87-446-16165

GEOLOGICAL AND GEOCHEMICAL

ASSESSMENT REPORT ON THE

VG-1, VG-2, VG-3 AND VAL CLAIMS

4/88

SAN JUAN RIVER AREA,
VICTORIA MINING DIVISION

Latitude 48°33'~~00"~~ 36"
Longitude 123°~~52'00"~~ 56'54"
NTS 92B/12W

FILMED

FOR

Owner/Operator: EXPEDITOR RESOURCE GROUP LTD.
1500 - 609 Granville St.
Vancouver, B.C.
V7Y 1G5

BY

Robert R. Arnold, M.Sc., P.Geol., FGAC
HI-TEC RESOURCE MANAGEMENT LTD.
1500-609 Granville St.
Vancouver, B.C.
V7Y 1G5

June 20, 1987

16,165
GEOLOGICAL BRANCH
ASSESSMENT REPORT

HI-TEC
RESOURCE
MANAGEMENT
LIMITED

TABLE OF CONTENTS

LIST OF APPENDICES

LIST OF FIGURES

SUMMARY

Pursuant to a request by the directors of Expeditor Resource Group Ltd., a geological examination and a geochemical sampling program were carried out on the VG and VAL mineral claims. The writer researched the literature pertaining to the area and examined the property during April 2 to 8, 1987.

The property is located approximately 40 km northwest of Victoria, British Columbia, in the San Juan River area. The Duncan-Port Renfrew road and a network of logging roads provide access to the central property area.

Placer gold was first discovered in the southern Vancouver Island area in the 1860's and recent exploration in the Jordan River and Valentine Creek areas showed that placer gold was related to gold bearing quartz veins occurring within the metasediments of Valentine Mountain, on the Beau-Pre property. In 1984, a total of 85 gold bearing veins had been reported on the Beau-Pre property which is located just south of the VG-1 to VG-3 and VAL claims.

The geology underlying the property consists mainly of a metasedimentary rocks package of phyllite, schist, gneiss and sandstone. Greenschist, occasionally cut by small intrusive sills, occurs on the property as wide bands within the metasediments.

The geochemical sampling program, consisting of rock, soil and silt samples did not delineate any anomalous precious metal and/or base metal trend within the surveyed areas. Several isolated relatively weak gold anomalies were recorded in the soil and rock samples, as well as isolated arsenic, copper and zinc anomalous values.

Although the property lies within a favourable geological environment, exploration results to date are not very encouraging. In order to fully evaluate the mineral potential of the claims, additional exploration work consisting of geochemical sampling, geological mapping and prospecting is warranted in the areas not covered by the previous surveys.

