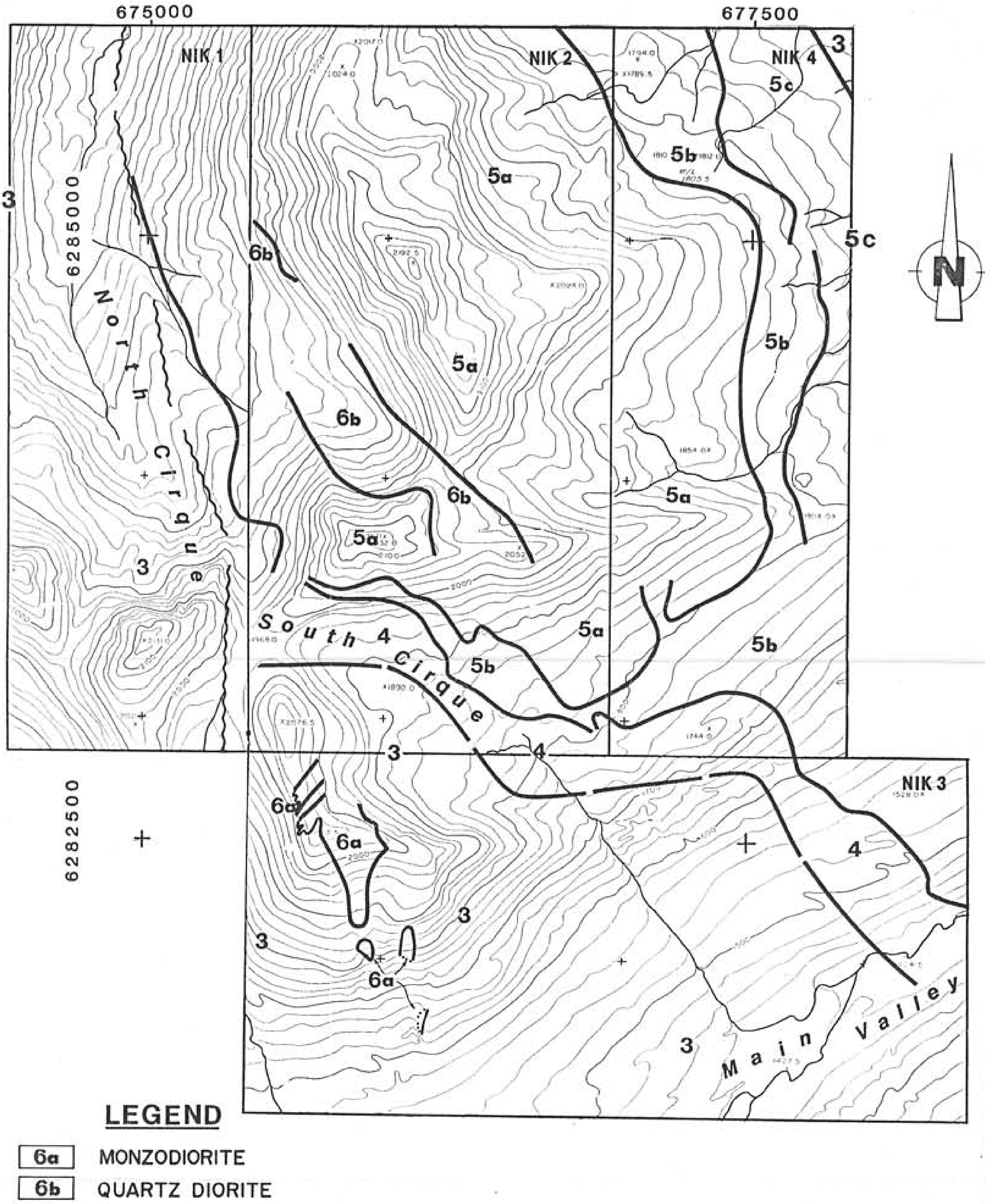
Intense structural preparation combined with strong copper-molybdenum geochemical anomalies in overburden have attracted exploration interest to the area. Chalcopyrite and/or bornite occurrences are found in boulders within locally derived overburden or in bedrock. These grade up to 1 to 2% copper. The geology on these claim groups have never been tested for their Au, Ag, Pt or Pd potential.

PROPERTY GEOLOGY

The NIK 1-4 claims cover most of Wrede Creek zoned ultramafic complex, the largest of several such ultramafic bodies in the McConnell Creek map-area. The complex is exposed over an area 2 km by 5 km and is elongate in a northwesterly direction (Fig. 3). A major north-trending fault, the NIK fault forms the western border of the complex, while faults generally trending northwest bound the complex on its northeastern and eastern sides. To the south and southeast, the ultramafic rocks are in intrusive contact with hornfelsed volcanic units of the Takla Group.

a) Ingenika Sediments and Lay Range Volcanics

The Ingenika Sediments and Lay Range Volcanics (units 1 and 2 in the geologic legend) occur to the northeast of the claim area and are in fault contact both with each other and the ultramafic complex. The Ingenika Sediments, of Proterozoic age, comprise a monotonous sequence of



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS
——	Contact
~~	Fault

200 0 200 400M

SELCO DIVISION-
BP RESOURCES CANADA LIMITED

NIK CLAIMS

TOODOGGONE PROJECT - B.C.

GEOLOGY

DWG. NO.	DATE OCT 86	PROJ #505	FIG. 3
REPORT NO.	NTS 94D/9	SCALE 1:20000	
TO ACCOMPANY REPORT:	BPVR 86-11		

quartzo-feldspathic gritty sandstone, siltstone, shale and minor conglomerate and limestone with metamorphic equivalents up to kyanite grade. The Lay Range Volcanics are of Pennsylvanian age and consist of intermediate to mafic lithic tuff, breccia and pillow lava.

b) Takla Volcanics and Amphibolite

Rocks of the Upper Triassic Takla Group (unit 3) make up a thick succession of volcanic and sedimentary strata striking in a general east-west direction and dipping moderately to the south. Massive andesitic, augite-rich, coarse pyroclastics and flows pass upward into fine-grained tuffs and tuffaceous arenites containing interbeds of argillite and limestone. Along the southern margin of the ultramafic complex, hornfelsing of the volcanics has produced an amphibolite (unit 4) aureole up to 400 m in width. Hornblende hornfels, displaying rare relict volcanic textures, occurs immediately adjacent to the ultramafic complex. This grades outward into rocks of the albite-epidote hornfels facies in which relict augite and relict pyroclastic textures are evident.

c) Ultramafic Rocks: Dunite, Peridotite-Pyroxenite, Hornblendite (Units 5a,b,c)

The ultramafic complex displays a crudely concentric zoning, progressing outward from a core of dunite to a rim of pyroxenitic rocks. Within this rim of pyroxenitic rocks, lithologies are seen to pass gradationally outward from olivine pyroxenite to pyroxenite, to hornblende pyroxenite ± olivine. Peridotite occurs as small irregular zones within the pyroxenite. Extensive metasomatism at the margin of the ultramafic complex has transformed much of the peripheral hornblende-olivine pyroxenite into an altered rock referred to here as metasomatic hornblendite.

The dunite core dominates the ultramafic complex both areally and topographically. Massive dunite, outcropping over an area approximately 2 km by 3 km, forms the broad ridge central to the claim area.

Dunite is distinguished by a commonly well-developed skin of orange-brown weathering which ranges up to 3 cm in thickness. On fresh surfaces, the dunite displays a characteristic granular texture with medium-grained (1-4 mm), black olivine composing 95 to 98 percent of the rock.

Slightly finer-grained chromite makes up 2 to 5 percent of the rock, occurring as disseminations and rare schlieren-like concentrations. These latter concentrations of chromite are the only suggestions of cumulate or compositional layering evident in the dunite. A moderately to well-developed set of orthogonal fractures is common in the dunite.

Although less well-exposed than the dunite for the most part, pyroxenitic rocks appear to constitute a continuous rim ranging from 50 to greater than 1000 m wide on the northern, eastern and southern sides of the dunite. In plan, the pyroxenitic unit is widest in the southeast and tapers considerably to the west and northwest. On the western side of the dunite, the pyroxenitic rim has been truncated by a major north-trending fault.

Where exposed, the contact between dunite and the pyroxenitic unit is very sharp, occurring within 5 m. The contact itself is locally a zone of weakness and is marked topographically by curving gullies.

Olivine pyroxenite is invariably found immediately adjacent to the dunite contact and is commonly present for up to 100 m outward. Where the pyroxenitic rim tapers in the southwest of the complex, only 50 m of olivine pyroxenite separates dunite from hornfelsed country rocks.

Olivine pyroxenite is a medium-grained equi-granular rock which weathers to a grey-green colour. On fresh surfaces, invariably serpentinized olivine, comprising 3-10% of the rock, appears as small blackclots interstitial to the generally unaltered clinopyroxene. Olivine is less commonly pseudomorphed by strongly coloured green bowlingite or red-brown iddingsite.

The gradational nature of the contact between olivine pyroxenite and pyroxenite is best seen in drill core. Olivine gradually becomes more and more sporadic in occurrence before disappearing completely. This change generally occurs within tens of metres. Interestingly, within some of these sporadic zones of olivine occurrence, the olivine may constitute up to 50 percent of the rock and in these cases could more correctly be called peridotite. Peridotite pods within the pyroxenite outcrop in at least two places. Peridotite is easily recognized by its irregular weathered surface due to the differential weathering of clino-pyroxene and olivine. Also, peridotite tends to be more resistant than the surrounding pyroxenite, owing to the usually high degree of serpentinization of the olivine.

Hornblende-olivine pyroxenite was not noted in outcrop and was only seen in a single diamond drill hole where it constitutes the peripheral 200 m or more of the ultramafic complex. In hand-specimen, the rock is dark black, very strongly magnetic, and displays abundant hornblende crystals commonly up to 1 cm or more in length.

Metasomatic hornblendite outcrops intermittently along the northern, eastern and southern edges of the ultramafic body but is most prevalent in the southeastern portion of the complex. Although it appears to constitute a relatively large proportion of the ultramafic body areally, the extent of this unit is probably exaggerated somewhat by the combined effects of topography and a possible southeasterly plunge to the complex.

Metasomatic hornblendite is considered by the writer to be the altered equivalent of hornblende-olivine pyroxenite based on its relative position, distribution and contact relations within the complex, its highly-magnetic and hornblende-rich nature, and its extensive metasomatic alteration. The hornblendite is a coarse-grained rock containing 40 to 80 percent hornblende in a matrix of white to light green interstitial material and magnetite.

The contact between metasomatic hornblendite and adjacent pyroxenite is broadly gradational over tens of metres. Outward from pyroxenite, the rock progresses to pyroxenite replaced or "dyked" by hornblendite, to hornblendite containing small unreplaced zones of pyroxenite (and/or hornblende-olivine pyroxenite), to massive hornblendite.

d) Monzodiorite and Quartz Diorite

Numerous dykes, ranging from .5 m to 150 m in width, intrude the ultramafic complex and adjacent Takla Group volcanics. Dyke rocks vary considerably both in texture and composition. Equigranular to porphyritic diorite, quartz diorite and monzodiorite are the predominant lithologies, but granodiorite and rare quartz-k-feldspar pegmatite are also present.

A large intrusive body of mainly monzodiorite composition, known as the Fleet Peak pluton, outcrops to the north within 3 km of the ultramafic complex. This pluton is Jurassic in age and correlative with the Omineca Intrusions. Dioritic to granitic dykes evident in the study area are considered by the writer to be apophyses of this pluton, representing early to late differentiates.

TOPOGRAPHY

The NIK claims cover an "F" shaped ridge, the adjoining valley to west ("Fault Creek") and south and the area to the east; including the "Main Valley" (containing the south fork of Wrede Creek) and the westernmost tip of the Lay Range. The "F" shaped ridge has steep slopes along its western, southern and northern sides but opens broadly and gradually to the valleys on the north and east. The Lay Range has steeply sloping sides on its western and northern flanks. The valleys on the north and east of the "F" shaped ridge, the "Main Valley" and the valley of Upper Lay Creek exhibit the characteristic "U" shape erosional form produced by valley glaciers. "South Cirque" is a gently rolling, broad, hanging wall valley. "North Cirque" has a narrow, steeply sloping headwall typical of local alpine glaciation. Elevations range from 1400 m in the "Main Valley" to 2200 m on top of the "F" shaped ridge and the Lay Range.

VEGETATION

Timberline is locally variable but averages about 1700 m in elevation. The forest cover below this level is predominantly coniferous; consisting of black spruce and balsam fir with alder dominating large seepage areas and "Main Valley" bottom land. Grass, moss, lichens and alpine flowers are common above 1700 m in "North" and "South" cirques. Vegetation is sparse over much of the northern and central portions of the area. The ultramafic rocks are deficient in potassium, phosporus and other mineral constituents needed to aid plant growth.

OVERBURDEN AND SOILS

Overburden comprises locally derived residual material at upper elevations, particularly over ultramafic units. Downslope, colluvial movement or landsliding has produced talus fans aproning the mountain ranges. Glacial tills are thin except perhaps along the main valley of the tributary of Wrede Creek. In the latter environment, alluvial deposits of the creek are also prominent.

Overburden thickness generally averages 1 to 3 m at higher elevation, and between 5 m and 30 m in cirque valleys and the Main Valley. A solifluction lobe is a prominent feature of North

Cirque. Thick overburden accumulations in the two cirque valleys is a reflection of extensive landsliding rather than being due to glacial action.

Soils are weakly developed. They generally have a thin leaf Humus (LH) horizon several cm thick, underlain by a medium brown zone slightly modified from underlying parent material (BM). Accumulation of Fe to form a BF horizon defined as a medium red brown layer, is not common.

SAMPLE ANALYSIS

Soil samples at 320 sites (Fig. 4) have been reanalyzed. Samples comprise inorganic material collected from the top of the "B" soil horizon in 1976-1977 and stored as pulps on behalf of Selco Division by Vangeochem Labs Ltd. They were required to subject the samples to a multi-element analysis, as well as determine their Au, Pt and Pd contents. Analytical methods are summarized in Appendix 1.

METHOD OF DATA EVALUATION

Appendix 2 lists field technical data and analytical results in three parts, appropriately numbered in the upper right hand corner of each page. Histograms were drawn to summarize the distribution of metal values in soil samples on the NIK claims (Fig. 5).

The interpretation of histograms procedure is relatively straightforward: subjectively determine population groupings on histograms constructed using either arithmetic or geometric (logarithmic) concentration intervals and then highlight the upper tails of each population. The influence of exceptionally high values can be minimized by truncating for this purpose. Histogram interpretation has been used to establish contour levels for the geochemical maps of Fig. 6.

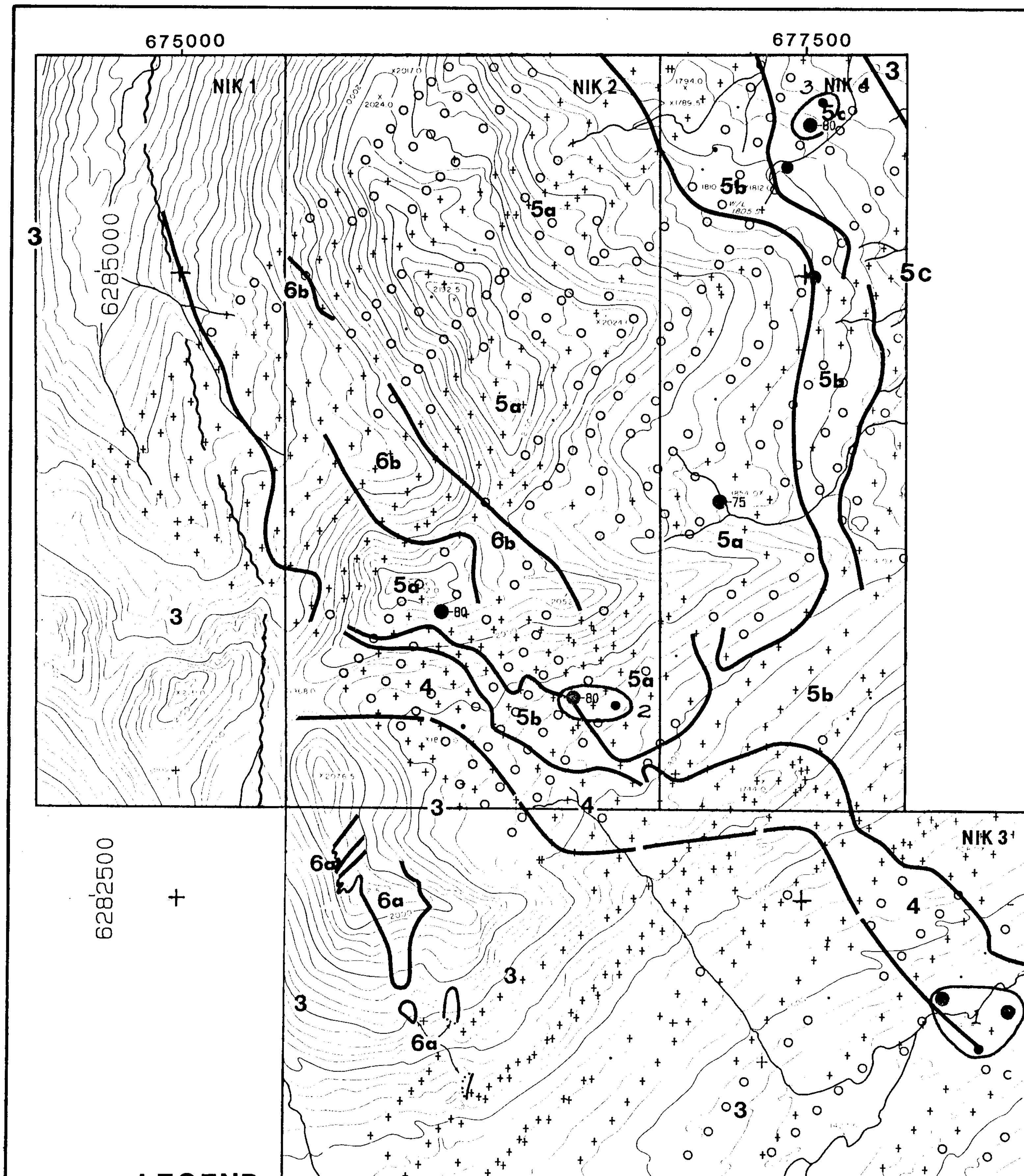
DESCRIPTION OF RESULTS

1. Introduction

Geochemical data for the NIK claims are presented on Fig 6. reanalyzed for purposes of this report, the location is nevertheless indicated by a cross (+).

2) The Precious Metals Au (Fig. 6a), Ag (Fig 6b), Pt (Fig 6c), Pd (Fig. 6d).

Of all the precious metal data, only 3 multisample gold anomalies are outlined. Remaining Au values are at



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

— Contact

〰 Fault

\+ No Analysis

- > 50
- >35 TO 50
- >20 TO 35
- >15 TO 20
- >10 TO 15
- >5 TO 10
- 0 TO 5

200 0 200 400

Scale in Metres

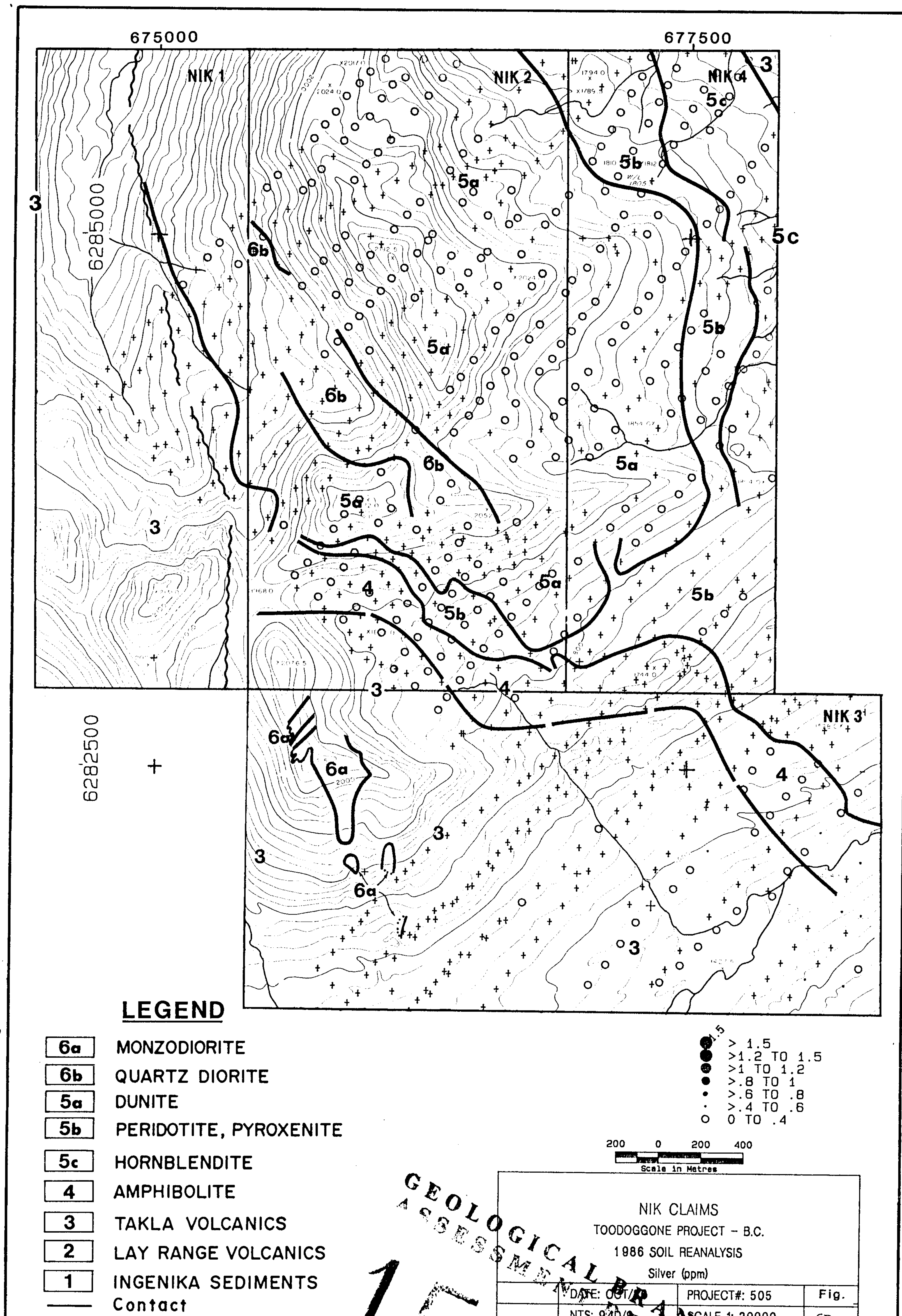
NIK CLAIMS

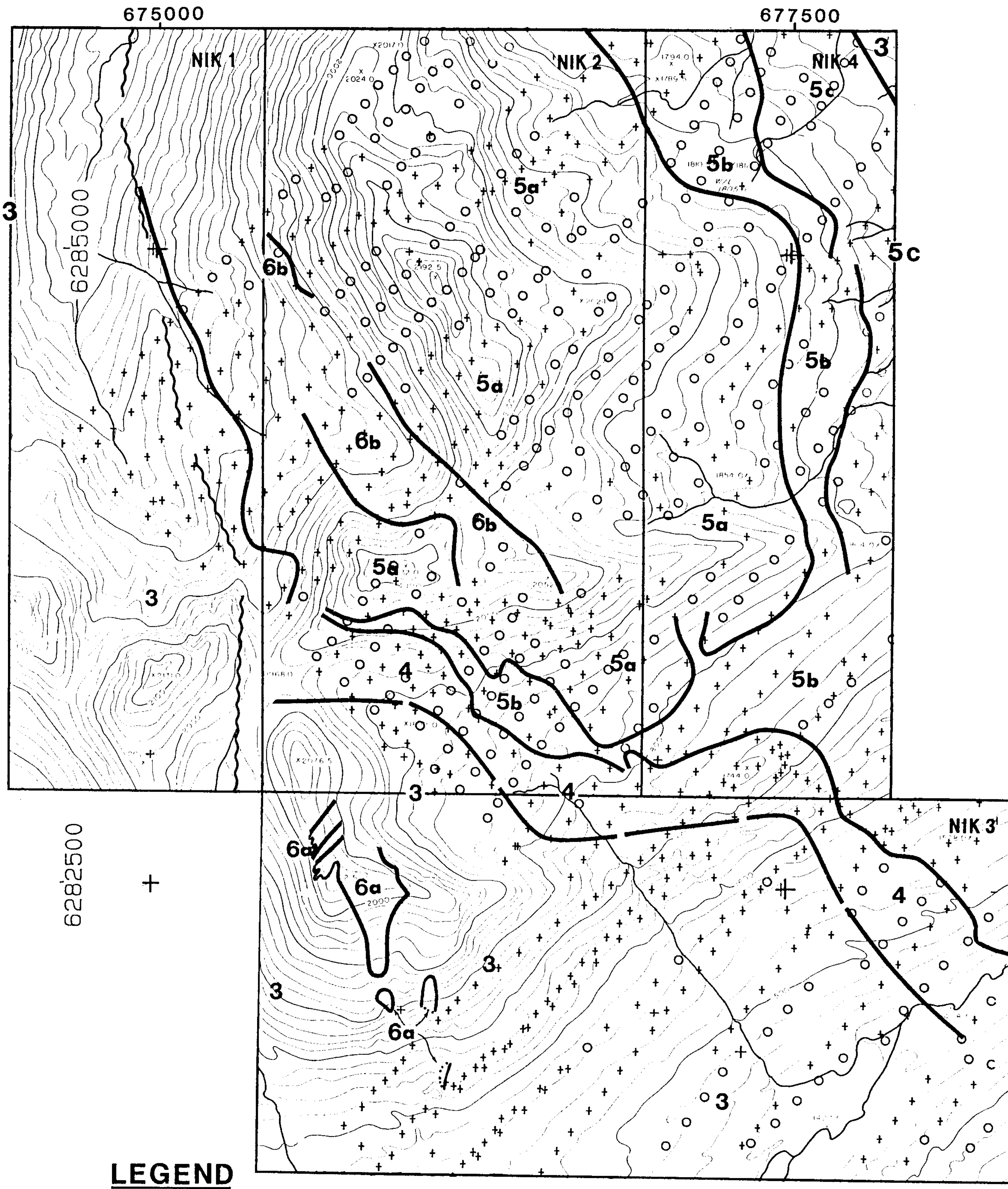
TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

Gold (ppb)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1:20000	6A
	BPVR 86-11	


675000
677500
6285000
6282500
NIK 1
NIK 2
NIK 4
NIK 3
3
4
5a
5b
5c
6a
6b
LEGEND
6a MONZODIORITE
6b QUARTZ DIORITE
5a DUNITE
5b PERIDOTITE, PYROXENITE
5c HORNBLENDITE
4 AMPHIBOLITE
3 TAKLA VOLCANICS
2 LAY RANGE VOLCANICS
1 INGENIKA SEDIMENTS
Contact
Fault
+ No Analysis
> 1.5
>1.2 TO 1.5
>1 TO 1.2
>.8 TO 1
>.6 TO .8
>.4 TO .6
0 TO .4
200 0 200 400
Scale in Metres
NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Silver (ppm)
DATE: OCT/86
PROJECT#: 505
Fig.
NTS: 94D/9
SCALE 1: 20000
6B
BPYB 86-11



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

—— Contact

〰 Fault + No Analysis

- > 300
- >250 TO 300
- >200 TO 250
- >150 TO 200
- >100 TO 150
- >50 TO 100
- 0 TO 50

200 0 200 400

Scale in Metres

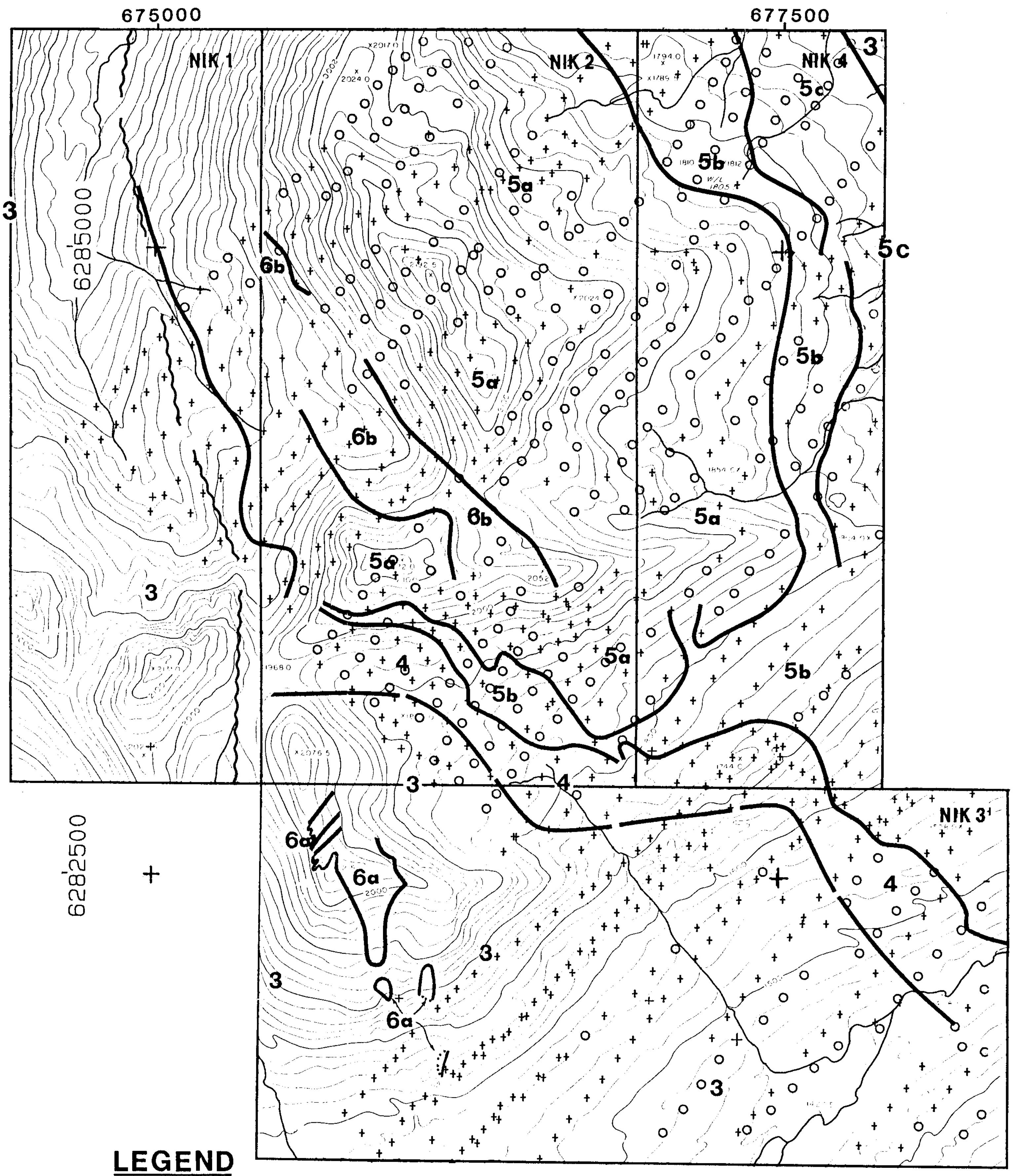
NIK CLAIMS

TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

Platinum (ppb)

DATE: OCT/86	PROJECT#: 5067	Fig.
NTS: 94D/9	SCALE 1: 20000	6C
	BPVR 86-11	



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

—— Contact

〰 Fault

\+ No Analysis

- > 300
- >250 TO 300
- >200 TO 250
- >150 TO 200
- >100 TO 150
- >50 TO 100
- 0 TO 50

200 0 200 400

Scale in Metres

NIK CLAIMS

TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

Palladium (ppb)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6D
	BPVR 86-11	

backgrounds of less that 10 ppb or are represented the odd isolated high value of up to 80 ppb.

