REPORT ON ROCK AND SOIL GEOCHEMICAL SURVEYS AND PHYSICAL WORK

Done on the BJ GROUP Consisting of the

BJ, BEE, JAY, WINDY, GREY, RAINY, DAY Claims

Liard Mining Division

104 G/2W

57° 08' N, 130° 58' W

Owned By

TECK CORPORATION

Operated By

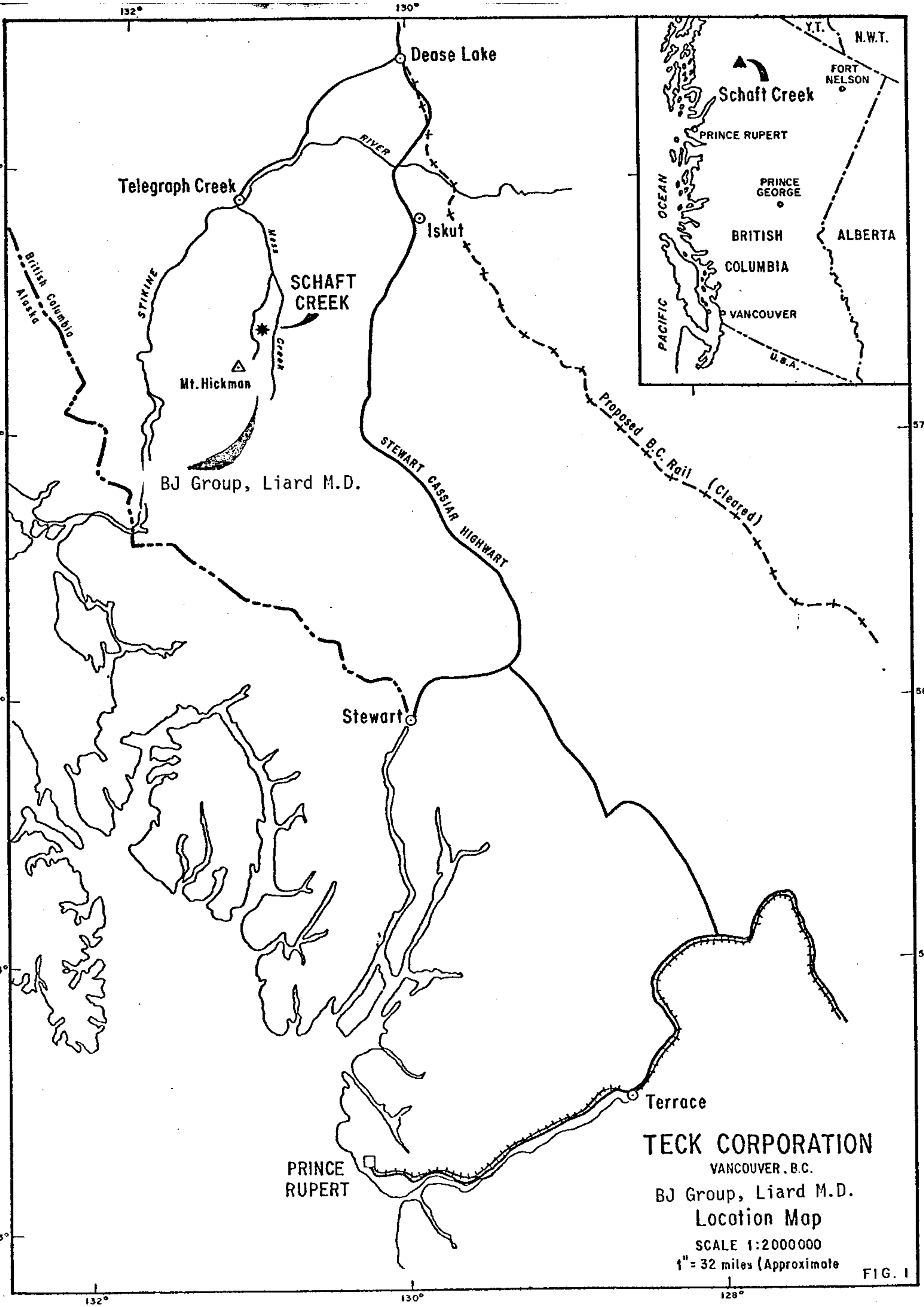
TECK EXPLORATIONS LTD.

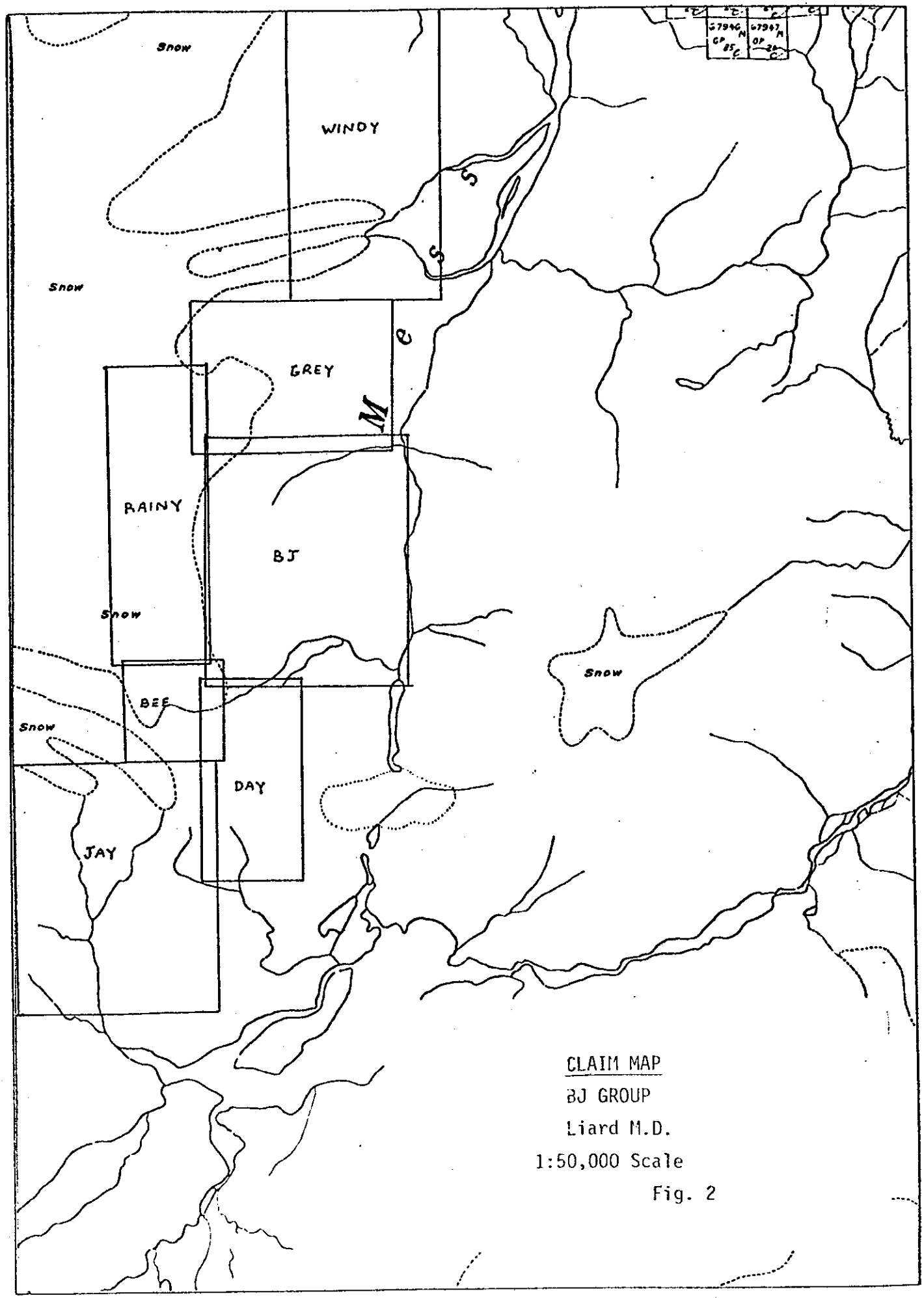
Under the Supervision of

PETER G. FOLK, P. ENG.

March 1981

TABLE OF CONTENTS


132°
130°
Dease Lake
Y.T.
N.W.T.
Schaft Creek
FORT NELSON
PRINCE RUPERT
PRINCE GEORGE
BRITISH
COLUMBIA
ALBERTA
VANCOUVER
PACIFIC
OCEAN
U.S.A.
RIVER
58°
Telegraph Creek
Iskut
British Columbia
Alaska
STIKINE
Mess
Creek
SCHAFT CREEK
Mt. Hickman
Proposed B.C. Rail (Cleared)
57°
STEWART CASSIAR HIGHWART
BJ Group, Liard M.D.
56°
Stewart
54°
Terrace
PRINCE RUPERT
53°
128°
TECK CORPORATION
VANCOUVER, B.C.
BJ Group, Liard M.D.
Location Map
SCALE 1:2000000
1" = 32 miles (Approximate
FIG. I



CLAIM MAP

BJ GROUP

Liard M.D.

1:50,000 Scale

Fig. 2

HISTORY

Although prospectors have been in the area there is no record of any claims being staked.

GENERAL GEOLOGY

The claims are underlain by Permian and older metamorphic rocks which have been subject to regional folding and faulting. Rock types range from greenstones and chlorite schists to phyllites and quartz-sericite schists. No later intrusive rocks were noted.

GEOCHEMICAL SURVEY

METHODS

Rock geochemical samples in areas of abundant outcrop and soil samples in areas of little outcrop were taken to evaluate anomalies located by stream sediment sampling. Grids were run by compass and hip chain with samples at 25 meter intervals.

Rock samples consisted roughly of 2 kilograms of rock chips representing the material at or near grid points. Soil samples were taken at depths of a few centimeters in "B" or "C" horizon material in the very poorly developed mountain soils. Standard kraft paper bags were used for the soil samples and plastic sample bags used for the rock chip samples.

The material was assayed by standard atomic absorption techniques at Acme Analytical Labs in Vancouver. Assay methods are described in the Appendix.

RESULTS

a) Windy Claim Soil Grid:

Soil samples taken on the Windy claim were analyzed for Au, Ag, Cu, Mo and Zn. The results are plotted on Figures 3 through 6. Gold and silver results show significant if somewhat narrow anomalies trending north-east through the grid. Two samples on line 800-S above the detection limit of 3,000 ppb Au were also highly anomalous in silver. The 100 ppb Au contour was visually estimated to be anomalous and extends through the grid in a zone about 100 meters wide and 1,000 meters long with the best values concentrated at the southern end. The Zn, Cu and Mo results do not relate to the trend of the Au and Ag anomalies and contain no appreciable values.

b) "A" Grid Rock Geochemistry (Figures 7 through 10):

Rock samples taken on the various grids were analyzed for Au, Ag, Zn, Cu, Pb, As and Hg. The "A" grid sampling showed a slight increase in Au content (up to 260 ppb) in the south-east corner but the other elements did not correlate with this trend. No economic concentrations of any of the metals are indicated.

c) "B" Grid Rock Geochemistry (Figures 11 through 14)

No significant widespread increases in any of the elements tested are indicated. A few erratic high values up to 1 ppm Au and 14.5 ppm Ag were located. Large scale economic concentrations of elements are not indicated.

d) "C" Grid Rock Geochemistry (Figures 15 through 18):

Weak gold and silver anomalies coincide over two small areas on the western portion of the grid. Other elements do not correspond well. Economic concentrations of elements over wide areas are not indicated.

e) "D" Grid Rock Geochemistry (Figures 19 through 22):

Only weak and erratic values in all elements are present.

PHYSICAL WORK

Sixty meters of hand trenching were completed using a Maruzen portable rock drill and stick powder. Work was done on the Grey and Jay claims between August 30th and September 9th, 1980. Trench depths average less than 0.5 meters and about 5 cubic meters of material were blasted. An itemized cost statement is enclosed.

CONCLUSIONS

On the Windy claim soil grid, a substantial coincident gold-silver geochemical anomaly is present. The rock geochemical surveys failed to outline any areas of economically interesting results. A few erratic high values in Au and Ag were returned.