1.0 INTRODUCTION

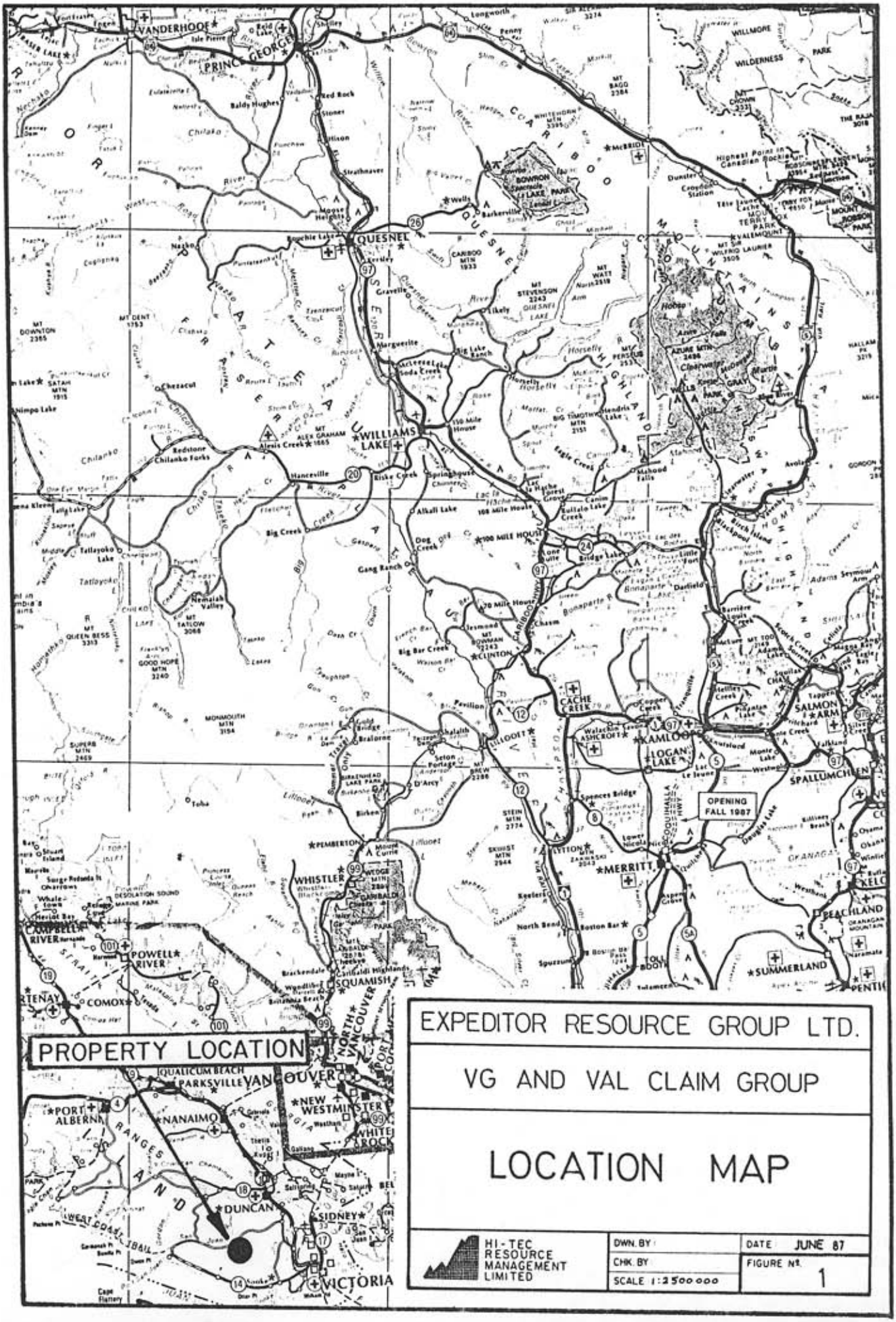
1.1 Objectives

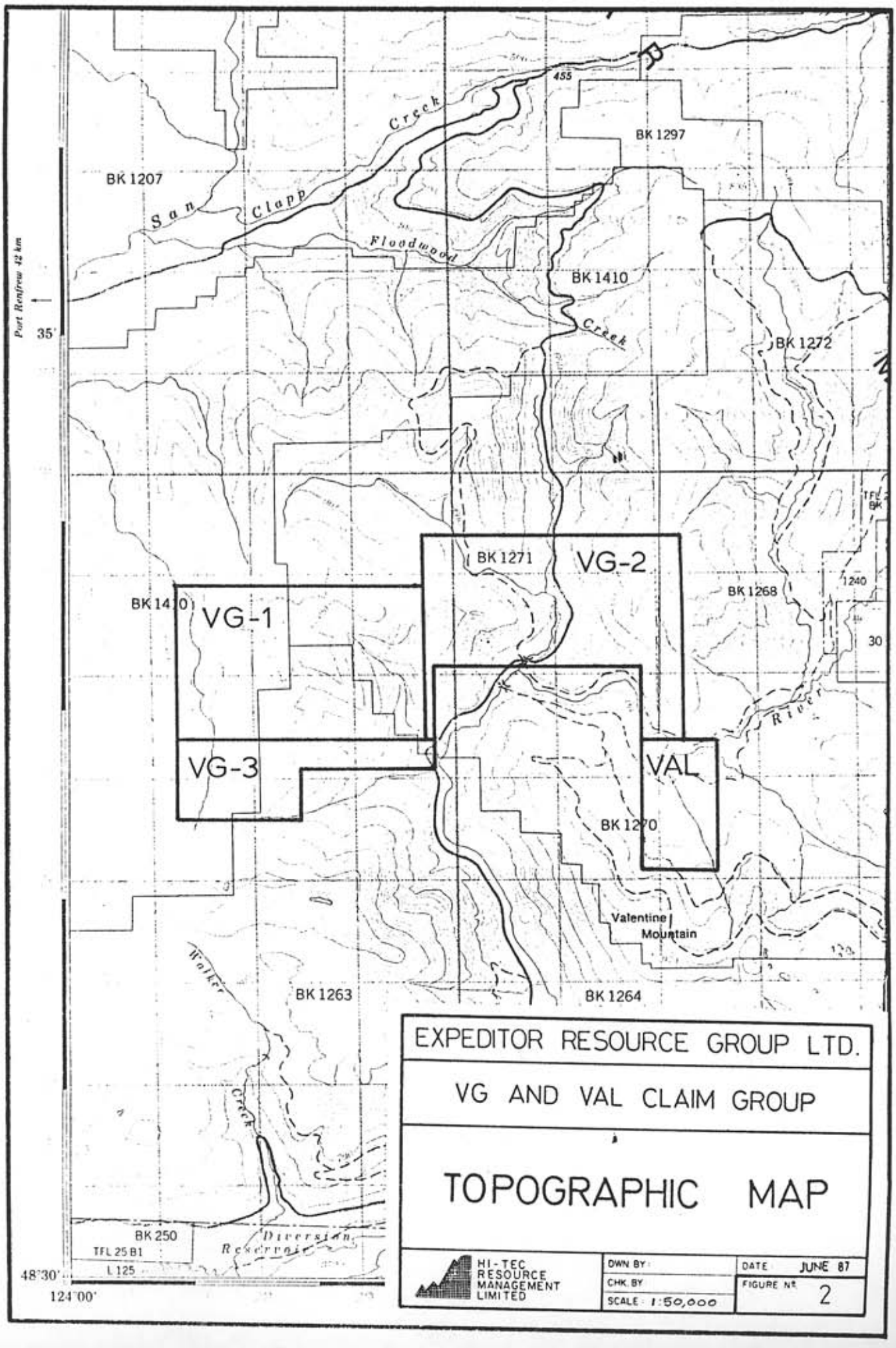
Pursuant to a request by the directors of Expeditor Resource Group Ltd., a limited geological examination and a limited geochemical sampling survey were carried out on the VG claim group by Hi-Tec Resource Management Ltd. during April 1987. The purpose of the 1987 exploration program was to test the precious metal and/or base metal potential of selected areas of the property. This report is based on the results of the present surveys, on the 1984 and 1985 surveys and on the available literature pertaining to the area.

1.2 Location and Access

Province:	British Columbia
Area:	San Juan River
Mining Division:	Victoria
Claim Name:	VG-1, VG-2, V-3 and VAL
NTS:	92-B/12
Longitude:	123°57'00" West
Latitude:	48°33'00" North
Size of Area:	943.75 Hectares (2332 Acres)
Disposition Holders:	Expeditor Resource Group Ltd.

The VG-1 to VG-3 and VAL mineral claims are located approximately 40 kilometers northwest of Victoria, British Columbia, immediately south of the San Juan River. The property is accessed by 4 wheel-drive vehicle from the town of Duncan, British Columbia, along the Port Renfrew road and then along a network of well maintained gravel logging roads. The total road distance from Duncan to the central claim group area is about 50 kilometers (31 miles).