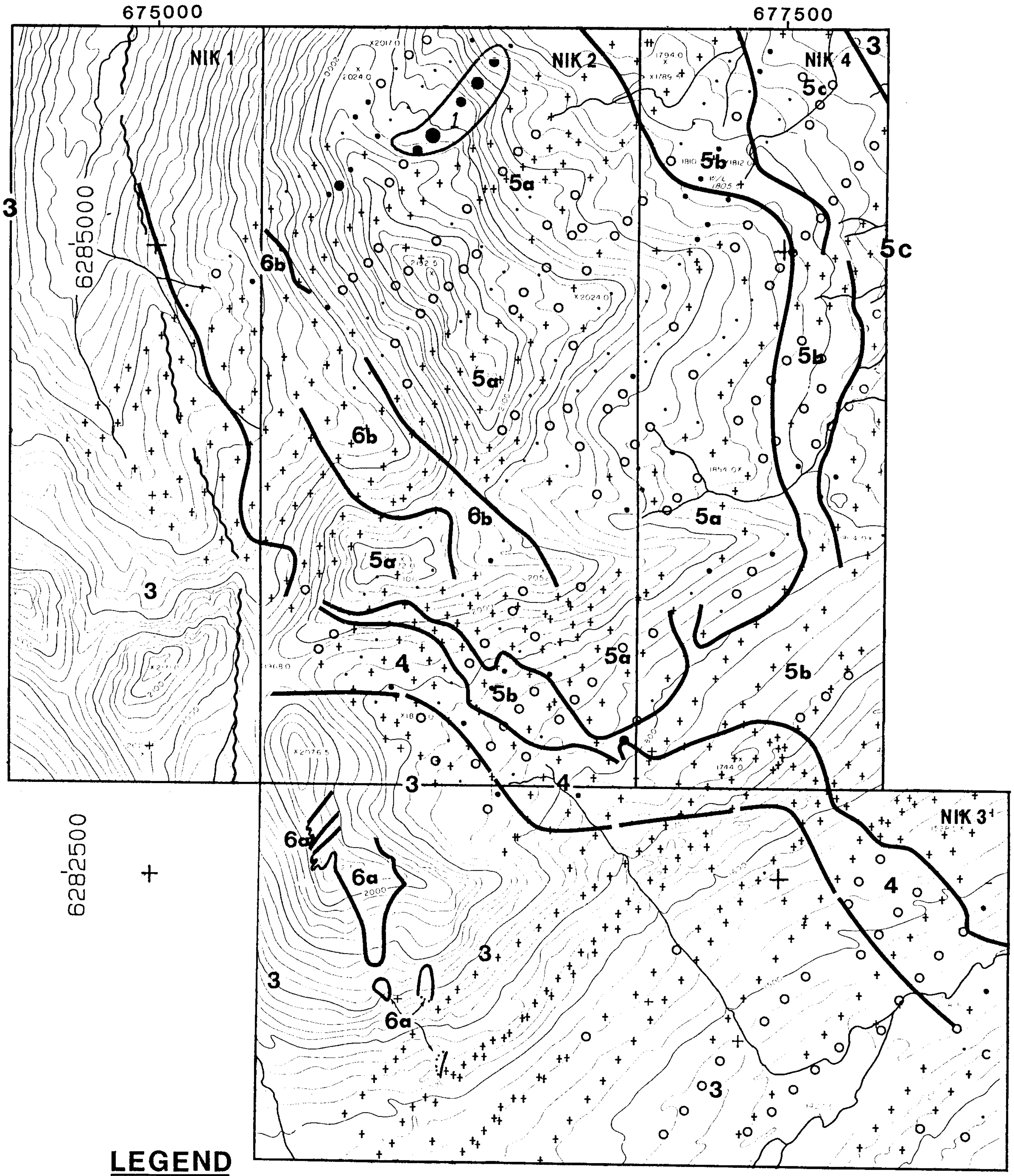
3. <u>The Pathfinder Elements</u> Sb (Fig. 6e), As (Fig. 6f), Bi (Fig. 6g).

One Sb anomaly is outlined in the north, associated with the dunite. Sb values are generally enhanced over the dunite, and it is suspected that a spectral interference might be spuriously producing the Sb distribution.

Eleven multisample As anomalies exceed a threshold of 12 ppm, to a maximum of 50 ppm. The largest anomaly is 600 m long and 200 m wide. The majority of the As anomalies appear associated with dunite or peridotite/pyroxenite which generally comprise clusters of two or three contiguous samples. Average As background over these geologic units is also somewhat enhanced compared to the volcanics. Bi levels do not vary sufficiently above background to be considered anomalous.

4. <u>The Base Metals</u> Cu (Fig. 6h), Pb (Fig. 6i), Zn (Fig. 6j), Cd (Fig. 6k), Mo (Fig. 6l), W (Fig. 6m).

Descriptions of the Cu, Mo and Zn distributions have been reported previously. These have not changed, based on the



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
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2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

—— Contact

〰 Fault + No Analysis

- > 12
- >10 TO 12
- >8 TO 10
- >6 TO 8
- >4 TO 6
- >2 TO 4
- 0 TO 2

200 0 200 400

Scale in Metres

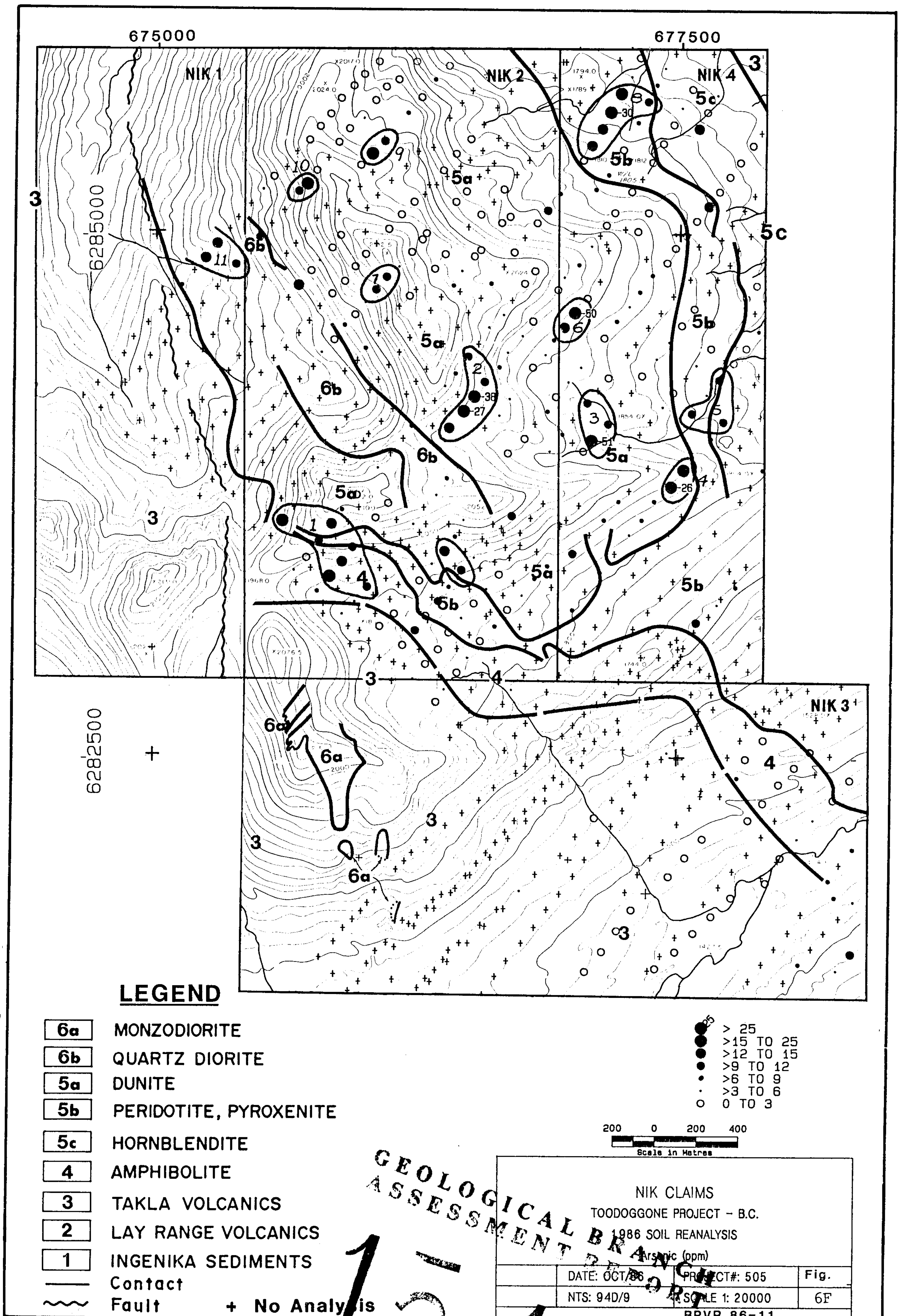
NIK CLAIMS

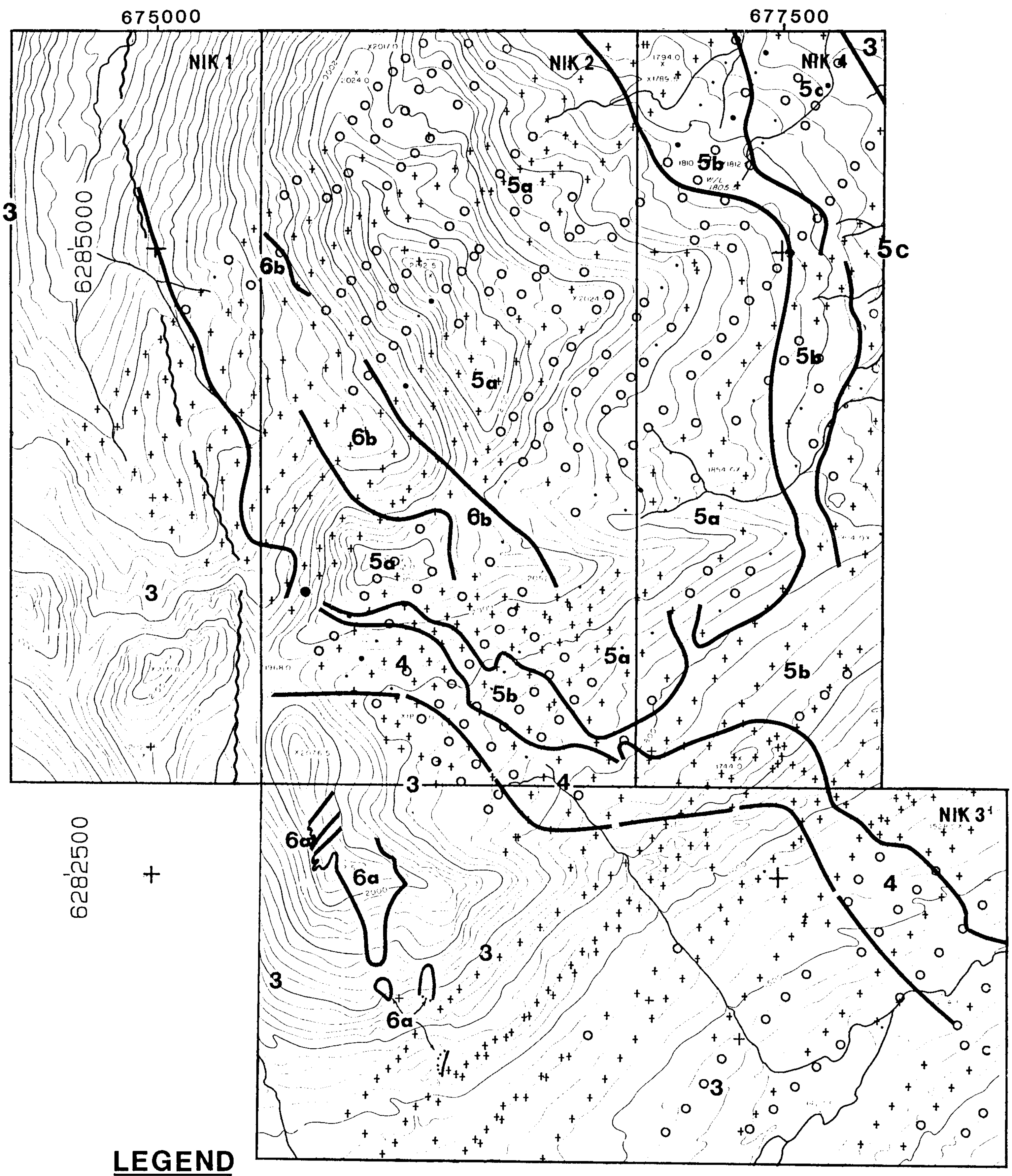
TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

Antimony (ppm)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE: 1: 20000	6E
	GPXR 86-11	


675000
677500
NIK 1
NIK 2
NIK 4
NIK 3
6285000
6282500
3
4
5a
5b
5c
6a
6b
LEGEND
6a MONZODIORITE
6b QUARTZ DIORITE
5a DUNITE
5b PERIDOTITE, PYROXENITE
5c HORNBLENDITE
4 AMPHIBOLITE
3 TAKLA VOLCANICS
2 LAY RANGE VOLCANICS
1 INGENIKA SEDIMENTS
Contact
Fault
+ No Analysis
> 25
>15 TO 25
>12 TO 15
>9 TO 12
>6 TO 9
>3 TO 6
0 TO 3
200 0 200 400
Scale in Metres
NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Arsenic (ppm)
DATE: OCT/86
PROJECT#: 505
Fig.
NTS: 94D/9
SCALE 1: 20000
6F
BPVR 86-11



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

—— Contact

〰 Fault

\+ No Analysis

- > 18
- >15 TO 18
- >12 TO 15
- >9 TO 12
- >6 TO 9
- >3 TO 6
- 0 TO 3

200 0 200 400

Scale in Metres

GEOLOGICAL BRANCH ASSESSMENT REPORT

15,194

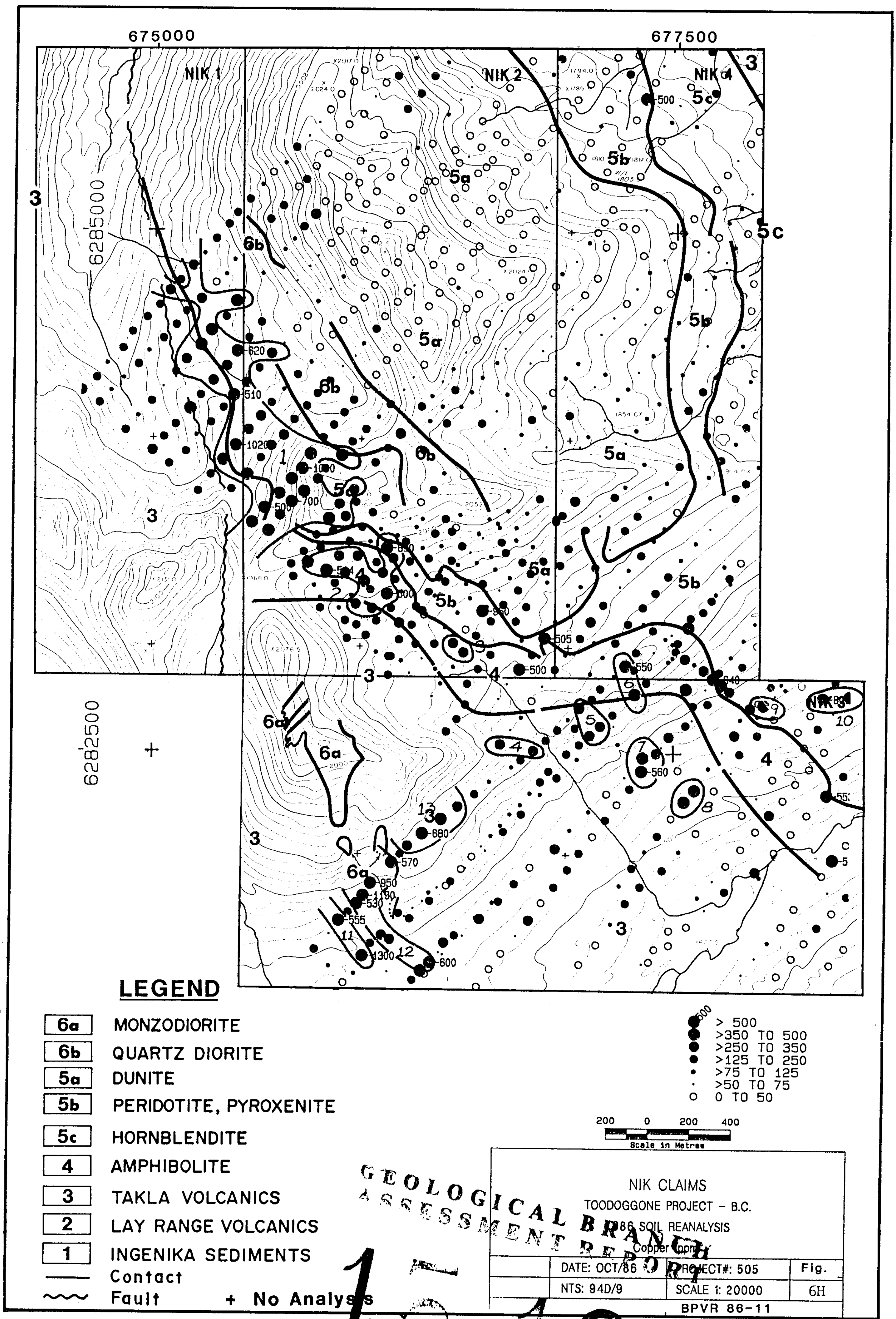
NIK CLAIMS

TOODOGGONE PROJECT - B.C.

1986 SOIL GEOANALYSIS

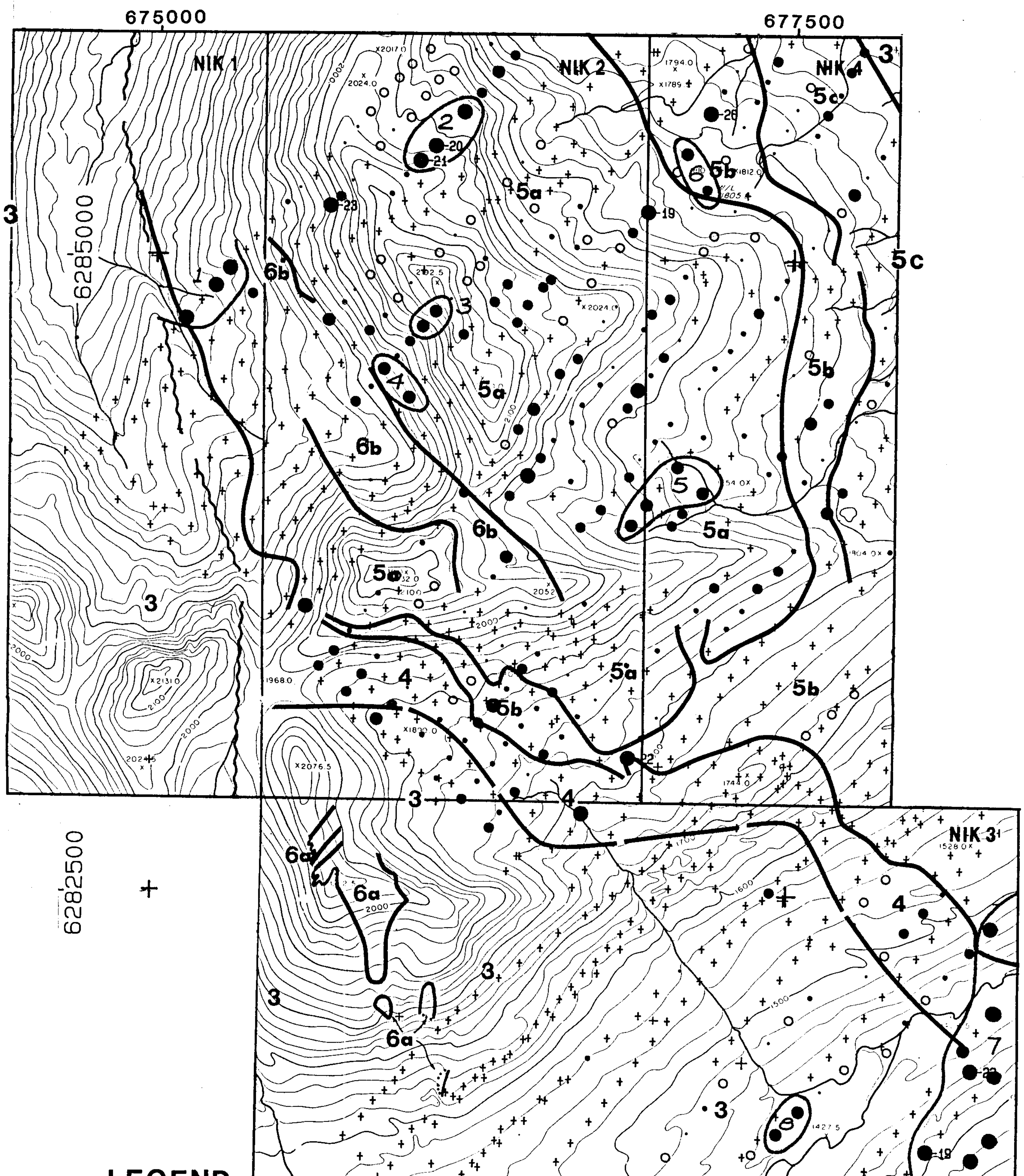
Bismuth (ppm)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6G
	PVR 86-11	



675000
677500
6285000
6282500
NIK 1
NIK 2
NIK 4
NIK 3
LEGEND
6a MONZODIORITE
6b QUARTZ DIORITE
5a DUNITE
5b PERIDOTITE, PYROXENITE
5c HORNBLENDITE
4 AMPHIBOLITE
3 TAKLA VOLCANICS
2 LAY RANGE VOLCANICS
1 INGENIKA SEDIMENTS
Contact
Fault
+ No Analysis
> 500
>350 TO 500
>250 TO 350
>125 TO 250
>75 TO 125
>50 TO 75
0 TO 50
200 0 200 400
Scale in Metres
NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Copper (ppm)
DATE: OCT/86
PROJECT#: 505
Fig.
NTS: 94D/9
SCALE 1: 20000
6H
BPVR 86-11
GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,194



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

\+ No Analysis

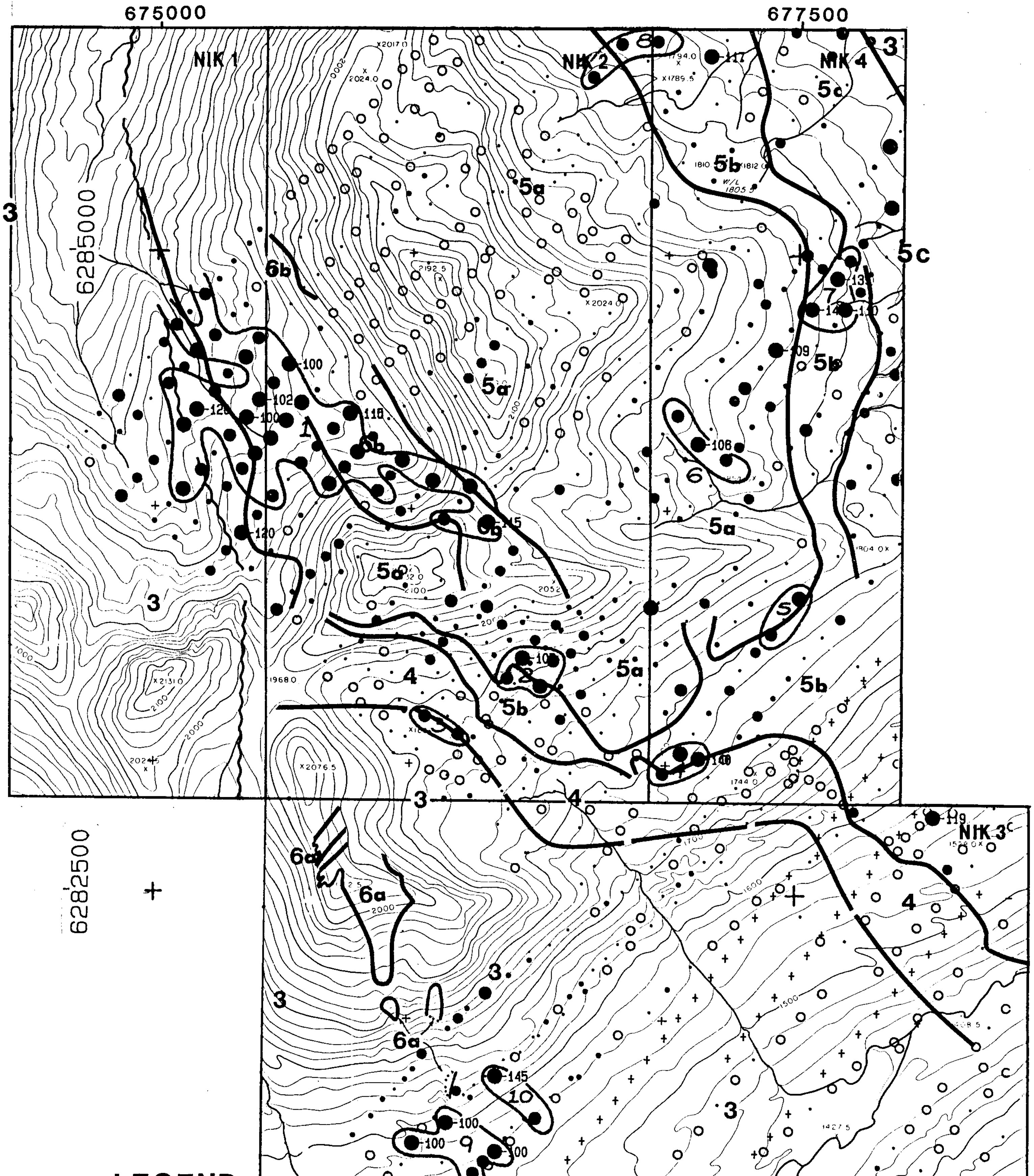
19 > 19
>16 TO 19
>14 TO 16
>12 TO 14
>10 TO 12
>8 TO 10
0 TO 8

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT – B.C.
1986 SOIL REANALYSIS
Lead (ppm)

DATE: OCT/86	PROJECT: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6I

BPVR 86-11



LEGEND

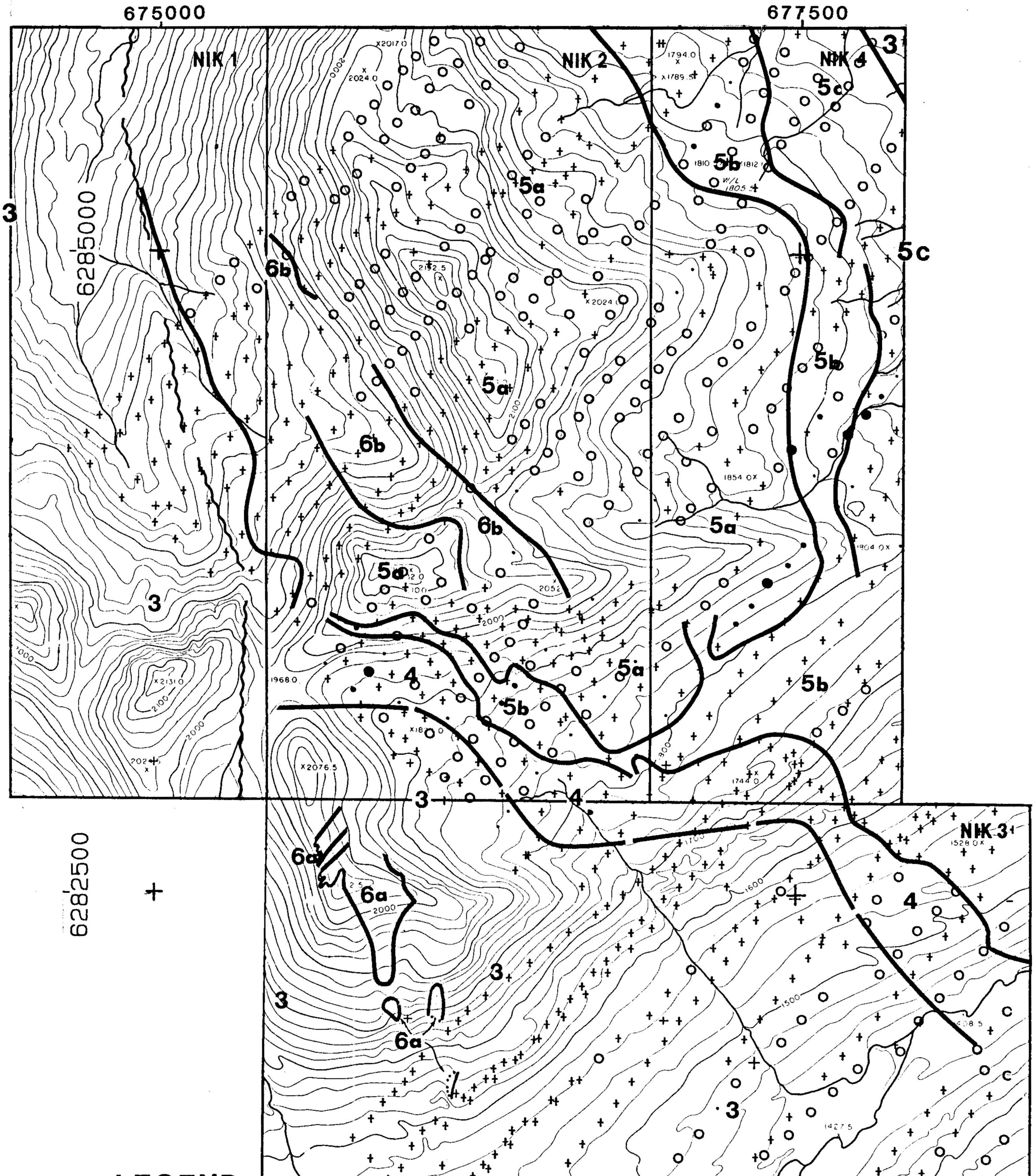
- **6a** MONZODIORITE
- **6b** QUARTZ DIORITE
- **5a** DUNITE
- **5b** PERIDOTITE, PYROXENITE
- **5c** HORNBLENDITE
- **4** AMPHIBOLITE
- **3** TAKLA VOLCANICS
- **2** LAY RANGE VOLCANICS
- **1** INGENIKA SEDIMENTS
- —— Contact
- 〰 Fault
- \+ No Analysis

- \> 100
- \>90 TO 100
- \>80 TO 90
- \>70 TO 80
- \>55 TO 70
- \>40 TO 55
- 0 TO 40

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL ANALYSIS
Zinc (ppm)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6J
	BPR 86-11	