RECOMMENDATIONS

Examine the anomalous area on the Windy claim grid and extend the grid to the north-east and south-west.

Respectfully Submitted

P. Folk, P. Eng.

ITEMIZED COST STATEMENT

GEOCHEMICAL SURVEYS AND PHYSICAL WORK

1. Windly Claim Soil Grid

Northern Mountain 206B helicopter from Schaft Creek August 21, 22, 24, 26 3.5 hours at $480.00/hour including fuel	$1,680.00
P. Folk, P. Eng. August 26, 30 2 days at $100.00/day	200.00
J. Bacon, Prospector August 21, 22, 23, 24, 25, 26 6 days at $55.00/day	330.00
M. Kay, Helper August 21 1 day at $55.00/day	55.00
W. Lilies, Helper August 22, 23, 24, 25, 26 5 days at $50.00/day	250.00
Food $20/day/man x 14 days	280.00
172 Soil Geochemical Assays 172 x $5.25	903.00
	$3,698.00

2. Rock Geochemical Surveys

Northern Mountain 206B helicopter from Schaft Creek August 4, 8, 14, 18, 19, 20, 30 5 hours at $480.00/hour including fuel	2,400.00
P. Folk, P. Eng. August 4, 8, 14, 19, 20 5 days at $100.00/day	500.00
P. Smith, Senior Student August 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18 15 days at $65.00/day	975.00
J. Bacon August 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 11 days at $55.00/day	605.00

M. Kay, Helper August 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 11 days at $55.00/day		$ 605.00
D. Graham, Student August 15, 16, 17, 18, 19 5 days at $50.00/day		250.00
Food $20/day/man x 37 days		740.00
332 Rock Geochemical Assays 332 x $10.25		3,403.00
		$9,478.00

3. Physical Work

Northern Mountain 206B helicopter from Schaft Creek August 30, September 1, 6, 9 3.5 hours at $480.00/hour including fuel		1,680.00
P. Folk, P. Eng. August 30, 31, September 1, 6, 7, 8, 9 7 days at $100.00/day		700.00
W. Lilies, Helper August 30, 31, September 1 3 days at $50.00/day		150.00
J. Bacon, Prospector September 6, 7, 8, 9 4 days at $55.00/day		220.00
Blasting Supplies		500.00
		$3,250.00

4. Other Chargable Expenses

Freight, mobilization and demobilization, transportation expenses from Vancouver, radio, equipment rental		1,800.00
Report preparation, drafting		750.00
		$2,550.00
	Total	$18,976.00

CERTIFICATE OF QUALIFICATIONS

Peter G. Folk, P. ENG.

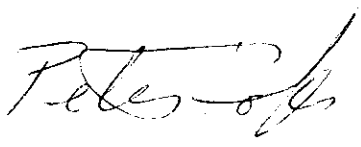
I hereby certify that:

1. I graduated from the University of British Columbia in 1971 with a B.A.S.C. degree in geological engineering.

2. I am a member in good standing of the Association of Professional Engineers of the Province of British Columbia.

3. I have worked since graduation as an exploration geologist and mine geologist in Canada and the United States.

4. The work described herein was done under my direct supervision.



A P P E N D I X

ANALYTICAL TECHNIQUES

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

GEOCHEMICAL LABORATORY METHODOLOGY - 1981

SAMPLE PREPARATION

1. Soil samples are dried at 60°C and sieved to -80 mesh.
2. Rock samples are pulverized to -100 mesh.

Geochemical Analysis for Ag*, Bi*, Cd*, Co, Cu, Fe, Mn, Mo, Ni, Pb, Sb*, V, Zn

0.5 gram samples are digested hot dilute aqua regia in a boiling water bath and diluted to 10 ml with dimineralized water.

All the above elements are determined in the acid solution by Atomic Absorption.

* demotes background correction.

Geochemical Analysis for Au

10.0 gram samples that have been ignited overnite at 600°C are digested with hot dilute aqua regia, and the clear solution obtained is extracted with Methyl Isobutyl Ketone.

Au is determined in the MIBK extract by Atomic Absorption using background correction (Detection Limit = 5 ppb direct AA and 1 ppb graphite AA.)

Geochemical Analysis for Au, Pd, Pt, Rh

10.0 - 30.0 gram samples are subjected to Fire assay preconcentration techniques to produce silver beads.

The silver beads are dissolved and Au, Pd, Pt, and Rh are determined in the solution by Atomic Absorption.

Geochemical Analysis for As

0.5 gram samples are digested with hot dilute aqua regia and diluted to 10 ml.

As is determined in the solution by Graphite Furnace Atomic Absorption.

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

Geochemical Analysis of Hg

Digestion

A .50 gram sample is digested with aqua regia and diluted with 20% HCl.

Determination

Hg in the solution is determinated by cold vapour AA using F & J Scientific Hg assembly. An aliquot is added to stannous chloride-hydrochloric acid solution. The reduced Hg is swept out of the solution and passed into the Hg cell where it determined by AA.

Oxalic Acid Leach of Rock, Soil & Silt Samples

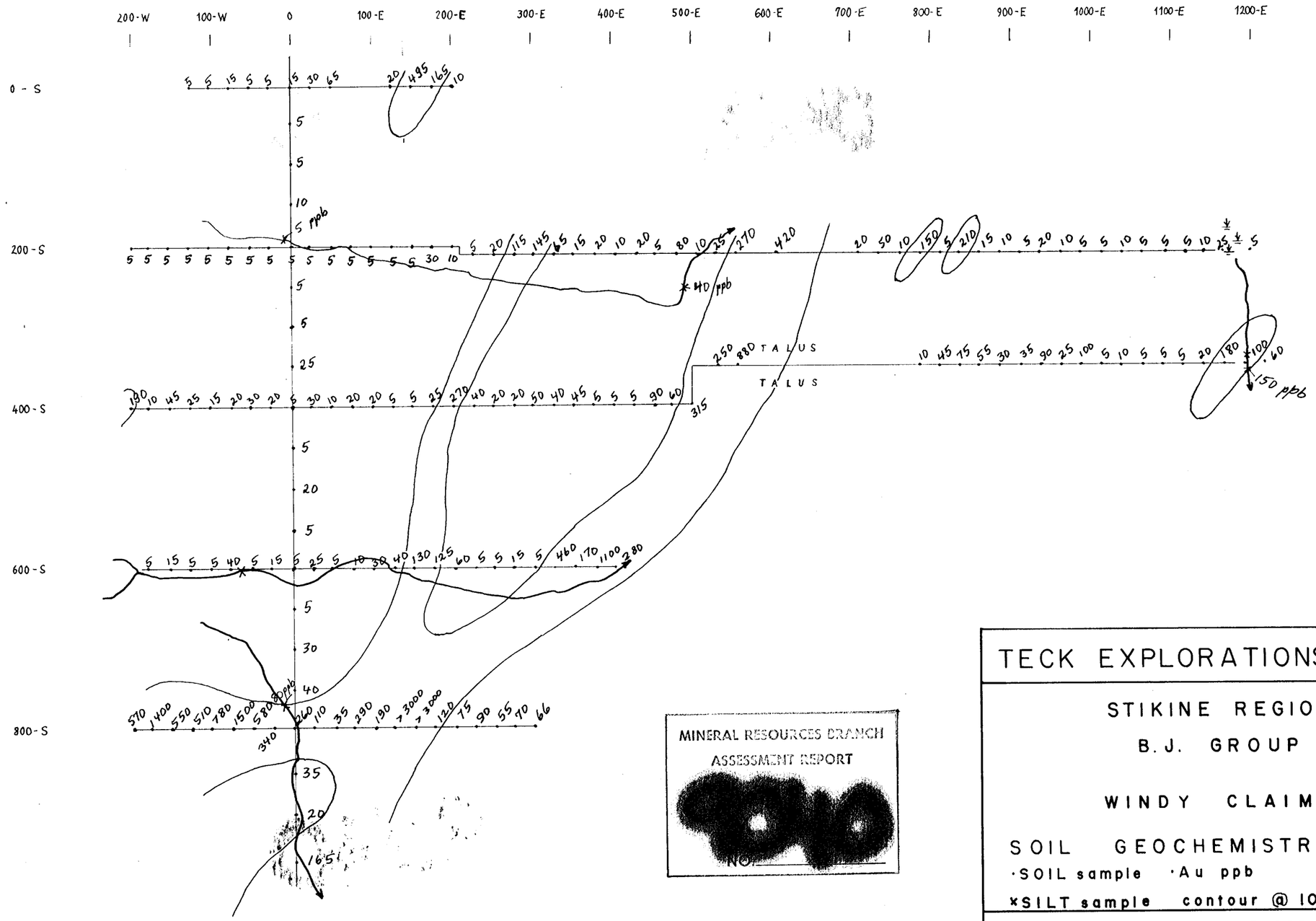
A .50 gram sample is digested hot with 10 mls 5% oxalic acid solution. The oxalic acid will dissolve Fe and Mn from their oxided of M - 1 fraction (but not from magnetite & ilmenite) limonites and clays. The following metals are analysed by atomic absorption : Cu, Zn, Pb, Ni, Mo, Fe & Mn.

Cold HCl Acid Extraction

A .50 gram sample is leached with 10 ml 5% HCl solution at room temperature for 2 hours with ocasional shaking. Copper is dissolved from the organic and surface layers of clay fractions.

EDTA Extraction

A .50 gram sample is leached at room temperature for 4 hours with 10 mls of 2.5% EDTA solution.



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

WINDY CLAIM

SOIL GEOCHEMISTRY:

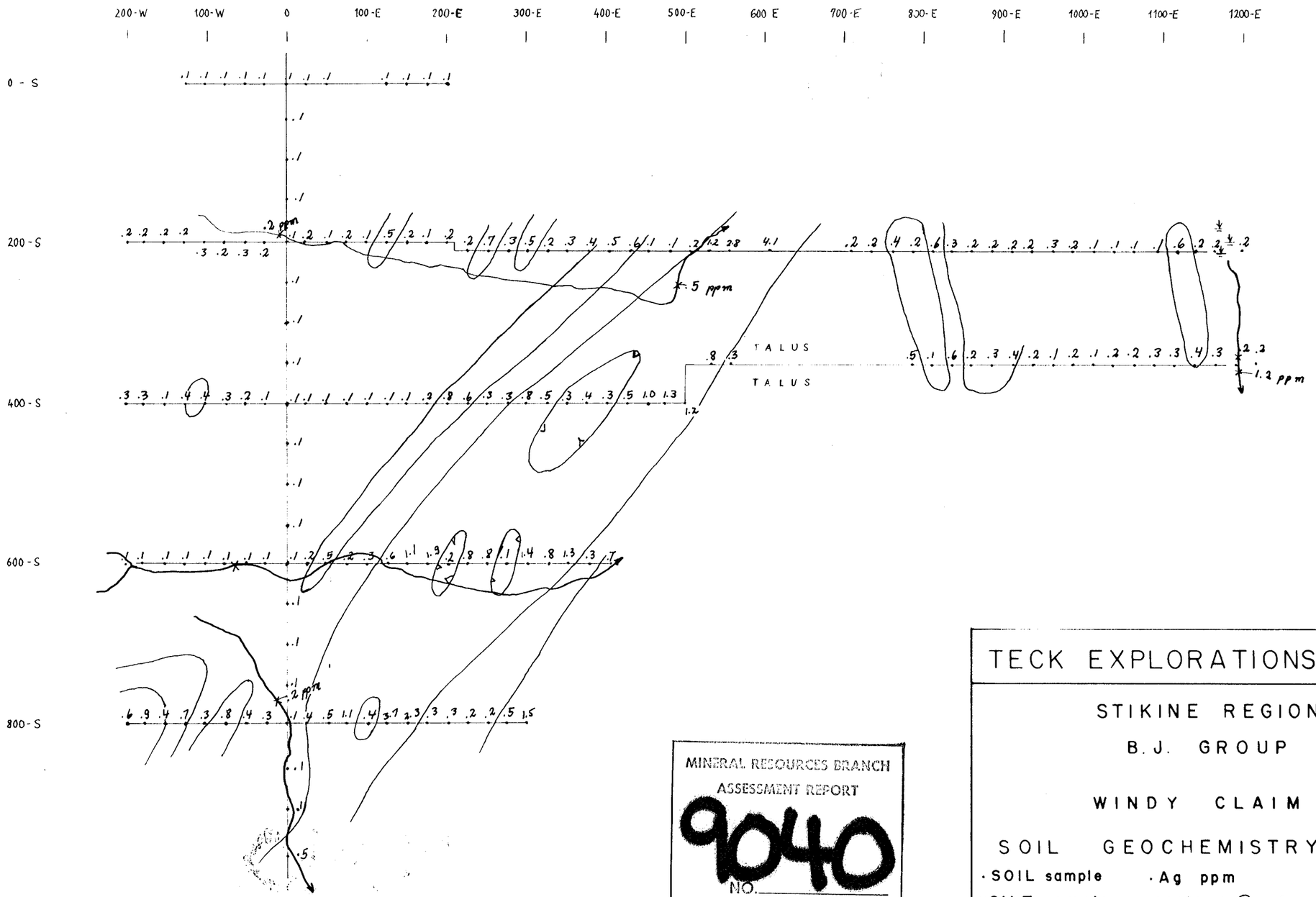
·SOIL sample ·Au ppb

×SILT sample contour @ 100 ppb Au

SCALE 1 : 5 000

0 50 100 150 200 250 300 350 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M. F.	P. F.	1264	3