PROPERTY LOCATION
EXPEDITOR RESOURCE GROUP LTD.
VG AND VAL CLAIM GROUP
LOCATION MAP
HI-TEC RESOURCE MANAGEMENT LIMITED
DWN. BY:
CHK. BY:
SCALE 1:2500000
DATE JUNE 87
FIGURE No. 1
OPENING FALL 1987
VANDERHOOF
PRINCE GEORGE
QUESNEL
WILLIAMS LAKE
100 MILE HOUSE
CLINTON
CACHE CREEK
KAMLOOPS
MERRITT
LILLOOET
PEMBERTON
WHISTLER
SQUAMISH
VANCOUVER
NORTH VANCOUVER
NEW WESTMINSTER
WHITE ROCK
POWELL RIVER
COMOX
CAMPBELL RIVER
PORT ALBERNI
NANAIMO
PARKSVILLE
QUALICUM BEACH
DUNCAN
SIDNEY
VICTORIA
SUMMERLAND
PENTICTON
SALMON ARM
SPALLUMCHEEN
BEACHLAND
OKANAGAN
LOGAN LAKE
ASHCROFT
SPENCES BRIDGE
LYTTON
BOSTON BAR
NORTH BEND
TOLL BOOTH
QUESNEL RIVER
FRASER PLATEAU
FRASER RIVER
CARIBOO MOUNTAINS
MONASHEE MOUNTAINS
THOMPSON PLATEAU
OKANAGAN HIGHLAND
COAST MOUNTAINS
GEORGIA STRAIT
VANCOUVER ISLAND
WEST COAST TRAIL
GARIBALDI PARK
MOUNT ROBSON PARK
WELLS GRAY PARK
WILLMORE WILDERNESS PARK
BOWRON LAKE PARK
MOUNT TERRY FOX PARK
DESOLATION SOUND MARINE PARK
GOOD HOPE MTN 3240
MONMOUTH MTN 3194
MT TATLOW 3068
MT QUEEN BESS 3393
MT DENT 3153
MT DOWNTON 2385
SATAH MTN 1915
MT ALEX GRAHAM 1885
MT STEVENSON 3243
MT WATT 2918
MT PERSEUS 2533
MT SIR WILFRID LAURIER 3509
MT ROBSON 3954
MT BAGG 2384
MT CROWN 3331
THE RAMPART 3018
WHITEHORN MTN 3395
CARIBOO MTN 1933
BIG TIMOTHY MTN 2151
AZURE MTN 2486
MT BOWMAN 2243
MT BREW 2286
STEIN MTN 2774
SKUIST MTN 2944
ZAMESKI 2042
SUPERB MTN 2469
MT BALDY 2315
WEDGE MTN 2884
Quesnel Lake
Williston Lake
Nechako Reservoir
Fraser Lake
Stuart Lake
Babine Lake
Takla Lake
Tatlayoko Lake
Nimpo Lake
Alkali Lake
Dog Creek
Big Creek
Gang Ranch
Hanceville
Riske Creek
Chezacut
Redstone
Chilanko Forks
Alexis Creek
Soda Creek
Likely
Horsefly
Barkerville
Wells
Hixon
Prince George
Mackenzie
Vanderhoof
Fraser Lake
Endako
Fort St. James
Stuart Island
Quadra Island
Texada Island
Gabriola Island
Saltspring Island
Mayne Island
Pender Islands
Cape Flattery
Port Hardy
Alert Bay
Campbell River
Courtenay
Duncan
Nanaimo
Parksville
Qualicum Beach
Port Alberni
Sidney
Victoria
Whistler
Squamish
Pemberton
Lillooet
Merritt
Kamloops
Salmon Arm
Vernon
Penticton
Summerland
Kelowna
Spallumcheen
Beachland
Okanagan
Logan Lake
Ashcroft
Spences Bridge
Lytton
Boston Bar
North Bend
Toll Booth
Quesnel River
Fraser Plateau
Fraser River
Cariboo Mountains
Monashee Mountains
Thompson Plateau
Okanagan Highland
Coast Mountains
Georgia Strait
Vancouver Island
West Coast Trail
Garibaldi Park
Mount Robson Park
Wells Gray Park
Willmore Wilderness Park
Bowron Lake Park
Mount Terry Fox Park
Desolation Sound Marine Park
Good Hope Mtn 3240
Monmouth Mtn 3194
Mt Tatlow 3068
Mt Queen Bess 3393
Mt Dent 3153
Mt Downton 2385
Satah Mtn 1915
Mt Alex Graham 1885
Mt Stevenson 3243
Mt Watt 2918
Mt Perseus 2533
Mt Sir Wilfrid Laurier 3509
Mt Robson 3954
Mt Bagg 2384
Mt Crown 3331
The Rampart 3018
Whitehorn Mtn 3395
Cariboo Mtn 1933
Big Timothy Mtn 2151
Azure Mtn 2486
Mt Bowman 2243
Mt Brew 2286
Stein Mtn 2774
Skuist Mtn 2944
Zameski 2042
Superb Mtn 2469
Mt Baldy 2315
Wedge Mtn 2884
Quesnel Lake
Williston Lake
Nechako Reservoir
Fraser Lake
Stuart Lake
Babine Lake
Takla Lake
Tatlayoko Lake
Nimpo Lake
Alkali Lake
Dog Creek
Big Creek
Gang Ranch
Hanceville
Riske Creek
Chezacut
Redstone
Chilanko Forks
Alexis Creek
Soda Creek
Likely
Horsefly
Barkerville
Wells
Hixon
Prince George
Mackenzie
Vanderhoof
Fraser Lake
Endako
Fort St. James
Stuart Island
Quadra Island
Texada Island
Gabriola Island
Saltspring Island
Mayne Island
Pender Islands
Cape Flattery
Port Hardy
Alert Bay
Campbell River
Courtenay
Duncan
Nanaimo
Parksville
Qualicum Beach
Port Alberni
Sidney
Victoria
Whistler
Squamish
Pemberton
Lillooet
Merritt
Kamloops
Salmon Arm
Vernon
Penticton
Summerland
Kelowna
Spallumcheen
Beachland
Okanagan
Logan Lake
Ashcroft
Spences Bridge
Lytton
Boston Bar
North Bend
Toll Booth
Quesnel River
Fraser Plateau
Fraser River
Cariboo Mountains
Monashee Mountains
Thompson Plateau
Okanagan Highland
Coast Mountains
Georgia Strait
Vancouver Island
West Coast Trail
Garibaldi Park
Mount Robson Park
Wells Gray Park
Willmore Wilderness Park
Bowron Lake Park
Mount Terry Fox Park
Desolation Sound Marine Park
Good Hope Mtn 3240
Monmouth Mtn 3194
Mt Tatlow 3068
Mt Queen Bess 3393
Mt Dent 3153
Mt Downton 2385
Satah Mtn 1915
Mt Alex Graham 1885
Mt Stevenson 3243
Mt Watt 2918
Mt Perseus 2533
Mt Sir Wilfrid Laurier 3509
Mt Robson 3954
Mt Bagg 2384
Mt Crown 3331
The Rampart 3018
Whitehorn Mtn 3395
Cariboo Mtn 1933
Big Timothy Mtn 2151
Azure Mtn 2486
Mt Bowman 2243
Mt Brew 2286
Stein Mtn 2774
Skuist Mtn 2944
Zameski 2042
Superb Mtn 2469
Mt Baldy 2315
Wedge Mtn 2884


Port Renfrew 42 km
35'
455
Creek
San
Clapp
Floodwood
BK 1207
BK 1297
BK 1410
Creek
BK 1272
BK 1271
VG-2
BK 1268
1240
30
BK 1410
VG-1
VG-3
VAL
River
BK 1270
Valentine
Mountain
Walker
BK 1263
BK 1264
Creek
BK 250
TFL 25 B1
L 125
Diversion
Reservoir
48°30'
124°00'
EXPEDITOR RESOURCE GROUP LTD.
VG AND VAL CLAIM GROUP
TOPOGRAPHIC MAP
HI-TEC
RESOURCE
MANAGEMENT
LIMITED
DWN BY:
CHK. BY
SCALE: 1:50,000
DATE: JUNE 87
FIGURE Nº 2

1.3 Property and Ownership

The property is recorded as follows:

Claim Name	Units	Record No.	Record Date
VG-1	15	841(4)	April 11, 1983
VG-2	20	842(4)	April 11, 1983
VG-3	10	843(4)	April 11, 1983
VAL	12	857(4)	April 11, 1983
Total	57 Units		