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

\+ No Analysis

● > 1.2
● >1 TO 1.2
● >.8 TO 1
● >.6 TO .8
• >.4 TO .6
· >.2 TO .4
○ 0 TO .2

200 0 200 400

Scale in Metres

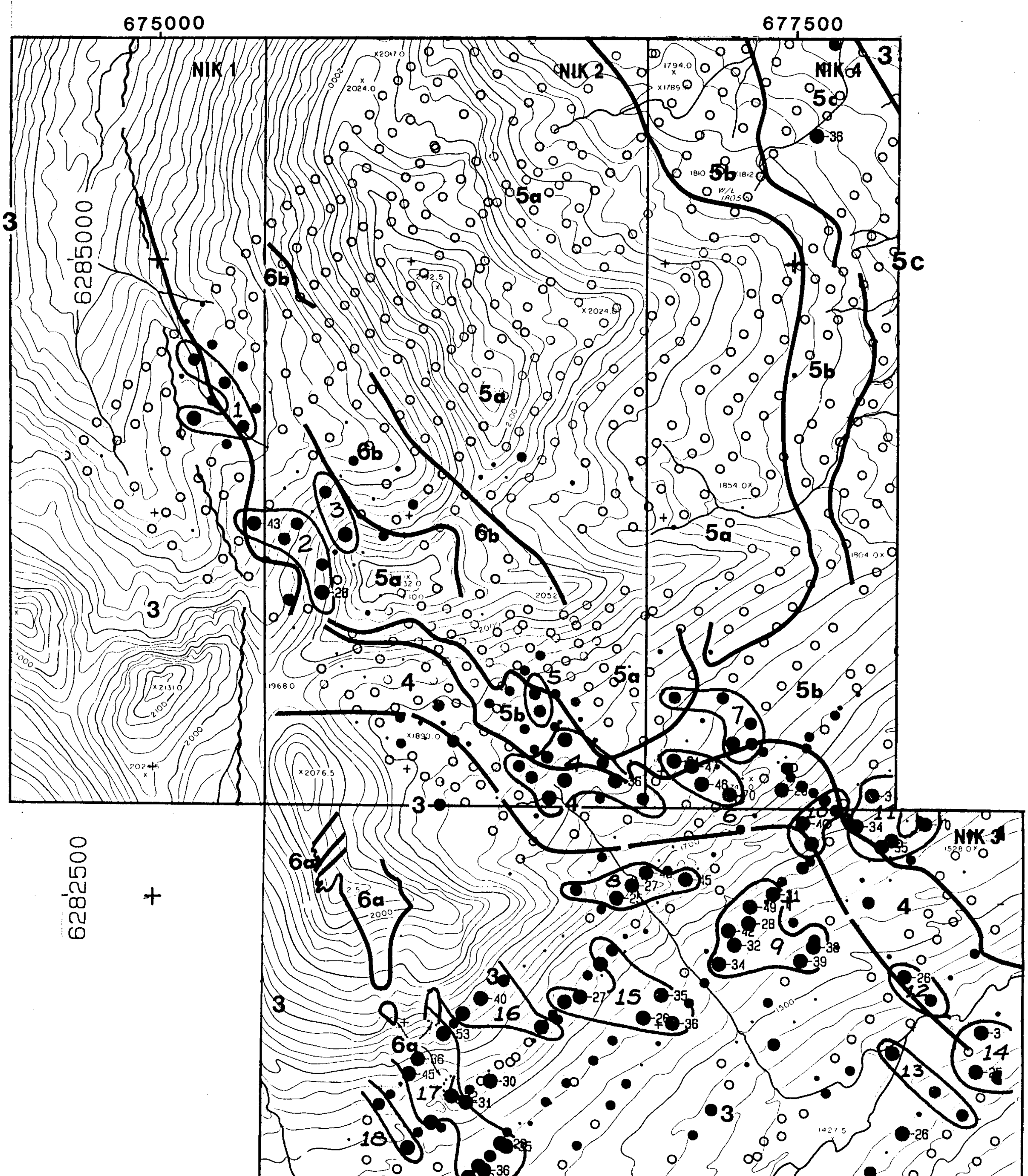
NIK CLAIMS

TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

Cadmium (ppm)

	DATE: OCT/86	PROJECT#: 505	Fig.
	NTS: 94D/9	SCALE 1: 20000	6K
		BPVR 86-11	



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

+ No Analysis

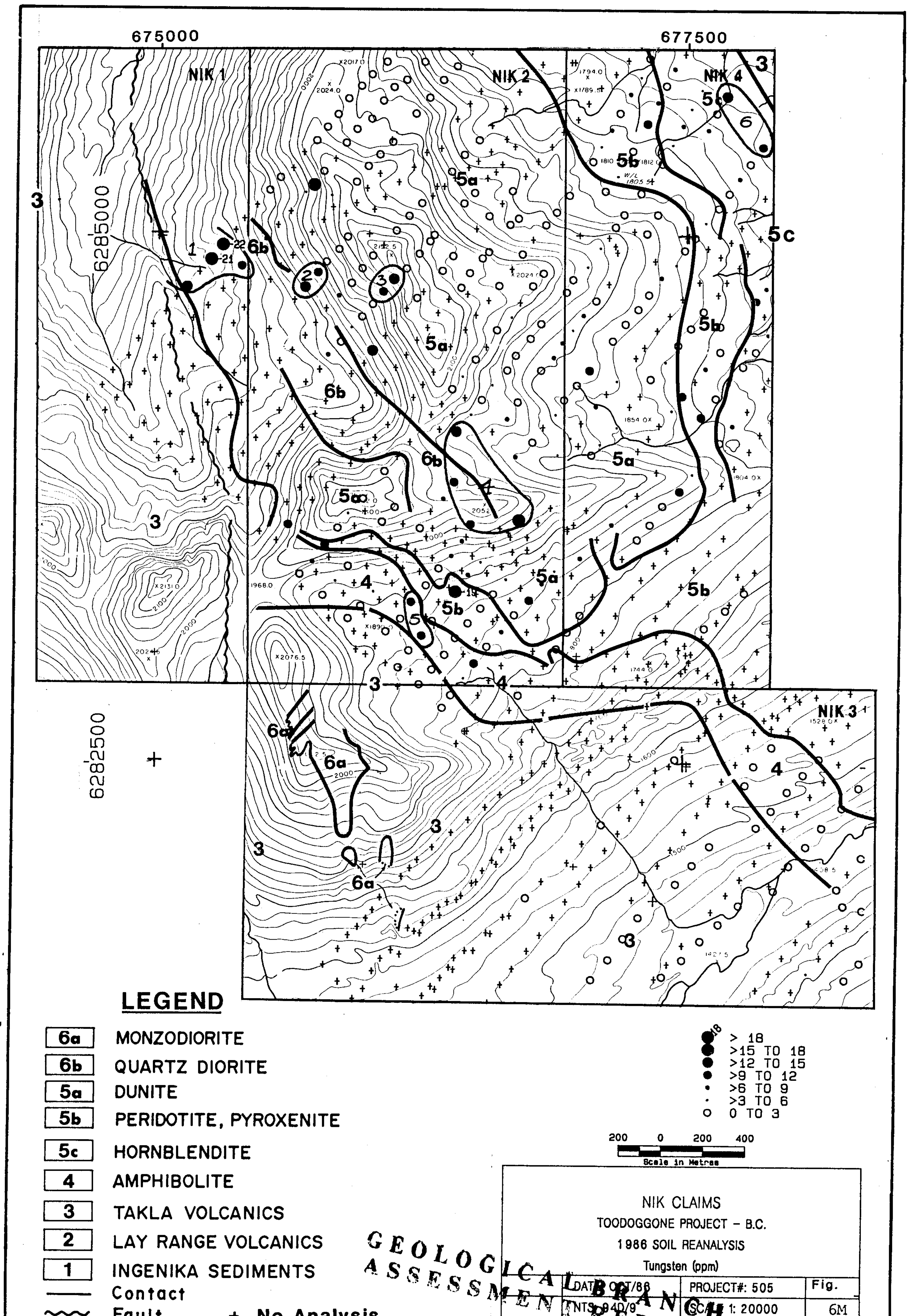
> 25
>18 TO 25
>13 TO 18
>9 TO 13
>7 TO 9
>5 TO 7
0 TO 5

200 0 200 400

Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Molybdenum (ppm)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/	SCALE 1: 20000	6L
	BPVR 86-11	


675000
677500
6285000
6282500
NIK 1
NIK 2
NIK 3
NIK 4
LEGEND
6a MONZODIORITE
6b QUARTZ DIORITE
5a DUNITE
5b PERIDOTITE, PYROXENITE
5c HORNBLENDITE
4 AMPHIBOLITE
3 TAKLA VOLCANICS
2 LAY RANGE VOLCANICS
1 INGENIKA SEDIMENTS
Contact
Fault
+ No Analysis
> 18
>15 TO 18
>12 TO 15
>9 TO 12
>6 TO 9
>3 TO 6
0 TO 3
200 0 200 400
Scale in Metres
NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Tungsten (ppm)
DATE OCT/86
PROJECT#: 505
Fig. 6M
NTS 94D/9
SCALE 1: 20000
BPVR 86-11

ICP reanalysis. To summarize findings, Cu has accumulated along the NIK linear, particularly in the North Cirque. Anomaly 1 is over 1 km long and up to 400 m wide where Cu values exceed 250 ppm. South Cirque is associated with similarly enhanced values. Geochemical Cu patterns in North Cirque are readily explained by the occurrence of known mineralized intrusive boulders in the overburden. Cu anomalies 11 through 13 likewise are directly explained mineralized intrusive boulders in talus deposits along the western portion of NIK 3. Anomaly 4 through 10 in the Main Valley lie along the NK fault tread and the margins of the ultramafic complex. They have not been explained. Maximum Cu contents are in the range of 500 to 1000 ppm.

The dunite is a Cu-poor unit, being associated with values less than 75 ppm with a core of less than 50 ppm concentrations. Slightly enhanced Cu backgrounds of 75 to 225 ppm characterize pyroxenite - peridotite-hornblendite units. In this respect, the Cu patterns are parallelled by the Zn distribution which appears to follow underlying geology. Zn values are generally low, at less than 40 ppm, in the core of the dunite, and are enhanced to the 70 to 100 ppm range at the dunite margins or associated with pyroxenite-peridotite. The largest anomaly, No. 1 in North

Cirque, exhibits little internal contrast, suggesting lithological rather than sulphide control. Absence of anomalous Cd values would confirm this interpretation. Elsewhere, enhanced Zn contents are seen in the southwest of NIK 3; these coincide with Cu anomalies, but are probably also lithologically controlled.

Mo accumulation is found along the southwestern margins of the ultramafic intrusion and within the Main Valley. Anomalies 1 to 3 in North Cirque and 4 and 5 in South Cirque are readily explained by molybdenite occurring in bedrock or in glacial/talus float. Anomalies in the Main Valley have not been adequately explained. Maximum values in the latter environment are in the 25 to 50 ppm range and comprise clusters of 5 or more contiguous samples in zones averaging about 400 m in diameter.

The Pb data are new but not particularly interesting. Maximum values average around 20 ppm. Higher values are associated with all geological environments. W was also detected at levels above 9 ppm, primarily along the southwestern portion of the ultramafic unit. The significance of the W values is uncertain. If real, they are certainly anomalous.

5. The Rock Forming Elements: Co (Fig. 6n), Ni (Fig. 6o), Cr (Fig. 6p).

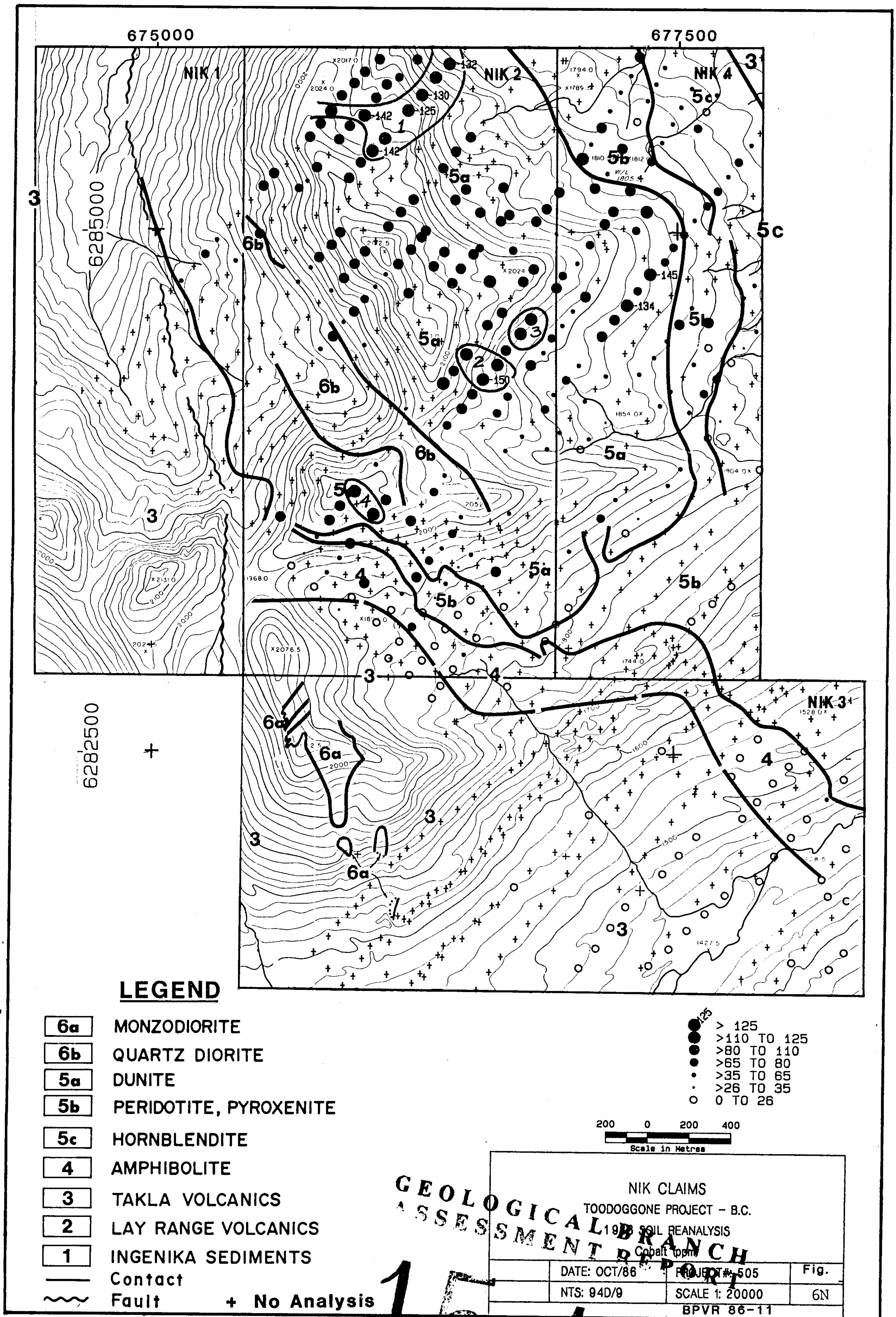
Co and Ni contents are enhanced over the dunite, with a cluster of higher values overlying the northern portion of NIK 2. Maximum values average around 125 ppm and 1700 ppm, respectively. Cr values also cluster into zones exceeding 250 ppm leachable metal, along the margins of the dunite, typically overlying peridotite/pyroxenite. Maximum leachable Cr values average 400 ppm.

6. Manganese (Fig. 6q) and Iron (Fig. 6r)

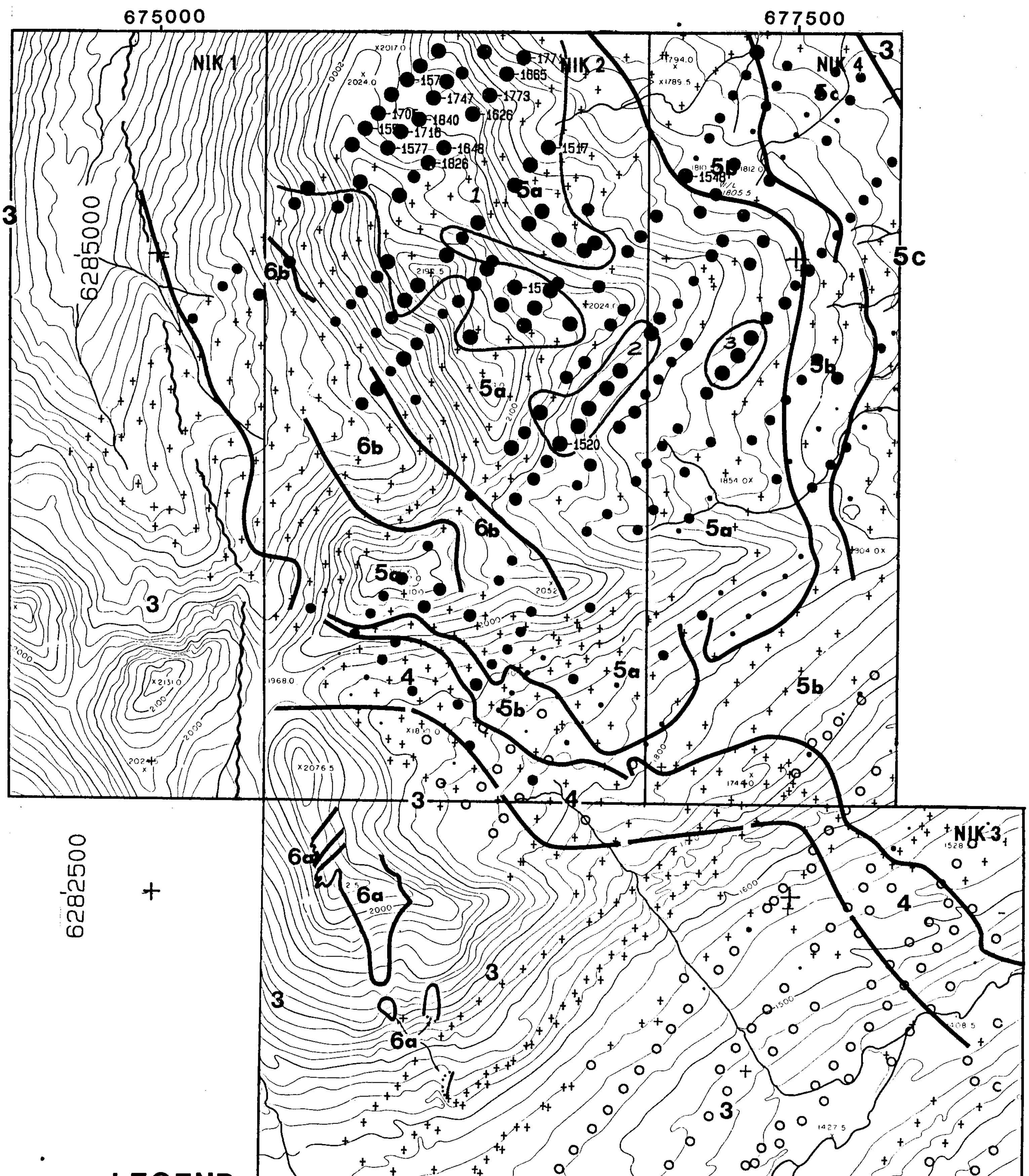
The Mn distribution reflects a geologic influence, low values below 500 ppm characterizing the volcanics, high be defined by values exceeding 1250 ppm, with maximum, values averaging 1500 ppm. The Fe distribution is very similar to that of Mn, being geologically controlled by the composition of ultramafic units.

7. Magnesium (Fig 6s)

The Mg distribution defines the northern half of the ultramafic complex to be Mg-rich, in contrast to peridotite /pyroxenite. Maximum values are about 25% Mg.



NIK CLAIMS TOODOGGONE PROJECT - B.C. 1986 SOIL REANALYSIS Cobalt (ppm)		
DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6N
	BPVR 86-11	



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

\+ No Analysis

1500

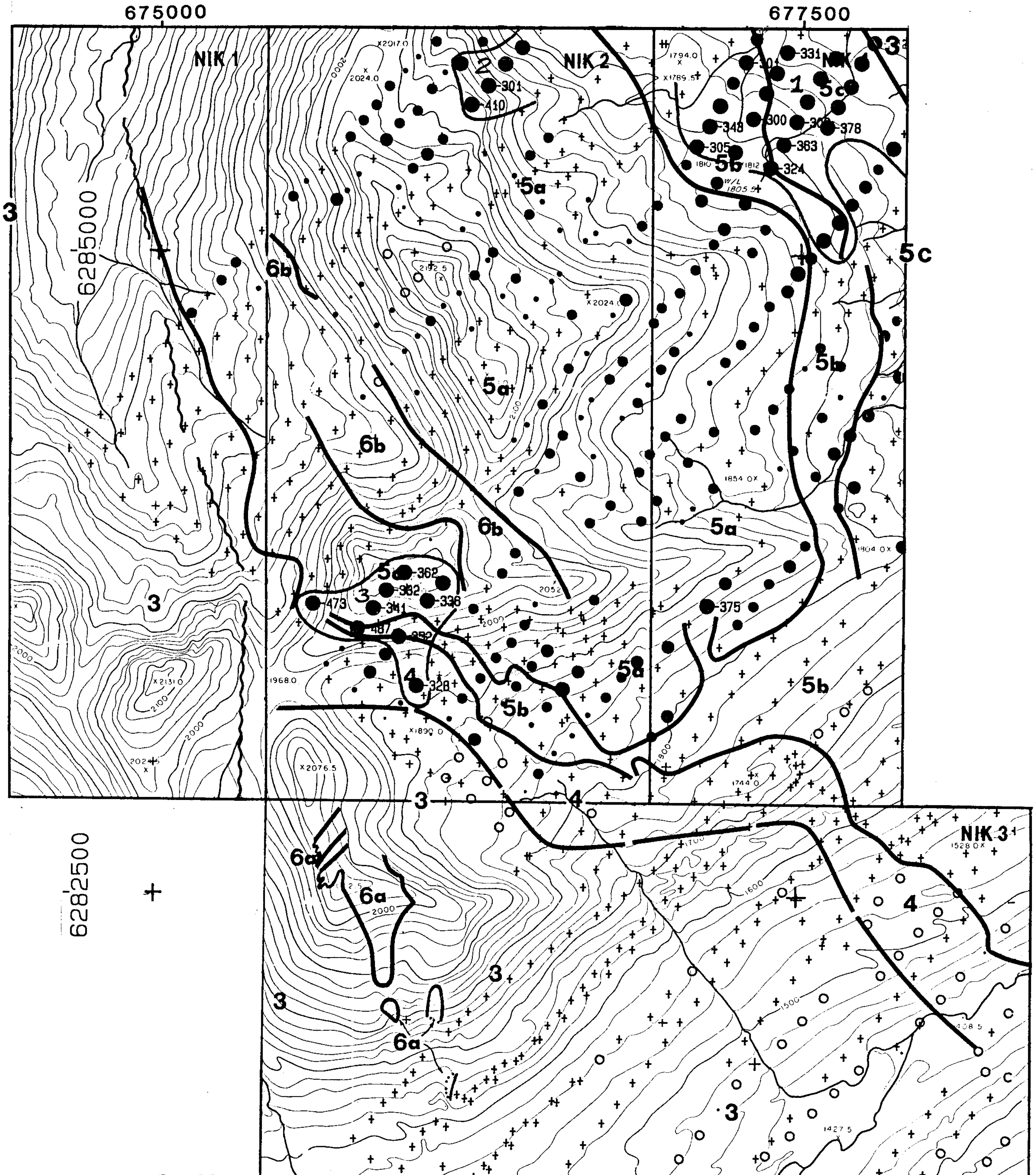
\> 1500
\>1200 TO 1500
\>900 TO 1200
\>350 TO 900
\>100 TO 350
\>60 TO 100
0 TO 60

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Nickel (ppm)

DATE: OCT/86	PROJECT # [illegible]	Fig.
NTS: 94D/9	SCALE: 1:20000	6Ø

BPVR 86-11



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

+ No Analysis

- > 300
- >250 TO 300
- >200 TO 250
- >140 TO 200
- >80 TO 140
- >60 TO 80
- 0 TO 60

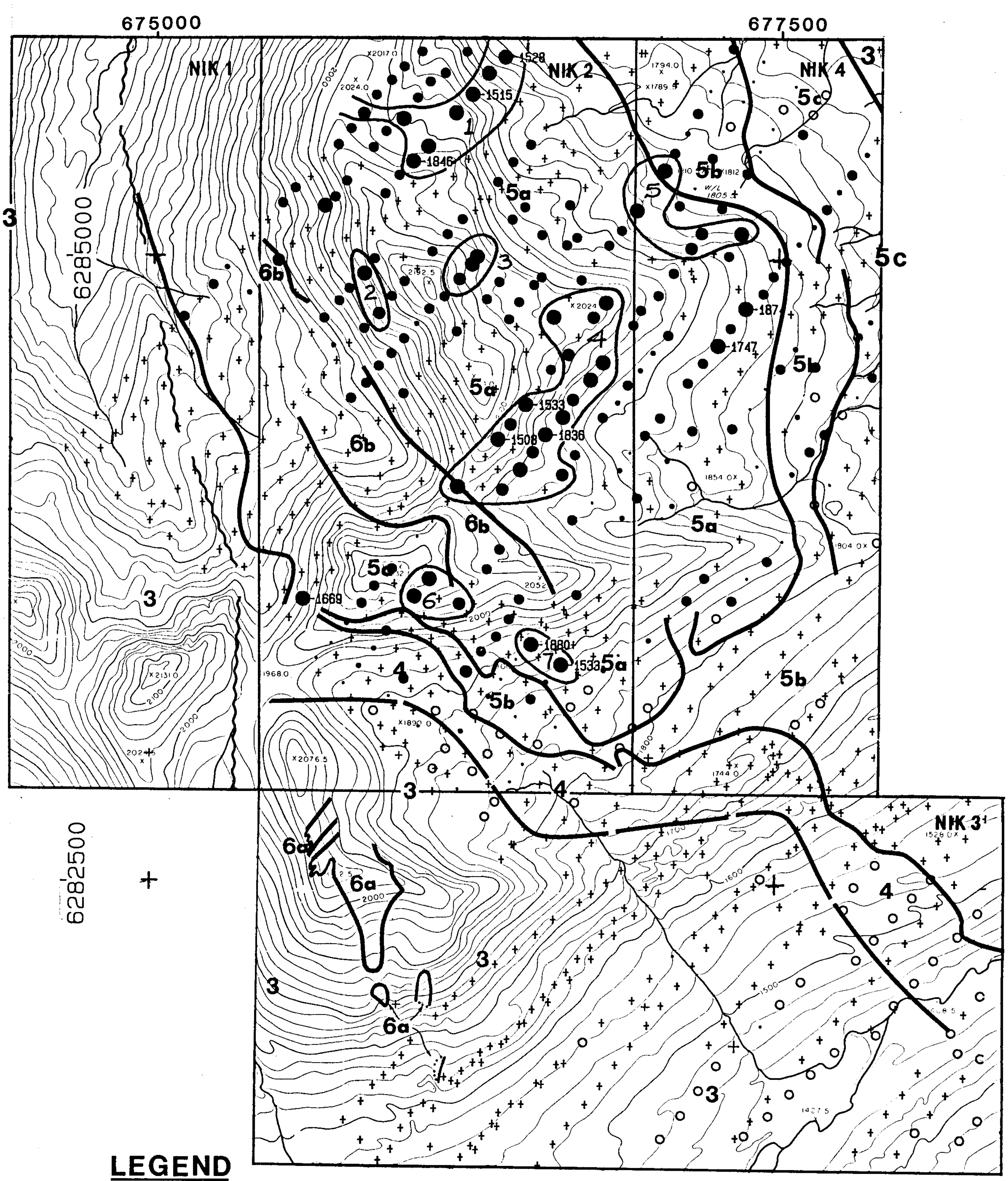
200 0 200 400

Scale in Metres

NIK CLAIMS TOODOGGONE PROJECT - B.C. 1986 SOIL REANALYSIS Chromium (ppm)		
DATE: OCT/86	PROJECT: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6P
	BPVR 86-11	

GEOLOGICAL BRANCH
ASSESSMENT REPORT

15,194



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

\+ No Analysis

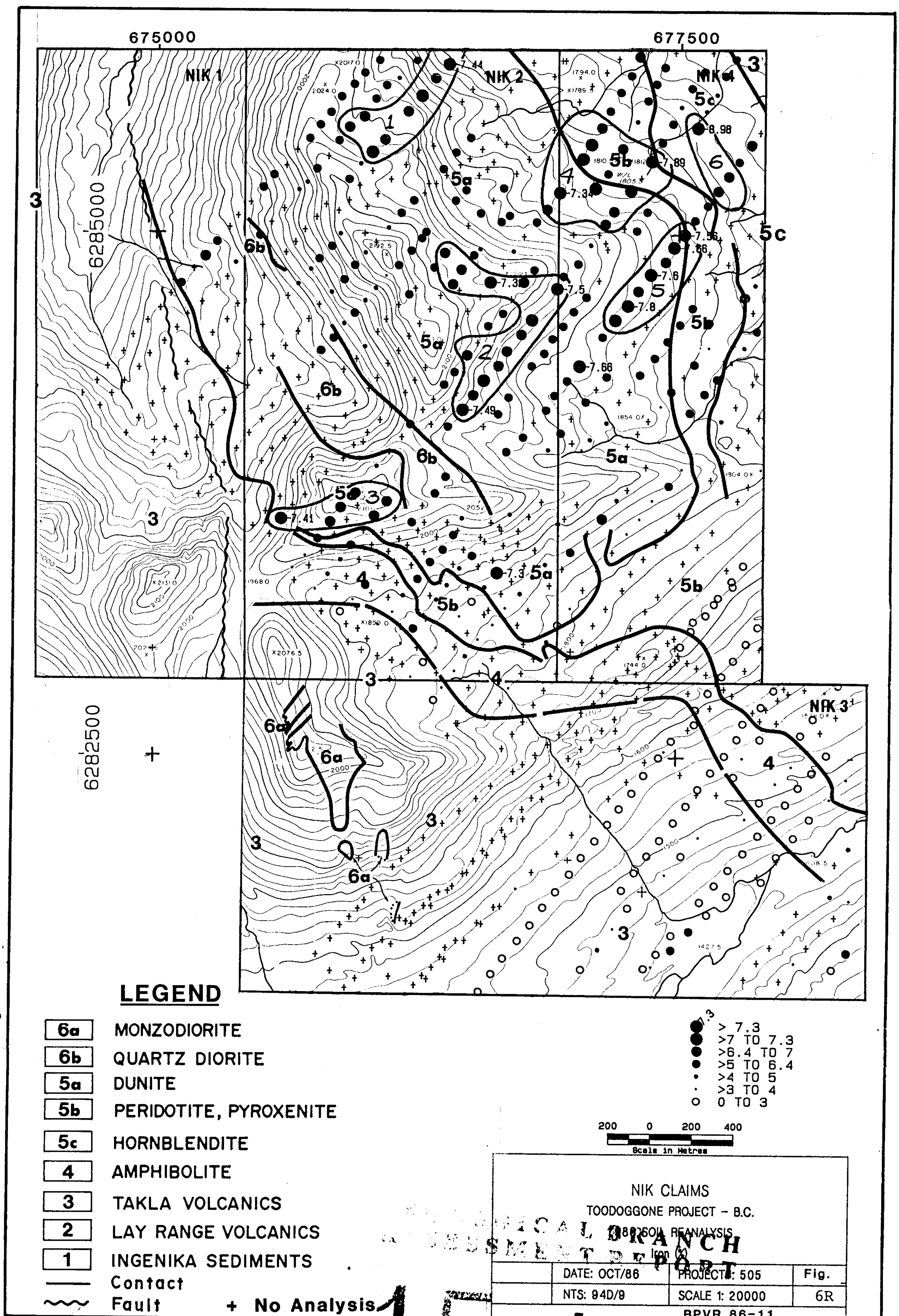
\> 1500
\>1325 TO 1500
\>1250 TO 1325
\>850 TO 1250
\>700 TO 850
\>500 TO 700
0 TO 500

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Manganese (ppm)