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

WINDY CLAIM

SOIL GEOCHEMISTRY:

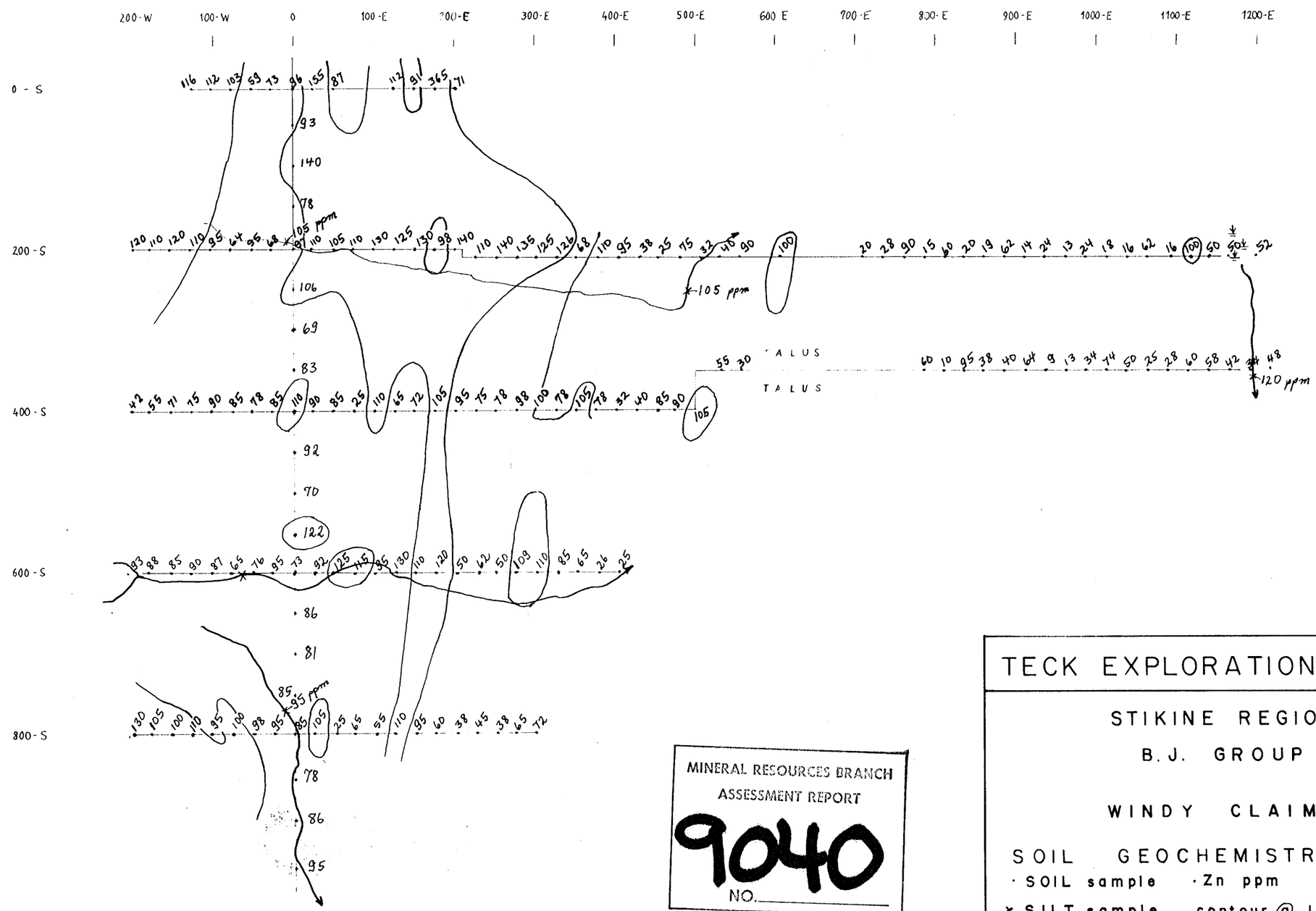
· SOIL sample · Ag ppm

×SILT sample contour @ 4 ppm Ag

SCALE 1 : 5 000

0 50 100 150 200 250 300 350 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P.F.	1264	4



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

WINDY CLAIM

SOIL GEOCHEMISTRY:

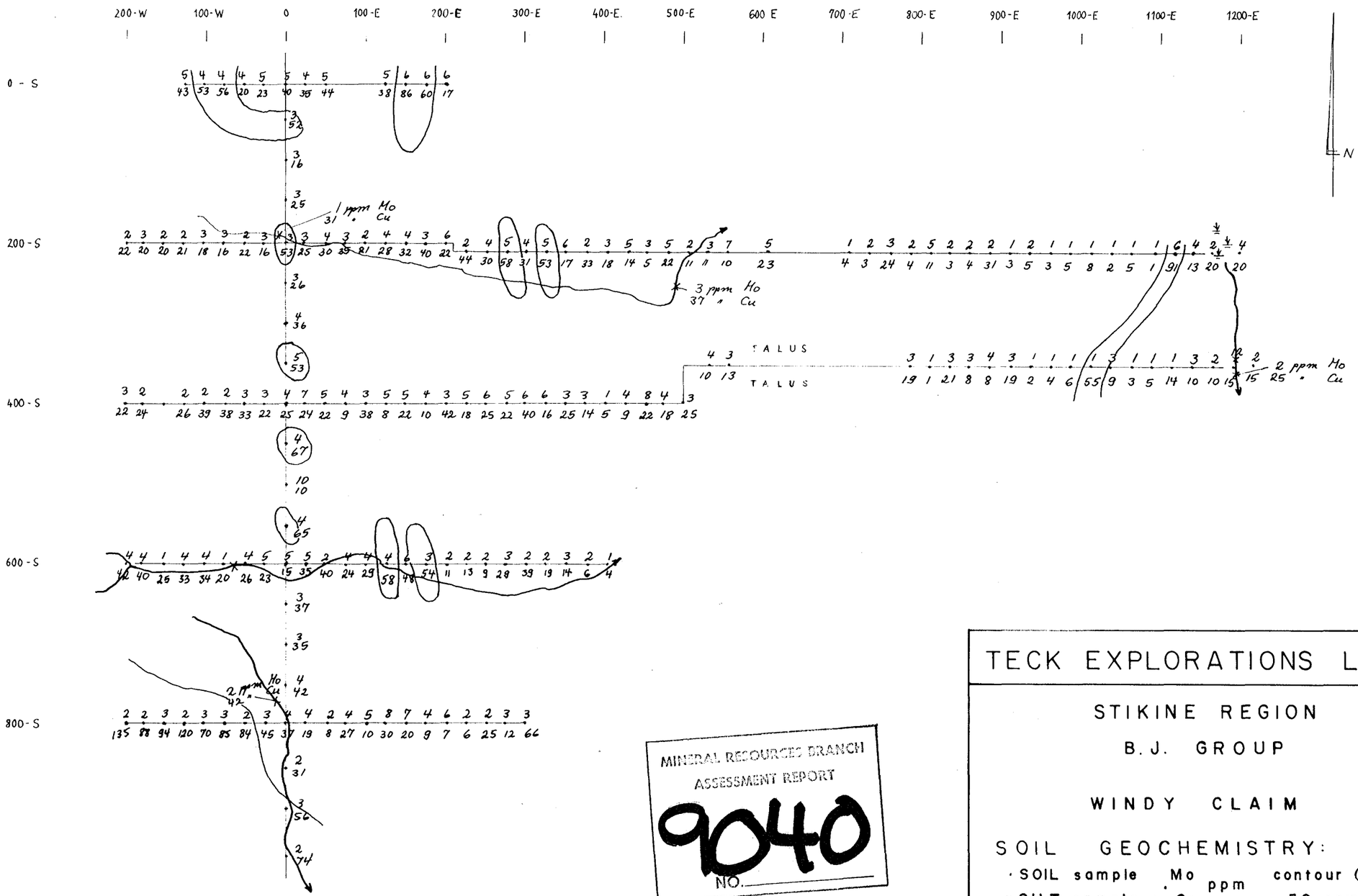
· SOIL sample · Zn ppm

× SILT sample contour @ 100 ppm Zn

SCALE 1 : 5 000

0 50 100 150 200 250 300 350 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M. F.	P. F.	1264	5



TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

WINDY CLAIM

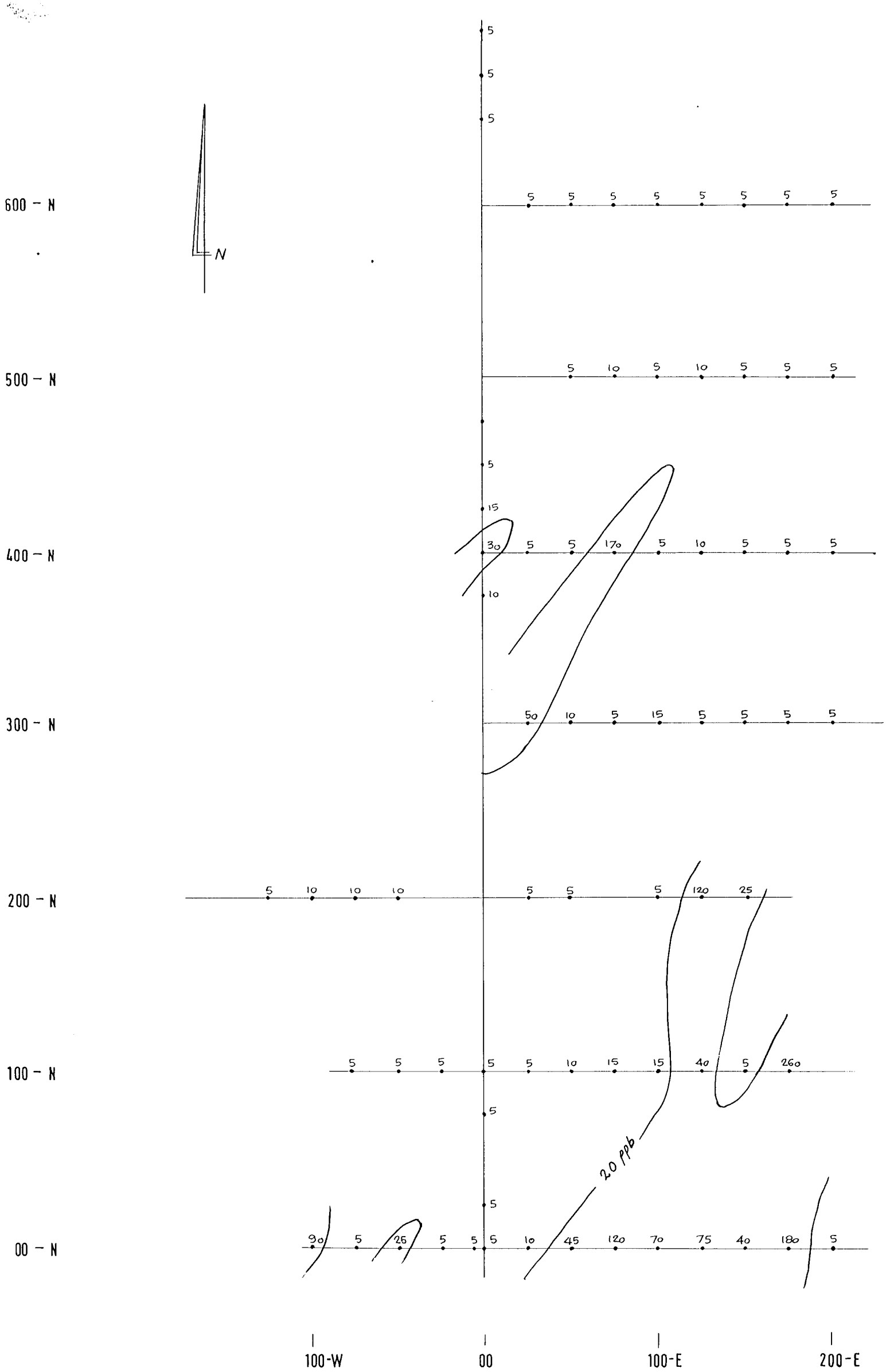
SOIL GEOCHEMISTRY:

· SOIL sample Mo ppm contour @
× SILT sample Cu 50 ppm Cu

SCALE 1 : 5 000

0 50 100 150 200 250 300 350 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P.F.	1264	6



TECK EXPLORATIONS LTD

STIKINE REGION

ROCK GEOCHEMISTRY

Au PPB

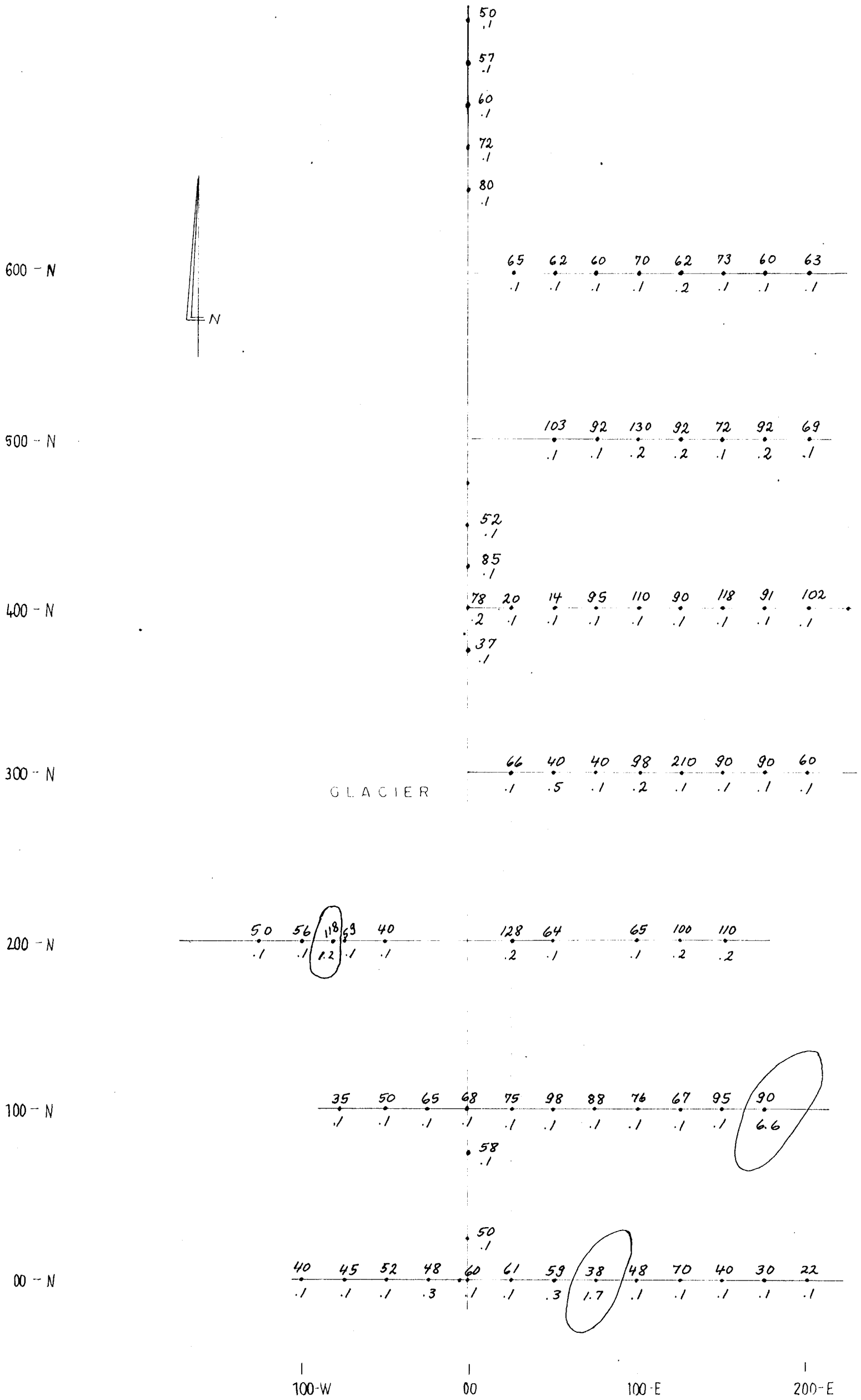
"A" GRID

("B.J." CLAIMS)

SCALE 1:2500

FIG. 7

SEPT. 1980



TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"A" GRID

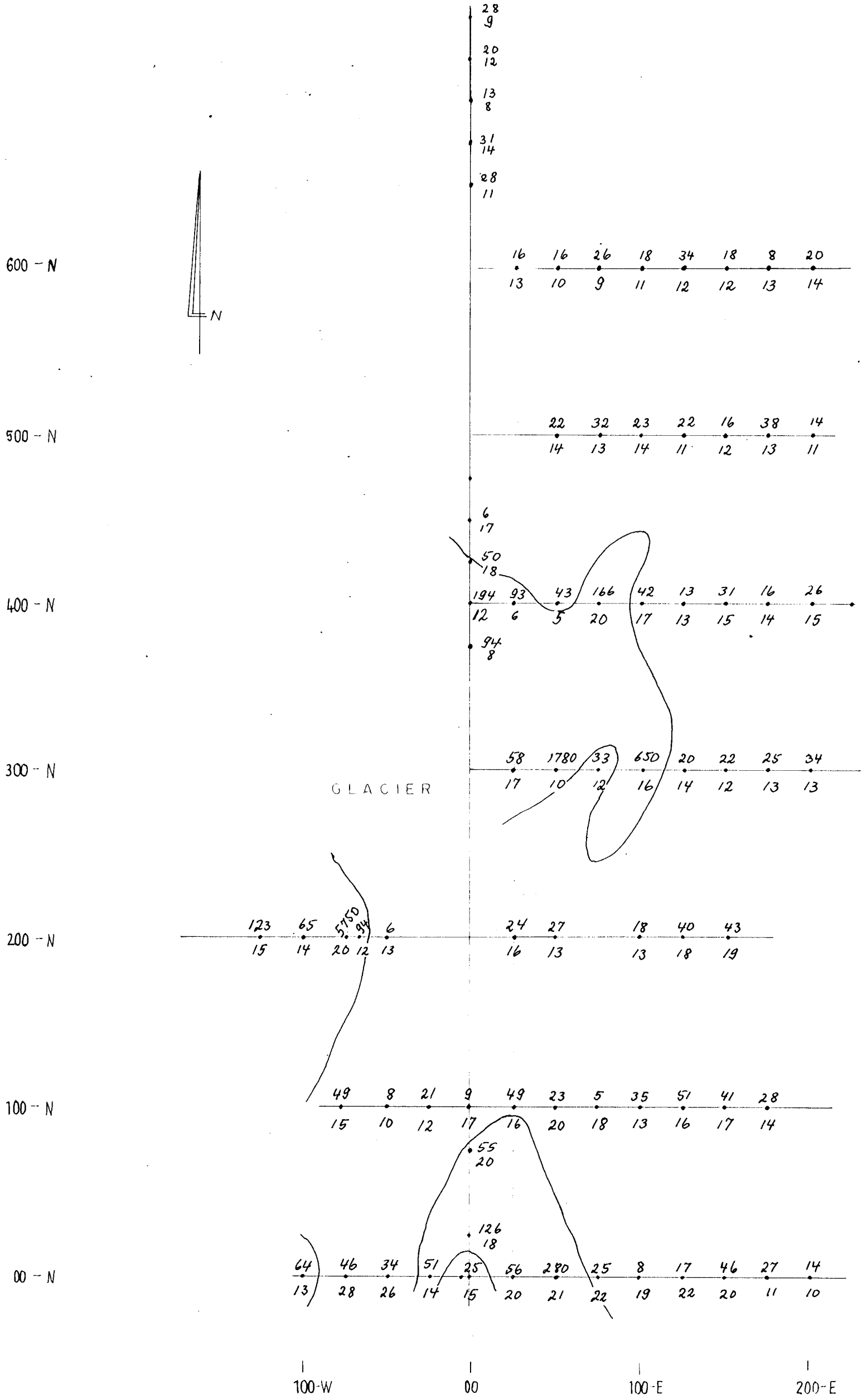
ROCK GEOCHEMISTRY:

Zn ppm
Ag ppm, contour @ 1 ppm Ag

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.E.	P.F.	1264	8



TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"A" GRID

ROCK GEOCHEMISTRY:

Cu ppm

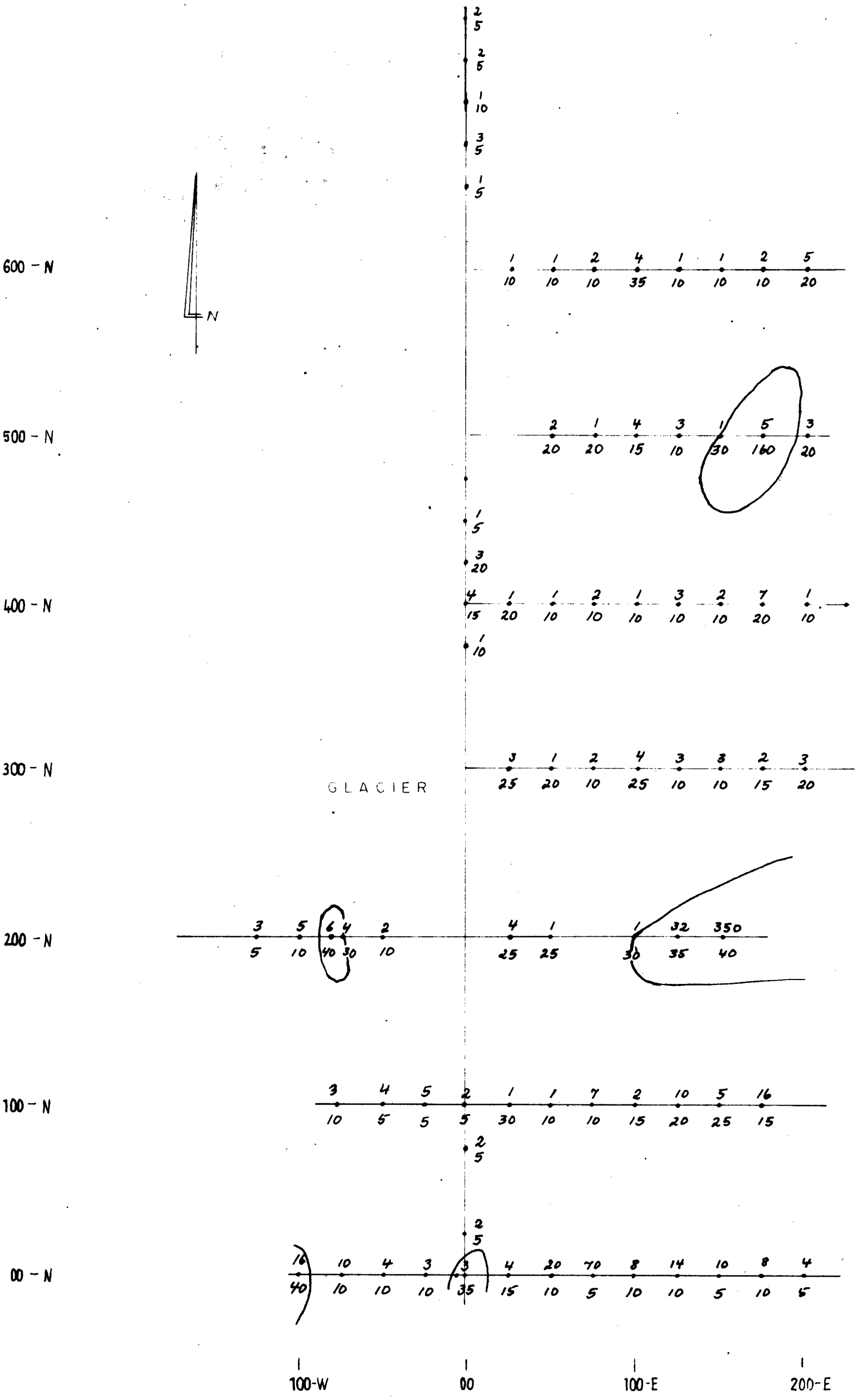
Pb ppm

contour @ 50 ppm Cu

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P.F.	1264	9



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"A" GRID

ROCK GEOCHEMISTRY:

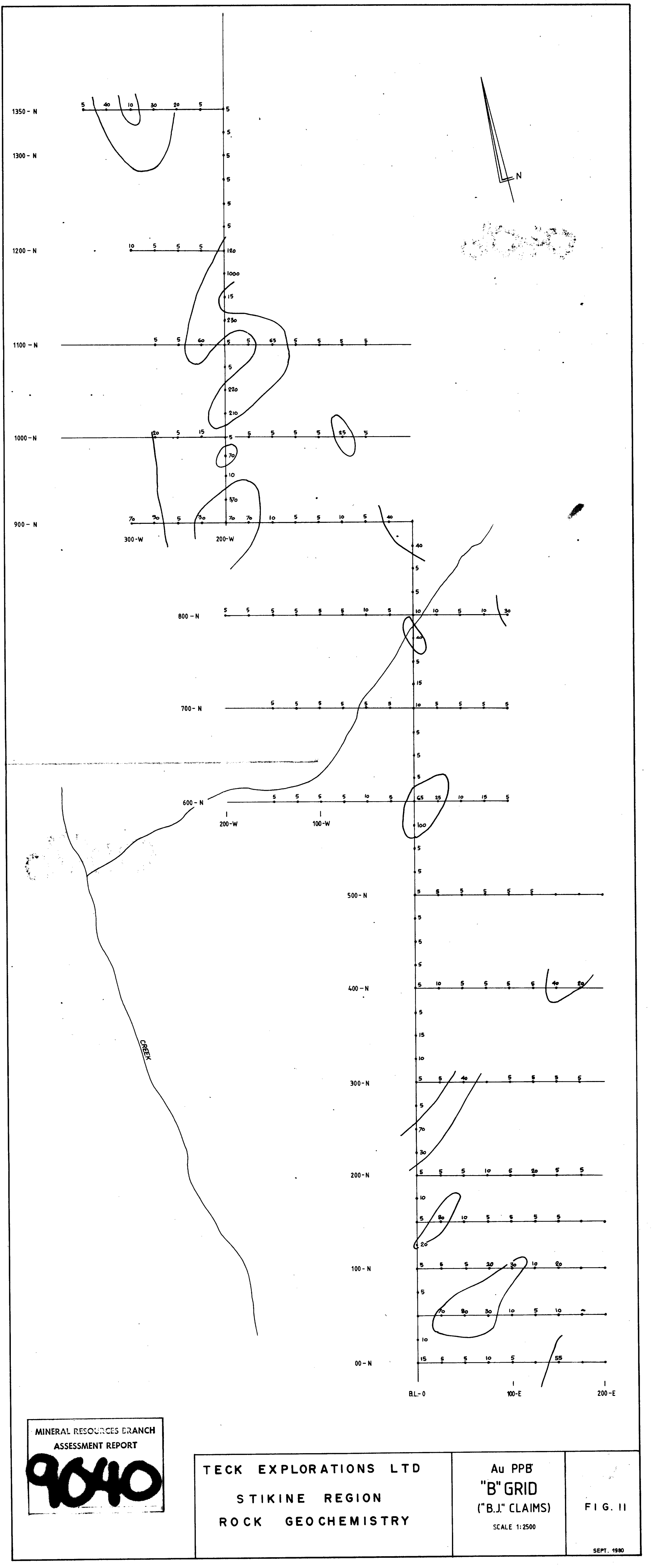
As ppm
Hg ppb

contour @ 30 ppb Hg

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P.F.	1264	10



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040

TECK EXPLORATIONS LTD

STIKINE REGION

ROCK GEOCHEMISTRY

Au PPB

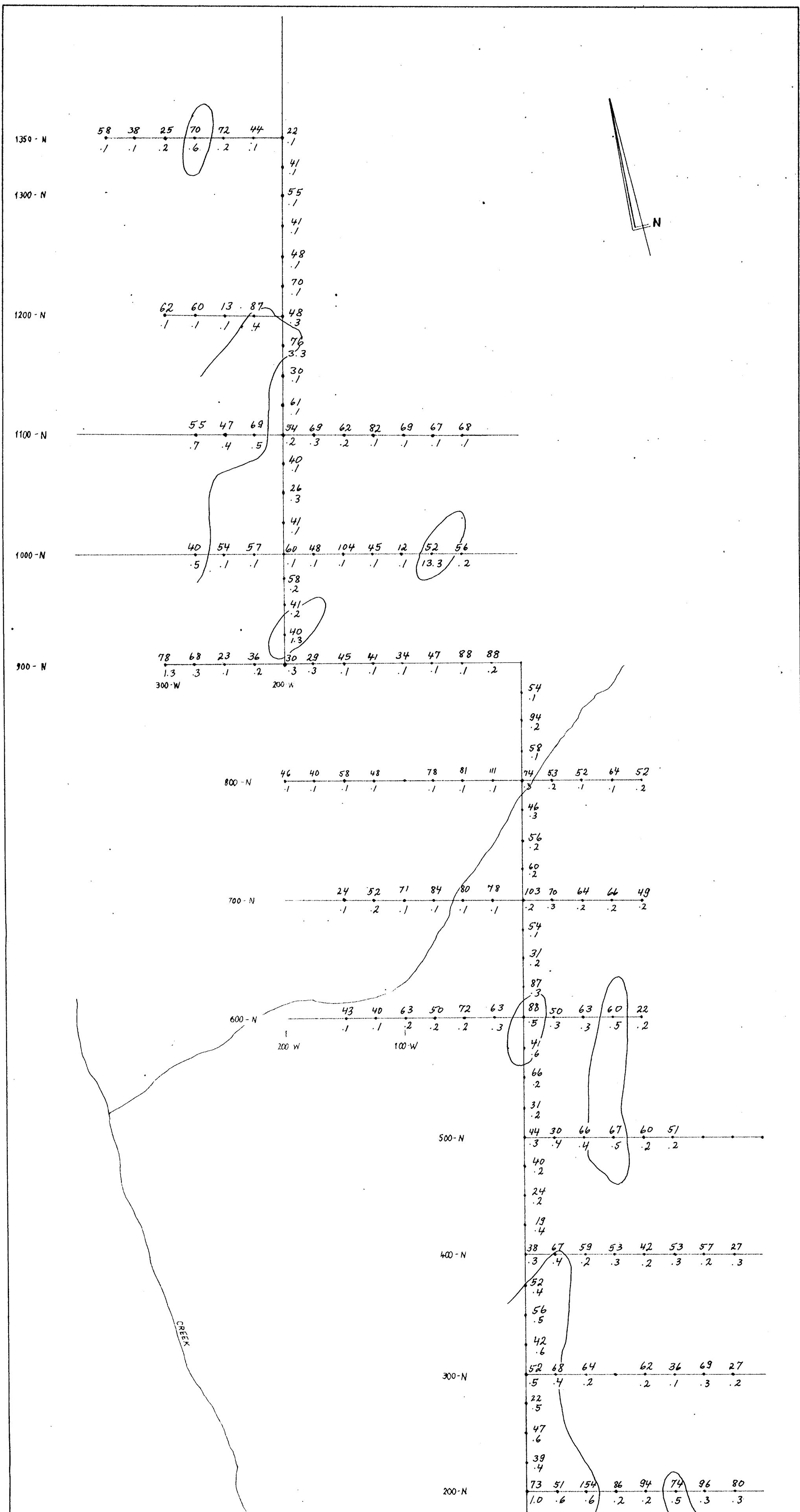
"B" GRID

("B.J." CLAIMS)

SCALE 1:2500

FIG. 11

SEPT. 1980



TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"B" GRID

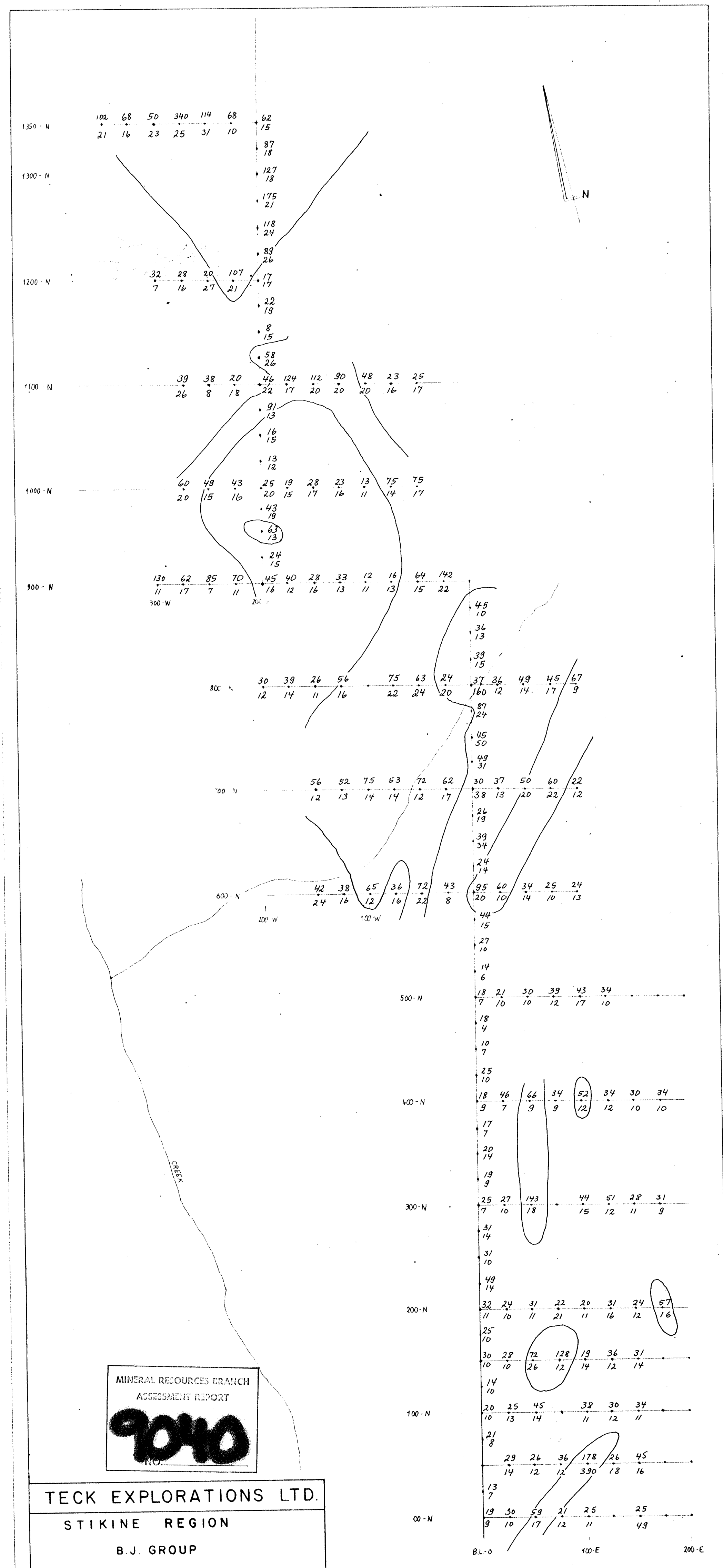
ROCK GEOCHEMISTRY:

Zn ppm
Ag ppm contour @ .4 ppm Ag

SCALE 1:2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG. NO:
M.F.	P.F.	1264	12



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"B" GRID

ROCK GEOCHEMISTRY:

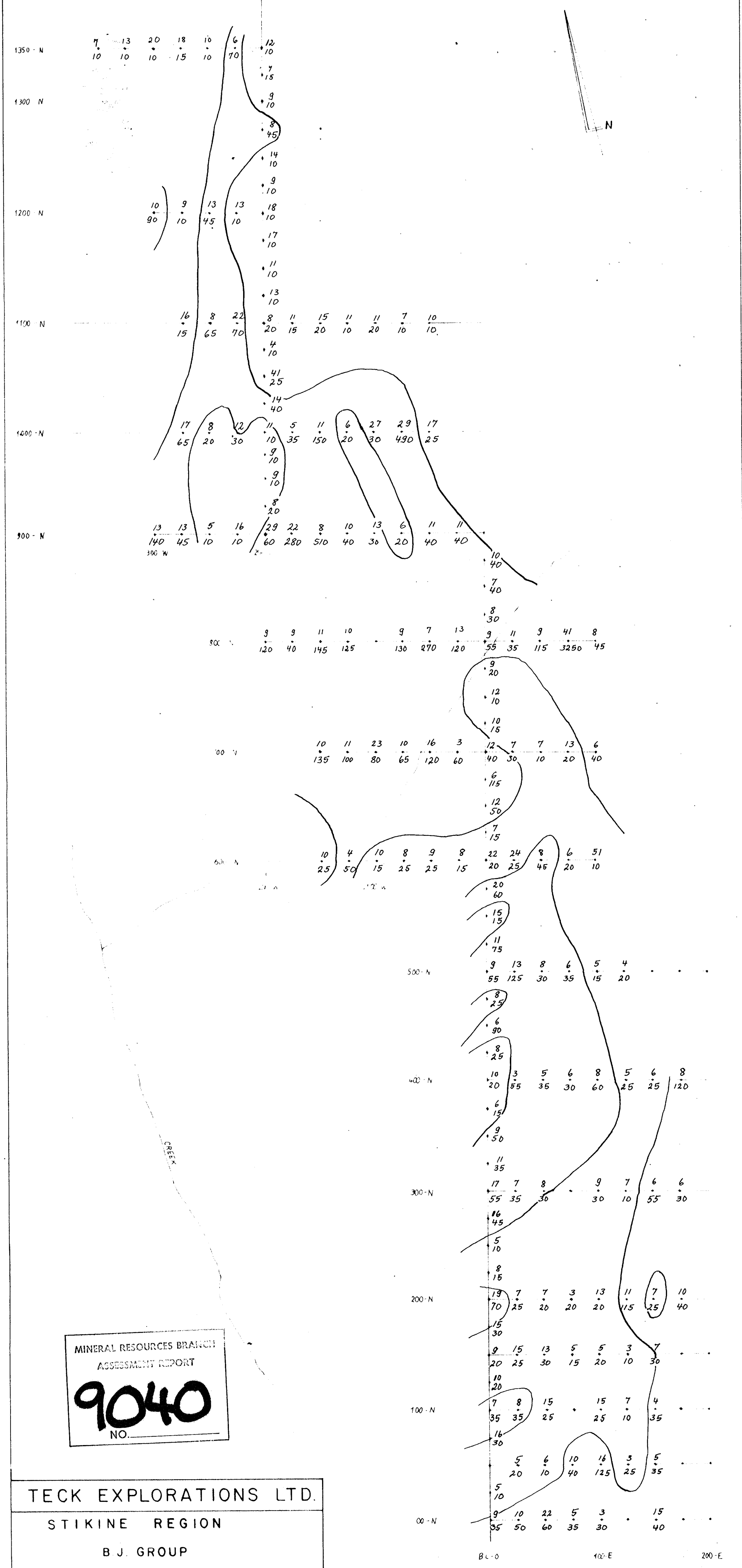
Cu ppm
Pb ppm

contour @ 50 ppm Cu

SCALE 1: 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG. NO:
M.F.	P.F.	1264	13



TECK EXPLORATIONS LTD.

STIKINE REGION

B J. GROUP

"B" GRID

ROCK GEOCHEMISTRY:

As ppm
Hg ppb contour @ 30 ppb Hg

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO
M. F.	P. F.	1264	14

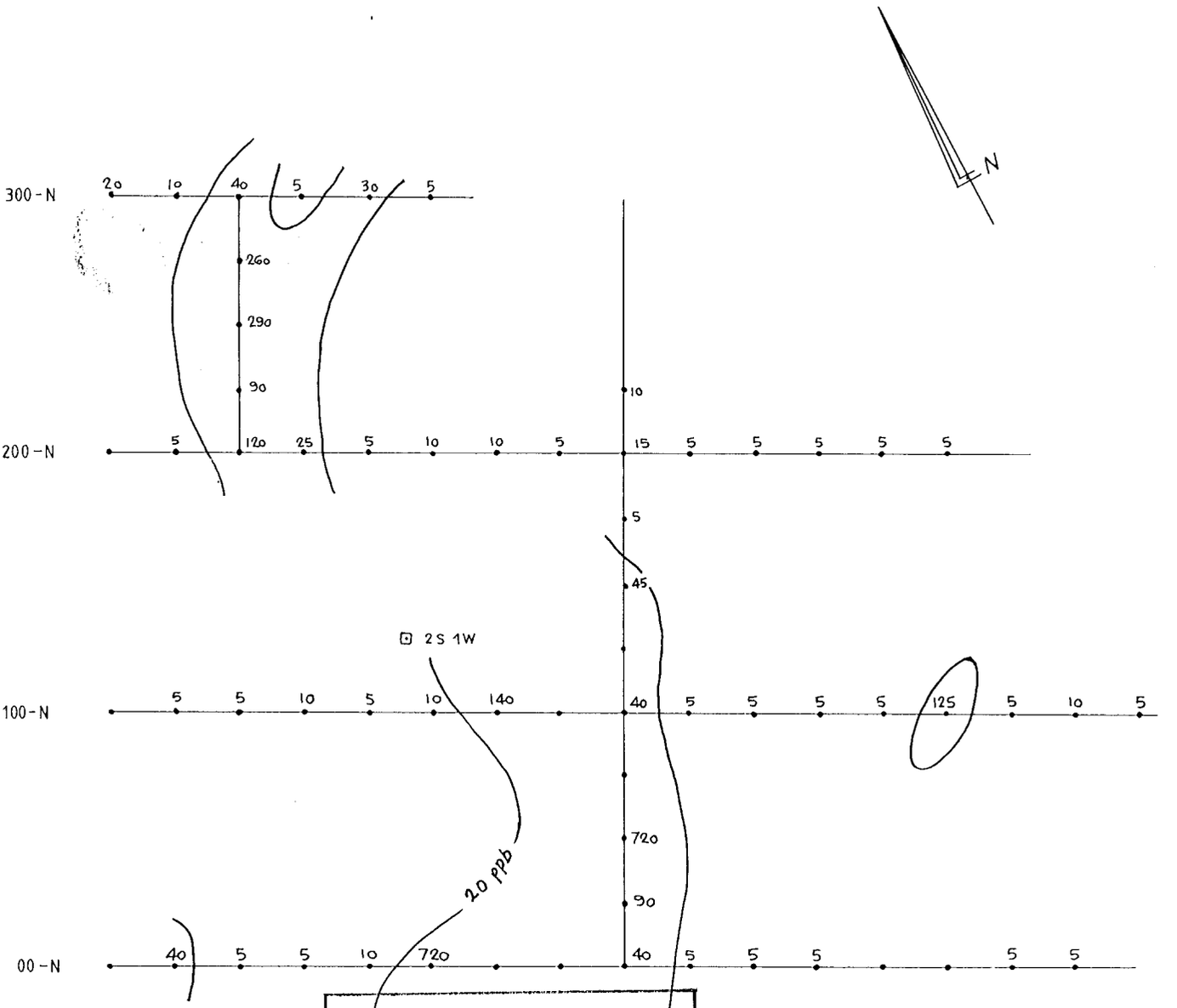


FIG. 15

TECK EXPLORATIONS LTD

STIKINE REGION

ROCK GEOCHEMISTRY

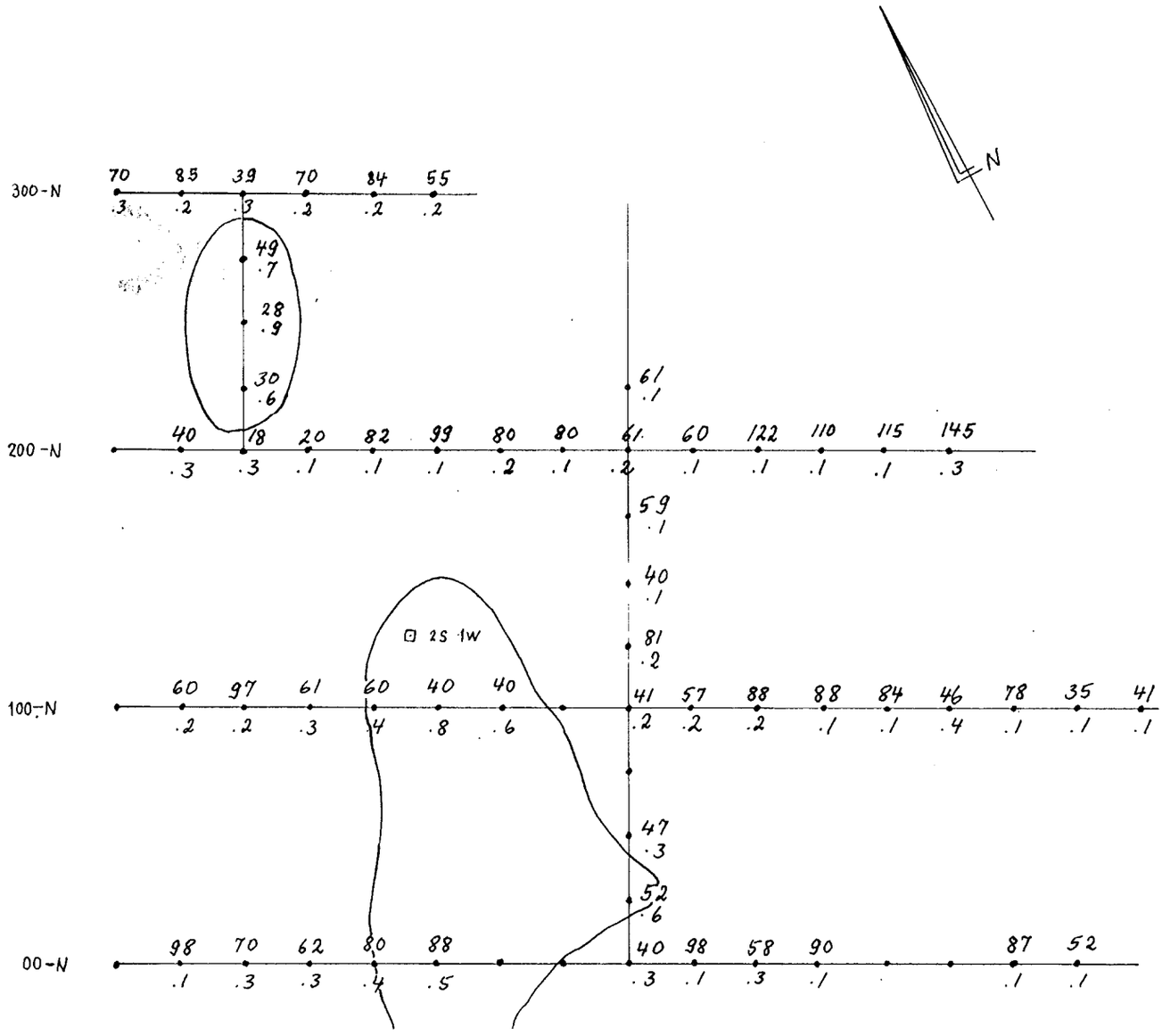
Au PPB

"C" GRID

("B.J." CLAIMS)