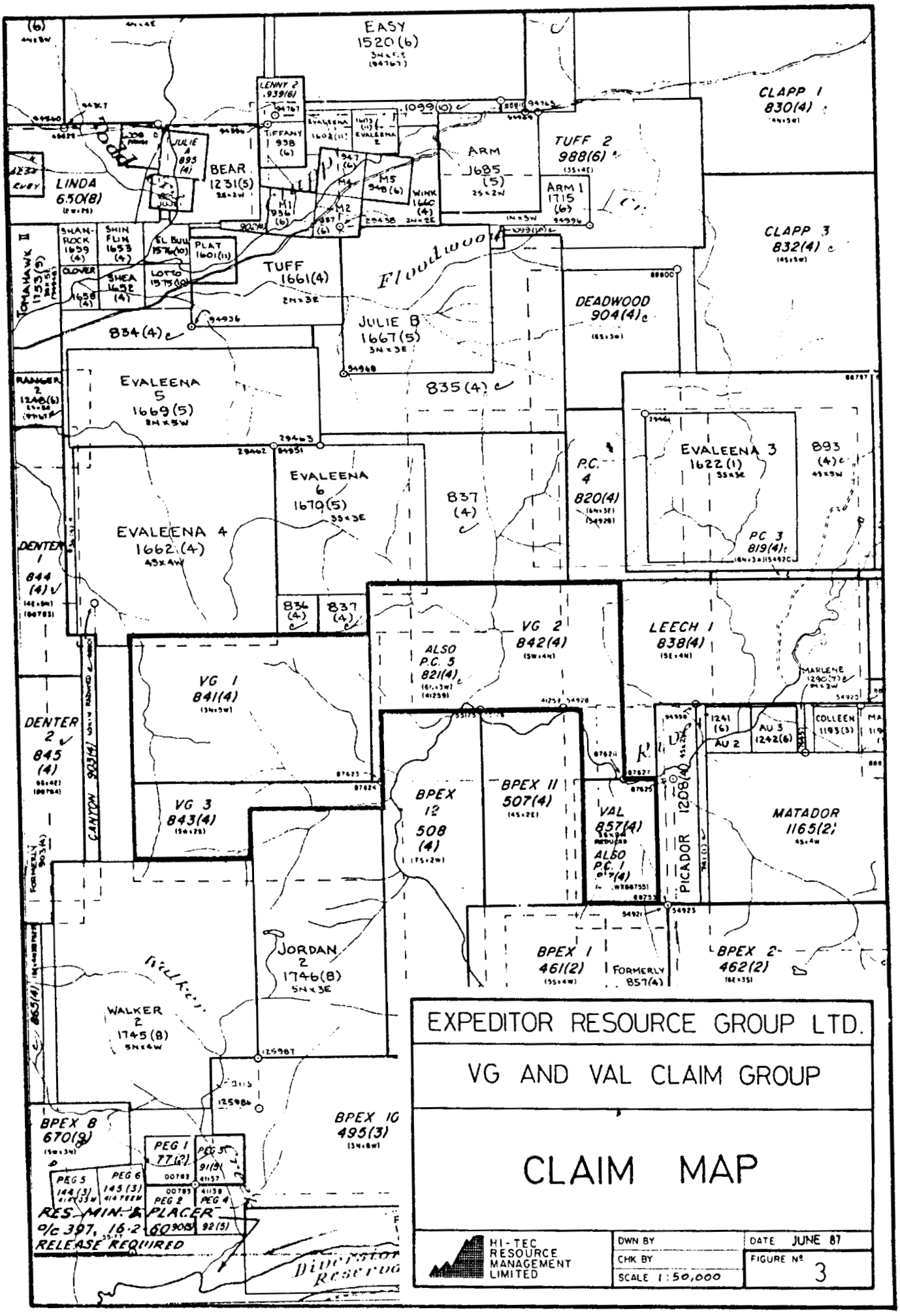
The VG claim group property consists of 4 contiguous claims totalling 57 units and all of the claims are 100% owned by Expeditor Resource Group Ltd.

1.4 Operations and Communications

The geological and geochemical programs were carried out during the period April 2, 1987 to April 8, 1987. The field crew was based in Duncan, British Columbia, and commuted daily to the property. Telephone communications were maintained with the office in Vancouver, British Columbia, on a regular basis. Transportation was provided by means of a 4 wheel-drive light truck and a pick-up truck rented respectively from Red Hawk in Vancouver and from Budget in Duncan.

1.5 Physiography

Local topographic relief varies from moderate to steep and elevation within the property ranges from 920 meters (3,020 feet) to 480 meters (1,575 feet) above sea level. Vegetation ranges from extremely heavy in second growth forest to light underbrush in areas of virgin timber. The principal forest trees are Douglas fir, cedar, hemlock and



EXPEDITOR RESOURCE GROUP LTD.

VG AND VAL CLAIM GROUP

CLAIM MAP

HI-TEC RESOURCE MANAGEMENT LIMITED	DWN BY	DATE JUNE 87
	CHK BY	FIGURE No. 3
	SCALE 1:50,000	

spruce. Underbrush consists of dense shrubs such as salal, salmon, huckleberry, alder and in poorly drained places, ferns and devils clubs.

Climate is generally mild and work can proceed for eight to ten months of the year. Stream flows are erratic, depending on the snow and rainfall which is generally heavy during the short winter. Active logging is currently being carried out on the property and on the surrounding areas.

2.0 HISTORY AND PREVIOUS WORK

Placer gold was first found in southern Vancouver Island on the Leech River in 1864. More recent placer gold has been recovered from several rivers and creeks that cut across the San Juan Ridge, in particular along portions of the San Juan, Jordan and Sooke rivers. Recent exploration in the Jordan River and Valentine Creek showed that placer gold in these locations was related to gold bearing quartz veins occurring within the metasedimentary rocks of Valentine Mountain.

Detail prospecting on the Beau-Pre property, located just south of the VG Group property, led to the discovery in 1976 of a narrow quartz vein with visible gold. In 1984, a total of 85 gold bearing veins were discovered on the Beau-Pre property and drilling has proven the continuity of these vein systems over a depth of at least 125 meters.

On the VG claims, reconnaissance exploration work to date consisted of an airborne geophysical survey, stream (sediments and heavy minerals) and soil sampling, prospecting and geological mapping. Several gold and arsenic anomalies were recorded, mainly in the stream sampling survey.