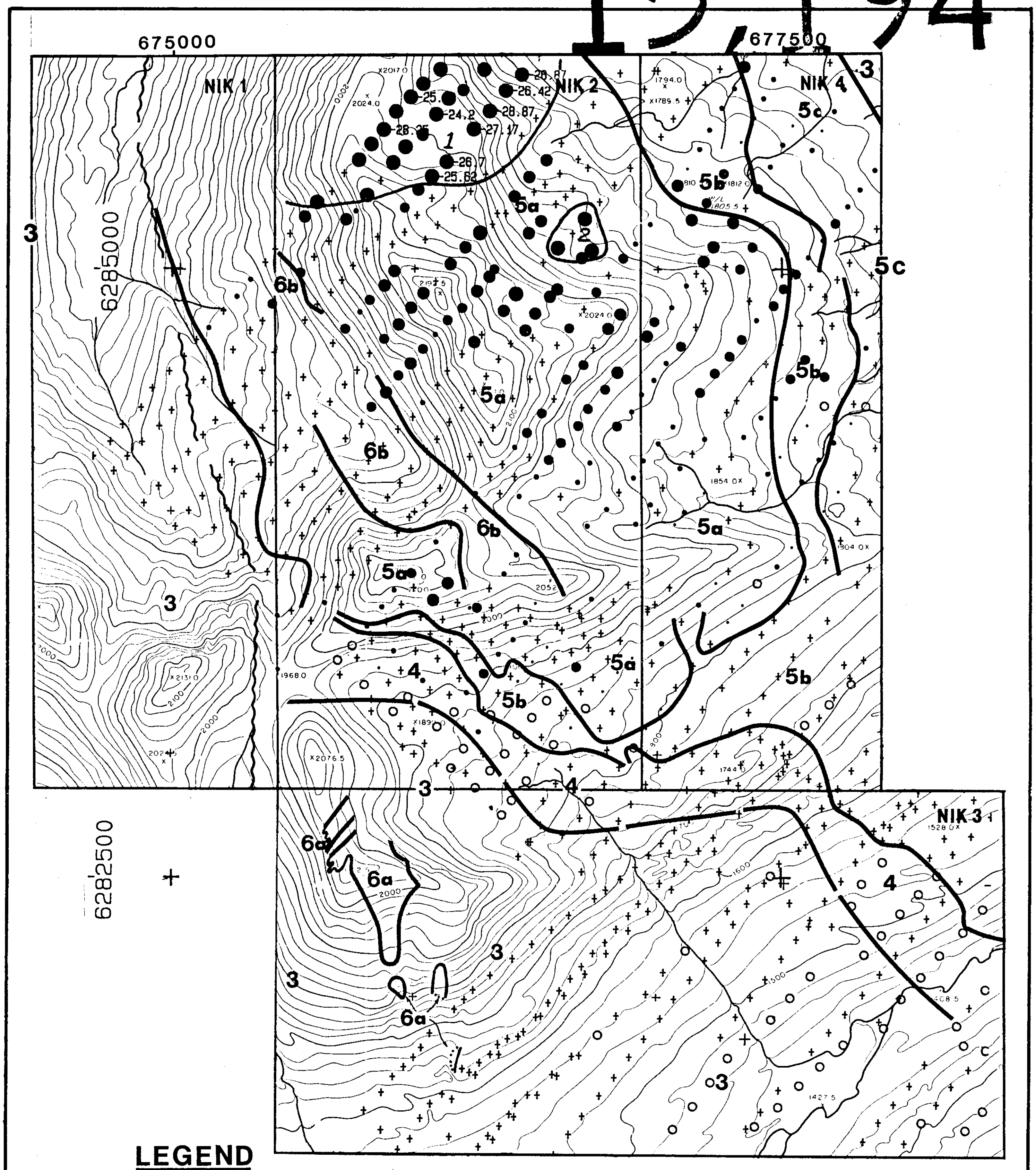
DATE: OCT/89	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6Q

BPVR 86-11



675000
677500
NIK 1
NIK 2
NIK 3
NIK 4
6285000
6282500
LEGEND
6a MONZODIORITE
6b QUARTZ DIORITE
5a DUNITE
5b PERIDOTITE, PYROXENITE
5c HORNBLENDITE
4 AMPHIBOLITE
3 TAKLA VOLCANICS
2 LAY RANGE VOLCANICS
1 INGENIKA SEDIMENTS
Contact
Fault
+ No Analysis
> 7.3
>7 TO 7.3
>6.4 TO 7
>5 TO 6.4
>4 TO 5
>3 TO 4
0 TO 3
200 0 200 400
Scale in Metres
NIK CLAIMS
TOODOGGONE PROJECT - B.C.
Iron (%)
DATE: OCT/86
PROJECT: 505
Fig.
NTS: 94D/9
SCALE 1: 20000
6R
BPVR 86-11

15,194



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

—— Contact

〰 Fault + No Analysis

● > 24
● >22 TO 24
● >16 TO 22
● >11 TO 16
• >5 TO 11
· >2.4 TO 5
○ 0 TO 2.4

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Magnesium (%)

	DATE: OCT/86	PROJECT#: 505	Fig.
	NTS: 94D/9	SCALE 1: 20000	6S
		BPVR 86-11	

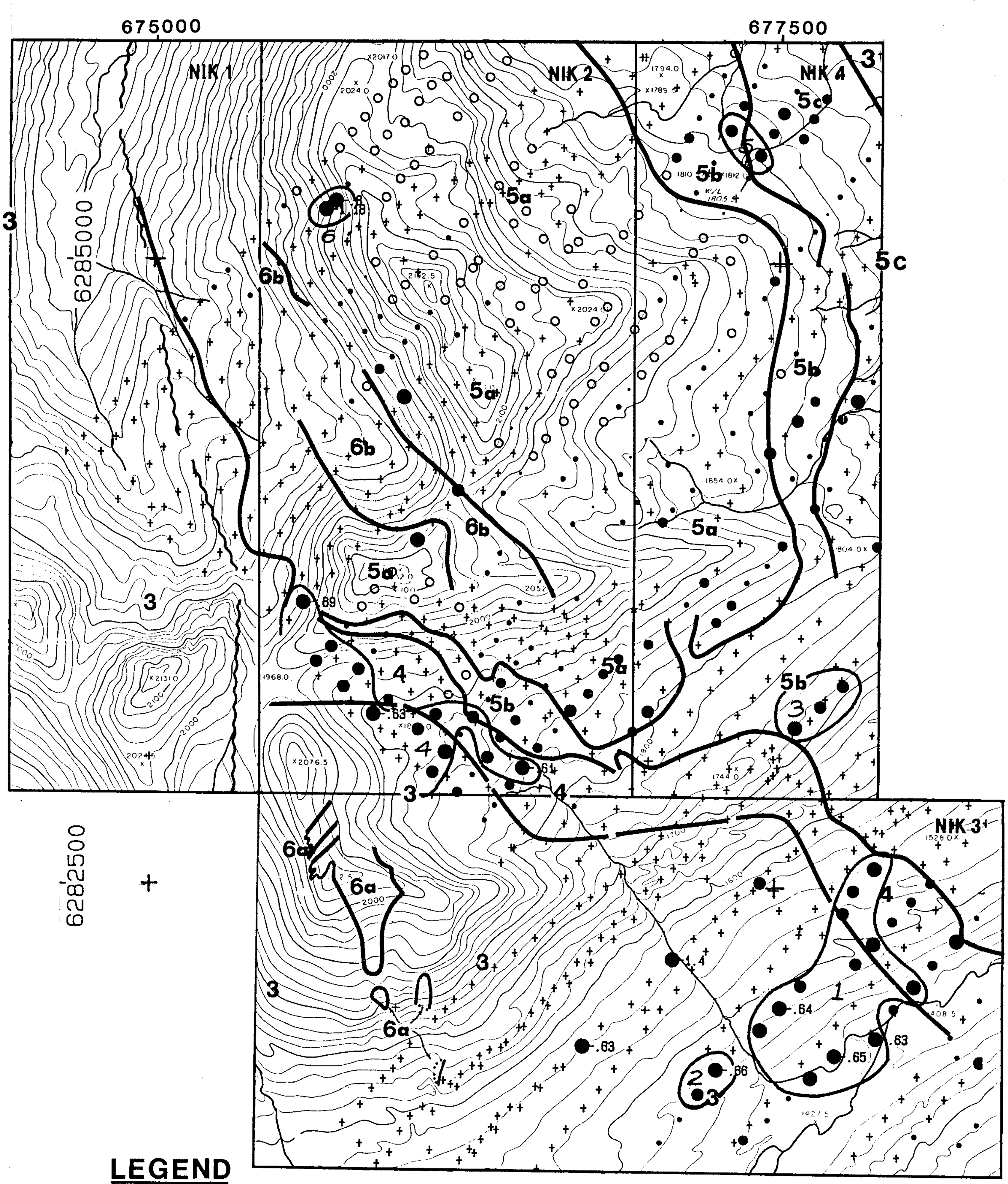
8. The Alkaline Earths Ca (Fig 6t), Sr (Fg 6u), Ba (Fig 6v)

The Ca and Sr distributions are similar, high values overlying volcanics in South Cirque and Main Valley. The northern portion of the dunite is low in these elements, whereas values are slightly elevated to the south and west. Backgrounds are significantly higher overlying pyroxenite - except for a large Ba anomaly (No. 1) associated with a quartz diorite intrusion. High background leachable Ba contents, in the 35 to 75 ppm range, are found overlying southern portions of the dunite and associated with pyroxenite-peridotite. Similar levels of Ba are associated with areas underlain by Takla volcanics.

9. Aluminum (Fig. 6w) and Potassium (Fig. 6x)

Enhanced Al contents describe homogeneous patterns suggestive of lithological control. Volcanics in South Cirque and Main Valley are homogeneously enriched. Lowest values characterize the northern dunite, whereas southern portions are associated with weakly elevated levels, as are areas underlain by pyroxenite-peridotite. Enhanced contents along the eastern margins of the quartz diorite intrusion of North Cirque are a possible alteration indication.

K contents vary too close to the detection limit to be considered meaningful.



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

\+ No Analysis

> .6
>.5 TO .6
>.36 TO .5
>.28 TO .36
>.11 TO .28
>.08 TO .11
0 TO .08

200 0 200 400

Scale in Metres

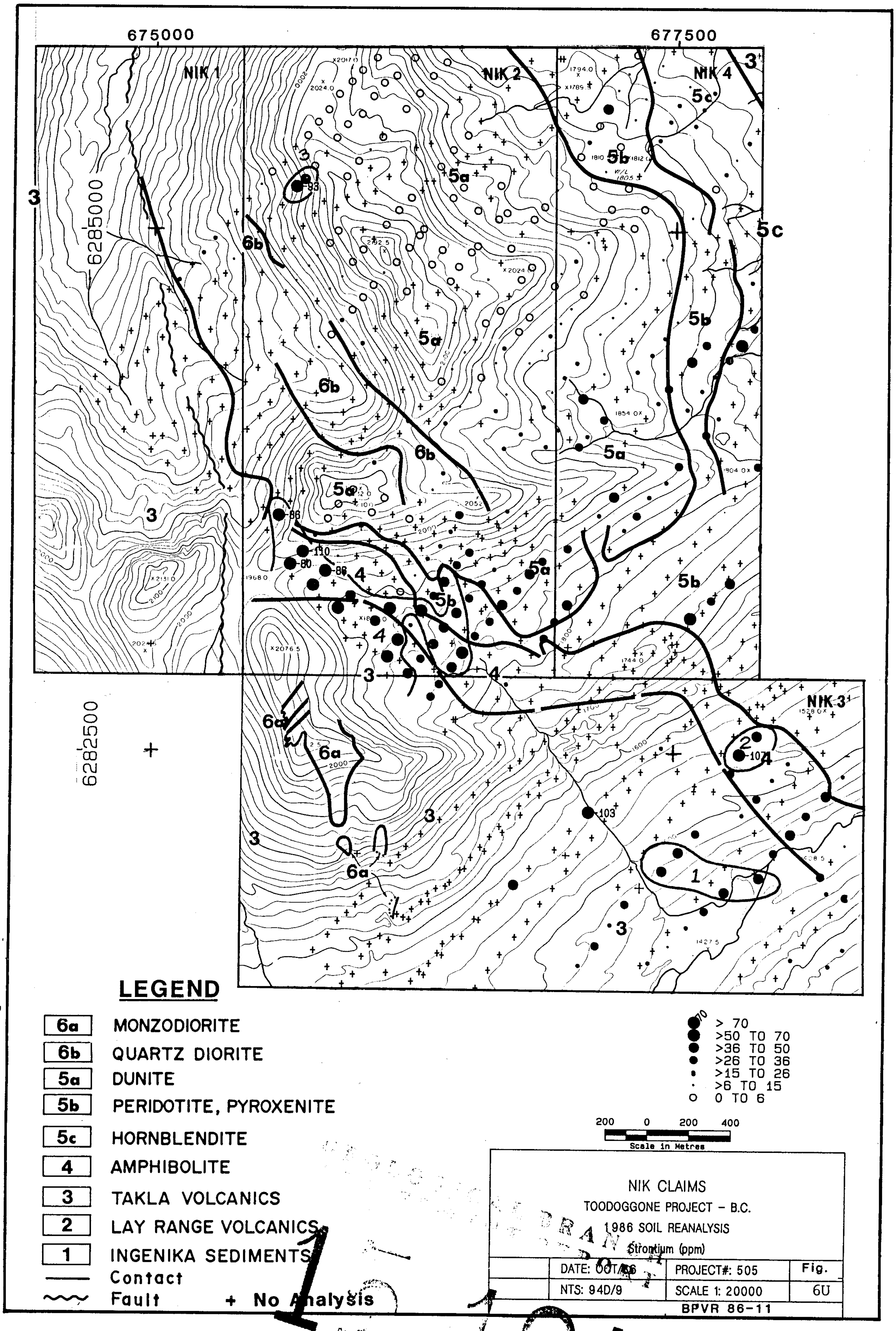
NIK CLAIMS

TOODOGGONE PROJECT - B.C.

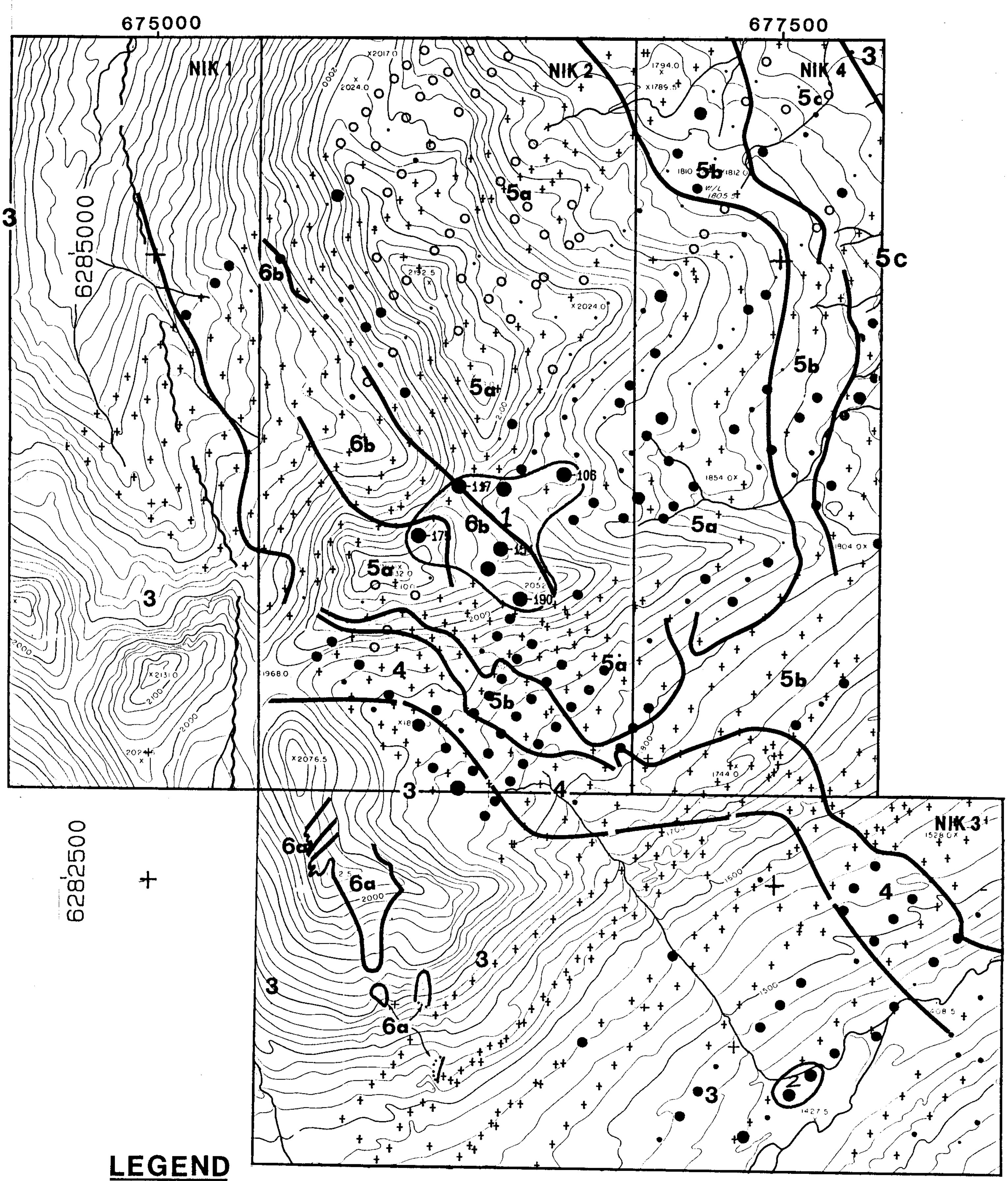
1986 SOIL REANALYSIS

Calcium (%)

DATE: OCT/86	PROJECT#: 505	Fig.	
NTS: 94D/9	SCALE 1: 20000	6T	
	BPVR 86-11		


675000
677500
NIK 1
NIK 2
NIK 3
NIK 4
6285000
6282500
LEGEND
6a MONZODIORITE
6b QUARTZ DIORITE
5a DUNITE
5b PERIDOTITE, PYROXENITE
5c HORNBLENDITE
4 AMPHIBOLITE
3 TAKLA VOLCANICS
2 LAY RANGE VOLCANICS
1 INGENIKA SEDIMENTS
Contact
Fault
+ No Analysis
> 70
>50 TO 70
>36 TO 50
>26 TO 36
>15 TO 26
>6 TO 15
0 TO 6
200 0 200 400
Scale in Metres
NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Strontium (ppm)
DATE: OCT/86
PROJECT#: 505
Fig.
NTS: 94D/9
SCALE 1: 20000
6U
BPVR 86-11

17,194



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

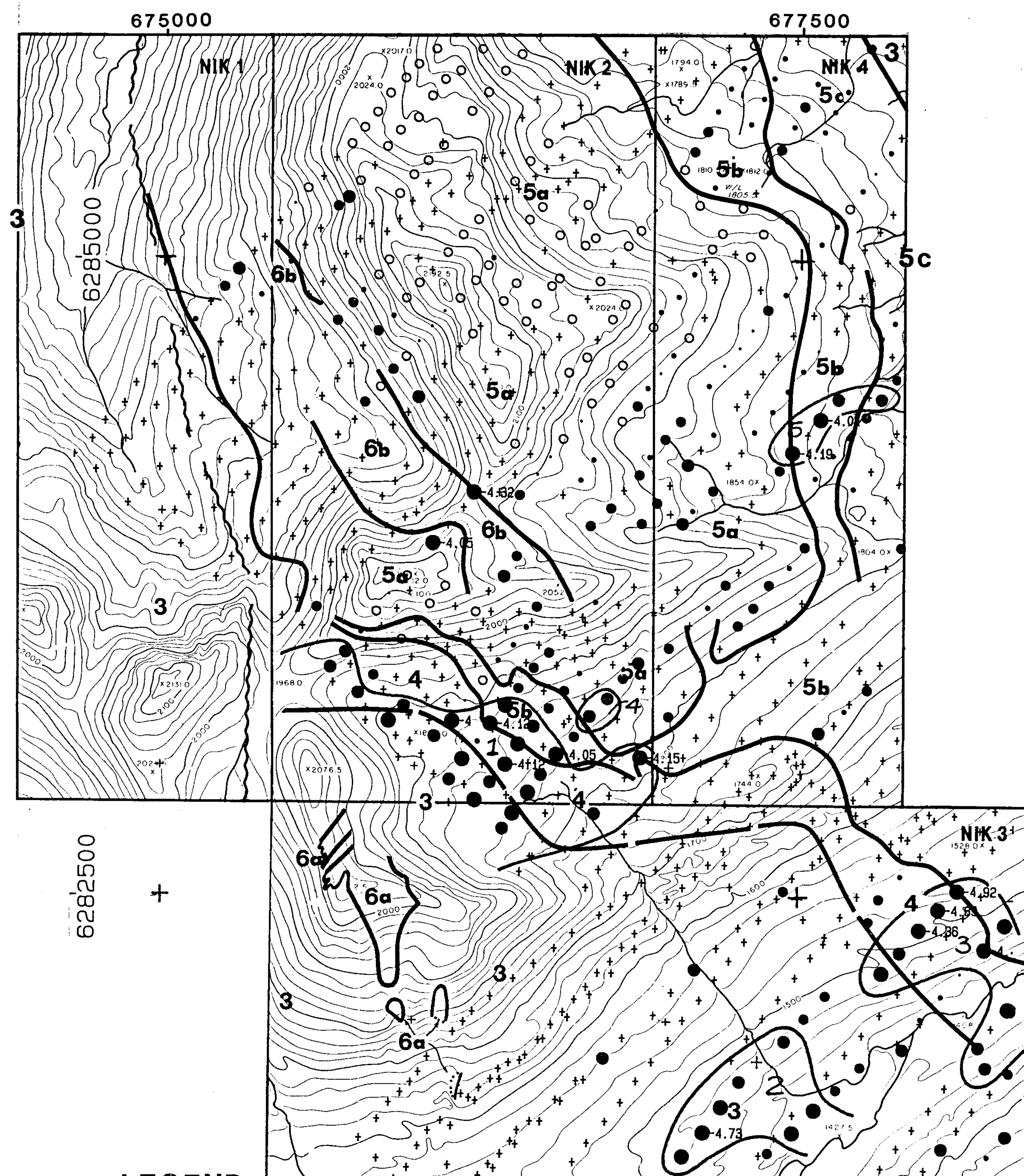
Contact
Fault
+ No Analysis

100
> 100
>75 TO 100
>65 TO 75
>35 TO 65
>27 TO 35
>15 TO 27
0 TO 15

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Barium (ppm)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6V
	BPVR 86-11	



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

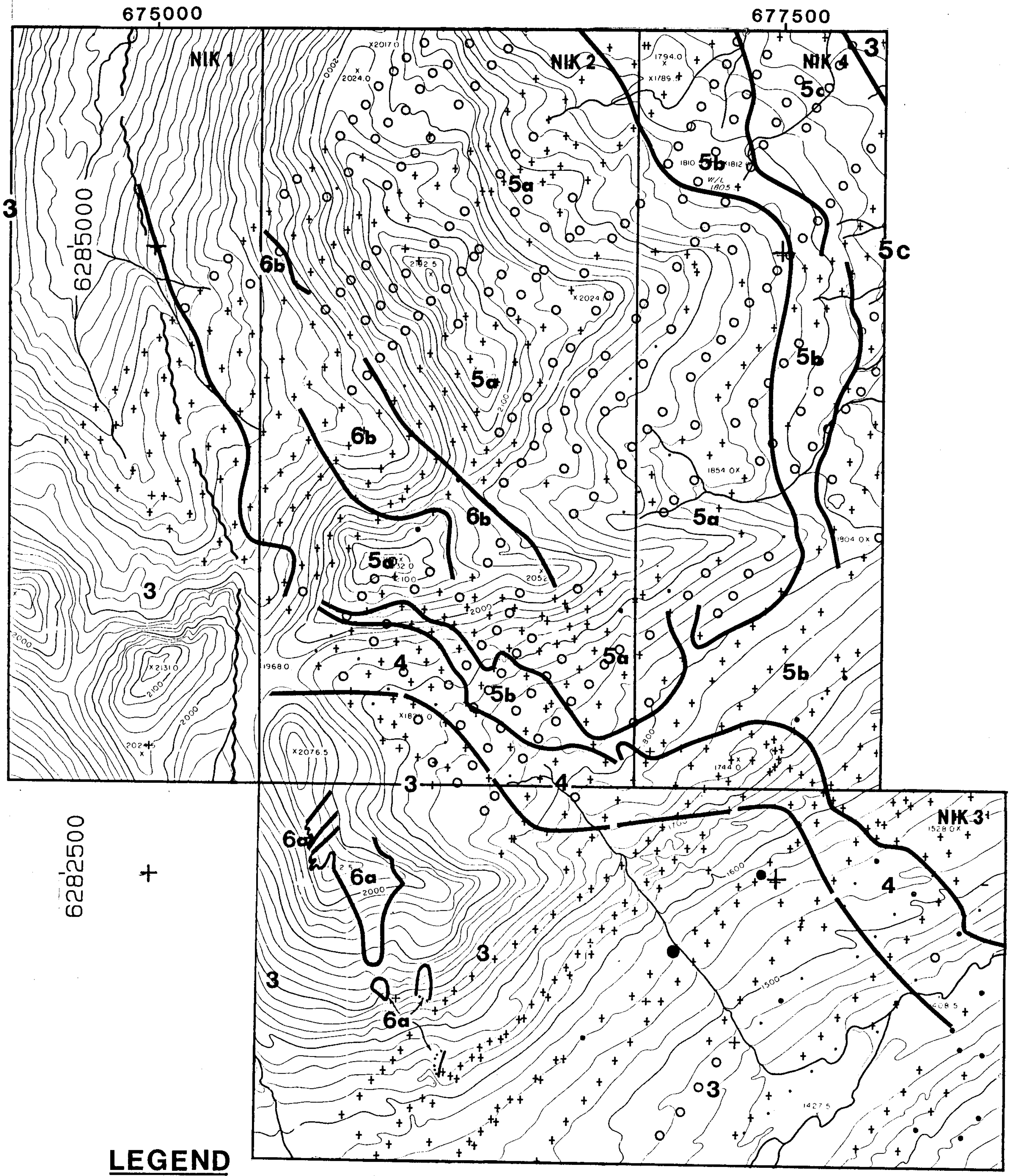
\+ No Analysis

> 4
>3.3 TO 4
>2.4 TO 3.3
>1.7 TO 2.4
>1.1 TO 1.7
>.8 TO 1.1
0 TO .8

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Aluminum (%)

	DATE: OCT/86	PROJECT#: 505	Fig.
	NTS: 94D/9	SCALE 1: 20000	6W
		BPVR 86-11	



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS
——	Contact
〰	Fault
+	No Analysis

● > .12
● >.1 TO .12
● >.08 TO .1
● >.06 TO .08
• >.04 TO .06
· >.02 TO .04
○ 0 TO .02

200 0 200 400
Scale in Metres

NIK CLAIMS
TOODOGGONE PROJECT - B.C.
1986 SOIL REANALYSIS
Potassium (%)

DATE: OCT/86	PROJECT#: 505	Fig.
NTS: 94D/9	SCALE 1: 20000	6X
	BPVR 86-11	

DISCUSSION OF RESULTS

The NIK claims were assessed for the Au, Ag, Pt and Pd potential, with disappointing results. The sample coverage is by no means complete, and scope remains to locate a significant anomaly within the survey area, within the North Cirque, for example. That could be the subject for additional investigations in 1987.

A problem arises concerning the adequacy of the available Pt and Pd data. Detection limits for both elements are quoted at 50 ppb, and it is usual that values of Pt and Pd will have to be at 3X the detection limit, or 150 ppb, to be meaningful. Maximum Pt and Pd values at Stillwater, where soil geochemistry were instrumental in discovery of an ore deposit averaging about 8 gm Pt and 24 gm Pd per ton, is only about 100 ppb and 200 ppb, respectively. Clearly, the detection limit must be lowered here before the Pt/Pd potential of the property can be realistically assessed.

The multielement data confirm the anomalous character of the NIK linear and the Main Valley for Cu and Mo. Available data do not suggest other elements are accompanying the Cu and Mo in anomalous amounts, for example Ag, Pb, Zn, Cd, or Au. The previous assessment of base metal potential of the ground remains unchanged by the new work.

The multi-element analysis has been particularly effective in mapping the ultramafic complex based on the composition of overlying residual soils. The multi-element concentrations are those leachable into aqua regia, and for elements such as Cr, Ni, Mg, Mn, Fe, etc., absolute abundances are likely to be even higher. Nevertheless, the data indicate rock types are probably varying more completely than shown on the geology map (Fig. 3), dunite for example appears subdividable based on these above other element distributions, into a northern and southern portion. This may become important if a Pt group element potential can be identified, associated with the dunite in this example.

The unusually high concentration of metals in soils represents an unusual matrix probably affecting the ICP analysis. High levels of Sb, W, Pb, and As associated with ultramafic units are unusual, and may represent analytical artifacts. If not, they may play a role in determining prospectiveness of an ultramafic body to host a Pt/Pd deposit. Further work is required to evaluate this application of the data.

CONCLUSION

Reanalysis of 320 samples for a suite of 30 agua regia leachable metals, as well as for Au, Pt and Pd has failed to identify a precious metal potential for the claim group. Reanalysis of the same samples for Pt and Pd using a 2 ppb detection limit for each element is necessary before the Pt group element potential can be adequately determined.

APPENDIX 1

Geochemical Preparation

and

Analytical Procedures

VANGEOCHEM LAB LIMITED

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1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

October 8th, 1986

TO: Stan Hoffman
BP-SELCO
700 - 890 W. Pender St.
Vancouver, B.C. V6C 1K5

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine multiple elements in hot acid soluble by Induction Couple Plasma Spectrometer (ICP) analysis.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.

(b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 0.500 gram of -80 mesh sample was used.

(b) Samples were digested in a hot water bath at 95 C for 75 minutes with diluted aqua regia acids. (3 : 1 : 3, HCl : HNO_3 : H_2O)

(c) The digested samples were diluted to a fixed volume and shaken well.

VANGEOCHEM LAB LIMITED

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1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

3. Method of Analysis

The analyses were determined by using a Jarrel Ash ICAP model 9000 direct reading emission spectrometer with an inductively coupled plasma excitation source. Background and inter-element corrections (IEC'S) were applied. All data is compiled into an Apple IIe computer, stored on floppy disk and printed by an Epson 100 dot-matrix printer.

4. The analyses were supervised by Mr. Wade Reeves and Mr. Conway Chun of Vangeochem Lab Ltd. and their staff.

Conway Chun
VANGEOCHEM LAB LTD.

VANGEOCHEM LAB LIMITED

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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

October 8th, 1986

TO: Stan Hoffman
BP-SELCO
700 - 890 W. Pender St.
Vancouver, B.C. V6C 1K5

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine gold by fire-assay method in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.

(b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 20.0 - 30.0 grams of the pulp samples were used. Samples were weighed out by using a top-loading balance into a fusion pot.

(b) A Flux of litharge, soda ash, silica, borax, flour,or potassium nitrite is added, then fused at 1900 degrees F and a lead button is formed.

(c) The gold and silver is extracted by cupellation, silver is then dissolved with diluted nitric acid.

VANGEOCHEM LAB LIMITED

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NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-5211 TELEX: 04-352578

BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

3. Method of Calculation

The gold is calculated by weighing of the bead and then ounce per ton is calculated.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu.

David Chiu
VANGEOCHEM LAB LTD.

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Vancouver, B.C. V6C 1K5

FROM: Vangeochem Lab Ltd.
1521 Pemberton Ave.
North Vancouver, B.C. V7P 2S3

SUBJECT: Analytical procedure used to determine Platinum & Palladium by fire-fire-assay, AAS method in geological samples.

1. Method of Sample Preparation

(a) Geochemical soil, silt or rock samples were received in the laboratory in wet-strength 4" x 6" Kraft paper bags or rock samples sometimes in 8" x 12" plastic bags.