SCALE 1:2500

SEPT. 1980



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"C" GRID

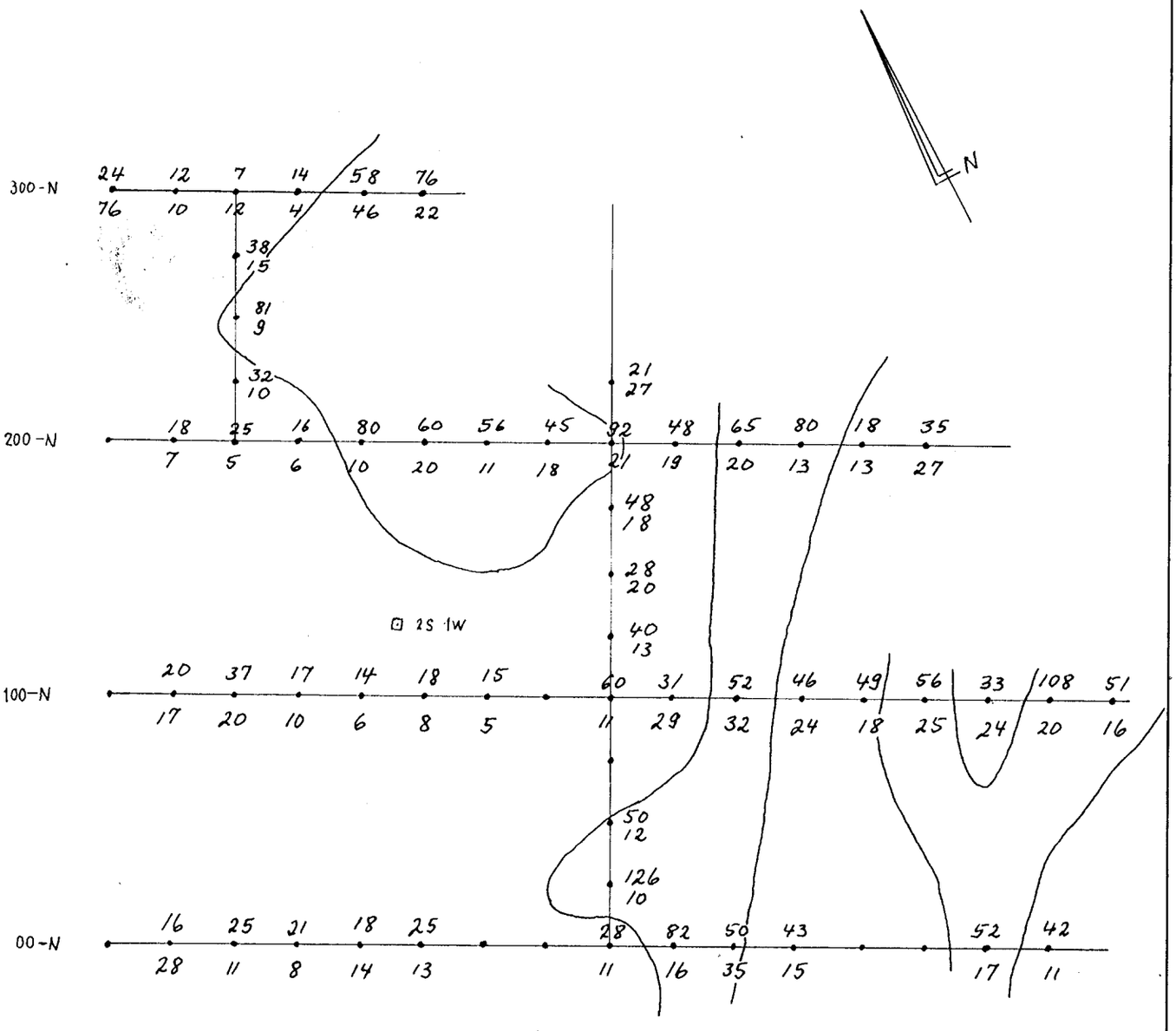
ROCK GEOCHEMISTRY:

Zn / Ag ppm, contour @ 4 ppm Ag

SCALE 1:2 500

0 25 50 75 100 125 150 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P. F.	1264	16



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"C" GRID

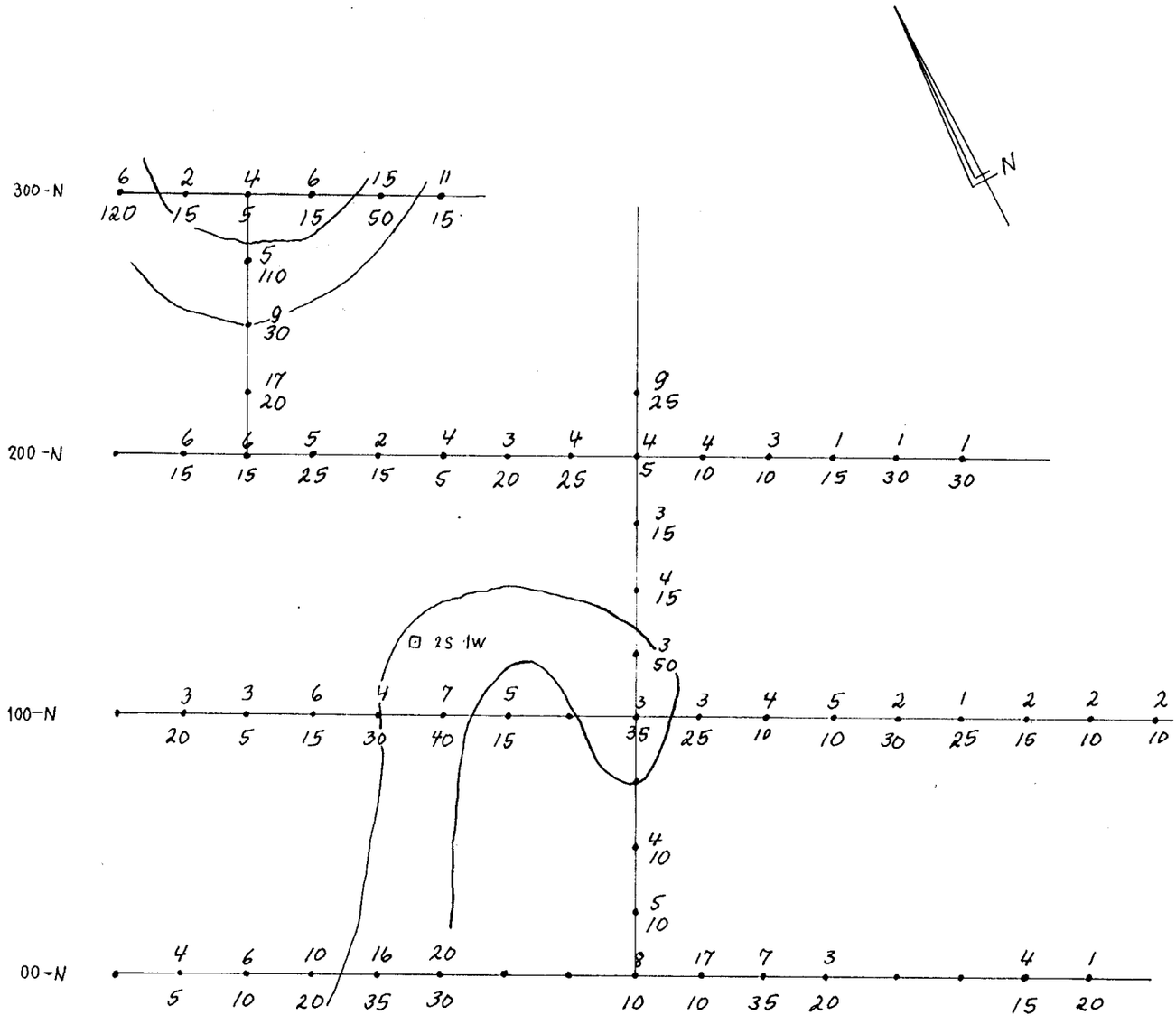
ROCK GEOCHEMISTRY:

· Cu / Pb ppm, contour @ 50 ppm Cu

SCALE 1 : 2 500

0 25 50 75 100 125 150 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P. F.	1264	17



MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9840
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"C" GRID

ROCK GEOCHEMISTRY:

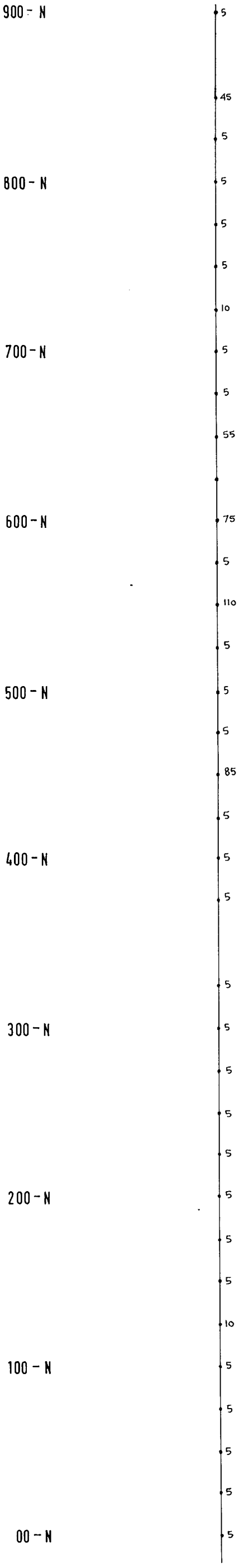
As ppm
Hg ppb

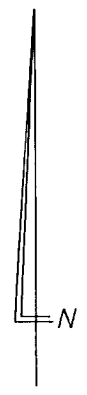
contour @ 30 ppb Hg

SCALE 1 : 2 500

0 25 50 75 100 125 150 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P. F.	1264	18





TECK EXPLORATIONS LTD

STIKINE REGION

ROCK GEOCHEMISTRY

Au PPB

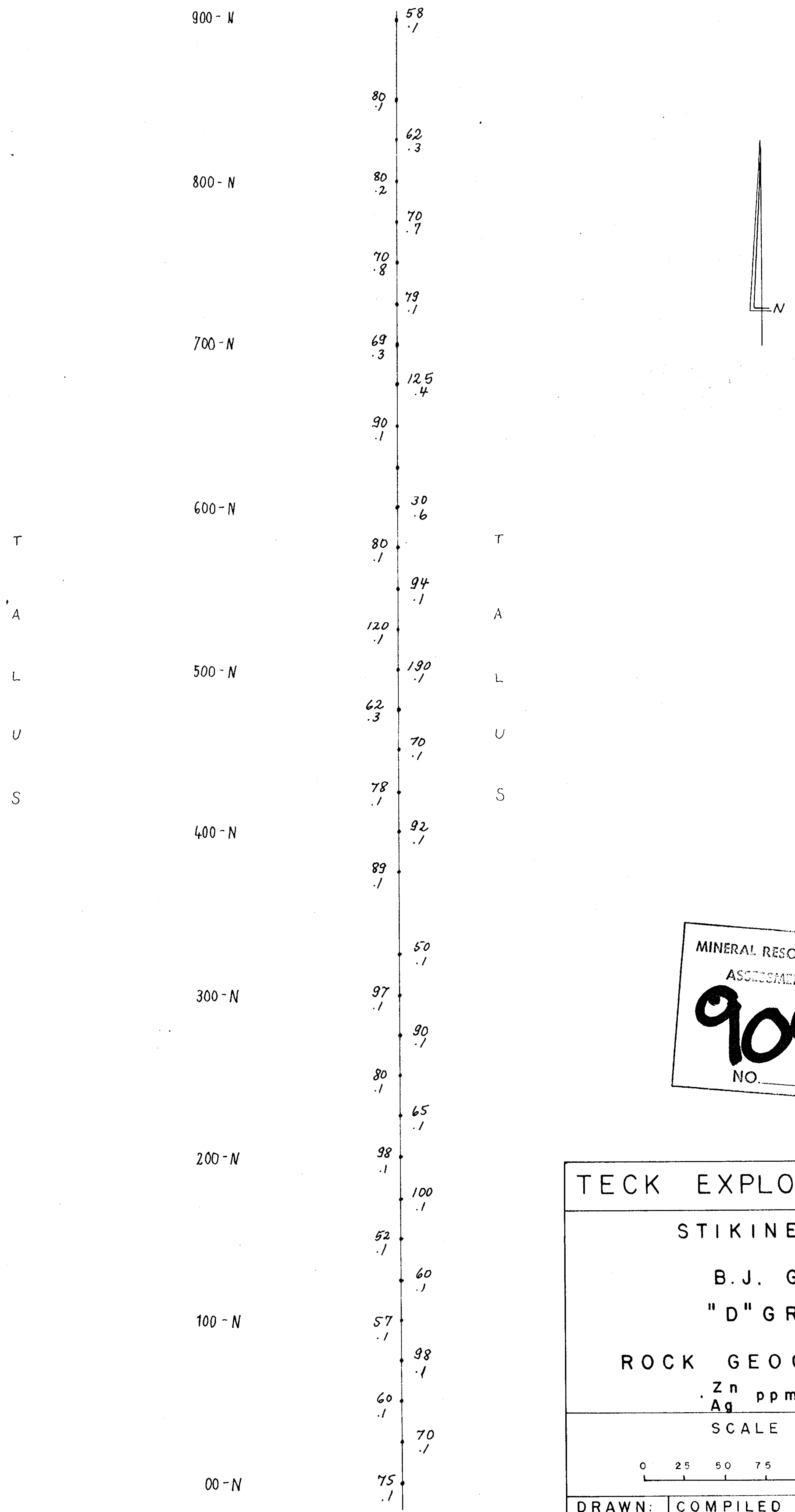
"D" GRID

(B.J. CLAIMS)