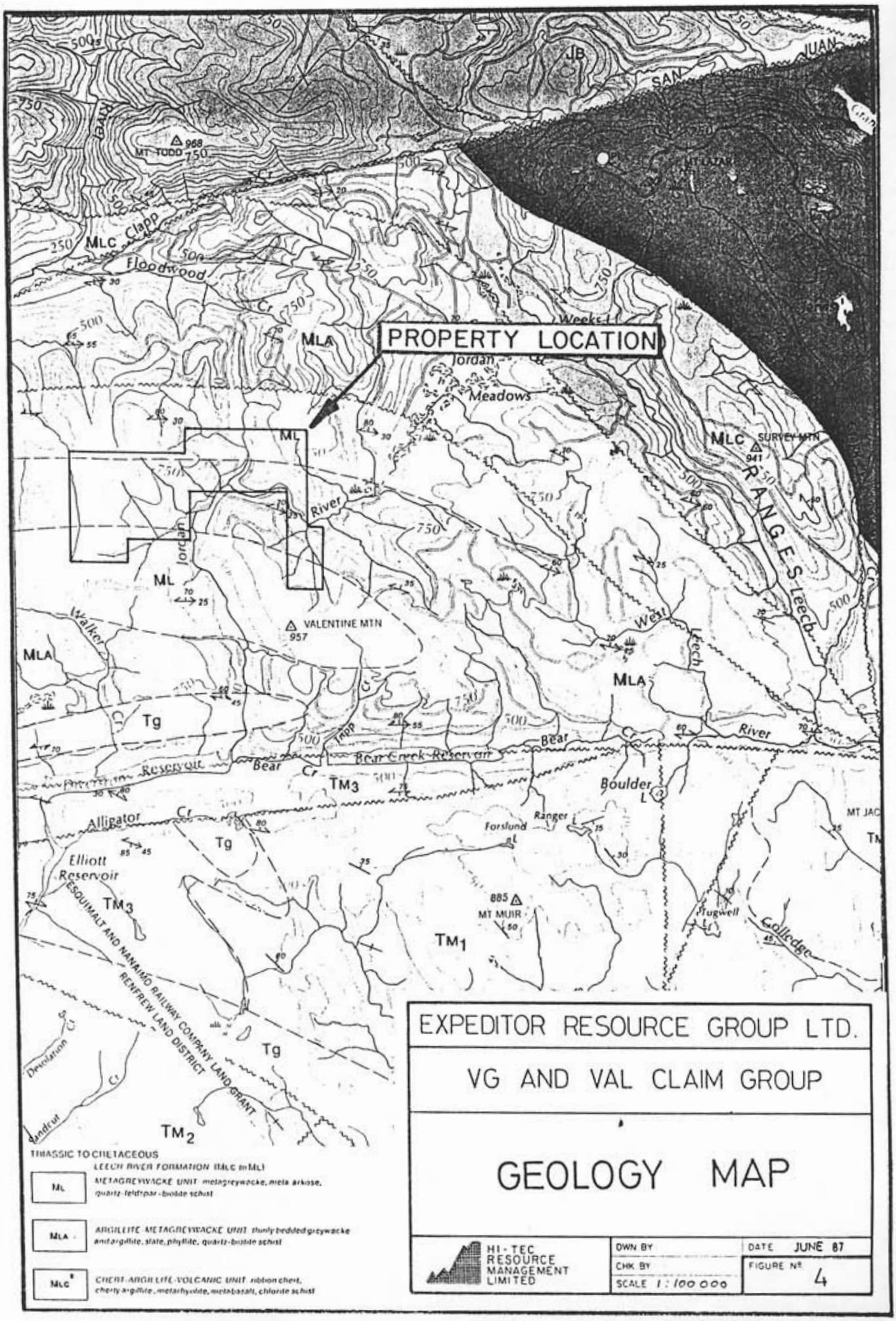
3.0 GEOLOGY

3.1 Regional Geology

The Leech River block is a geotectonic unit separated on its northern edge by the San Juan fault zone from the Lower Bonanza volcanics, and on its southern edge by the Leech River fault zone from the Eocene Metchosin Group volcanics. The Leech River Block consists of a narrow east-west trending crustal block extending from the west coast to the east cost of Vancouver Island. Regional metamorphism and deformation have taken place accompanied by the intrusion of dioritic sills. Rocks consist mainly of metamorphosed pelitic rocks, sandstones, minor cherts and volcanics. Faulting and cataclastis deformation of the Eocene intrusive rocks as well as the associated pegmatites and gold quartz vein systems represent the latest significant geological event in the Leech River Block.

3.2 Mineralization

In the VG claim group area, information on occurrence and controls of gold mineralization comes mainly from the geological studies made at Valentine Mountain, on the Beau Pre property. It appears that free gold occurs in a multitude of quartz veins in several areas. Detailed geology/petrography studies have shown that the gold mineralization is localized in late fracture controlled quartz veins in both the hanging wall and footwall portions of amphibolites showing high temperature mineral assemblages (tourmaline, hornblende, calcite, biotite-magnetite-epidote). The correlation of structural, metamorphic and lithologic features provides a geologic model for local exploration.



EXPEDITOR RESOURCE GROUP LTD.

VG AND VAL CLAIM GROUP

GEOLOGY MAP

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN BY	DATE JUNE 87
CHK BY	FIGURE No. 4
SCALE 1 : 100 000	

3.3 Property Geology

The geology of the property was described by A. Smallwood (Unpublished Report for Expeditor Resource Group Ltd.: 1986 Report on Fieldwork on the San Juan Property, dated May 1986) as follows:

"The VG and VAL claim groups are underlain by a sequence of phyllite, schist, gneiss, greenschist and amphibolite units with local narrow intrusive sills. The strike of these units is approximately east-west with a steep northerly dip.

The most abundant group of rocks on the property is a metasediment package of intercalated phyllite, schist and gneiss. The phyllite is black with associated quartz sweats while the schist and gneiss are composed predominantly of quartz, biotite and locally actinolite. Quartz-biotite-garnet schist can be found on the VG-3 claim intimately intercalated with amphibolite. The amphibolite on the property contains approximately 90% actinolite and grades into quartz-actinolite gneiss or schist containing down to 25-30% actinolite. It occurs as both narrow bands of 10 cm as well as extensive units of several meters. Quartz in the amphibolite units occurs as irregular blebs, lenses and veins with pyrite, pyrrhotite and chalcopyrite being locally present.

Greenschist occurs on the property generally as wide bands in the metasediment package. These units are very distinctly green in colour and commonly contain quartz-rich layers and a trace of pyrite.

Intrusive sills are located within the greenschist unit on the VG-3 claim. These sills are of felsic to intermediate

composition and contain blebby to disseminated pyrrhotite locally. The width of the sills is less than 2 m."

In addition, several sandstone outcrops were recognized during the 1987 mapping survey, especially on the VG-2 claim. This sandstone, buff to grey in colour, is usually fine to medium grained and presents weak to medium iron alteration. Numerous quartz stringers and veins and traces of pyrite have been found in this rock unit.

4.0 GEOCHEMISTRY

The geochemical sampling program emphasized soil sampling, rock chip sampling and to a lesser extent, stream sediment sampling. A total of 159 samples were collected on selected areas of the property and all of the samples were submitted to Min-En Laboratories Ltd., in North Vancouver, British Columbia for silver, arsenic, copper, lead, zinc and antimony analysis by the Induced Coupled Plasma (ICP) method. Gold was determined by the Fire Assay (F.A.) method. In addition, one hundred soil samples collected in 1986 on the property, were reanalyzed for the same elements. Gold analysis of the 1986 samples was possible only for 61 samples.

Analytical procedures are reported in Appendix III and analytical data for soils, rocks and silt samples can be found in Appendix IV. Statistical treatment of data was possible for the soil and rock chip samples. Due to the limited number of stream sediment samples, no statistics was done for this particular survey. The statistical method, histograms and calculated results are listed in Appendix V-A to Appendix V-E respectively.

4.1 Soil Sampling Survey

A total of 114 soil samples were collected over selected areas of the property. A small grid was established in the vicinity of the 1986 soil grid and north-south lines were compassed and surveyed. Sixty-nine samples were collected in this area at 10 meter or 25 meter intervals. In addition, 45 samples were collected at 25 meter intervals along two east-west lines established in the northern portion of the claims. The B soil horizon, and sometimes where outcropping occurred, the C soil horizon was sampled at depths varying from 10 cm to 50 cm. The collected soils of the "B" horizon consisted mainly of sand-silty to sand-silt-clayish material and colour varied from dark brown to medium grey. The soils of the "C" horizon consisted of sand-silt-clayish to clayish material and colour varied from medium yellowish brown to light grey. A soil pit was dug at each location and approximately 300 g of material was removed and placed in a standard kraft envelope. Samplers also attempted to avoid organic-rich material.