(b) The dried soil and silt samples were sifted by hand using a 8" diameter 80-mesh stainless steel sieve. The plus 80-mesh fraction was rejected and the minus 80-mesh fraction was transferred into a new bag for analysis later.

(c) The dried rock samples were crushed by using a jaw crusher and pulverized to 100-mesh or finer by using a disc mill. The pulverized samples were then put in a new bag for later analysis.

2. Method of Digestion

(a) 20.0 - 30.0 grams of the pulp samples were used. Samples were weighed out by using a top-loading balance into a fusion pot.

(b) A flux of litharge, soda ash, silica, borax, flour, or potassium nitrate is added, then fused at 1900 degrees F and a lead button is formed.

(c) The silver bead containing Platinum and Palladium is extracted by cupellation then parted with diluted nitric acid. Silver is then remove as AgCl.

3. Method of Detection

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(a) A solution of Lanthanum oxide is added as buffer.

(b) The Pt and Pd analyses were detected by using a techtron model AA5 Atomic Absorption Spectrophotometer with Pt and Pd hollow cathode lamps. The results were read out on a strip chart recorder. The values in parts per billion were calculated by comparing them with sets of standards.

4. The analyses were supervised or determined by Mr. Conway Chun or Mr. David Chiu and his laboratory staff.

David Chiu
VANGEOCHEM LAB LTD.

APPENDIX 2

LIST OF ANALYTICAL DATA

GENERAL

1-2 SAMPLE TYPE

10. Stream sediment
11. Stream water
12. Drainage ditch sediment
18. Heavy mineral concentrate
20. Seepage (spring) sediment
21. Seepage (spring) water
30. Lake sediment - lake center
31. Lake water
32. Lake sediment-near shore
40. Bog-upper 100 cm
41. Bog-stagnant water
42. Bog-below 100 cm
43. Bog-organic material at mineral horizon interface
44. Bog-mineral horizon
50. Soil-top of the B horizon (or top of the C horizon if B horizon absent)

1-2 SAMPLE TYPE Cont.

51. Soil-other horizons (organic-rich samples or when 2 samples taken at same hole)
52. Frost boil or seepage boil
54. Groundwater sample
55. Deep overburden sample
58. Heavy mineral concentrate
60. Talus fines
63. Talus blocks-hand sample
64. Talus blocks-chips
68. Heavy mineral concentrate
70. Biogeochemical sample
75. Radon
80. Bedrock hand specimen
81. Bedrock chips ± hand sample
82. Float hand specimen
83. Float chips ± hand sample
84. Drill core specimens

1-2 SAMPLE TYPE Cont.

85. Channel sample/split core
86. Drill chips
87. Drill sludge
88. Heavy mineral concentrate
*89. High grade sample
*90. Special sample-specify
99. Standard sample

*Clearly label if high grade.

Special Note
For keypunchers benefit, 7's should be crossed 7 and O's (letter) should be slashed Ø

3-4 YEAR

5-7 PROJECT NUMBER

8 PROJECT IDENTIFICATION

Blank-reconnaissance
A,B,C, etc. - properties, anomalies, (List 6)

9 DUPLICATE SAMPLES

Label duplicates as 1,2, etc. (collect 1 duplicate pair in 30)

10-12 SAMPLER IDENTIFICATION
(10-11) (List 7)

13-15 (12-15) SAMPLE NUMBER

19-24 EAST COORDINATE

25-31 NORTH COORDINATE

34-38 NTS MAP SHEET NUMBER

Example: record 92F/3 as 92F03

STREAM SEDIMENTS

40 SAMPLE ENVIRONMENT

1. Side of creek
4. Middle of stream
9. Composite across stream
A. Soil

41 WATER MURKINESS

Blank-clear
1. Murky (report findings in note section)

42 PRECIPITATE

Blank-none
1. Record colour (report presence of precipitate in immediate vicinity in stream bed. If heavy precipitate, sample separately as sample type 90)

43 OVERBURDEN TRANSPORT

L. Local
E. Extensive
U. Unknown
M. Mixed local & extensive

45 OVERBURDEN ORIGIN

1. Till-angular boulders
2. Outwash-sandy, rounded boulders
3. Lake sediment-sand/silt
4. Alluvium-stream deposit
5. Peat-bog
6. Colluvium*

45 OVERBURDEN ORIGIN Cont.

7. Lake sediment-clay
8. Talus
9. Residual
C. Boulder field*
D. Gravel*
E. Soil*

*use only if former origin cannot be identified

46 BEDROCK

M. Mineralized
P. Present within 100m upslope
D. Present within 100m down-slope
B. Underlies sample site
G. Gossan
F. Fe surface stains
R. Radioactivity

47-48 pH

49 SAMPLE TEXTURE

Ø. Organic-decomposed
1. Clay
2. Silt and fine sand
3. Sand
4. Gravel
6. Cemented
7. Precipitate
8. Twigs or undecomposed organic matter

50-52 AVERAGE WIDTH OF STREAM-M
Decimal point in col 51 (or col 52 if stream > 10m wide)

53-55 AVERAGE DEPTH OF STREAM-CM

56 STREAM VELOCITY

1. Dry
2. Stagnant
3. Slow
4. Moderate
5. Fast
6. Turbulent

57 INDICATE AS TRIBUTARY

R. Stream enters on the right looking down main stream
L. Stream enters on left looking down main stream

58-60 LOCAL BEDROCK COMPOSITION

Estimate-use Lists 1-4

61-66 COLOUR

Munsell notation or abbreviation

67 CONTAMINATION

Blank - none
C - culvert
F - farming
G - garbage
H - house
I - industry
L - logging
M - mine
R - road
T - trench
Ø - other - spec.

68 ORGANIC FRACTION *(Complete where sediment composition is unusual)

2. Large amount of undecomposed leaves, twigs, etc.
4. Large amount of well-decomposed vegetation
5. Moss
7. Sediment grains coated in organic matter
8. Lake sediment ooze.

69 MINERAL FRACTION *(Complete where composition is unusual)

3. Notable content of mafic minerals, resistates
4. Very high content of mafics, resistates

71 SCINTILLOMETER NUMBER

72-75 GAMMA COUNT AT SAMPLE DEPTH

(make note if landscape is affecting gamma count)

76 ROCK

*Star if bedrock is influencing scint count

77-78 APPROXIMATE SLOPE ANGLE

79-80 APPROXIMATE SLOPE DIRECTION

SOILS

40 SITE TOPOGRAPHY

1. Hill top
2. Gentle slope
3. Steep slope > 20°
4. Base of slope
5. Valley floor
6. Depression
7. Level
8. Rolling
9. Bog

41 SAMPLE ENVIRONMENT

1. Tundra-hummocky
2. Tundra-dry
3. Tundra-swampy
4. Grassland, meadows
5. Peat mounds
6. Bog in depression
7. Forest-coniferous
8. Forest-deciduous
9. Forest-mixed
A. Alder or willows
B. Cultivated land
C. Desert, semi-arid
D. Barren
E. Talus fan
F. Bank soil-stream
G. Bank soil-lake
H. Road cut

42 SITE DRAINAGE

1. Dry
2. Moist
3. Wet
4. Saturated

43 OVERBURDEN TRANSPORT

L. Local
E. Extensive
U. Unknown
M. Mixed

44 WATER MOVEMENT

S. Seepage

45 OVERBURDEN ORIGIN

1. Till-angular boulders
2. Outwash-sandy, rounded boulders
3. Lake sediment-sand/silt
4. Alluvium-stream deposit
5. Peat-bog
6. Colluvium
7. Lake sediment-clay
8. Talus
9. Residual
A. Frost boils*
B. Seepage boils*
C. Boulder field*
D. Gravel*

* Use only if former origin cannot be identified.

46 BEDROCK

M. Mineralized
P. Present within 100m up-slope
D. Present within 100m down-slope
B. Underlies sample site
G. Gossan
F. Fe surface stains
R. Radioactivity

47-48 pH

49 SAMPLE TEXTURE

Ø. Organic muck
1. Fibrous, peaty organic matter
2. Very sandy
3. Sandy
4. Sand-silt
5. Sand-silt-clay
6. Silt
7. Silt-clay
8. Clay
9. Gravel

50-51 THICKNESS OF SOIL SAMPLE INTERVAL-CM

52-54 BOTTOM OF SOIL SAMPLE INTERVAL-CM

55-56 SOIL HORIZON

LH. Leaf, humus layer, undecomposed vegetation lying on the ground surface (do not sample)
AH. Dark grey to black, organic-rich mineral horizon usually no deeper than 15cm from the surface (do not sample)
AE. Grey to white (occassionally brown) leached mineral horizon near ground surface, usually sandy; accompanied by BF or BT horizon at depth (do not sample)
BH. Black, organic-rich mineral horizon at depths greater than 15cm (do not sample)
BF. Red-brown, iron-rich horizon
BT. Brown, clay-rich horizon
BG. Horizon which is water-saturated most of the year, identified by red brown mottles
BM. Brown horizon which is only slightly different in appearance from underlying parent material
C1,C2,C3, etc. Parent material for soil
CA. White calcium carbonate precipitate in C horizon
Ø1,Ø2,Ø3, etc. Bog sample at various depths
TF. Talus fines

57 SOIL TYPE

C. Chernozem-prairie soil usually under grassland or meadow, thick AH > 10cm, CA horizon at depth
S. Solonetz-saline soil, high content of NaCl

57 SOIL TYPE Cont.

L. Luvisol-BT horizon diagnostic
P. Podzol-BF horizon diagnostic
B. Brunisol-BM horizon is only B horizon of profile
R. Regosol-little or no soil development. No B soil horizon, only LH (maybe) and C horizon
G. Gleysol-BG horizon diagnostic
Ø. Organic soil-bog vegetation-no mineral matter

58-60 LOCAL BEDROCK COMPOSITION
Estimate-use Lists 1-4

61-66 COLOUR
Munsell notation or abbrevation

67 CONTAMINATION

Blank - none
C - culvert
F - farming
G - garbage
H - house
I - industry
L - logging
M - mine
R - road
T - trench
Ø - other - spec.

68-69 % COARSE FRAGMENTS

70 SHAPE OF COARSE FRAGMENTS
A. Angular
R. Rounded
S. Subrounded
M. Mixed above types

71 SCINTILLOMETER NUMBER

72-75 GAMMA COUNT AT SAMPLE SITE
Scint reading at ground level over hole

76 ROCK
*Star if bedrock is influencing scint counts

77-78 APPROXIMATE SLOPE ANGLE

79-80 APPROXIMATE SLOPE DIRECTION

LIST 1

1-- INTRUSIVE ROCKS

-1- QUARTZ RICH
--1 Granite
--2 Quartz Monzonite
--3 Granodiorite
--4 Quartz diorite

-2- INTERMEDIATE
--1 Syenite
--2 Monzonite
--3 Diorite
--4 Gabbro

-3- FELDSPATHOID RICH
--1 Nepheline Syenite
--2 Nepheline Monzonite

-40 ULTRABASIC

-50 CARBONATITES

-6- SPECIAL TYPES
--1 Pegmatite
--2 Aplite
--3 Lamprophyre
--4 Trap
--5 Felsite
--6 Intrusion Breccia
--7 Diabase

LIST 2

2-- VOLCANIC ROCKS

-0- UNDIFFERENTIATED

-1- BASALT

-2- ANDESITE

-3- DACITE

-4- RHYOLITE

-5- QUARTZ LATITE

-6- LATITE

-7- TRACHYTE

-8- PHONOLITE

-9- NEPHELINE LATITE
--1 Fine grained flows
--2 Prophyritic flows
--3 Crystal tuffs
--4 Ash tuffs
--5 Lapilli tuffs
--6 Agglomerate
--7 Lapilli breccia
--8 Block breccia
--9 Turbidite

LIST 3

3-- SEDIMENTARY ROCKS

-1- ARENACEOUS
--1 Siltstone
--2 Mudstone
--3 Greywake
--4 Sandstone
--5 Quartzite
--6 Conglomerate

-2- ARGILLACEOUS
--1 Shale
--2 Argillite

-3- CALCAREOUS
--1 Limestone
--2 Dolomite

-4- CHEMICAL PRECIPITATE
--1 Chert
--2 Marble
--3 Iron Formation

LIST 4

4-- METAMORPHIC ROCKS

-10 FINE GRAINED CONTACT

-2- PHANERITIC
--1 Meta quartzite
--2 Marble
--3 Soapstone
--4 Hornfels
--5 Serpentine
--6 Skarn
--7 Amphibolite
--8 Eclogite

-3- MECHANICAL
--1 Mylonite
--2 Flaser
--3 Augen
--4 Ultramylonite

-40 SLATE

-50 PHYLLITE

-60 SCHIST

-7- GNEISS *

-8- MIGMATITE *
--1 *Granite
--2 Monzonite
--3 Granodiorite
--4 Conglomerate
--5 Sandstone
--6 Augen
--7 Granulite
--8 Quartz diorite
--9 Diorite
--0 Amphibolite

SELECTION # 1

SAMPLE TYPE(S) ALL
BEDROCK TYPE(S) ALL
SOIL HORIZON(S) ALL
SAMPLE TEXTURE(S) ALL
OVERBURDEN ORIGIN(S) ALL
LABORATORY-SIZE FRACTION-EXTRACTION(S) ALL
PAIR STATUS ALL

REC#	SMPL#	UTM-E UTM-N					MO	CU	PB	ZN	NI	U	MN	FE	AG
71	1076505P	180550V8A6768306283910	94D09	1 154 443	1	10 S	4	134	12	51	501	5	903	4.77	.1
72	1076505P	180555V8A6768706284160	94D09	1 104 443	1	8 S	4	64	10	47	797	5	754	5.3	.1
73	1076505P	180561V8A6775406284610	94D09	1 104 443	1	4 S	2	87	8	50	897	5	947	6.44	.1
74	1076505P	180566V8A6771606284110	94D09	.5 63 442	1	4 S	10	102	12	57	544	5	657	5.26	.1
75	1076505P	180567V8A6771906284150	94D09	1 103 444	1	4SW		3	70		68				
77	1076505P	180580V8A6767906282910	94D09	1 154 412	1	13SW		15	378		63				
78	1076505P	180586V8A6770006283240	94D09	.5 73 412	1	7 S	11	81	16	91	158	5	538	4.3	.1
79	1076505P	180589V8A6770806283350	94D09	.2 53 412	1		7	303	9	53	329	5	983	4.8	.1
90	1076505P	180691V8A6758706283190	94D09	.3 5364442	1	6 S		8	210		55				
91	1076505P	180741V8A6770806284440	94D09	1 4373443	1	8 S	1	64	8	75	1266	5	894	7.56	.1
92	1076505P	180744V8A6775106284270	94D09	.5 8372442	1	8 S		4	105		83				
93	1076505P	180750V8A6776006285170	94D09	3 30473443	1	8SE		1	86		63				
94	1076505P	180752V8A6776706284260	94D09	.5 8372443	1	7NE		4	100		112				
95	1076505P	180764V8A6770406285360	94D09	2 10475443	1	6NE		1	15		51				
96	1076505P	180770V8A6773006285790	94D09	12 15474443	1	6NE		.5	44		40				
98	1076505P	180790V8A6772606285460	94D09	.5 10370443	1	2NE	2	50	7	56	1065	5	768	6.93	.1
100	1076505P	180820V8A6776206285540	94D09	1 15475344	1			10	89		75				
101	1076505P	180836V8A6778306285370	94D09	.5 7370443	1	7NE		2	134		61				
112	1076505P	181001V8A6767406285260	94D07	2 15487442	1	4NE		1	15		39				
116	1076505P	181154V8A6751906284830	94D09	.5 84 443	1			4	172		70				
229	5076505P	140013V8A6776156282120	94D09	251 21 310 20BBM	MBR 10	5 S	6	22	12	40	22	5	287	3.25	.5
230	5076505P	140014V8A6775336282030	94D09	252 21 315 30GBG	GNGY	3SE	6	88	5	28	24	5	285	2.19	.1
231	5076505P	140015V8A6774556281940	94D09	251 21 315 30BBM	DBR	3SE	16	169	9	38	49	5	585	3.11	.1
232	5076505P	140016V8A6773506281860	94D09	251 21 54515 25LBT	MBR 50	3SE		8	135		44				
233	5076505P	140017V8A6772806281780	94D09	251 21 56520 30LBT	MBR 50	2SE	4	144	7	26	22	5	247	2.36	.1
234	5076505P	140018V8A6772106281680	94D09	251 21 47510 20LBT2243	MBR 40	2SE	17	81	12	52	37	5	465	3.38	.1
235	5076505P	140019V8A6771406281580	94D09	251 21246215 30BBM2243	REBR 30	2SE	10	47	10	40	18	5	310	4.43	.1
236	5076505P	140020V8A6770606281485	94D09	251 21 45210 20BBM	REBR 20	2SE	1	37	8	27	17	5	252	2.86	.1
237	5076505P	140021V8A6769806281370	94D09	251 21 43210 25BBM	DBR 50	2 E	11	33	16	40	17	5	247	2.4	.5
242	5076505P	140026V8A6773106281410	94D09	2511112502 8 15PBF224	DREBR 20	2SE	2	32	10	26	13	5	204	2.85	.1
243	5076505P	140027V8A6773956281500	94D09	251 22 492 8 15BBM	DBR 20	3 S	2	45	8	36	17	5	306	3.42	.1
244	5076505P	140028V8A6774906281580	94D09	2511112442 8 15PBF	DREBR 10	1 S	2	29	15	28	12	5	244	5.31	.3
245	5076505P	140029V8A6775756281670	94D09	2511112462 8 15PBF	DREBR 10	1 S	4	43	16	42	14	5	230	5.4	.3
246	5076505P	140030V8A6776606281750	94D09	243 21 53225 35GCI	DGY 20	1 S	12	56	10	28	15	5	304	2.17	.1
247	5076505P	140031V8A6777556281840	94D09	253 24 52420 30GBG	GY	1 E	11	166	6	31	38	5	322	2.45	.1
248	5076505P	140032V8A6779206281910	94D09	243324 48425 35OCI	DGN	1SE	23	81	7	34	52	5	344	2.3	.1
286	5076505P	180019V8A6779906282030	94D09	522 26 42310 30BBF	RBR 40		4	23	11	23	14	5	204	2.88	.3
287	5076505P	180020V8A6780706282120	94D09	222 26 44310 30BBT	LBR 30	8SE	18	39	8	22	18	5	169	2.17	.3
288	5076505P	180021V8A6781456282210	94D09	222 16 38310 20PAE	LBR 30	15SE	9	20	12	12	7	5	80	.96	.5

Part 1 - page 2

289	5076505P	180022V8A6782406282305	94D09 222 16 49510 30BBM	LBR 20 15SE	10	553	14	49	87	5	368	3.29 .1
290	5076505P	180023V8A6783206282400	94D09 121116 45320 30BBF	RBR 30 2 E	5	151	19	39	27	5	228	3.69 .1
291	5076505P	180024V8A6784006282485	94D09 221116 52315 30PBF	RBR 40 15SE	3	34	12	41	16	5	229	3.87 .3
292	5076505P	180025V8A6784756282580	94D09 221 16 44315 30BBM	MBR 50 15SE		2	18		32			
293	5076505P	180026V8A6785606282660	94D09 622216 51320 30GBG	DBR 20		3	244		43			
294	5076505P	180027V8A6786406282745	94D09 221 16 4231525 PBF	RBR 40 15SE		2	38		39			
295	5076505P	180028V8A6787206282830	94D09 622316 345 5 150BG	LGR 5		1	14		11			
296	5076505P	180029V8A6778356282210	94D09 221 16 48320 30BBF	RBR 20 15SE	1	34	10	28	19	5	288	3.31 .1
297	5076505P	180030V8A6779056282290	94D09 622 16 53320 30DBM	LBR 30	8	69	8	26	21	5	255	2.43 .1
298	5076505P	180031V8A6779806282380	94D09 121116 48320 30PBF	RBR 5	1	25	13	23	16	5	201	3.75 .1
299	5076505P	180032V8A6780556282460	94D09 121122 49320 30PBF	RBR 10 5SE	1	27	14	25	17	5	205	3.55 .1
300	5076505P	180033V8A6781306282535	94D09 121122 53320 30PBF	RBR 10	1	45	12	22	19	5	226	3.17 .1
320	5076505P	180054V8A6779056282590	94D09 221314 60520 30PBF	RBR 50 5 S	6	177	6	23	47	5	297	1.94 .1
321	5076505P	180055V8A6778206282500	94D09 221 16 42310 20BBH	RBR 50 5 S	14	182	7	17	23	5	166	3.02 .1
322	5076505P	180056V8A6777806282410	94D09 222 16 49320 30PBH	LGY 40 5 S	7	64	12	23	16	5	210	2.37 .1
344	5076505P	180078V8A6779306283490	94D09 321 16 60320 30BBM	MBR 20 32 S	1	81	6	44	65	5	554	1.95 .1
345	5076505P	180079V8A6777406283400	94D09 222316 60520 30BBT	DBR 5 10 S		3	83		49			
346	5076505P	180080V8A6777706283320	94D09 221316 57510 20BBT	MBR 10 15 S	8	110	8	41	58	5	585	2.51 .1
347	5076505P	180081V8A6776806283235	94D09 321314 56510 20BBT	MBR 5 25 S	10	141	7	26	25	5	373	1.8 .1
348	5076505P	180082V8A6775806283150	94D09 321 16246310 20BBF	RBR 40 30 S	10	225	7	19	32	5	226	2.65 .1
377	5076505P	180111V8A6767456281870	94D09 923 14 52510 20DBH	DBR 5 5 S	12	154	11	57	33	5	426	3.41 .1
381	5076505P	180115V8A6771006282220	94D09 321 11 310 20PAE	LBR 40 25 S	1	94	9	45	18	6	569	3.3 .1
385	5076505P	180119V8A6774456282530	94D09 221 11 47310 20PBF	RBR 20 15 S	31	62	13	35	18	5	221	3.85 .5
389	5076505P	180527V8A6766406284140	94D09 221 16 310 25RBM	MBR 20115 W	9	73	11	50	542	5	1271	6.16 .1
390	5076505P	180528V8A6766906284220	94D09 221 16 325 35RBM	MBR130115 E	1	85	9	42	915	5	1120	5.41 .1
391	5076505P	180529V8A6768006284370	94D09 221 163 320 30RBM	MBR 25118 S	1	55	5	45	1061	5	1008	6.08 .1
392	5076505P	180530V8A6768606284430	94D09 221 163 320 25BBM	MB 15119SW	2	70	14	66	904	5	802	6.33 .1
393	5076505P	180531V8A6769006284500	94D09 221 193 335 40RBM	RBR 15115 S	3	62	17	51	582	5	1163	6.25 .1
394	5076505P	180532V8A6769506284560	94D09 221 193 340 45BBF	RBR 10110SW	1	43	11	57	884	5	735	6.12 .1
395	5076505P	180533V8A6770006284630	94D09 221 113 320 30RBM	MBR 15115SW	3	61	13	47	739	5	848	6.04 .1
402	5076505P	180544V8A6771606284320	94D09 222 16 340 45R	RBR 151 8 S	3	86	12	49	787	5	856	5.66 .1
403	5076505P	180545V8A6771106284260	94D09 221 16 325 30BBM	RBR 101 9SW		2	55		106			
404	5076505P	180546V8A6770606284200	94D09 222311 340 50BBF	RBR 101 4 S	4	70	16	57	385	5	819	5.12 .1
405	5076505P	180547V8A6769906284120	94D09 2213193 310 20R	MBR 40110 N		3	165		69			
406	5076505P	180548V8A6769406284050	94D09 221 11 320 25BBF	RBR 25113 E	4	56	15	76	392	5	1099	5.48 .1
407	5076505P	180549V8A6768806283970	94D09 821 19 320 30BBF	RBR 201	3	58	15	42	359	5	795	4.73 .1
408	5076505P	180551V8A6766806283960	94D09 221 19 320 25BBF	RBR 81	4	66	14	55	387	5	872	5.67 .1
409	5076505P	180552V8A6767606284030	94D09 322 16 320 25R	RBR 40120 S	3	89	13	62	618	5	669	5.9 .1
410	5076505P	180553V8A6768106284100	94D09 221 193 310 20R	GBR 40115 E		4	168		60			
411	5076505P	180554V8A6768706284160	94D09 221414 440 45BBT	RBR 8 S	9	88	13	65	805	5	746	6.32 .1
412	5076505P	180556V8A6769106284230	94D09 221311 320 30BBM	RBR 12111 S	2	48	10	72	646	5	677	6.16 .1
413	5076505P	180557V8A6769706284300	94D09 221 11 320 30BBF	MBR 201 6 S	5	88	11	47	631	5	1200	5.76 .1
414	5076505P	180558V8A6773906284410	94D09 222314 610 15BBT	RBR 8 S	2	76	10	74	768	5	640	5.7 .1
415	5076505P	180559V8A6774506284490	94D09 223 19 310 20R	MBR 201 6 S	4	114	10	62	565	5	697	5.1 .1
416	5076505P	180560V8A6775106284570	94D09 223 11 310 20RBG	MBR 201 8 S	8	92	9	35	745	5	1080	5.57 .1
417	5076505P	180562V8A6775706284650	94D09 222 14 310 20BBM	RBR 201 5 S	1	68	5	46	965	5	811	5.9 .1
418	5076505P	180563V8A6770406283970	94D09 221 11 320 25BBM	MBR 20112SE	9	75	14	63	260	5	558	3.95 .1
419	5076505P	180564V8A6770806284020	94D09 222 16 610 20RBM	MBR 10115SE	2	85	13	44	596	5	747	4.82 .1
420	5076505P	180565V8A6771606284100	94D09 221 16 520 25BBT	MBR 201 4 S	5	69	15	49	299	5	488	4.62 .1
421	5076505P	180568V8A6772206284200	94D09 221 16 320 30BBF	RBR 501 5SW		3	84		88			
422	5076505P	180569V8A6772706284250	94D09 221 113 340 45BBF	RBR 301 3SE		3	85		75			

423	5076505P	180570V8A6773206284330	94D09 2225163 320 25BBG	RBR 201 7SE	3	69	12	69	579	5	870	5.72	.1
424	5076505P	180571V8A6776506284580	94D09 221 113 340 45BBG	MBR 20110 S	1	34	6	29	960	5	996	5.84	.1
425	5076505P	180572V8A6774206284180	94D09 2215163 320 30BBG	MBR 22119SE	2	95	11	36	470	5	646	3.8	.1
429	5076505P	180577V8A6775606284150	94D09 821519 330 40BBF	MBR 201 6 E	3	151	11	41	478	5	736	5.25	.1
430	5076505P	180578V8A6765906282690	94D09 221 16 320 25BBM	MBR 8110SW		6	55		45				
431	5076505P	180579V8A6766606282760	94D09 221 16 315 20BBM	MBR 20113SW		4	66		45				
432	5076505P	180581V8A6767006282830	94D09 221 11 320 30BBF	RBR 5110SW	4	57	17	36	40	5	272	3.52	.4
433	5076505P	180582V8A6767606282900	94D09 221 11 620 30BBM	MBR 101 4SW		10	500		45				
434	5076505P	180583V8A6768206282970	94D09 721 12 320 25R	MBR 651 3 S		36	148		46				
435	5076505P	180584V8A6768806283050	94D09 221 16 315 25BBM	MBR 501 3 S	7	505	22	36	43	5	341	4.3	.1
436	5076505P	180585V8A6769306283130	94D09 421 16 320 25BBM	MBR 301 2 S	4	77	11	43	115	5	386	3	.1
437	5076505P	180587V8A6769906283210	94D09 221 12 510 20BBM	RBR 301 7 S	5	81	10	60	140	5	484	3.7	.1
438	5076505P	180588V8A6770506283300	94D09 221316 530 40BBM	RBR 51 8SW		15	123		84				
439	5076505P	180590V8A6771206283390	94D09 222116 330 35BBF	RBR 101 7SW		5	166		50				
440	5076505P	180591V8A6771906283480	94D09 211316 520 25BBM	MBR 51 9SW		8	72		68				
441	5076505P	180592V8A6772606283570	94D09 221 16 330 35BBM	RBR 10117SW	4	170	11	43	142	5	426	3.47	.1
442	5076505P	180593V8A6773206283640	94D09 221 16 330 35BBM	MBR 10118SW	4	141	12	57	134	5	973	3.75	.1
443	5076505P	180595V8A6774606283800	94D09 3211163 320 30BBM	RBR 20121SW	2	83	13	55	291	5	952	5.52	.1
444	5076505P	180596V8A6775206283880	94D09 121 193 320 30BBM	MBR 51 1SW	4	158	12	32	229	5	650	3.75	.1
445	5076505P	180597V8A6776506284030	94D09 222511 320 35PBG	RBR 201 5 E	4	129	15	48	144	5	361	3.12	.1
446	5076505P	180598V8A6777106284110	94D09 221 11 310 20BBF	RBR 201 6 E	5	42	14	73	171	5	572	4.72	.1
485	5076505P	180644V8A6779006283880	94D09 222 19 225 35BBM	RBR 301 6 E	4	89	11	43	99	5	399	3.64	.1
491	5076505P	180654V8A6772106283730	94D09 321 162 210 25BBM	RBR 1122 S	7	160	13	54	176	5	1065	4.44	.1
492	5076505P	180656V8A6770706283570	94D09 321 16 230 35BBM	RBR 8121 S		5	214		45				
493	5076505P	180657V8A6769906283480	94D09 221114 520 30BBF	RBR 2114 S	9	172	12	70	425	5	798	5.51	.1
510	5076505P	180681V8A6763906283840	94D09 221 19 68220 30R	MBR 10112NE	4	84	15	77	436	5	1246	6.09	.1
511	5076505P	180682V8A6763406283760	94D09 221 19 71220 30R	MBR 101 6NE	3	167	12	79	603	5	1130	5.94	.1
512	5076505P	180688V8A6760106283320	94D09 421 16 69220 30BBM	MBR 301 4SW	6	378	10	48	713	5	962	6.08	.1
513	5076505P	180689V8A6759506283250	94D09 421 16 55220 25R	MBR 401 5SW	3	114	14	49	97	5	602	3.24	.1
514	5076505P	180690V8A6758906283190	94D09 321 16 58220 25BBM	RBR 301 5 S	2	117	15	38	78	5	453	2.91	.3
515	5076505P	180692V8A6758006283190	94D09 221 14 59510 30BBT	MBR 301 6 S		6	225		50				
516	5076505P	180693V8A6756606283400	94D09 321 16 57320 30BBM	7130SW	5	168	13	48	65	5	600	3.52	.1
517	5076505P	180694V8A6757206283460	94D09 321 16 59325 35R	DBR 5126SW	7	224	14	46	95	5	619	3.69	.1
518	5076505P	180705V8A6757706283300	94D09 521 16 56220 30BBM	MBR 201 6 S	2	123	14	37	85	5	553	3.11	.1
519	5076505P	180709V8A6762206284090	94D09 221 16366320 30BBM	MBR 101 7 N	1	112	14	91	443	5	1379	5.37	.1
520	5076505P	180721V8A6770806284950	94D09 221319 73220 30R	20110NE	2	79	11	37	717	5	925	4.91	.1
521	5076505P	180722V8A6770206284860	94D09 221319 68220 30BBM	MBR 201 8NE	2	52	14	61	642	5	968	5.9	.1
522	5076505P	180723V8A6769506284800	94D09 221316 71220 25R	301 8NE	2	88	14	42	1128	5	943	6.16	.1
523	5076505P	180735V8A6771506284960	94D09 221 19 68220 30R	20110 S		1	55		93				
524	5076505P	180736V8A6773706284810	94D09 221 19 66220 25R	MBR 40 8 S	2	82	13	71	1184	5	1874	7.6	.1
525	5076505P	180737V8A6773106284730	94D09 221319 69220 25R	MBR 221 8 S	1	55	12	59	1328	5	887	6.79	.1
526	5076505P	180738V8A6772606284660	94D09 221 19 69220 25R	MBR 301 6 S	1	48	11	55	1251	5	1747	7.8	.1
527	5076505P	180739V8A6772006284590	94D09 221319 70220 25R	MBR 201 6 S	1	56	11	60	1304	5	1084	7.05	.1
528	5076505P	180740V8A6771406284510	94D09 222 19 69220 25BBM	MBR 201 5 S	1	71	9	54	1053	5	1094	6	.1
529	5076505P	180742V8A6770306284370	94D09 21 19 68220 25BBM	RBR 301 8 S	3	84	12	88	808	5	1107	7.66	.1
530	5076505P	180743V8A6774706284250	94D09 221116 61210 20R	RBR 201 8NE	2	103	14	61	247	5	679	5.3	.1
531	5076505P	180745V8A6775306284320	94D09 221 16 60520 25BBM	RBR 51 8 S		4	104		82				
532	5076505P	180746V8A6775806284390	94D09 221 19 61220 25R	MBR 301 5 S	2	91	15	58	225	5	820	5.33	.1
533	5076505P	180747V8A6776506284460	94D09 221 19 52210 20R	DBR 201 7 S	1	63	13	39	82	5	289	3.58	.1
534	5076505P	180748V8A6777706284470	94D09 221119 67210 20BBM	RBR 201 8 S		1	51		57				
535	5076505P	180749V8A6780606284520	94D09 221 19 63320 30BBM	RBR 201 7 S		2	65		68				