SCALE 1:2500

FIG. 19

SEPT. 1980



TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"D" GRID

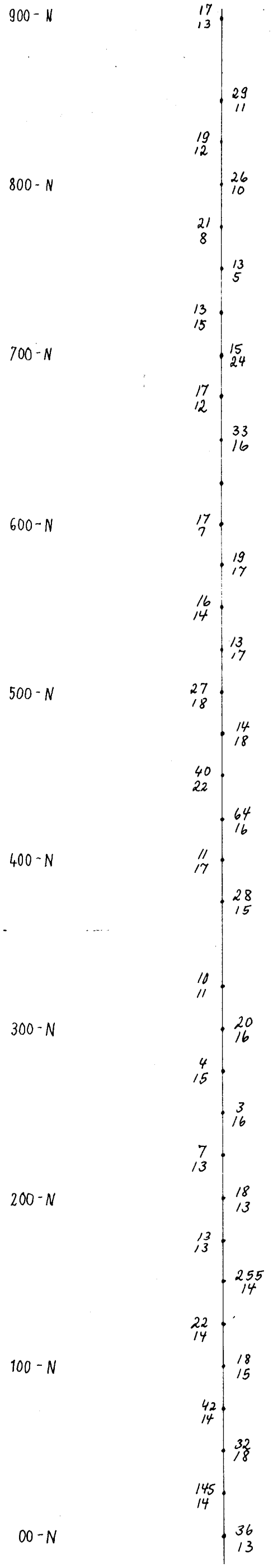
ROCK GEOCHEMISTRY:

. Zn / Ag ppm

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P. F.	1264	20



T A L U S

N

MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
9040
NO.

TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

"D" GRID

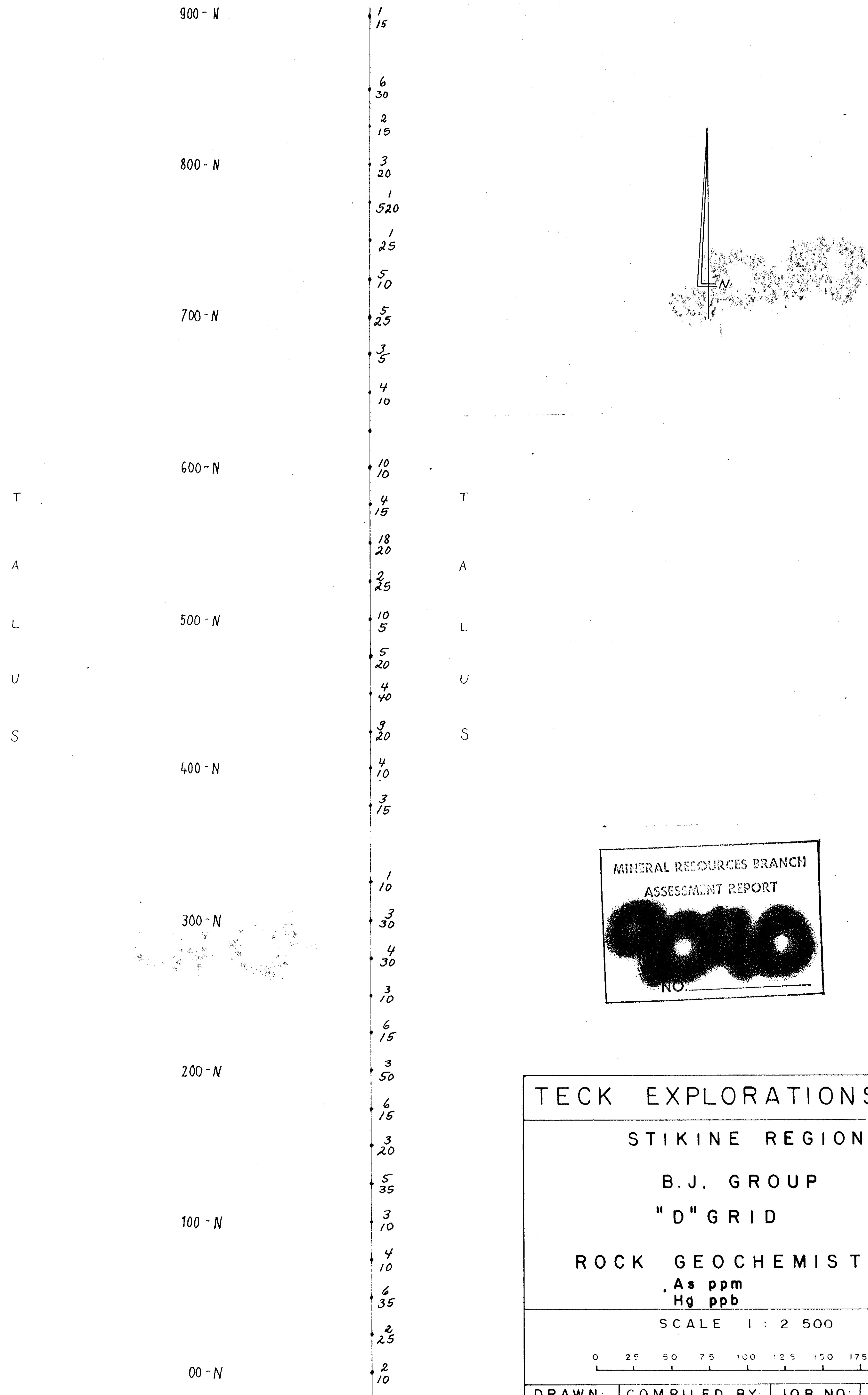
ROCK GEOCHEMISTRY:

Cu ppm
Pb ppm

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M.F.	P. F.	1264	21



TECK EXPLORATIONS LTD.

STIKINE REGION

B.J. GROUP

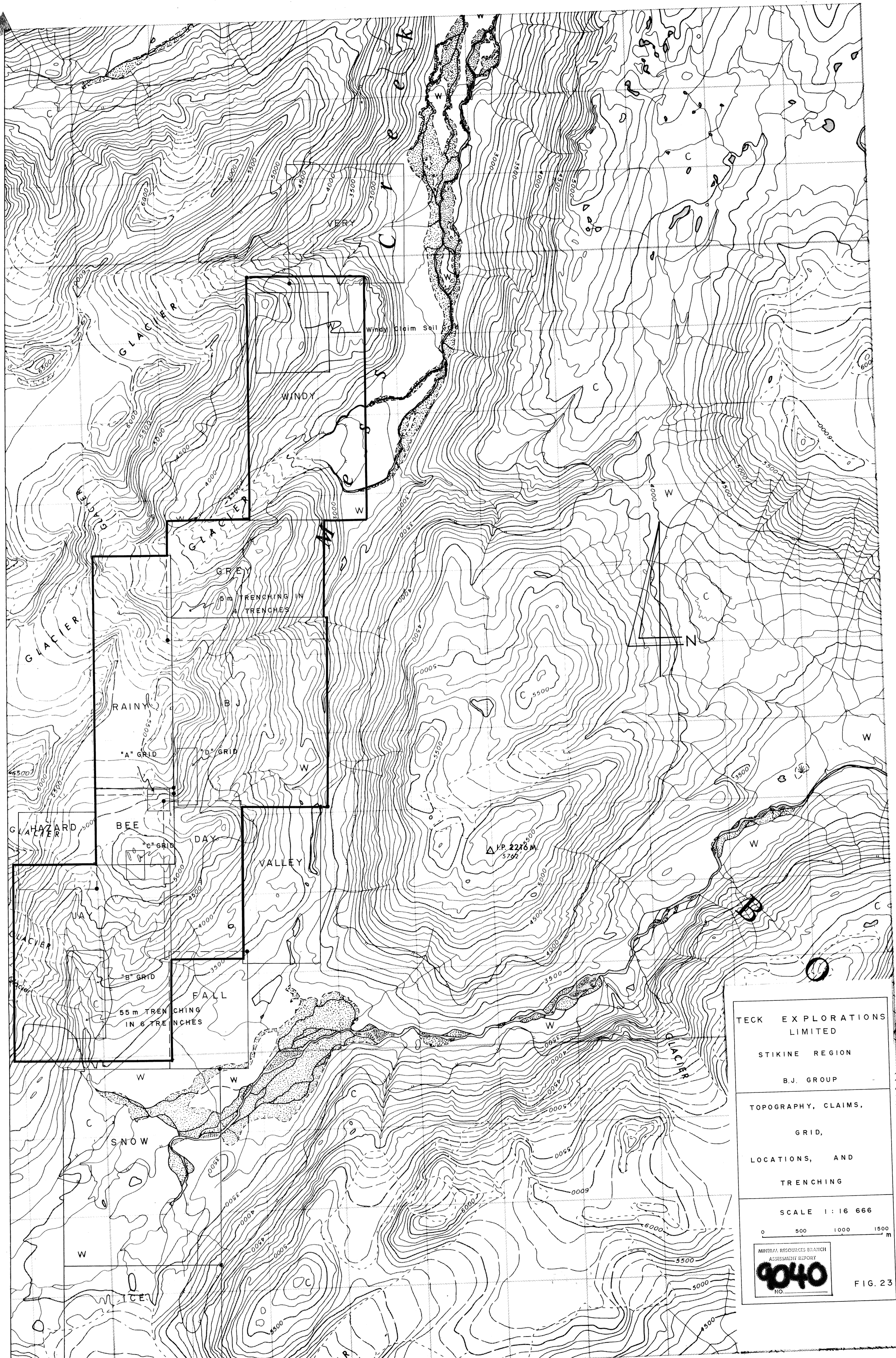
"D" GRID

ROCK GEOCHEMISTRY:
As ppm
Hg ppb

SCALE 1 : 2 500

0 25 50 75 100 125 150 175 200 m

DRAWN:	COMPILED BY:	JOB NO:	DWG NO:
M. F.	P. F.	1264	22


Creek
VERY
WINDY
GLACIER
Windy Claim Soil Grid
GREY
5m TRENCHING IN
4 TRENCHES
RAINY
"A" GRID
"D" GRID
BEE
"C" GRID
DAY
VALLEY
HAZARD
GLACIER
JAY
GLACIER
"B" GRID
55m TRENCHING
IN 6 TRENCHES
FALL
SNOW
ICE
I.P. 2210 M.
5762
N
TECK EXPLORATIONS LIMITED
STIKINE REGION
B.J. GROUP
TOPOGRAPHY, CLAIMS, GRID, LOCATIONS, AND TRENCHING
SCALE 1 : 16 666
0 500 1000 1500 m
MINERAL RESOURCES BRANCH
ASSESSMENT REPORT
NO. 9040
FIG. 23