Results for each analyzed element of the combined 1986 and 1987 surveys are discussed below:

i) **Gold:** Five samples show anomalous gold values ranging from 18 ppb to 35 ppb. None of these samples present any multi-element anomaly. The calculated threshold was chosen to be 16.1 ppb.

ii) **Silver:** Only four samples have silver values slightly above background values. These values are equal to the calculated threshold of 1.0 ppm.

iii) **Arsenic:** Only four samples have anomalous values in arsenic, ranging from 20 ppm to 27 ppm. All of these samples were collected in 1986.

iv) **Copper:** Seven copper anomalies varying from 53 ppm to 81 ppm were recorded within the 1986 and 1987 combined surveys.

v) **Lead:** Six anomalous values in lead were found within the surveyed area. Anomalies range between 35 ppm and 50 ppm and calculated threshold was established at 34.9 ppm.

vi) **Zinc:** Only two anomalies were recorded varying from 97 ppm to 130 ppm. The threshold was chosen at 88.9 ppm.

vii) **Antimony:** Ten slightly above background values were detected for this element. Anomalous values range from 4 ppm to 8 ppm.

4.2 Rock Chip Sampling Survey

A total of 37 rock chip samples were collected within the surveyed area. Most of the samples were taken from quartz veins and a description of rock samples is presented in Appendix VI. Results for each analyzed element are discussed below:

i) **Gold:** Only one gold anomalous value of 125 ppb was recorded in sample EAT-9. This sample also shows a slightly above background value in zinc (96 ppm). Gold values in rock samples ranged from 1 ppb to 125 ppb and the threshold value was chosen at 63.2 ppb.

ii) **Silver:** No anomalous value was recorded for this element. Analyzed values in silver ranged from .1 ppm to .7 ppm.

iii) **Arsenic:** Two anomalies were recorded: 208 ppm As in sample EAT-16 and 114 ppm AS in sample EAT-10. None of these samples present a multi-element anomaly.

iv) **Copper:** Only one copper anomaly was detected in sample EST-7 (311 ppm).

v) **Lead:** No anomaly in Pb was found. Lead values ranged from 1.0 ppm to 23.0 ppm.

vi) **Zinc:** Only one slightly above background value of 96.0 ppm Zn was recorded in sample EAT-9. This sample also presents the only detected gold anomaly.

vii) **Antimony:** One anomalous value of 7.0 ppm was detected in sample EST-14 for this element.

4.3 Stream Sediment Sampling Survey

A total of eight silt samples were collected within the surveyed area. The sampled material was a composite sample taken across the stream and then placed in a standard Kraft envelope.

Only one sample (ESL-9) shows a slightly above background value in silver (1.0 ppm). Background values were recorded in all of the silt samples for gold, arsenic, copper, lead, zinc and antimony.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Placer gold in the general property area was first discovered in the 1860's and recent exploration in the Valentine Creek and Jordan River showed that placer gold in this area was related to gold bearing quartz veins occurring within the metasedimentary rocks of Valentine Mountain. In 1984, 85 gold bearing veins were found on the Beau-Pre property, which is located just south of the VG claims group.

The geological evaluations carried out to date on the property revealed that most of the claims are underlain by a metasedimentary rocks package of intercalated phyllite, schist, gneiss and sandstone. The strike of these units is generally east-west with a steep northerly dip.

Greenschists, occasionally cut by small intrusive sills, occur on the property as wide bands within the metasedimentary rocks and are distinctly green in colour.

The geochemical sampling survey, consisting mainly of rock chips, soil sampling and to a lesser extent silt sampling, did not delineate any precious metal and/or base metal anomalous trend within the surveyed area. Several isolated gold anomalies were registered in the rock chips and soils samples (up to 125 ppb gold in a rock chip sample).

Although the property lies within a favourable geological environment, exploration results to date are not very encouraging. In order to fully evaluate the mineral potential of the claims, additional exploration work, consisting of geochemical sampling, geological mapping and prospecting, is warranted in the areas not covered by the previous surveys.

Respectfully submitted,

HI-TEC RESOURCE MANAGEMENT LTD.

Robert R. Arnold, M.Sc., P.Geol., FGAC

June 20, 1987

APPENDIX I

References

REFERENCES

Clapp, D.H. (1912). Southern Vancouver Island; Geol. Sur. Can, Memoir No. 13.

Clapp, C.H. (1917). Sooke and Duncan Map Areas, Vancouver Island; Geol. Surv. Can., Memoir No. 96.

Grove E.W. (1984). Geological Report and Work Proposal on the Expeditor Resource Group Ltd. Property in the San Juan River Area, Leech River Block, Southern Vancouver Island; unpublished report for Expeditor Resource Group Ltd.

Muller, J.E. (1977). Geology of Vancouver Island; Geol. Surv. Can., Open File 463.

Muller, J.E. (1980). Geology, Victoria Map Area; Geol. Surv. Can., Open File 701.

Pezzot, E.T. and White, G.E. (1984). Geophysical Report on an Airborne VLF-Electromagnetometer and Magnetometer Survey, Leech River Gold Project, Victoria M.D.

Smallwood, A. (1985). 1985 Report on Fieldwork on the San Juan Property, Port Renfrew Area, Victoria M.D.; unpublished report for Expeditor Resource Group Ltd.

Smallwood, A. (1986). 1986 Report on Fieldwork on the San Juan Property, Port Renfrew Area, Victoria M.D.; unpublished report for Expeditor Resource Group Ltd.

APPENDIX II

Statement of Qualifications

APPENDIX II

STATEMENT OF QUALIFICATIONS

I, ROBERT R. ARNOLD, of the City of North Vancouver, Province of British Columbia, hereby certify that:

1. I am a geologist employed by Hi-Tec Resource Management Ltd. My office is at 1500 - 609 Granville Street, Vancouver, British Columbia, Canada, V7Y 1G5.

2. I obtained a Bachelor of Science degree in Geology from the University of Geneva, Switzerland in 1976 and a Master of Science degree in Geological Engineering from the same university in 1978.

3. I am a Registered Professional Geologist, in good standing, of the Association of Professional Engineers, Geologists and Geophysicists of Alberta since 1981.

4. I am a Fellow Member of the Geological Association of Canada, in good standing since 1985. I am an associate member of the Mineralogical Association of Canada and of the Society of Economic Geologists.

5. I have been practising my profession as a geologist in Western Europe, West Africa, Southeast Asia and North America since 1978.

6. I have not received, nor do I expect to receive any interests, direct or indirect, or contingent in the securities or properties of Expeditor Resource Group Ltd. and that I am not an insider of any company having interest in the VG-1, VG-2, VG-3 and VAL mineral claims or any other property in that area.

7. I consent to the use of this report in a Prospectus or Statement of Material Facts for the purpose of a private or public financing.