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536 5076505P 180751V8A6776306284240  94D09 221119   220 25BBM        GY 201 8NE    3    203  10   45   705  5    1114 5.75 .1
537 5076505P 180753V8A6776906284310  94D09 221 19 67220 25R         MBR 201 7NE    3    100  9    58   418  5    993  6    .1
538 5076505P 180754V8A6777606284390  94D09 221119 57320 25BBM       RBR 101 5NE    3    50   10   75   140  5    438  4.08 .1
539 5076505P 180755V8A6778206284460  94D09 221 19 61320 25BBM            51 8NE    1    93   8    60   259  5    651  4.58 .1
540 5076505P 180756V8A6778806284540  94D09 221119 62210 20BBM       RBR 301 2NE    3    57   11   82   265  5    981  6.12 .1
541 5076505P 180757V8A6778606284630  94D09 221116 63220 25BBF       RBR 201 6NE      2   20        77
542 5076505P 180758V8A6772206283030  94D09 221 16 59220 30BBM       DBR 201 8 S      8  185        38
543 5076505P 180759V8A6771606282960  94D09 221 16 61310 15BBM       MBR 101 6 S     46  100        55
544 5076505P 180760V8A6771006282880  94D09 221319 55220 25BBF       RBR 101 6 S      5  114        40
545 5076505P 180761V8A6780406282810  94D09 221 16 57210 20R         MBR 201 6 S     70  120       119
546 5076505P 180763V8A6770406285360  94D09 621 16 71220 30R         MBR 501 6NE    1    36   4    48   1548 5    1439 7.16 .1
547 5076505P 180765V8A6770806285430  94D09 221116 59310 15BBF       RBR  51 8 S    2    37   15   68   339  5    1202 7.08 .1
548 5076505P 180766V8A6771306285510  94D09 221 16 68220 30BBM       MBR 301 8NE    1    78   10   45   576  5    733  6.69 .1
549 5076505P 180767V8A6771706285570  94D09 222 19 76220 25R         MBR 301 3NE    1    36   26   54   452  5    865  5.08 .1
550 5076505P 180768V8A6772206285680  94D09 222 19 69220 25R         MBR 201 9NE    1    55   12   44   584  5    579  5.24 .1
551 5076505P 180769V8A6772706285760  94D09 222 16 70320 30BBM       RBR 201 9NE    1    167  10   45   521  5    677  5.3  .1
552 5076505P 180771V8A6773106285850  94D09 221 14 70320 30BBM       RBR  21 6NE    1    47   7    46   1336 5    985  6.84 .1
566 5076505P 180786V8A6774306285800  94D09 222 19 66210 20BBM       MBR 101 5NE    1    60   13   34   434  5    673  5.08 .1
567 5076505P 180787V8A6773906285720  94D09 222116 65210 20R         RBR 10116NE    1    31   12   53   384  5    643  5.66 .1
568 5076505P 180788V8A6773506285640  94D09 722 19 66210 20R         MBR 201        1    500  11   37   423  5    624  5.04 .1
569 5076505P 180789V8A6773006285540  94D09 721116 65310 20BBF       RBR  51        4    31   10   35   203  5    318  4.39 .1
570 5076505P 180791V8A6772306285410  94D09 222319 70210 20R         MBR 201 8NE    1    37   8    58   1039 5    1078 6.96 .1
571 5076505P 180792V8A6772106285370  94D09 222319 73210 20R         MBR 251 6NE      1   54        53
572 5076505P 180793V8A6771606285290  94D09 222316 69220 25BBM       RBR 301 4SW    1    40   13   63   919  5    510  5.85 .1
573 5076505P 180794V8A6771006285220  94D09 222 19 69610 20R         MBR 301 4NE    3    34   9    52   1007 5    918  7.05 .1
574 5076505P 180796V8A6771906285110  94D09 22116  70210 20B         MBR 30118 N    1    32   6    41   1015 5    1311 6.88 .1
575 5076505P 180797V8A6772706285210  94D09 421 16 72310 20R         MBR 301 2 N    1    33   9    51   1053 5    883  7.08 .1
576 5076505P 180798V8A6773206285270  94D09 221 14 68510 20BBM       MBR 201 3NE      5   40        56
577 5076505P 180799V8A6773706285350  94D09 221 19 69210 20R         MBR 301 8NE    1    57   9    70   983  5    871  7.89 .1
578 5076505P 180800V8A6774206285440  94D09 221 16 61210 25R         RBR 10110NE    1    50   10   79   327  5    621  5.83 .1
579 5076505P 180801V8A6774706285530  94D09 221 16 65320 25BBM       RBR 10110NE    1    95   10   52   269  5    603  5.47 .1
580 5076505P 180802V8A6775106285610  94D09 221 19 67210 20R         MBR 20110NE    1    51   10   38   218  5    499  4.48 .1
581 5076505P 180803V8A6775606285700  94D09 222 16 68210 15R         MBR 201 6NE    1    49   8    55   569  5    516  5.55 .1
582 5076505P 180804V8A6776206285780  94D09 222319 66320 25R         RBR  81 5NE    1    52   12   76   460  5    600  5.63 .1
593 5076505P 180816V8A6777706285840  94D09 221 19 62310 20BBM       MBR 151 9NE    1    42   13   79   233  5    652  5.67 .1
594 5076505P 180817V8A6777206285760  94D09 221316 63310 20BBM       BBR 201 8NE    1    33   13   61   374  5    655  5.52 .1
595 5076505P 180818V8A6776806285670  94D09 222 16 65310 20BBM       RBR 30110NE    5    188  11   41   398  5    390  4.3  .1
596 5076505P 180819V8A6776306285590  94D09 221 16 58310 20BBM       RBR 151 8NE    5    52   13   57   126  5    423  4.74 .1
597 5076505P 180821V8A6775906285510  94D09 221314 66410 20BBM       RBR 101 8NE    36   104  11   68   653  5    893  8.98 .1
602 5076505P 180828V8A6774406284870  94D09 221319 71210 20R         MBR 101 4 N    1    68   11   66   1142 5    913  7    .1
603 5076505P 180829V8A6774806284940  94D09 221 19 67310 20BBM       RBR 401 4 N    1    41   11   70   875  5    1182 7.66 .1
604 5076505P 180830V8A6775306285000  94D09 221 16 71210 25R         MBR 101 9 N    1    29   12   81   968  5    868  7.56 .1
605 5076505P 180831V8A6775806285070  94D09 221316   215 25BBM       RBR  7112NE    1    47   10   52   580  5    760  6.23 .1
606 5076505P 180832V8A6776406285140  94D09 221316   215 20BBM       RBR  81 7NE    1    46   9    45   755  5    846  6.34 .1
607 5076505P 180833V8A6776906285210  94D09 221 19   220 25R         MBR  81 7NE    1    25   8    50   825  5    972  6.84 .1
608 5076505P 180834V8A6777406285280  94D09 221 11   310 20BBM       RBR 151 6NE    1    21   16   70   352  5    711  6.44 .1
609 5076505P 180835V8A6777906285350  94D09 221 11 71215 20BBM       MBR 201 6NE    1    61   9    64   671  5    960  5.97 .1
610 5076505P 180837V8A6778506285430  94D09 221 11 65320 25BBM       RBR 201 5SE    2    36   12   99   407  5    756  6.6  .1
611 5076505P 180838V8A6778906285490  94D09 221 11 66310 20BBM       RBR  81 6SE      1   45        44
612 5076505P 180839V8A6779506285570  94D09 221 11 62310 20BBM        GY 201 4SE    1    110  9    28   810  5    1124 5.84 .1
661 5076505P 180898V8A6778706284760  94D09 22111  67320 30BBM       RBR 601 2NE    2    30   9    39   199  5    711  4.45 .1
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662	5076505P	180899V8A6778206284700	94D09 721119 67210 20BBM	RBR 301	2	50	9	63	552	5	1098	6.95	.1
688	5076505P	180929V8A6765206283460	94D09 321 16 220 30BBM	RBR 10121SW	12	65	11	68	189	5	1880	5.69	.1
689	5076505P	180930V8A6764606283400	94D09 221116 330 35BBM	RBR 7114 S	11	125	14	66	298	5	603	4.57	.1
690	5076505P	180931V8A6764006283320	94D09 321 16 230 35BBM	MBR 7121SW	11	220	12	53	304	5	661	4.37	.1
691	5076505P	180932V8A6763506283250	94D09 222 16 210 30R	MBR 121 6 S	4	115	17	69	250	5	807	4.45	.1
692	5076505P	180933V8A6762906283180	94D09 621111 230 40BBM	RBR 381 6 S	7	237	14	29	56	5	363	3.06	.1
693	5076505P	180934V8A6762406283110	94D09 521 11 220 30BBM	RBR 51 2 S	8	182	11	57	900	5	769	5.87	.1
694	5076505P	180935V8A6761806283040	94D09 221112 220 25BBM	RBR 301 4NE	3	157	12	37	64	5	487	3.16	.1
695	5076505P	180937V8A6762306282880	94D09 221 11 230 35BBM	RBR 201 8SW	4	71	14	62	32	5	604	3.47	.1
696	5076505P	180938V8A6762906282950	94D09 222 11 610 15BBM	DBR 201 8 S	4	68	12	34	29	5	500	2.5	.1
697	5076505P	180939V8A6763506283020	94D09 221111 320 30BBF	RBR 151 6SE	5	190	11	31	51	5	322	3.12	.1
698	5076505P	180940V8A6764006283100	94D09 221 11 320 30BBM	RBR 101 9 S	3	111	12	44	40	5	413	3.04	.1
699	5076505P	180941V8A6764606283170	94D09 221 11 50320 30BBM	DBR 5115SW	13	108	12	55	61	5	597	3.13	.1
700	5076505P	180942V8A6765206283240	94D09 221 11 51320 30BBM	DBR 20113SW	15	94	11	39	56	5	892	2.99	.2
701	5076505P	180943V8A6765806283310	94D09 221111 54220 30BBM	RBR 5112SW	10	129	13	61	143	5	764	5	.1
702	5076505P	180947V8A6768706283420	94D09 221116 59220 30BBF	RBR 5118 S	7	145	11	57	193	5	548	4.14	.1
703	5076505P	180948V8A6768106283360	94D09 221316 57530 40BBF	RBR 151 9SW	5	193	10	63	263	5	806	4.47	.1
704	5076505P	180949V8A6767506283280	94D09 221116 53230 40BBF	RBR 61 7SW	4	184	10	47	184	5	426	4.17	.1
705	5076505P	180950V8A6766806283210	94D09 221 11 60330 35BBM	MBR 101 5SW	8	202	11	39	92	5	405	3.13	.1
706	5076505P	180951V8A6766206283130	94D09 221 11 59320 30BBM	RBR 101 5 S	21	147	12	54	247	5	556	3.97	.1
707	5076505P	180952V8A6765506283060	94D09 521 16 230 35BBM	MBR 101 4 S	17	181	14	38	49	5	309	3.65	.1
708	5076505P	180953V8A6764906282980	94D09 521 11 51220 30BBM	DBR 81 4 S	16	268	10	62	451	5	589	4.58	.1
709	5076505P	180954V8A6764406282910	94D09 521311 66210 20BBM	RBR 81 4 S	4	88	13	45	49	5	523	3.47	.1
710	5076505P	180955V8A6763806282830	94D09 521 11 50220 30BBM	RBR 101 4 S	5	77	12	47	43	5	406	3.4	.1
711	5076505P	180956V8A6763406282770	94D09 521 11 49230 35BBM	DBR 201 4 S	3	75	13	42	23	5	357	2.67	.2
722	5076505P	180982V8A6760706283130	94D09 521 11 57215 20R	MBR 201 3 S	7	153	11	52	52	5	555	3.41	.1
723	5076505P	180983V8A6761406283190	94D09 521 11 58220 30BBM	RBR 101	9	152	12	42	94	5	484	3.35	.1
724	5076505P	180984V8A6761906283270	94D09 421 11 68215 25BBM	MBR 151 6SW	1	102	8	38	736	5	686	4.44	.1
725	5076505P	180989V8A6764706283640	94D09 321 16 64215 20BBM	MBR 20121SW	2	83	9	53	358	5	978	4.74	.1
726	5076505P	181036V8A6757906284440	94D09 421 16 72210 20R	MBR 40116SW	1	43	14	35	1043	5	892	5.37	.1
727	5076505P	181037V8A6756806284530	94D09 421 16 71210 20R	MBR 401 8SW		1	41		51				
731	5076505P	181069V8A6753806284860	94D09 421 16 67720 25R	MBR 501 8 N	1	118	13	37	962	5	772	4.98	.1
732	5076505P	181080V8A6759906285560	94D09 421 16 67330 35BBM	MBR 101 2 N	1	43	7	33	1840	5	1480	6.94	.1
746	5076505P	181137V8A6764756286610	94D09 821 16 220 25R	MBR 10126SE		2	50		74				
747	5076505P	181138V8A6765506286680	94D09 821111 220 25BBF	RBR 151 9SE		2	30		77				
748	5076505P	181139V8A6766306286750	94D09 821111 315 20BBF	RBR 151 3SE		2	26		84				
752	5076505P	181151V8A6752906284960	94D09 421 16 220 25BBM	MBR 351 4NW	5	247	17	59	746	5	822	5.73	.1
753	5076505P	181153V8A6751806284830	94D09 521 11 230 35B B	MBR 401 6NW		9	312		86				
754	5076505P	181155V8A6751206284760	94D09 521 11 2 0 5R	MBR 201 7NW	9	169	17	57	627	5	940	5.94	.1
891	5076505P	181363V8A6780806281520	94D09 221111 220 30PBF	RBR 15114NW	2	18	19	29	11	5	210	3.67	.5
895	5076505P	181367V8A6783406281820	94D09 221 11 220 30PBF	RBR 201 6NW	19	207	15	30	23	5	241	3.29	.6
896	5076505P	181368V8A6783956281900	94D09 221 11 320 30BBM	MBR 101 7NW	20	177	14	28	13	5	286	2.5	.3
917	5076505P	181391V8A6784006282150	94D09 521111 220 30BBF	RBR 401 2 N	10	39	21	21	7	5	113	3.5	.1
918	5076505P	181392V8A6783356282070	94D09 521111 220 30PBF	RBR 101 2 N	8	24	24	19	1	5	168	4.76	.6
919	5076505P	181393V8A6782706281995	94D09 521511 420 30BBS	MBR 51 3 N		36	590		42				
920	5076505P	181394V8A6782206281920	94D09 521111 310 15PBF	RBR 201 3 N	5	37	16	27	14	5	196	3.5	.6
921	5076505P	181395V8A6782506281840	94D09 421111 220 30PBF	RBR 501 4NW	25	68	22	20	14	5	190	4.25	.6
922	5076505P	181396V8A6780906281760	94D09 421111 210 20PBF	RBR 251 4NW		7	26		26				
923	5076505P	181397V8A6780906281760	94D09 421111 210 20PBF	RBR 251 4NW		16	14		25				
1570	6076505P	180534V5A6770606284700	94D09 321 183 7 0 5 TF	21 S	1	42	9	36	1120	5	1134	5.94	.1
1577	6076505P	180655V8A6771406283640	94D09 321 182 7 0 5 TF	32 S	1	68	11	80	478	5	1157	6.85	.1

1583	6076505P	180683V8A6762806283700	94D09	321	183647	0	5	TF	22NE		2	50	67					
1584	6076505P	180684V8A6762306283620	94D09	321	183697	0	5	TF	29SW	1	64	9	47	991	5	1259	5.62	.1
1588	6076505P	180695V8A6757806283540	94D09	321	18 677	0	5	TF	28SW	2	146	11	48	370	5	794	5.37	.1
1589	6076505P	180696V8A6758406283620	94D09	321	183707	0	5	TF	25SW	8	471	10	37	776	5	1111	6.83	.1
1590	6076505P	180697V8A6758906283690	94D09	321	183707	0	5	TF	21SW	7	332	11	41	722	5	936	6.74	.1
1591	6076505P	180698V8A6759606283760	94D09	321	182707	0	5	TF	24SW	8	301	8	37	926	5	1244	6.89	.1
1592	6076505P	180699V8A6761106283720	94D09	121	18 727	0	5	TF	10 S	2	153	5	46	1098	5	1460	6.41	.1
1593	6076505P	180700V8A6760506283650	94D09	321	18 727	0	5	TF	26 S	1	139	3	41	948	5	1405	6.93	.1
1594	6076505P	180701V8A6760006283580	94D09	321	183717	0	5	TF	28 S		1	165	58					
1595	6076505P	180702V8A6759406283510	94D09	321	183717	0	5	TF	30 S	3	236	9	41	731	5	1186	6.17	.1
1596	6076505P	180703V8A6758906283440	94D09	321	18 687	0	5	TF	30 S	3	324	11	34	382	5	764	4.17	.1
1597	6076505P	180704V8A6758306283370	94D09	221	181637	0	5	TF	15 S	7	514	14	44	216	5	806	4.14	.1
1598	6076505P	180706V8A6760606283890	94D09	321	182697	0	5	TF	40 N	2	200	12	43	467	5	581	4.09	.1
1599	6076505P	180707V8A6761206283960	94D09	321	182717	0	5	TF	35 N		4	137	85					
1600	6076505P	180708V8A6761806284030	94D09	321	18 717	0	5	TF	35 N		2	330	68					
1601	6076505P	180710V8A6762806284160	94D09	221	183737	0	5	TF	24 N		9	180	44					
1602	6076505P	180711V8A6763306284210	94D09	221	183727	0	5	TF	10SW		9	84	60					
1603	6076505P	180712V8A6763806284280	94D09	321	183727	0	5	TF	30 S	2	66	6	46	1245	5	1508	6.1	.1
1604	6076505P	180713V8A6764306284340	94D09	321	183707	0	5	TF	25 S	1	85	14	33	1141	5	1269	5.62	.1
1605	6076505P	180714V8A6764906284420	94D09	321	183727	0	5	TF	22 S	1	56	15	37	1255	5	1533	6.45	.1
1606	6076505P	180715V8A6765406284480	94D09	321	183737	0	5	TF	26 S		1	50	65					
1607	6076505P	180716V8A6765906284560	94D09	221	183717	0	5	TF	18 S	1	38	13	35	1163	5	1114	6	.1
1608	6076505P	180717V8A6766606284620	94D09	221	183727	0	5	TF	19 S	2	54	13	32	1167	5	1300	5.83	.1
1609	6076505P	180718V8A6767006284690	94D09	221	183727	0	5	TF	5 S		1	40	45					
1610	6076505P	180719V8A6767606284770	94D09	221	183717	0	5	TF	8 S	1	15	9	45	1115	5	1284	6.69	.1
1611	6076505P	180720V8A6768106284830	94D09	321	183727	0	5	TF	30 S	1	24	9	38	947	5	1348	6.33	.1
1612	6076505P	180724V8A6769206284740	94D09	221	183707	0	5	TF	15NE	1	36	11	56	1345	5	1002	7.5	.1
1613	6076505P	180725V8A6764006284080	94D09	321	183687	0	5	TF	24 S	4	135	13	65	960	5	1280	6.33	.1
1614	6076505P	180726V8A6764706284160	94D09	321	183667	0	5	TF	26 S	4	103	17	51	981	5	1458	7.49	.1
1615	6076505P	180727V8A6765206284230	94D09	321	183697	0	5	TF	24 S	4	102	14	48	1195	5	1306	6.69	.1
1616	6076505P	180728V8A6765706284300	94D09	321	183687	0	5	TF	22 S	1	99	11	38	1520	5	1836	7.25	.1
1617	6076505P	180729V8A6766406284370	94D09	321	183707	0	5	TF	24 S	2	82	12	37	1304	5	1397	6.48	.1
1618	6076505P	180730V8A6766806284440	94D09	321	183677	0	5	TF	22 S	1	55	12	43	1248	5	1306	6.5	.1
1619	6076505P	180731V8A6767506284520	94D09	321	183097	0	5	TF	24 S	1	67	11	40	1411	5	1347	6.8	.1
1620	6076505P	180732V8A6768006284590	94D09	321	183687	0	5	TF	24 S	1	47	10	44	1372	5	1468	7.15	.1
1621	6076505P	180734V8A6771206285000	94D09	321	183707	0	5	TF	24 N		1	22	40					
1622	6076505P	180762V8A6769306285200	94D09	321	183687	0	5	TF	21 S	1	103	19	74	1196	5	1365	7.34	.1
1623	6076505P	180795V8A6771506285050	94D09	321	183697	0	5	TF	21 S	1	30	7	44	1052	5	1304	6.94	.1
1624	6076505P	180826V8A6773506285110	94D09	321	183717	0	5	TF	22 N	1	54	8	37	1074	5	1447	6.4	.1
1625	6076505P	180827V8A6773006285020	94D09	221	183697	0	5	TF	12 N	1	39	9	44	996	5	895	5.95	.1
1626	6076505P	180897V8A6779406284840	94D09	221	182637	0	5	TF123	16NE	1	80	12	64	604	5	1590	6.49	.1
1627	6076505P	180926V8A6767006283660	94D09	321	183 7	0	5	TF	32SW	3	89	12	46	441	5	983	4.69	.1
1628	6076505P	180927V8A6766506283600	94D09	321	183 7	0	5	TF	28 S		2	80	60					
1629	6076505P	180928V8A6765806283530	94D09	321	183 7	0	5	TF	28SW		2	58	60					
1630	6076505P	180936V8A6761306282960	94D09	221	18 7	0	5	TF	10 S	3	165	12	40	48	5	473	3.02	.1
1631	6076505P	180944V8A6766406283380	94D09	221	18 647	0	5	TF	13SW	4	119	10	70	752	5	1533	7.3	.1
1632	6076505P	180945V8A6766906283460	94D09	221	18 667	0	5	TF	24SW		2	148	50					
1633	6076505P	180946V8A6767406283520	94D09	321	18 657	0	5	TF	25 S		1	95	50					
1649	6076505P	180985V8A6762606283350	94D09	221	183667	0	5	TF	10SW	1	108	6	46	1086	5	1295	5.97	.1
1650	6076505P	180986V8A6763206283430	94D09	321	18 637	0	5	TF	24SW	1	129	10	58	825	5	1110	6.05	.1
1651	6076505P	180987V8A6763806283490	94D09	321	18 677	0	5	TF	29SW	4	112	10	64	483	5	908	5.24	.1

1652	6076505P	180988V8A6764306283560	94D09	321	18 647	0	5	TF	30SW	3	131	10	60	567	5	959	5.41	.1
1658	6076505P	180995V8A6766006284770	94D09	721	183687	0	5	TF	1NE	1	52	7	45	1392	5	1464	7.33	.1
1659	6076505P	180996V8A6766606284850	94D09	221	183707	0	5	TF	4SE		1	10	35					
1660	6076505P	180997V8A6767106284920	94D09	321	183737	0	5	TF	30NE	1	27	5	28	1083	5	1190	4.7	.1
1661	6076505P	180998V8A6767606284990	94D09	321	183687	0	5	TF	21NE		1	10	40					
1662	6076505P	180999V8A6768206285060	94D09	221	183687	0	5	TF	10NE	1	35	7	40	1100	5	1197	6.25	.1
1663	6076505P	181000V8A6768706285120	94D09	221	183717	0	5	TF	15NE	1	54	13	54	1060	5	1212	6.69	.1
1664	6076505P	181002V8A6766606285220	94D09	221	18 687	0	5	TF	18 S	1	17	12	37	1184	5	1193	5.94	.1
1665	6076505P	181003V8A6766106285160	94D09	221	18 707	0	5	TF	10 E		1	10	35					
1666	6076505P	181004V8A6765506285100	94D09	221	18 687	0	5	TF	14 E	1	27	11	33	1385	5	1116	5.8	.1
1667	6076505P	181005V8A6764906285040	94D09	321	18 697	0	5	TF	24NE		1	12	35					
1668	6076505P	181006V8A6763806284910	94D09	221	183687	0	5	TF	6 S	1	21	13	45	1572	5	1183	6.83	.1
1669	6076505P	181007V8A6763306284840	94D09	221	183 7	0	5	TF	10SE	1	23	13	35	1357	5	1025	5.55	.1
1670	6076505P	181008V8A6762406284740	94D09	321	183 7	0	5	TF	22NE		1	55	59					
1671	6076505P	181009V8A6762106284710	94D09	321	183 7	0	5	TF	23NE	1	22	14	36	1372	5	1089	5.98	.1
1675	6076505P	181013V8A6760006284460	94D09	321	183 7	0	5	TF	36SW	1	78	16	39	447	5	1009	4.69	.1
1686	6076505P	181024V8A6764206284760	94D09	221	183 7	0	5	TF	4NE	1	31	13	43	1489	5	1198	6.9	.1
1687	6076505P	181025V8A6764606284830	94D09	221	183 7	0	5	TF	3SE	1	19	14	47	1491	5	1100	6.68	.1
1688	6076505P	181026V8A6765206284900	94D09	321	183717	0	5	TF	32NE	1	12	13	34	1380	5	1181	5.94	.1
1689	6076505P	181027V8A6765506284930	94D09	321	183727	0	5	TF	38NE	1	13	13	28	1080	5	912	4.75	.1
1690	6076505P	181028V8A6766506285060	94D09	221	183707	0	5	TF	12NE	1	14	11	33	1270	5	1055	5.64	.1
1691	6076505P	181029V8A6766906285090	94D09	421	183687	0	5	TF	6NE	1	29	8	34	1324	5	1218	6	.1
1692	6076505P	181030V8A6761006284800	94D09	321	183687	0	5	TF	45SW	1	40	15	23	804	5	916	3.99	.1
1693	6076505P	181031V8A6760506284740	94D09	321	183727	0	5	TF	40SW	1	29	15	23	699	5	809	4.17	.1
1694	6076505P	181032V8A6760006284680	94D09	321	183737	0	5	TF	36SW	1	27	13	24	931	5	868	4.62	.1
1695	6076505P	181033V8A6759506284620	94D09	321	183777	0	5	TF	30SW	1	18	11	27	1291	5	1080	5.14	.1
1696	6076505P	181034V8A6759006284570	94D09	321	183797	0	5	TF	26SW	1	22	15	31	801	5	993	4.42	.1
1697	6076505P	181035V8A6758506284500	94D09	321	183737	0	5	TF	21SW	1	4	11	28	1230	5	1044	5.08	.1
1698	6076505P	181038V8A6757306284590	94D09	321	183707	0	5	TF	25SW		2	50	50					
1699	6076505P	181039V8A6757806284660	94D09	321	183717	0	5	TF	33SW		1	89	38					
1700	6076505P	181040V8A6758406284720	94D09	321	183757	0	5	TF	40SW	1	56	14	30	798	5	923	4.67	.1
1701	6076505P	181041V8A6759006284780	94D09	321	183717	0	5	TF	45SW	1	120	12	43	1110	5	1284	5.8	.1
1702	6076505P	181042V8A6759506284850	94D09	321	183727	0	5	TF	47SW	1	15	7	30	1251	5	1064	5.14	.1
1703	6076505P	181043V8A6760006284910	94D09	321	183727	0	5	TF	40SW	1	23	10	27	1244	5	972	4.7	.1
1704	6076505P	181044V8A6760506284960	94D09	121	183717	0	5	TF	10 N		0	49	49					
1705	6076505P	181045V8A6761106285030	94D09	321	18 697	0	5	TF	28NE	1	11	7	31	1346	5	1035	4.91	.1
1706	6076505P	181046V8A6761706285100	94D09	321	183717	0	5	TF	28NE	1	35	9	30	1186	5	1034	5.39	.1
1707	6076505P	181047V8A6762306285160	94D09	221	183707	0	5	TF	12 N	1	19	4	36	1456	5	1249	6.17	.1
1708	6076505P	181048V8A6763006285240	94D09	321	183727	0	5	TF	35NE		0	16	55					
1709	6076505P	181049V8A6763706285310	94D09	3	71				35NE	1	18	8	30	1297	5	1096	5.3	.1
1710	6076505P	181050V8A6764306285390	94D09	321	183727	0	5	TF	22NE	1	32	10	33	1422	5	1165	5.84	.1
1711	6076505P	181051V8A6765006285460	94D09	321	183 7	0	5	TF	28NE	1	30	7	36	1517	5	1190	6.37	.1
1712	6076505P	181052V8A6765406285280	94D09	221	183 7	0	5	TF	13NE		0	20	54					
1713	6076505P	181053V8A6764806285210	94D09	421	183 7	0	5	TF	3NE	1	21	7	31	1307	5	1124	5.66	.1
1714	6076505P	181054V8A6764306285160	94D09	321	183 7	0	5	TF	28NE	1	29	9	37	1497	5	1249	6.14	.1
1715	6076505P	181055V8A6762906285010	94D09	321	183727	0	5	TF	40NE	1	34	11	32	1085	5	1421	5.73	.1
1716	6076505P	181056V8A6762706284980	94D09	221	183687	0	5	TF	12NE	1	18	6	37	1366	5	1337	5.91	.1
1717	6076505P	181057V8A6762206284920	94D09	321	183697	0	5	TF	28NE	1	31	6	37	1457	5	1324	6.33	.1
1718	6076505P	181058V8A6761606284850	94D09	321	183687	0	5	TF	32NE	1	19	10	34	1148	5	1153	5.26	.1
1719	6076505P	181059V8A6758806285000	94D09	321	183717	0	5	TF	40SW	1	31	8	27	1216	5	991	4.54	.1
1720	6076505P	181060V8A6758406284940	94D09	321	18 697	0	5	TF	32SW	1	35	6	38	1189	5	1361	5.55	.1

1721	6076505P	181061V8A6757806284880	94D09	321	183707	0	5	TF	33SW	1	66	10	40	1018	5	1141	5.51	.1
1722	6076505P	181062V8A6757406284830	94D09	321	18 697	0	5	TF	30SW	1	61	11	37	831	5	889	4.75	.1
1723	6076505P	181063V8A6756806284760	94D09	321	18 687	0	5	TF	25SW	1	74	15	36	792	5	890	4.41	.1
1725	6076505P	181070V8A6754506284920	94D09	321	18 677	0	5	TF	35SW	1	86		62					
1726	6076505P	181071V8A6754956284990	94D09	321	18 687	0	5	TF	30SW	1	64	12	48	1014	5	1280	5.74	.1
1727	6076505P	181072V8A6755506285055	94D09	321	18 697	0	5	TF	25SW	2	142		53					
1728	6076505P	181073V8A6756106285120	94D09	321	18 697				23SW	3	200		47					
1729	6076505P	181074V8A6756806285210	94D09	321	18 797	0	5	TF	36SW	1	43	23	42	1008	5	1430	4.8	.1
1730	6076505P	181075V8A6757206285245	94D09	321	18 737	0	5	TF	39SW	1	181	13	39	645	5	1070	4.94	.1
1731	6076505P	181076V8A6757656285310	94D09	321	182757	0	5	TF	40SW	1	22	10	30	1451	5	1233	5.23	.1
1732	6076505P	181077V8A6758206285370	94D09	321	18 727	0	5	TF	29NE	0	23		55					
1733	6076505P	181078V8A6758706285445	94D09	321	18 697	0	5	TF	21NE	1	27	6	34	1577	5	1135	5.8	.1
1734	6076505P	181079V8A6759206285510	94D09	421	18 697	0	5	TF	3NE	1	42	10	47	1716	5	1145	6.59	.1
1735	6076505P	181081V8A6760456285645	94D09	221	182687	0	5	TF	7NE	1	53	7	40	1747	5	1199	6.37	.1
1736	6076505P	181082V8A6760956285710	94D09	221	182687	0	5	TF	4NE	1	31	6	29	1498	5	1099	5.19	.1
1737	6076505P	181083V8A6761556285745	94D09	321	182 7	0	5	TF	30NE	1	142	7	23	1200	5	872	4.41	.1
1738	6076505P	181084V8A6762406285830	94D09	321	182637	0	5	TF	30NE	1	88	9	30	1298	5	1080	5.41	.1
1749	6076505P	181100V8A6757306285455	94D09	121	18 677	0	5	TF	15NE	1	51	9	33	1486	5	1144	5.48	.1
1750	6076505P	181101V8A6757806285520	94D09	221	18 717	0	5	TF	7NE	1	52	10	35	1551	5	1105	5.75	.1
1751	6076505P	181102V8A6758306285580	94D09	221	18 657	0	5	TF	7NE	1	33	5	37	1705	5	1276	6.17	.1
1752	6076505P	181103V8A6758806285655	94D09	221	18 667	0	5	TF	9NE	1	26	7	33	1409	5	1093	5.57	.1
1753	6076505P	181104V8A6759406285715	94D09	221	18 677	0	5	TF	10NE	1	32	4	36	1575	5	1195	5.87	.1
1754	6076505P	181105V8A6759906285770	94D09	221	18 687	0	5	TF	15NE	1	32	5	32	1419	5	1083	5.47	.1
1755	6076505P	181106V8A6760606285830	94D09	221	18 2	0	5	TF	12NE	1	39	8	34	1424	5	1185	5.58	.1
1772	6076505P	181135V8A6763406286460	94D09	221	18 7	0	5	TF	2SE	1	22		59					
1773	6076505P	181136V8A6764006287260	94D09	221	18 7	0	5	TF	6SE	1	36		81					
1776	6076505P	181146V8A6755606285280	94D09	321	18 7	0	5	TF	25SW	1	44	9	34	1490	5	1173	5.16	.1
1777	6076505P	181147V8A6755106285220	94D09	321	18 7	0	5	TF	22SW	1	86	11	34	1197	5	1223	5.42	.1
1781	6076505P	181152V8A6752356284890	94D09	421	18 7	0	5	TF	4NW	3	105	17	66	762	5	973	6.81	.1
1836	6076505P	181398V8A6759206285260	94D09	221	18 7	0	5	TF	8NE	1	37	12	31	1295	5	1049	5.41	.1
1837	6076505P	181399V8A6759756285335	94D09	321	18 7	0	5	TF	30NE	1	24	12	26	1123	5	970	4.55	.1
1838	6076505P	181400V8A6760306285390	94D09	321	18 7	0	5	TF	24NE	1	64	21	43	1626	5	1846	7.05	.1
1839	6076505P	181401V8A6760906285450	94D09	221	18 7	0	5	TF	8NE	1	58	20	37	1648	5	1350	6.44	.1
1840	6076505P	181402V8A6761306286010	94D09	421	18 7	0	5	TF	3NE	1	28	16	49	1886	5	1520	7.1	.1
1841	6076505P	181403V8A6762006285535	94D09	321	18 7	0	5	TF	32NE	1	142	18	41	1626	5	1428	6.83	.1
1842	6076505P	181404V8A6762656285660	94D09	321	18 7	0	5	TF	26NE	1	181	14	42	1773	5	1515	7.18	.1
1843	6076505P	181405V8A6763306285745	94D09	221	18 7	0	5	TF	16NE	1	131	16	41	1665	5	1417	6.94	.1
1844	6076505P	181406V8A6763956285810	94D09	321	18 7	0	5	TF	33NE	1	101	14	45	1771	5	1528	7.44	.1
1845	6076505P	181407V8A6764656285880	94D09	421	18 7	0	5	TF	9NE	1	57		57					

REC#	SMPL#	CU	AU	AU?	AS	HG	SB	SN	W	F	TH	CD	BI	V	BA	SR	SI	AL	CA	MG	NA	K	PT	PD	TI
71	180550	56	10	6	2	2	7	.1	5	64	37	1.85	.34	6.53	.01	.02	50	50							
72	180555	68	5	7	2	2	3	.1	3	22	12	1	.12	9.48	.01	.01	50	50							
73	180561	76	5	3	2	2	3	.1	3	15	10	1.06	.13	11.92	.01	.01	50	50							
74	180566	50	5	15	2	2	6	.1	5	40	30	1.87	.24	5.8	.01	.01	50	50							
75	180567																								
77	180580																								
78	180586	24	5	11	3	2	3	.4	3	38	39	2.15	.58	2.75	.01	.05	50	50							
79	180589	61	5	10	2	2	11	.2	3	35	26	1.43	.35	6	.01	.01	50	50							
90	180691																								
91	180741	75	5	10	2	2	3	.1	3	26	12	1.33	.17	12.32	.01	.01	50	50							
92	180744																								

93	180750																		
94	180752																		
95	180764																		
96	180770																		
98	180790	85	5	37	4	2	3	.1	3	21	10	.79	.22	15.48	.01	.01	50	50	
100	180820																		
101	180836																		
112	181001																		
116	181154																		
229	140013	13	10	3	2	2	3	.3.1	3	1038	28	2.02	.39	1.02	.01	.03	50	50	22
230	140014	12	5	3	2	2	3	.6.1	3	62	38	1.85	.64	.84	.01	.05	50	50	24
231	140015	24	5	3	2	2	3	.1	3	52	37	3.06	.53	1.27	.01	.04	50	50	
232	140016																		
233	140017	12	5	3	2	2	3	.1	3	34	36	3	.66	.88	.01	.02	50	50	
234	140018	22	5	3	2	2	3	.3	3	47	25	3.41	.39	1.64	.01	.01	50	50	
235	140019	10	5	3	2	2	3	.1	3	45	30	4.73	.27	.86	.01	.02	50	50	
236	140020	10	5	3	2	2	3	.1	3	33	19	3.72	.22	.77	.01	.01	50	50	
237	140021	11	5	3	2	2	3	.1	5	51	17	1.89	.24	.79	.01	.02	50	50	
242	140026	10	50	3	2	2	3	.1	3	30	18	3.51	.23	.6	.01	.02	50	50	
243	140027	11	5	3	2	2	3	.1	3	71	26	2.3	.32	.81	.01	.03	50	50	
244	140028	12	5	3	2	2	3	.1	3	28	15	3.57	.18	.59	.01	.04	50	50	
245	140029	13	5	3	2	2	3	.1	3	70	19	3.83	.27	.78	.01	.04	50	50	
246	140030	10	5	3	2	2	3	.1	3	67	30	2.05	.51	.83	.01	.04	50	50	
247	140031	17	5	3	2	2	3	.1	3	45	44	2.32	.65	1.02	.01	.03	50	50	
248	140032	20	5	3	2	2	3	.1	4	52	37	2.48	.63	1.74	.01	.03	50	50	
286	180019	9	5	3	2	2	3	.2	3	52	34	1.52	.35	.48	.01	.03	50	50	
287	180020	10	40	5	2	2	3	.1	3	20	49	1.22	.54	.67	.01	.04	50	50	
288	180021	6	10	5	2	2	3	.1	3	41	29	.82	.33	.18	.01	.02	50	50	
289	180022	59	10	3	2	2	3	.1	3	42	43	4.42	.56	1.31	.01	.05	50	50	
290	180023	15	5	3	5	2	3	.1	3	31	24	6.22	.23	.55	.01	.04	50	50	
291	180024	13	5	6	2	2	3	.1	3	39	27	2.66	.38	.77	.01	.04	50	50	
292	180025																		
293	180026																		
294	180027																		
295	180028																		
296	180029	10	5	3	2	2	3	.1	3	35	23	3.64	.37	.74	.01	.04	50	50	
297	180030	11	5	3	2	2	3	.1	3	37	34	3.16	.53	.77	.01	.03	50	50	
298	180031	10	5	3	2	2	3	.1	3	40	22	4.36	.32	.62	.01	.04	50	50	
299	180032	11	5	3	2	2	3	.1	3	37	22	4.89	.29	.61	.01	.05	50	50	
300	180033	12	5	3	3	2	3	.1	3	33	20	4.92	.32	.68	.01	.03	50	50	
320	180054	22	5	3	2	2	3	.1	3	44	41	1.58	.56	.74	.01	.05	50	50	
321	180055	10	5	3	2	2	3	.1	3	50	107	2.1	.5	.59	.01	.04	50	50	
322	180056	9	5	7	2	2	3	.1	3	44	30	2.06	.45	.71	.01	.04	50	50	
344	180078	19	5	8	2	2	3	.1	3	66	39	1.53	.41	1.05	.01	.04	50	50	
345	180079																		
346	180080	21	10	9	2	2	3	.2	3	56	40	1.96	.45	1.06	.01	.05	50	50	
347	180081	14	10	6	2	2	3	.1	3	29	36	1.45	.37	.67	.01	.03	50	50	
348	180082	16	5	10	2	2	3	.1	3	37	65	2.88	.52	.74	.01	.05	50	50	
377	180111	18	10	6	2	2	3	.2	3	51	38	2.69	.63	1.3	.01	.06	50	50	
381	180115	18	5	3	2	2	3	.1	3	59	103	2.64	1.4	.88	.01	.09	50	50	
385	180119	14	5	6	4	2	3	.2	4	33	25	2.07	.42	.81	.01	.07	50	50	

389	180527	67	5	6	3	2	7	.1	3	106	20	1.51	.13	7.5	.01	.01	50	50
390	180528	78	5	4	2	2	3	.1	3	35	12	1.37	.12	10.69	.01	.01	50	50
391	180529	84	5	3	2	2	3	.1	3	19	8	.72	.06	14.46	.01	.01	50	50
392	180530	63	5	5	2	2	7	.1	3	37	15	1.77	.16	8.42	.01	.01	50	50
393	180531	72	5	8	5	2	7	.1	3	50	18	1.56	.11	7.86	.01	.04	50	50
394	180532	62	5	13	4	2	4	.1	3	24	8	1.01	.06	9.03	.01	.02	50	50
395	180533	53	5	50	4	2	8	.1	5	46	11	1.31	.08	7.33	.01	.04	50	50
402	180544	64	5	3	3	2	5	.1	3	32	15	1.37	.1	10.03	.01	.01	50	50
403	180545																	
404	180546	47	5	11	5	2	9	.1	4	45	42	3.22	.26	5.83	.01	.03	50	50
405	180547																	
406	180548	60	5	9	5	2	6	.4	7	73	21	1.95	.17	6.56	.01	.04	50	50
407	180549	47	5	4	5	2	6	.3	6	53	19	1.97	.17	5.9	.01	.03	50	50
408	180551	52	5	3	3	2	7	.1	3	44	23	2.22	.14	6.45	.01	.01	50	50
409	180552	47	5	3	2	2	3	.1	5	62	17	1.79	.1	7.7	.01	.01	50	50
410	180553																	
411	180554	67	5	9	2	2	5	.1	3	28	17	1.72	.17	7.35	.01	.01	50	50
412	180556	52	5	3	2	2	3	.1	3	31	14	1.26	.11	10.19	.01	.01	50	50
413	180557	72	5	4	2	2	3	.1	3	47	19	1.72	.1	9.1	.01	.01	50	50
414	180558	59	5	4	2	2	4	.1	5	33	16	1.33	.17	7.25	.01	.01	50	50
415	180559	45	5	4	2	2	3	.1	3	48	19	1.58	.14	7.61	.01	.01	50	50
416	180560	85	5	3	2	2	3	.1	3	17	9	1.13	.08	11.03	.01	.01	50	50
417	180562	62	5	3	2	2	3	.1	3	16	9	.85	.14	12.55	.01	.01	50	50
418	180563	26	5	3	2	2	3	.1	5	65	35	2.45	.34	3.39	.01	.01	50	50
419	180564	49	5	51	2	2	5	.1	5	43	16	1.29	.14	7.61	.01	.01	50	50
420	180565	29	75	12	2	2	4	.1	3	53	33	2.04	.24	4.26	.01	.01	50	50
421	180568																	
422	180569																	
423	180570	53	5	3	2	2	3	.1	3	42	16	1.63	.12	8.8	.01	.01	50	50
424	180571	86	5	3	2	2	3	.1	3	18	4	.56	.08	14.63	.01	.01	50	50
425	180572	46	5	5	2	2	4	.1	5	28	24	1.79	.2	6.12	.01	.01	50	50
429	180577	55	5	10	6	2	11	.3	5	32	24	1.61	.17	6.69	.01	.01	50	50
430	180578																	
431	180579																	
432	180581	12	5	5	5	2	3	.5	3	30	24	2.97	.16	.91	.01	.02	50	50
433	180582																	
434	180583																	
435	180584	15	5	5	7	2	3	.5	3	44	31	4.15	.28	1.18	.01	.03	50	50
436	180585	22	5	9	2	2	3	.3	6	41	34	1.6	.32	2.58	.01	.01	50	50
437	180587	26	5	9	3	2	3	.3	3	45	37	1.82	.39	2.95	.01	.02	50	50
438	180588																	
439	180590																	
440	180591																	
441	180592	26	5	6	4	2	3	.6	4	27	24	1.76	.3	2.52	.01	.02	50	50
442	180593	31	5	7	2	2	3	.6	3	40	28	1.95	.3	2.5	.01	.01	50	50
443	180595	50	5	26	5	2	11	.6	5	46	23	1.6	.24	5.65	.01	.01	50	50
444	180596	46	5	16	4	2	6	.6	4	25	31	1.77	.3	3.47	.01	.03	50	50
445	180597	24	5	9	5	2	3	.5	5	42	30	1.68	.34	2.66	.01	.03	50	50
446	180598	29	5	12	5	2	7	.4	3	40	24	1.47	.22	4.19	.01	.01	50	50
485	180644	23	5	7	3	2	4	.4	6	39	31	2.16	.3	2.68	.01	.01	50	50
491	180654	51	5	7	5	2	4	.2	3	41	43	2.16	.3	2.75	.01	.02	50	50

492	180656																	
493	180657	58	10	11	2	2	8	.2	4	31	29	1.73	.3	5.64	.01	.01	50	50
510	180681	55	5	7	4	2	11	.3	5	154	19	2.11	.16	7.24	.01	.01	50	50
511	180682	70	5	5	6	2	9	.1	3	84	13	2.75	.2	9.35	.01	.01	50	50
512	180688	89	5	10	5	2	5	.1	3	16	7	.94	.1	9.71	.01	.01	50	50
513	180689	21	5	4	5	2	3	.4	5	50	41	2.65	.32	1.64	.01	.03	50	50
514	180690	27	5	4	4	2	3	.2	3	28	59	3.4	.63	1.48	.01	.04	50	50
515	180692																	
516	180693	23	5	6	2	2	3	.4	3	54	80	2.61	.41	1.31	.01	.03	50	50
517	180694	29	5	3	2	2	8	.1	3	54	110	2.67	.48	1.58	.01	.03	50	50
518	180705	25	5	7	3	2	3	.5	4	28	54	3.08	.48	1.88	.01	.02	50	50
519	180709	63	5	8	4	2	8	.2	5	117	19	4.32	.41	6.41	.01	.05	50	50
520	180721	71	5	6	3	2	6	.3	5	28	15	1.25	.17	9.99	.01	.01	50	50
521	180722	56	5	7	5	2	6	.4	5	66	16	1.52	.17	8.12	.01	.01	50	50
522	180723	78	5	4	3	2	3	.1	3	28	11	1.16	.07	12.25	.01	.01	50	50
523	180735																	
524	180736	145	5	9	3	2	9	.3	3	52	13	1.81	.12	10.5	.01	.01	50	50
525	180737	76	5	8	3	2	3	.1	3	21	7	1.06	.08	12.92	.01	.01	50	50
526	180738	134	5	4	4	2	3	.1	3	35	7	.88	.11	14.28	.01	.01	50	50
527	180739	83	5	7	3	2	3	.1	3	25	8	1.01	.12	14.23	.01	.01	50	50
528	180740	87	10	3	2	2	3	.1	3	22	12	1.5	.15	12.39	.01	.01	50	50
529	180742	64	5	4	3	2	10	.1	3	71	22	1.95	.17	9.57	.01	.01	50	50
530	180743	41	5	3	2	2	10	.8	4	51	35	4.19	.48	3.64	.01	.01	50	50
531	180745																	
532	180746	39	5	5	2	2	8	.6	6	65	43	4.01	.44	3.25	.01	.01	50	50
533	180747	17	5	3	2	2	3	.1	3	58	34	2.79	.29	1.2	.01	.01	50	50
534	180748																	
535	180749																	
536	180751	78	5	4	2	2	3	.1	3	29	18	1.45	.17	8.35	.01	.01	50	50
537	180753	76	5	12	2	2	8	.8	5	34	23	1.62	.25	5.5	.01	.01	50	50
538	180754	22	5	3	2	2	3	.8	9	47	32	2.2	.29	2.58	.01	.01	50	50
539	180755	29	5	3	2	2	3	.5	6	74	56	3.12	.55	2.36	.01	.01	50	50
540	180756	41	5	7	2	2	8	.4	3	60	29	1.92	.26	3.59	.01	.01	50	50
541	180757																	
542	180758																	
543	180759																	
544	180760																	
545	180761																	
546	180763	119	5	3	2	2	3	.1	3	21	3	.48	.07	18.57	.01	.01	50	50
547	180765	54	10	13	3	2	5	.6	8	44	18	2.07	.32	4.08	.01	.01	50	50
548	180766	97	15	14	3	2	8	.2	5	17	4	2.17	.29	7.29	.01	.01	50	50
549	180767	54	5	30	3	2	3	.6	5	68	43	1.45	.24	6.65	.01	.01	50	50
550	180768	57	10	21	3	2	9	.4	4	22	10	1.38	.22	6.75	.01	.01	50	50
551	180769	56	5	5	4	2	6	.1	4	18	7	1.35	.22	9.57	.01	.01	50	50
552	180771	99	5	3	6	2	3	.1	3	16	4	.6	.08	21.07	.01	.01	50	50
566	180786	56	5	6	5	2	9	.1	7	12	10	1.28	.22	8.75	.01	.01	50	50
567	180787	51	5	9	6	2	3	.1	4	22	14	1.46	.22	8.11	.01	.01	50	50
568	180788	55	5	11	3	2	8	.1	3	6	11	1.31	.32	8.48	.01	.01	50	50
569	180789	22	5	7	2	2	11	.1	8	20	12	1.54	.4	4.97	.01	.01	50	50
570	180791	85	5	3	5	2	3	.1	3	23	6	.85	.17	15.8	.01	.01	50	50
571	180792																	

572	180793	44	5	8	5	2	4	.1	3	39	15	1.61	.15	12.35	.01	.01	50	50
573	180794	83	5	8	5	2	3	.1	3	24	5	.69	.1	17.6	.01	.01	50	50
574	180796	108	5	3	5	2	3	.1	3	13	2	.43	.08	20.23	.01	.01	50	50
575	180797	83	5	3	6	2	3	.1	3	13	4	.75	.1	16.2	.01	.01	50	50
576	180798																	
577	180799	67	5	3	4	2	3	.1	3	22	12	1.12	.22	14.28	.01	.01	50	50
578	180800	40	35	3	3	2	4	.1	6	37	22	1.77	.44	6.08	.01	.01	50	50
579	180801	42	5	3	3	2	7	.1	4	26	19	1.46	.35	5.3	.01	.01	50	50
580	180802	40	80	6	3	2	6	.1	3	14	21	1.81	.41	4.64	.01	.01	50	50
581	180803	49	20	3	2	2	4	.1	3	17	11	1.14	.17	9.53	.01	.01	50	50
582	180804	44	5	4	3	2	3	.1	3	25	17	1.52	.22	8.39	.01	.01	50	50
593	180816	33	5	4	2	2	5	.1	6	35	16	1.77	.26	4.41	.01	.01	50	50
594	180817	44	5	5	4	2	8	.1	3	28	12	1.26	.25	7.44	.01	.01	50	50
595	180818	48	5	4	2	2	13	.1	7	14	17	1.67	.36	6.04	.01	.01	50	50
596	180819	23	5	3	2	6	3	.1	3	30	21	1.47	.34	2.75	.01	.02	50	50
597	180821	74	5	15	2	2	9	.1	3	34	17	1.36	.32	6.95	.01	.01	50	50
602	180828	75	10	3	2	2	6	.1	3	39	11	1.11	.15	12.1	.01	.01	50	50
603	180829	77	5	3	2	2	3	.1	3	27	9	1.08	.3	12.28	.01	.01	50	50
604	180830	72	40	3	2	2	3	.1	3	24	7	.96	.12	12.93	.01	.01	50	50
605	180831	49	5	3	2	2	5	.1	3	18	13	1.35	.22	9.01	.01	.01	50	50
606	180832	71	5	14	2	2	3	.1	3	13	11	1.12	.19	10.8	.01	.01	50	50
607	180833	79	5	3	2	2	3	.1	3	13	6	.72	.1	13.48	.01	.01	50	50
608	180834	45	5	3	2	2	7	.1	3	37	18	1.5	.17	6.3	.01	.01	50	50
609	180835	68	5	3	2	2	3	.1	3	20	14	1.08	.2	10.46	.01	.01	50	50
610	180837	48	5	3	2	2	10	.1	3	26	18	1.31	.2	6.84	.01	.01	50	50
611	180838																	
612	180839	98	5	3	2	2	3	.1	3	11	12	.89	.22	11	.01	.01	50	50
661	180898	36	5	3	2	2	8	.1	3	47	19	1.45	.19	3.11	.01	.01	50	50
662	180899	58	5	3	2	2	10	.1	3	61	20	1.7	.14	8.14	.01	.01	50	50
688	180929	59	5	6	2	2	6	.3	3	62	33	2.08	.27	2.57	.01	.01	50	50
689	180930	34	5	10	3	2	7	.2	6	45	30	2.25	.26	3.59	.01	.02	50	50
690	180931	40	5	9	5	2	19	.6	5	43	45	2.07	.32	4.29	.01	.01	50	50
691	180932	32	5	11	5	2	9	.6	6	64	33	3.34	.27	3.7	.01	.01	50	50
692	180933	20	5	3	3	2	3	.1	3	58	60	4.12	.4	1.18	.01	.01	50	50
693	180934	67	5	10	5	2	10	.1	3	30	20	1.61	.17	9.94	.01	.01	50	50
694	180935	24	5	3	4	2	3	.1	3	51	51	3.77	.51	1.37	.01	.03	50	50
695	180937	16	5	6	3	2	3	.1	3	78	45	3.84	.32	1.2	.01	.02	50	50
696	180938	10	5	3	2	2	3	.1	3	44	30	2.87	.17	.69	.01	.01	50	50
697	180939	16	5	3	2	2	3	.1	3	61	42	4.12	.39	1.04	.01	.01	50	50
698	180940	16	5	3	2	2	3	.1	3	53	40	3.52	.34	1.08	.01	.01	50	50
699	180941	16	5	4	2	2	3	.2	3	51	40	2.77	.32	1.18	.01	.01	50	50
700	180942	22	5	3	2	2	3	.1	3	39	28	1.92	.26	1.04	.01	.01	50	50
701	180943	33	80	5	5	2	3	.2	3	42	34	2.07	.26	2.75	.01	.01	50	50
702	180947	33	5	9	2	2	4	.4	5	26	35	2.45	.32	2.68	.01	.01	50	50
703	180948	43	10	7	3	2	7	.1	4	51	39	2.34	.3	3.55	.01	.01	50	50
704	180949	28	20	5	2	2	12	.3	3	37	34	2.93	.34	2.87	.01	.01	50	50
705	180950	20	5	3	2	2	3	.1	3	37	40	2.95	.44	1.33	.01	.01	50	50
706	180951	31	5	7	2	2	8	.4	3	43	32	2.18	.28	2.83	.01	.01	50	50
707	180952	16	5	3	4	2	3	.1	3	47	32	4.05	.32	.94	.01	.02	50	50
708	180953	39	5	5	2	2	12	.3	5	47	53	2.59	.61	4.75	.01	.01	50	50
709	180954	16	5	3	4	2	5	.1	3	56	44	3.47	.32	1.21	.01	.03	50	50

710	180955	14	5	5	5	2	3	.4	3	45	36	3.39	.26	1.2	.01	.01	50	50
711	180956	10	5	3	2	2	3	.3	3	51	33	3.08	.24	.81	.01	.01	50	50
722	180982	20	5	3	2	2	3	.1	3	72	47	3.29	.43	1.31	.01	.01	50	50
723	180983	22	15	3	4	2	3	.4	3	56	57	4	.43	1.35	.01	.03	50	50
724	180984	49	5	4	3	2	11	.1	3	22	6	1.02	.06	8.08	.01	.01	50	50
725	180989	45	5	6	2	2	11	.1	3	190	31	1.92	.28	3.87	.01	.01	50	50
726	181036	64	5	5	4	2	7	.1	3	29	9	2.18	.25	13.25	.01	.01	50	50
727	181037																	
731	181069	59	5	12	5	2	11	.1	3	18	11	1.31	.16	13.46	.01	.01	50	50
732	181080	142	5	4	4	2	3	.1	3	9	1	.43	.02	21.51	.01	.01	50	50
746	181137																	
747	181138																	
748	181139																	
752	181151	64	5	15	4	2	22	.1	3	44	20	2.75	.2	9.57	.01	.01	50	50
753	181153																	
754	181155	65	5	9	4	2	13	.1	3	38	21	1.63	.15	10.94	.01	.01	50	50
891	181363	9	5	9	2	2	5	.1	3	30	19	2.45	.24	.64	.01	.05	50	50
895	181367	14	5	6	2	2	3	.1	3	28	35	1.76	.43	.83	.01	.06	50	50
896	181368	10	5	4	2	2	3	.1	3	43	46	1.86	.65	.68	.01	.06	50	50
917	181391	8	5	6	3	2	3	.1	3	31	27	5.7	.27	.44	.01	.04	50	50
918	181392	8	40	7	5	2	3	.1	3	31	14	3.83	.14	.4	.01	.06	50	50
919	181393																	
920	181394	11	20	7	2	2	3	.1	3	32	31	2.92	.22	.61	.01	.06	50	50
921	181395	10	5	8	4	2	3	.1	3	31	21	2.77	.17	.46	.01	.06	50	50
922	181396																	
923	181397																	
1570	180534	97	5	3	2	2	3	.1	3	18	3	.38	.04	13.69	.01	.01	50	50
1577	180655	74	5	7	4	2	8	.1	3	32	16	1.33	.24	8.91	.01	.01	50	50
1583	180683																	
1584	180684	91	5	5	4	2	3	.1	3	25	4	.68	.05	13.76	.01	.01	50	50
1588	180695	43	5	12	4	2	10	.5	9	21	24	1.54	.25	5.44	.01	.01	50	50
1589	180696	101	5	13	3	2	3	.1	3	21	6	.63	.06	9.36	.01	.01	50	50
1590	180697	95	5	7	4	2	6	.1	3	14	3	.85	.04	10.13	.01	.01	50	50
1591	180698	113	5	3	4	2	3	.1	3	16	2	.61	.03	14.51	.01	.01	50	50
1592	180699	107	5	3	3	2	3	.1	3	17	2	.59	.02	16.83	.01	.01	50	50
1593	180700	114	80	3	3	2	3	.1	3	13	2	.26	.03	17.25	.01	.01	50	50
1594	180701																	
1595	180702	102	5	10	3	2	4	.1	3	14	7	.54	.14	9.55	.01	.01	50	50
1596	180703	59	5	13	4	2	3	.3	5	15	12	.86	.17	5.73	.01	.01	50	50
1597	180704	53	5	17	3	2	4	.8	7	41	86	1.83	.44	3.37	.01	.04	50	50
1598	180706	51	5	4	3	2	3	.1	3	175	19	4.05	.52	8.71	.01	.06	50	50
1599	180707																	
1600	180708																	
1601	180710																	
1602	180711																	
1603	180712	115	5	5	2	2	3	.1	3	24	5	.55	.06	10.14	.01	.01	50	50
1604	180713	106	5	7	2	2	5	.1	3	37	10	.91	.11	11.85	.01	.01	50	50
1605	180714	124	10	10	3	2	3	.1	3	27	8	.91	.1	13.66	.01	.01	50	50
1606	180715																	
1607	180716	94	5	6	3	2	3	.3	3	15	4	.4	.04	14.41	.01	.01	50	50
1608	180717	108	5	5	2	2	5	.1	3	23	4	.53	.05	12.71	.01	.01	50	50