Dated in Vancouver, this 20th day of June, 1987.

Robert R. Arnold, M.Sc., P.Geol.

APPENDIX III

Geochemical Preparation and Analytical Procedures

PHONE: (604) 980-5814 or 988-4524

TELEX: 04-352828

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

FIRE GOLD GEOCHEMICAL ANALYSIS BY MIN-EN LABORATORIES LTD.

Geochemical samples for Fire Gold processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sediment samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed and pulverized by ceramic plated pulverizer.

A suitable sample weight 15.00 or 30.00 grams are fire assay preconcentrated.

After pretreatments the samples are digested with Aqua Regia solution, and after digestion the samples are taken up with 25% HCl to suitable volume.

Further oxidation and treatment of at least 75% of the original sample solutions are made suitable for extraction of gold with Methyl Iso-Butyl Ketone.

With a set of suitable standard solution gold is analysed by Atomic Absorption instruments. The obtained detection limit is 1 ppb.

PHONE 980-5814

MIN-EN Laboratories Ltd.

Specialists in Mineral Environments

Corner 15th Street and Bewicke
705 WEST 15TH STREET
NORTH VANCOUVER, B.C.
CANADA V7M 1T2

ANALYTICAL PROCEDURE REPORT FOR ASSESSMENT WORK - 26 ELEMENT ICP

Ag,Al,As,B,Bi,Ca,Cd,Co,Cu,Fe,K,Mg,Mn,Mo,
Na,Ni,P,Pb,Sb,Sr,Th,U,V,Zn

Samples are processed by Min-En Laboratories Ltd., at 705 W. 15th St., North Vancouver Laboratory employing the following procedures.

After drying the samples at 95°C soil and stream sedimint samples are screened by 80 mesh sieve to obtain the minus 80 mesh fraction for analysis. The rock samples are crushed by jaw crusher and pulverized by ceramic plated pulverizer.

1.0 gram of the samples are digested for 6 hours with HNO_3 and $HClO_4$ mixture.

After cooling samples are diluted to standard volume. The solutions are analysed by Computer operated Jarrell Ash 9000ICP. Inductively coupled Plasma Analyser. Reports are formated by routing computer dotline print out.

APPENDIX IV

Analytical Data for Soil Samples, Rock Chip Samples and Stream Sediment Samples

COMPANY: HI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: 87 BC 005 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-293/P1+2

ATTENTION: R.ARNOLD | (604)980-5814 OR (604)988-4524 | * TYPE SOIL GEOCHEM * | DATE:APRIL 16, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
87EAS21	.3	8	33	14	1	52	
87EAS22	.2	5	14	11	1	46	
87EAS23	.1	1	3	3	1	17	
87EAS24	.3	1	5	4	1	23	
87EAS25	.5	3	7	7	1	20	
87EAS26	.6	5	29	12	1	48	
87EAS27	.6	9	23	13	1	44	
87EAS28	.9	9	16	9	1	51	
87EAS29	.5	9	17	14	3	45	
87EAS30	.4	3	8	6	1	20	
87EAS31	.2	1	2	3	1	9	
87EAS32	.3	2	3	5	1	11	
87EAS33	.3	6	8	10	1	23	
87EAS34	.4	1	3	2	1	13	
87EAS35	.3	2	3	5	1	13	
87EAS36	.6	3	22	14	1	38	
87EAS37	.4	10	10	17	1	24	
87EAS38	.2	1	6	10	1	20	
87EAS39	.3	1	4	7	1	11	
87EAS40	.3	8	9	11	1	16	
87EAS41	.4	5	21	9	1	46	
87EAS42	.5	5	31	10	1	52	
87EAS43	.4	7	7	5	1	22	
87EAS44	.5	6	24	18	1	47	
87EAL45 (SILT)	.5	3	11	10	1	43	7
87EAS46	.3	5	17	12	1	38	
87EAS47	.4	1	2	7	1	13	
87EAS48	.4	7	8	8	1	23	
87EAS49	.3	9	6	6	3	15	
87EAS50	.2	2	1	2	1	10	
87EAS51	.3	2	3	4	2	28	
87EAS52	.7	10	13	13	3	20	
87EAS53	1.0	8	48	17	2	53	
87EAS54	.6	7	53	18	1	57	
87EAS55	.5	6	34	12	1	44	
87EAS56	.8	14	15	24	4	33	
87EAS57	.6	7	35	17	1	63	
87EAS58	.7	9	23	14	1	52	
87EAS59	.6	9	31	15	1	70	
87EAS60	.8	10	27	16	1	48	
87EAS61	.6	7	23	15	1	41	
87EAS62	.6	6	31	18	1	45	
87EAS63	.5	8	23	17	1	51	
87EAS64	.5	8	34	14	1	58	
87EAS65	.4	9	27	19	1	58	
87EAS66	.5	14	39	17	1	68	
87EAS67	.6	6	21	20	1	48	
87EAS68	.3	7	20	18	1	42	
87EAS69	.6	9	36	17	1	62	
87EAS70	.5	5	27	16	1	41	
87EAS71	.4	7	19	16	1	41	
87EAS72	.5	9	56	18	1	59	
87EAS73	.5	8	20	17	1	49	
87EAS74	.5	9	25	17	1	43	
87EAS75	.4	4	22	15	1	34	
87EAS76	.6	9	22	20	1	44	
87EAS77	.7	8	29	18	1	44	
87EAS78	.6	9	24	19	3	43	
87EAS79	.5	8	28	18	2	62	
87EAS80	.8	13	49	21	3	53	