1609	180718																
1610	180719	106	5	3	4	2	3	.1	3	21	3	.29	.05	20.46.01	.01	50	50
1611	180720	97	5	3	4	2	3	.1	3	20	3	.44	.06	17.78.01	.01	50	50
1612	180724	91	5	3	4	2	3	.1	3	18	4	.53	.05	16.89.01	.01	50	50
1613	180725	80	5	14	4	2	13	.3	6	98	21	2.04	.19	8.33 .01	.01	50	50
1614	180726	96	5	27	3	2	6	.1	3	48	11	1.03	.11	10.16.01	.01	50	50
1615	180727	98	5	38	4	2	3	.1	3	35	8	1.02	.08	11.21.01	.01	50	50
1616	180728	150	5	11	2	2	6	.1	3	28	6	.78	.05	12.41.01	.01	50	50
1617	180729	114	5	9	2	2	3	.1	4	28	7	.86	.07	11.19.01	.01	50	50
1618	180730	102	5	4	3	2	3	.1	3	29	20	.77	.08	14.01.01	.01	50	50
1619	180731	111	5	5	3	2	3	.1	3	26	6	.68	.05	13.58.01	.01	50	50
1620	180732	120	5	3	3	2	3	.1	3	24	5	.54	.05	16.92.01	.01	50	50
1621	180734																
1622	180762	88	5	9	2	2	3	.2	3	28	9	.81	.07	10.25.01	.01	50	50
1623	180795	103	5	3	5	2	3	.1	3	14	3	.44	.06	20.38.01	.01	50	50
1624	180826	113	5	3	2	2	3	.1	3	28	6	.72	.07	14.51.01	.01	50	50
1625	180827	71	5	3	2	2	3	.1	3	23	6	.73	.07	12.35.01	.01	50	50
1626	180897	76	5	3	2	2	6	.1	3	49	14	1.88	.15	7.65 .01	.01	50	50
1627	180926	62	5	10	2	2	17	.4	5	37	26	1.37	.2	6.66 .01	.01	50	50
1628	180927																
1629	180928																
1630	180936	21	5	4	2	2	3	.1	3	63	56	2.93	.48	1.28 .01	.02	50	50
1631	180944	104	5	3	3	2	5	.1	3	46	19	1.45	.15	11.88.01	.01	50	50
1632	180945																
1633	180946																
1649	180985	100	5	3	2	2	3	.1	3	25	11	.55	.05	12.67.01	.01	50	50
1650	180986	78	5	4	2	2	3	.1	3	29	17	1.37	.13	9.08 .01	.01	50	50
1651	180987	54	5	13	3	2	9	.1	3	43	22	1.64	.16	5.48 .01	.01	50	50
1652	180988	67	5	7	2	2	9	.1	3	40	22	1.63	.16	6.19 .01	.01	50	50
1658	180995	118	5	7	2	2	3	.1	3	26	7	.69	.07	11.73.01	.01	50	50
1659	180996																
1660	180997	79	5	3	2	2	3	.1	3	8	3	.26	.06	13.03.01	.01	50	50
1661	180998																
1662	180999	93	5	3	2	2	3	.1	3	17	3	.44	.04	12.5 .01	.01	50	50
1663	181000	91	5	12	2	2	3	.1	3	19	5	.45	.05	10.46.01	.01	50	50
1664	181002	103	5	3	2	2	3	.1	3	7	1	.07	.03	23 .01	.01	50	50
1665	181003																
1666	181004	99	5	3	2	2	3	.1	3	6	1	.17	.04	23.25.01	.01	50	50
1667	181005																
1668	181006	104	5	3	3	2	3	.1	3	13	2	.38	.05	22.28.01	.01	50	50
1669	181007	83	5	3	3	2	3	.1	3	12	5	.66	.12	19.03.01	.01	50	50
1670	181008																
1671	181009	87	5	3	3	2	3	.1	3	13	5	.77	.13	20.04.01	.01	50	50
1675	181013	48	5	9	2	2	15	.1	8	55	21	3.12	.54	8.14 .01	.03	50	50
1686	181024	102	5	7	2	2	3	.1	3	15	3	.48	.06	19.57.01	.01	50	50
1687	181025	96	5	4	2	2	3	.1	3	19	3	.4	.05	21.17.01	.01	50	50
1688	181026	99	5	3	3	2	3	.1	3	12	2	.3	.03	21.57.01	.01	50	50
1689	181027	77	5	3	2	2	3	.1	3	7	1	.27	.03	18.23.01	.01	50	50
1690	181028	94	5	3	2	2	3	.1	3	5	1	.12	.02	21.67.01	.01	50	50
1691	181029	107	5	3	2	2	3	.1	3	7	1	.1	.02	23.14.01	.01	50	50
1692	181030	60	5	12	2	2	15	.1	7	21	7	1.04	.2	11.21.01	.01	50	50

1693	181031	56	5	12	2	2	12	.1	4	17	4	1.1	.24	9.8 .01	.01	50	50
1694	181032	70	5	6	3	2	3	.1	3	18	6	.93	.19	14.21.01	.01	50	50
1695	181033	85	5	3	2	2	3	.1	3	13	4	.59	.13	19.54.01	.01	50	50
1696	181034	61	5	8	4	2	4	.1	3	35	16	1.72	.32	13.68.01	.01	50	50
1697	181035	85	5	3	3	2	3	.1	3	1	1	.03	.03	20.23.01	.01	50	50
1698	181038																
1699	181039																
1700	181040	65	5	3	4	2	8	.1	3	38	8	2.11	.24	13.46.01	.01	50	50
1701	181041	100	10	3	3	2	3	.1	3	42	8	1.36	.16	16.39.01	.01	50	50
1702	181042	92	5	3	2	2	3	.1	3	9	1	.16	.06	20.71.01	.01	50	50
1703	181043	84	10	3	2	2	3	.1	3	8	3	.3	.08	19.2 .01	.01	50	50
1704	181044																
1705	181045	92	5	3	2	2	3	.1	3	8	1	.1	.04	20.48.01	.01	50	50
1706	181046	85	10	3	4	2	3	.1	3	14	4	.73	.17	17.35.01	.01	50	50
1707	181047	108	5	3	2	2	3	.1	3	11	1	.29	.04	22.17.01	.01	50	50
1708	181048																
1709	181049	95	5	3	2	2	3	.1	3	10	1	.24	.03	19.57.01	.01	50	50
1710	181050	100	5	3	2	2	3	.1	3	12	2	.61	.07	19.42.01	.01	50	50
1711	181051	106	5	3	2	2	3	.1	3	8	1	.24	.03	21.11.01	.01	50	50
1712	181052																
1713	181053	100	5	3	3	2	3	.1	3	7	1	.22	.03	20.73.01	.01	50	50
1714	181054	110	5	3	3	2	3	.1	3	13	2	.43	.04	19.57.01	.01	50	50
1715	181055	89	5	3	3	2	3	.1	3	23	4	1.12	.08	15.41.01	.01	50	50
1716	181056	110	5	3	2	2	3	.1	3	21	3	.5	.07	20.14.01	.01	50	50
1717	181057	110	5	3	2	2	3	.1	3	12	2	.26	.06	19.46.01	.01	50	50
1718	181058	91	5	6	2	2	3	.1	3	18	3	.48	.08	15.71.01	.01	50	50
1719	181059	82	5	3	2	2	3	.1	3	9	2	.34	.08	17.17.01	.01	50	50
1720	181060	102	5	3	2	2	3	.1	3	24	4	.51	.1	16.31.01	.01	50	50
1721	181061	83	5	6	2	2	3	.1	3	33	10	1.53	.22	13.78.01	.01	50	50
1722	181062	64	5	3	2	2	10	.1	3	34	10	1.92	.24	9.85 .01	.01	50	50
1723	181063	61	5	13	6	2	15	.1	3	32	8	1.86	.16	11.94.01	.01	50	50
1725	181070																
1726	181071	92	5	10	5	2	7	.1	3	42	13	1.29	.17	13.48.01	.01	50	50
1727	181072																
1728	181073																
1729	181074	73	5	10	5	2	6	.1	3	20	93	2.12	1.18	16.28.01	.01	50	50
1730	181075	62	5	16	7	2	16	.1	3	73	45	2.67	.8	10.74.01	.04	50	50
1731	181076	98	5	3	6	2	3	.1	3	9	5	.44	.15	22.46.01	.01	50	50
1732	181077																
1733	181078	101	10	3	5	2	3	.1	3	6	1	.19	.02	23.79.01	.01	50	50
1734	181079	100	5	3	3	2	3	.1	3	17	3	.43	.04	22.35.01	.01	50	50
1735	181081	107	5	3	4	2	3	.1	3	9	1	.22	.01	24.2 .01	.01	50	50
1736	181082	101	5	3	3	2	3	.1	3	9	1	.16	.01	23.01.01	.01	50	50
1737	181083	77	5	3	3	2	3	.1	3	4	1	.2	.01	19.5 .01	.01	50	50
1738	181084	96	5	3	5	2	3	.1	3	3	1	.05	.01	23.21.01	.01	50	50
1749	181100	102	5	3	4	2	3	.1	3	11	1	.2	.01	23.25.01	.01	50	50
1750	181101	99	5	3	5	2	3	.1	3	10	1	.32	.02	23.28.01	.01	50	50
1751	181102	114	5	3	5	2	3	.1	3	11	1	.14	.01	26.25.01	.01	50	50
1752	181103	97	5	3	2	2	3	.1	3	6	1	.08	.01	23.29.01	.01	50	50
1753	181104	108	5	3	3	2	3	.1	3	9	1	.11	.01	25.39.01	.01	50	50
1754	181105	97	5	3	2	2	3	.1	3	6	1	.08	.01	23.79.01	.01	50	50

1755	181106	106	5	3	2	2	3	.1	3	11	1	.14	.01	23.2	.01	.01	50	50
1772	181135																	
1773	181136																	
1776	181146	102	5	3	3	2	3	.1	3	23	3	.22	.04	22.51	.01	.01	50	50
1777	181147	88	5	4	3	2	3	.1	3	27	10	.96	.2	17.46	.01	.01	50	50
1781	181152	73	5	14	2	2	21	.1	4	37	18	1.89	.22	9.08	.01	.01	50	50
1836	181398	90	5	5	2	2	3	.1	3	11	2	.41	.04	15.92	.01	.01	50	50
1837	181399	84	5	3	2	2	3	.1	3	9	1	.3	.02	16.23	.01	.01	50	50
1838	181400	142	5	21	8	2	3	.1	3	33	7	.65	.08	25.62	.01	.01	50	50
1839	181401	122	5	12	11	2	3	.1	3	12	2	.48	.06	26.7	.01	.01	50	50
1840	181402	133	5	6	10	2	3	.1	3	13	1	.17	.01	29.64	.01	.01	50	50
1841	181403	125	5	9	7	2	3	.1	3	7	1	.32	.02	27.17	.01	.01	50	50
1842	181404	130	5	3	9	2	3	.1	3	6	1	.2	.01	28.87	.01	.01	50	50
1843	181405	122	5	7	7	2	3	.1	3	9	1	.2	.01	26.42	.01	.01	50	50
1844	181406	132	5	3	5	2	3	.1	3	10	1	.24	.01	26.87	.01	.01	50	50
1845	181407																	

REC#	SMPL#	F	LA	AE3	B	CR	AE5	AE6	GRIDE	GRIDN
71	180550	.06		163						
72	180555	.03		154						
73	180561	.03		190						
74	180566	.06		185						
75	180567									
77	180580									
78	180586	.12		210						
79	180589	.06		282						
90	180691									
91	180741	.06		195						
92	180744									
93	180750									
94	180752									
95	180764									
96	180770									
98	180790	.02		391						
100	180820									
101	180836									
112	181001									
116	181154									
229	140013	.02		1340						
230	140014	.05		1235						
231	140015	.05		58						
232	140016									
233	140017	.06		31						
234	140018	.02		70						
235	140019	.06		43						
236	140020	.1		38						
237	140021	.02		39						
242	140026	.04		37						
243	140027	.02		40						
244	140028	.05		49						
245	140029	.04		54						
246	140030	.04		31						

247	140031	.05	43
248	140032	.07	79
286	180019	.03	29
287	180020	.02	41
288	180021	.02	20
289	180022	.04	63
290	180023	.1	40
291	180024	.03	34
292	180025		
293	180026		
294	180027		
295	180028		
296	180029	.05	39
297	180030	.05	34
298	180031	.07	46
299	180032	.06	45
300	180033	.06	43
320	180054	.06	47
321	180055	.09	47
322	180056	.04	30
344	180078	.07	53
345	180079		
346	180080	.08	56
347	180081	.05	36
348	180082	.09	37
377	180111	.04	46
381	180115	.11	29
385	180119	.03	39
389	180527	.15	183
390	180528	.03	125
391	180529	.02	140
392	180530	.07	157
393	180531	.06	130
394	180532	.06	161
395	180533	.08	148
402	180544	.04	170
403	180545		
404	180546	.03	153
405	180547		
406	180548	.08	155
407	180549	.05	148
408	180551	.06	187
409	180552	.08	183
410	180553		
411	180554	.05	165
412	180556	.06	156
413	180557	.05	154
414	180558	.07	154
415	180559	.05	172
416	180560	.01	133
417	180562	.02	165

418	180563	.08	103
419	180564	.05	126
420	180565	.05	178
421	180568		
422	180569		
423	180570	.06	144
424	180571	.01	157
425	180572	.03	116
429	180577	.04	189
430	180578		
431	180579		
432	180581	.06	50
433	180582		
434	180583		
435	180584	.09	61
436	180585	.04	169
437	180587	.05	202
438	180588		
439	180590		
440	180591		
441	180592	.04	185
442	180593	.05	189
443	180595	.13	248
444	180596	.03	190
445	180597	.03	161
446	180598	.07	250
485	180644	.04	228
491	180654	.06	229
492	180656		
493	180657	.06	232
510	180681	.13	169
511	180682	.05	182
512	180688	.02	328
513	180689	.07	100
514	180690	.05	80
515	180692		
516	180693	.08	84
517	180694	.07	125
518	180705	.06	102
519	180709	.07	113
520	180721	.01	158
521	180722	.11	151
522	180723	.02	160
523	180735		
524	180736	.07	147
525	180737	.04	154
526	180738	.04	146
527	180739	.03	187
528	180740	.04	134
529	180742	.12	182
530	180743	.07	152

531	180745		
532	180746	.08	160
533	180747	.07	88
534	180748		
535	180749		
536	180751	.02	237
537	180753	.06	240
538	180754	.05	239
539	180755	.12	125
540	180756	.12	233
541	180757		
542	180758		
543	180759		
544	180760		
545	180761		
546	180763	.01	164
547	180765	.08	305
548	180766	.02	343
549	180767	.03	252
550	180768	.02	238
551	180769	.02	301
552	180771	.01	221
566	180786	.01	331
567	180787	.03	266
568	180788	.01	283
569	180789	.03	300
570	180791	.03	282
571	180792		
572	180793	.04	239
573	180794	.02	212
574	180796	.01	202
575	180797	.01	205
576	180798		
577	180799	.06	324
578	180800	.07	363
579	180801	.05	308
580	180802	.02	278
581	180803	.02	284
582	180804	.03	274
593	180816	.05	342
594	180817	.04	270
595	180818	.02	261
596	180819	.04	257
597	180821	.07	378
602	180828	.05	216
603	180829	.04	299
604	180830	.05	215
605	180831	.05	270
606	180832	.03	299
607	180833	.02	216
608	180834	.06	229

609	180835	.03	198
610	180837	.05	261
611	180838		
612	180839	.01	236
661	180898	.06	193
662	180899	.12	220
688	180929	.08	214
689	180930	.08	179
690	180931	.07	153
691	180932	.08	127
692	180933	.07	56
693	180934	.05	228
694	180935	.08	55
695	180937	.07	50
696	180938	.08	47
697	180939	.07	53
698	180940	.06	61
699	180941	.08	95
700	180942	.04	173
701	180943	.04	281
702	180947	.04	207
703	180948	.06	189
704	180949	.04	191
705	180950	.06	102
706	180951	.05	129
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707	180952	.07	92
708	180953	.07	159
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710	180955	.04	59
711	180956	.05	42
722	180982	.05	65
723	180983	.08	85
724	180984	.04	172
725	180989	.07	126
726	181036	.03	112
727	181037		
731	181069	.01	109
732	181080	.01	187
746	181137		
747	181138		
748	181139		
752	181151	.03	186
753	181153		
754	181155	.04	147
891	181363	.05	37
895	181367	.01	44
896	181368	.05	33
917	181391	.06	43
918	181392	.04	38
919	181393		
920	181394	.04	43

921	181395	.05	37
922	181396		
923	181397		
1570	180534	.02	134
1577	180655	.08	375
1583	180683		
1584	180684	.01	193
1588	180695	.03	487
1589	180696	.02	341
1590	180697	.01	332
1591	180698	.01	362
1592	180699	.01	297
1593	180700	.01	336
1594	180701		
1595	180702	.01	352
1596	180703	.02	249
1597	180704	.05	234
1598	180706	.03	74
1599	180707		
1600	180708		
1601	180710		
1602	180711		
1603	180712	.02	102
1604	180713	.04	114
1605	180714	.03	162
1606	180715		
1607	180716	.01	144
1608	180717	.01	116
1609	180718		
1610	180719	.02	122
1611	180720	.02	213
1612	180724	.04	145
1613	180725	.08	145
1614	180726	.07	130
1615	180727	.04	145
1616	180728	.02	145
1617	180729	.03	137
1618	180730	.03	123
1619	180731	.02	145
1620	180732	.02	163
1621	180734		
1622	180762	.05	184
1623	180795	.01	195
1624	180826	.01	177
1625	180827	.04	166
1626	180897	.08	183
1627	180926	.05	184
1628	180927		
1629	180928		
1630	180936	.08	49
1631	180944	.05	248

1632	180945		
1633	180946		
1649	180985	.01	159
1650	180986	.05	172
1651	180987	.07	178
1652	180988	.05	182
1658	180995	.02	158
1659	180996		
1660	180997	.01	67
1661	180998		
1662	180999	.01	134
1663	181000	.02	182
1664	181002	.01	93
1665	181003		
1666	181004	.01	118
1667	181005		
1668	181006	.01	174
1669	181007	.01	123
1670	181008		
1671	181009	.01	108
1675	181013	.01	132
1686	181024	.01	138
1687	181025	.01	108
1688	181026	.01	124
1689	181027	.01	95
1690	181028	.01	100
1691	181029	.01	105
1692	181030	.01	107
1693	181031	.01	156
1694	181032	.01	136
1695	181033	.01	87
1696	181034	.03	78
1697	181035	.01	29
1698	181038		
1699	181039		
1700	181040	.01	93
1701	181041	.02	97
1702	181042	.01	57
1703	181043	.01	45
1704	181044		
1705	181045	.01	41
1706	181046	.01	115
1707	181047	.01	103
1708	181048		
1709	181049	.01	93
1710	181050	.01	178
1711	181051	.01	149
1712	181052		
1713	181053	.01	139
1714	181054	.01	187
1715	181055	.01	192

1716	181056	.01	99
1717	181057	.01	148
1718	181058	.01	89
1719	181059	.01	49
1720	181060	.01	80
1721	181061	.01	95
1722	181062	.02	68
1723	181063	.01	105
1725	181070		
1726	181071	.04	126
1727	181072		
1728	181073		
1729	181074	.02	226
1730	181075	.11	124
1731	181076	.01	104
1732	181077		
1733	181078	.01	214
1734	181079	.02	179
1735	181081	.01	181
1736	181082	.01	130
1737	181083	.01	274
1738	181084	.01	198
1749	181100	.01	170
1750	181101	.01	195
1751	181102	.01	171
1752	181103	.01	161
1753	181104	.01	132
1754	181105	.01	129
1755	181106	.01	142
1772	181135		
1773	181136		
1776	181146	.01	105
1777	181147	.03	142
1781	181152	.06	168
1836	181398	.01	106
1837	181399	.01	153
1838	181400	.01	246
1839	181401	.01	189
1840	181402	.01	157
1841	181403	.01	410
1842	181404	.01	301
1843	181405	.01	281
1844	181406	.01	282
1845	181407		

APPENDIX 3

Method of Histogram Interpretation

Rules for choice of size coding or contouring intervals

(1) Examine both arithmetic and logarithmic histograms for each type of survey data. Choose the histogram which most closely approximates a normal (or lognormal) distribution. If there are several populations exhibited on the histogram, subjectively divide the data into a series of normal or lognormal distributions. Avoid interpreting histograms which are strongly skewed. Portions of the arithmetic or logaritmic histograms may be chosen for data interpretation over specific metal concentration intervals, if this allows for the best portrayal of the data in graphical 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 1 in 10 and 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 the 97.5% value be considered the anomaly threshold.

Divide the remaining portion of the histogram into recognizable populations. The dividing point of each of these populations is chosen as a coding interval. Minimums caused by the failure of a laboratory to record specific concentration values are ignored. These artificial breaks in the histogram can be recognized by scanning the laboratory reports.

(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 respectively). These will also be used to represent anomalous conditions for each population.

(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 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 controured. Avoid choosing arithmetic intervals without considering rules (1) and (4).

(6) Maps plotted using the preceeding instructions might result in two areas being distinguished from each other by a relatively uniform density of symbol sizes, yet only poor contrast anomalies are indicated. Differences between the two areas, A and B, might be due to underlying geology, overburden character, soils etc. Whatever the cause, the data are not well displayed. If the underlying control distinguishing A and B can be recognized, the data must be divided and re-interpreted following steps (1) to

(5). Two sets of maps can be drawn, or both sets of interpreted data can be plotted on a single map. For such superimposed geochemical maps the symbol sizes lose their absolute meaning but assume a more important stance, that of reflecting anomalous conditions regardless of the underlying control. To illustrate, consider the case where A and B are areas underlain by very different geology. Anomalous conditions for low background rock types might be concentrations which are much lower than average values for the high background rock types. Nevertheless, anomalies defined in each area are to be considered significant. Reliance on absolute concentrations can be misleading in such cases.

APPENDIX 4

List 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 am a member, in good standing, of the Northwest Mining Association and Association of Exploration Geochemists.

4. That I have practiced my profession continuously as a staff geologist for BP Minerals Limited, since 1979.

Russell H. Wong

Russell H. Wong
BP Geologist

Vancouver, B.C.

Abbreviated List of Qualifications - S. J. Hoffman

BSc 1969 - McGill University (Hons., Geology and Chemistry)

MSc 1972 - The University of British Columbia (Geochemistry)

PhD 1976 - The University of British Columbia (Geochemistry)

Publication History (to September, 1985)

9. Papers published in referred journals (2 in the last 3 years).

2. Unpublished theses.

1. Paper published in a referred symposium special volume (0 in the last 3 years).

5. Papers submitted for publication, awaiting print.

2. Manuals awaiting publication decision.

List of Memberships

1. Geological Association of Canada, since 1967.
2. Canadian Institute of Mining and Metallurgy, since 1973.
3. Association of Exploration Geochemists, since 1973.
4. American Society of Agronomy, since 1973.
5. Geochemical Society, since 1983.

Other Qualifications

1. Instructor - B.C. Department of Mines, Northwest Mining Association, University of British Columbia, McGill University, B.C. and Yukon Chamber of Mines.
2. Speaker, CIM (Prince George), Geoscience Council (Yellowknife), Quebec Department of Natural Resources (Quebec City).
3. External Examiner, University of Calgary.
4. Chairman, GOLD-81 symposium (1981 - Vancouver), GEOEXPO/86 symposium (1986 - Vancouver.)
5. Council Member, AEG, 1980 - 1984.
6. Vice president, AEG, 1985 - 1986.
7. Business editor, GOLD-81 proceedings.
8. Member, committee to determine P. Geol. qualifications.

APPENDIX 5

STATEMENT OF COSTS

STATEMENT OF COSTS

1.	Chemical analysis	
	320 samples @ $19.00/sample	$6080.00
2.	Computer processing	
	320 samples @ $1.00/sample	320.00
3.	Labour	
	S.J. Hoffman, Senior Geochemist,	
	2 days July 17, 18	
	2 days @ $300./day	600.00
4.	Drafting - preparation of base maps	
	to be used in report	100.00
		$7100.00
		========

APPORTIONMENT OF ASSESSMENT WORK

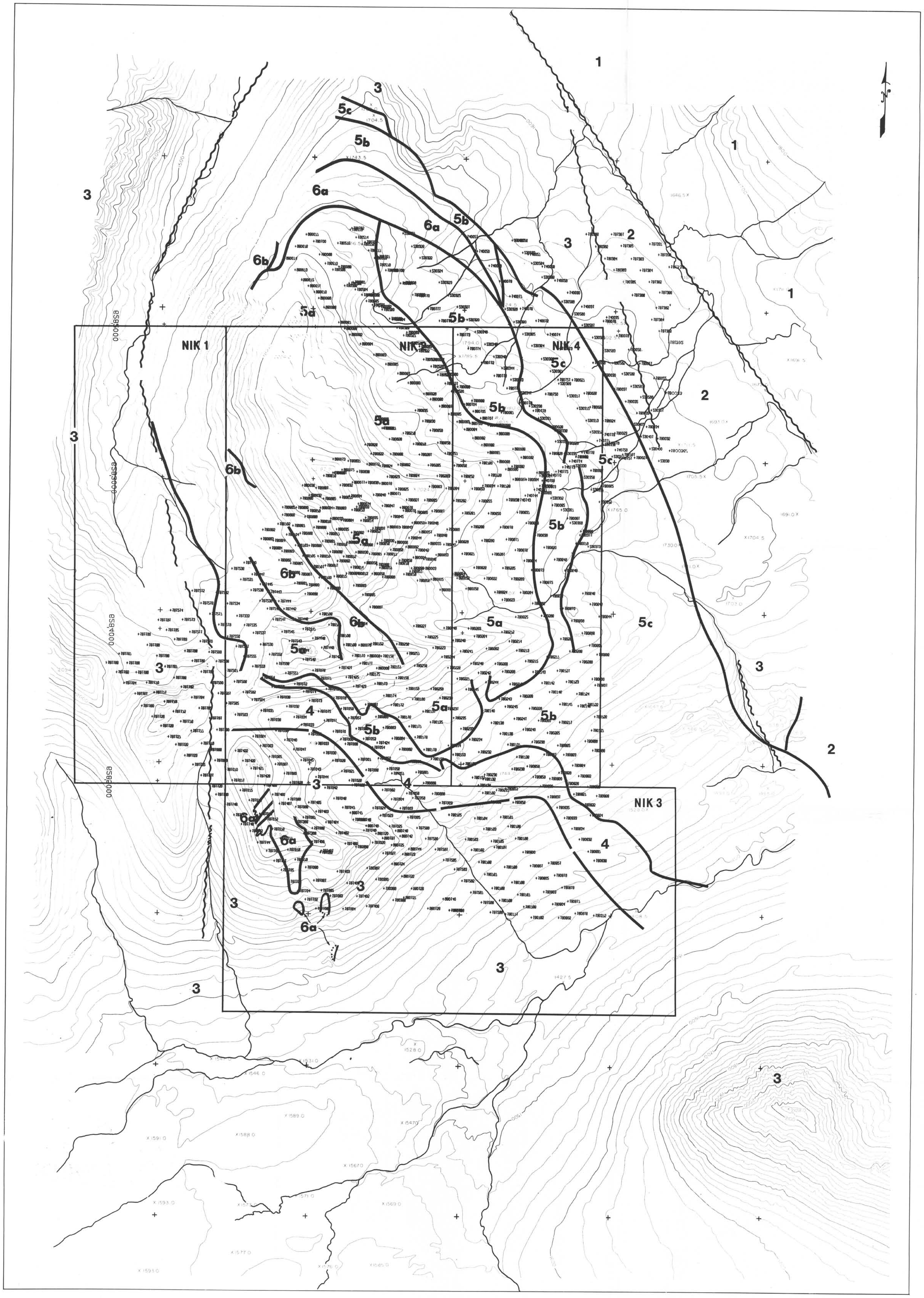
NIK PROPERTY, B.C.

Group: NIK Group 86-7(NIK 1-4) 60 units

Value of Work: $7,100 - B.C. Mining Receipt #234714

Application of Work:

NIK 3 361 (18 units)	
Apply - 1 year assessment work	$3600
NIK 4 362 (12 units)	
Apply - 1 year assessment work	$2400
Value of Work Applied: Claims	$6000
Balance to BP Minerals Limited PAC	$1100
	$7100



LEGEND

6a	MONZODIORITE
6b	QUARTZ DIORITE
5a	DUNITE
5b	PERIDOTITE, PYROXENITE
5c	HORNBLENDITE
4	AMPHIBOLITE
3	TAKLA VOLCANICS
2	LAY RANGE VOLCANICS
1	INGENIKA SEDIMENTS

Contact

Fault

Scale in Metres

BP Minerals Limited

NIK CLAIMS

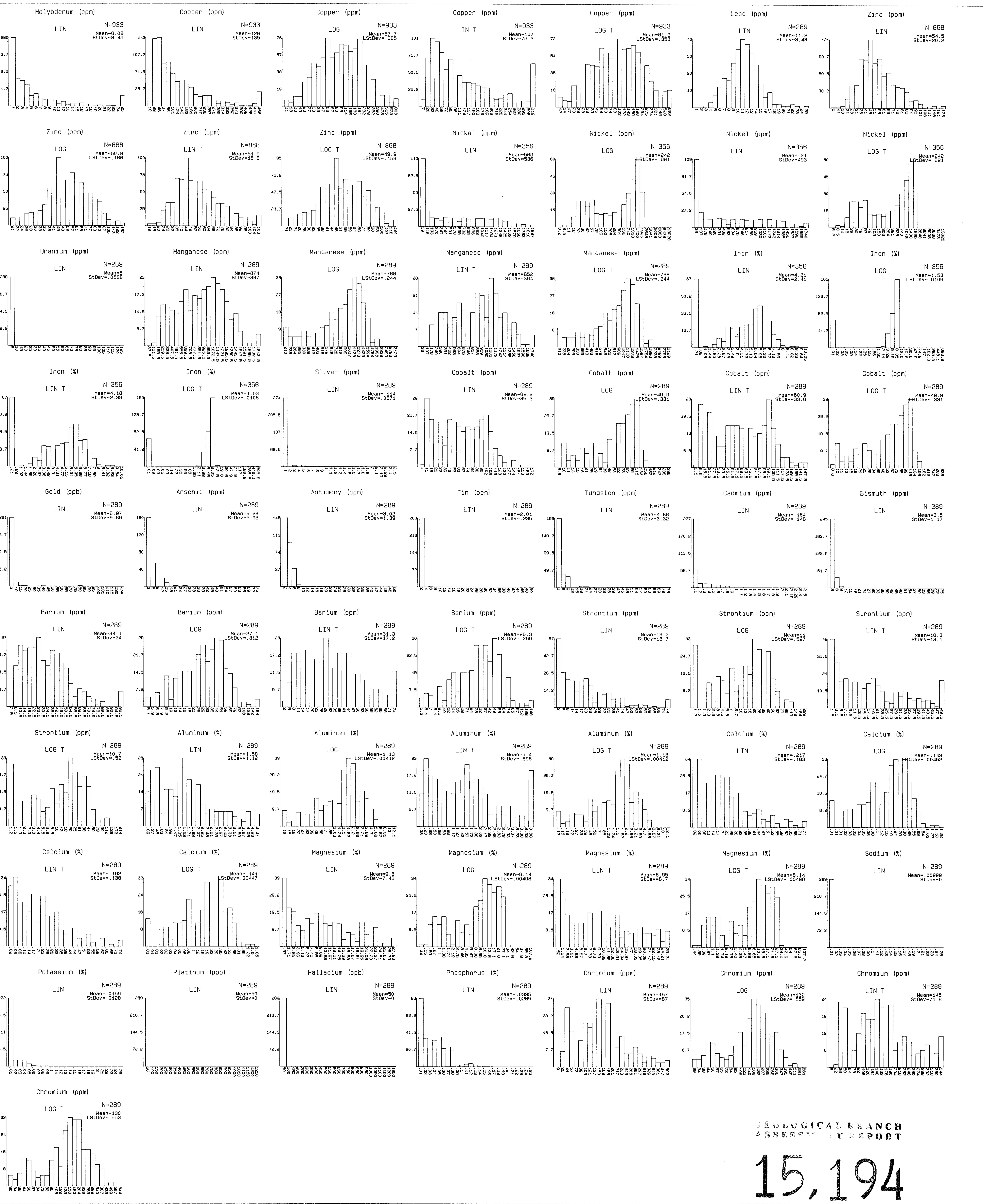
TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

SAMPLE LOCATION MAP

DWG. NO.	DATE: OCT/86	PROJECT#: 505	FIG. 4
REPORT NO.	NTS: 94D/9	SCALE 1: 10000	
TO ACCOMPANY REPORT:			

BPVR 86-11



DISTRIBUTION HISTOGRAMS

LIN = LINEAR
LOG = LOGARITHMIC
LINT= TRUNCATED LINEAR
LOGT= TRUNCATED LOGARITHMIC

SAMPLE SELECTION CRITERIA:

SAMPLE TYPE	50/60/61/62
PROPERTY CODE	ALL
LSE CODE	VBA
OB ORIGIN	ALL
SAMPLE TEXTURE	ALL
SOIL HORIZON	ALL
BEDROCK GEOLOGY	ALL
NORTH LIMIT	6286000.0
SOUTH LIMIT	6281300.0
EAST LIMIT	678200.0
WEST LIMIT	674500.0

SELCO DIVISION -
BP RESOURCES CANADA LIMITED

NIK CLAIMS

TOODOGGONE PROJECT - B.C.

1986 SOIL REANALYSIS

DATE: OCT/86	PROJECT#: 505
NTS: 94D/9	
BPVR 86-11	FIG. 5