COMPANY: HI-TEC RESOURCES
PROJECT NO: 87 BC 005
ATTENTION: R.ARNOLD

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(ACT:GE027) PAGE 1 OF 1
FILE NO: 7-293/P3+4
* TYPE SOIL GEOCHEM * DATE:APRIL 16, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
87ESL1 SILT	.6	8	34	21	1	77
87ESL2 SILT	.7	4	17	14	1	50
87ESL3 SILT	1.0	6	31	19	1	73
87ESL9 SILT	.5	10	48	12	1	59
87ESL11 SILT	.7	8	56	17	1	63
87ESL12 SILT	.5	7	53	14	1	66
87ESL13 SILT	.6	8	48	18	1	69
87ESS24	.4	6	11	9	1	40
87ESS25	.3	5	8	7	1	23
87ESS26	.4	8	22	13	2	49
87ESS27	.5	7	11	9	1	34
87ESS28	.3	7	15	12	1	43
87ESS29	.4	4	9	8	1	26
87ESS30	.5	5	8	11	1	20
87ESS31	.4	12	24	15	2	48
87ESS32	.5	7	7	10	2	19
87ESS33	.6	7	10	12	1	32
87ESS34	.4	10	20	14	1	36
87ESS35	.3	5	8	9	1	21
87ESS36	.2	5	11	7	1	29
87ESS37	.4	14	20	17	5	40
87ESS38	.6	12	42	20	1	63
87ESS39	.4	10	23	16	2	47
87ESS40	.5	6	7	22	1	20
87ESS41	.4	11	29	17	1	48
87ESS42	.7	11	29	23	1	47
87ESS43	.2	6	8	11	1	26
87ESS44	.7	8	11	22	3	31
87ESS45	.5	8	42	15	1	56
87ESS46	.6	7	18	14	3	35
87ESS47	.7	10	29	34	1	130
87ESS48	.6	7	28	22	1	54
87ESS49	.3	5	12	15	1	40
87ESS50	.4	6	36	20	1	46
87ESS51	.4	1	6	13	1	27
87ESS52	.7	10	26	19	1	48
87ESS53	.5	7	20	29	1	83
87ESS54	.6	6	12	14	1	27
87ESS55	.3	2	4	13	1	29
87ESS56	.5	9	9	10	2	18
87ESS57	.6	6	6	21	1	30
87ESS58	.8	10	33	22	1	62
87ESS59	.7	10	28	34	1	83
87ESS60	.6	11	30	24	1	61
87ESS61	1.0	12	28	23	1	67
87ESS62	.7	9	14	37	1	85
87ESS63	.6	7	21	26	1	61
87ESS64	.5	4	23	29	1	70
87ESS65	.2	3	11	18	1	47
87ESS66	.4	6	24	21	1	68
87ESS67	.7	5	29	39	1	54
87ESS68	.9	11	28	30	1	64
87ESS69	.8	8	35	29	1	43
87ESS70	.6	11	24	50	1	97
87ESS71	.5	9	29	25	1	67
87ESS72	.6	12	27	38	1	73
87ESS73	.7	9	34	27	1	70
87ESS74	.5	11	22	27	1	55
87ESS75	.7	12	24	29	1	52
87ESS76	.7	10	30	35	1	67

COMPANY: HI-TEC RESOURCES
PROJECT NO: 87 BC 005
ATTENTION: R.ARNOLD

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(ACT:GE027) PAGE 1 OF 1
FILE NO: 7-293/PS
* TYPE SOIL GEOCHEM * DATE:APRIL 16, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
B7ES577	.6	11	20	25	2	74
B7ES578	.6	9	20	21	1	52

COMPANY: NI-TEC RESOURCES | MIN-EN LABS ICP REPORT | (ACT:GE027) PAGE 1 OF 1

PROJECT NO: 87 BC 005 | 705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2 | FILE NO: 7-293-P1+2

ATTENTION: R.ARNOLD | (604)980-5814 OR (604)988-4524 | * ROCK GEOCHEM * | DATE:APRIL 16, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN
87EAT001	.4	3	9	5	1	19
87EAT002	.3	5	31	13	1	58
87EAT003	.2	3	11	6	3	17
87EAT004	.6	6	19	12	2	61
87EAT005	.5	2	41	18	1	37
87EAT006	.1	3	14	1	2	9
87EAT007	.7	1	51	13	1	39
87EAT008	.6	3	59	17	1	30
87EAT009	.6	12	59	14	2	96
87EAT010	.3	144	39	15	4	44
87EAT011	.4	4	22	9	1	54
87EAT012	.3	5	26	9	1	38
87EAT013	.2	4	7	2	3	21
87EAT014	.2	4	6	3	2	12
87EAT015	.3	7	20	14	1	56
87EAT016	.2	208	7	6	2	14
87EAT017	.1	6	12	2	2	15
87EAT018	.4	6	29	15	1	68
87EAT019	.2	6	16	6	3	34
87EAT020	.2	6	33	8	2	38
87EAT081	.2	4	1	1	4	10
87EST004	.3	6	19	7	4	49
87EST005	.3	9	34	16	2	84
87EST006	.2	5	19	5	3	27
87EST007	.4	5	311	13	1	27
87EST008	.2	6	55	6	3	18
87EST010	.6	11	63	18	1	55
87EST014	.3	13	36	14	7	44
87EST015	.1	7	20	4	3	30
87EST016	.7	13	58	23	5	62
87EST017	.2	4	7	3	2	21
87EST018	.2	7	25	7	4	33
87EST019	.3	6	37	4	1	35
87EST020	.1	3	3	3	2	14
87EST021	.5	7	60	16	1	69
87EST022	.2	2	11	5	1	18
87EST023	.3	5	22	7	1	33

MIN-EN LABORATORIES LTD.
Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524

TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:HI-TEC RESOURCES
Project:87 BC 005
Attention:R.ARNOLD

File:7-293R/P1
Date:MAY 2/87
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
87 EAS 21	9
87 EAS 22	6
87 EAS 23	4
87 EAS 24	7
87 EAS 25	2
87 EAS 26	28
87 EAS 27	3
87 EAS 28	8
87 EAS 29	9
87 EAS 30	3
87 EAS 31	2
87 EAS 32	6
87 EAS 33	4
87 EAS 34	2
87 EAS 35	20
87 EAS 36	3
87 EAS 37	2
87 EAS 38	3
87 EAS 39	5
87 EAS 40	4
87 EAS 41	4
87 EAS 42	35
87 EAS 43	2
87 EAS 44	6
87 EAL 45 SILT	6
87 EAL 46	4
87 EAL 47	3
87 EAL 48	4
87 EAL 49	4
87 EAL 50	2

Certified by _____

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.
Specialists in Mineral Environments
705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE: (604) 980-5814 OR (604) 988-[illegible]   TELEX: VIA USA [illegible]

Certificate of GEOCHEM

Company: HY-TEC RESOURCES
Project: 87-BC-005
Attention: [illegible]

File: [illegible]
Date: [illegible]
Type: [illegible]

[illegible] certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
87 EAS 51	4
87 EAS 52	3
87 EAS 53	6
87 EAS 54	2
87 EAS 55	5
87 EAS 56	3
87 EAS 57	8
87 EAS 58	4
87 EAS 59	2
87 EAS 60	4
87 EAS 61	3
87 EAS 62	3
87 EAS 63	4
87 EAS 64	4
87 EAS 65	3
87 EAS 66	5
87 EAS 67	7
87 EAS 68	2
87 EAS 69	3
87 EAS 70	5
87 EAS 71	4
87 EAS 72	2
87 EAS 73	4
87 EAS 74	4
87 EAS 75	3
87 EAS 76	2
87 EAS 77	2
87 EAS 78	3
87 EAS 79	4
87 EAS 80	3

Certified by ____________________

[illegible]

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

ONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

ompany:HI-TEC RESOURCES
Project:87 BC 005
Attention:R.ARNOLD

File:7-293R/P3
Date:MAY 5/87
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

ample Number	AU-FIRE PPB
7ESL-1 SILT	2
87ESL-2 SILT	2
87ESL-3 SILT	1
7ESL-9 SILT	3
7ESL-11 SILT	2
7ESL-12 SILT	1
7ESL-13 SILT	3
87ESS 24	1
7ESS 25	2
7ESS 26	3
87ESS 27	3
7ESS 28	2
7ESS 29	2
87ESS 30	4
7ESS 31	2
87ESS 32	1
7ESS 33	3
7ESS 34	8
87ESS 35	29
87ESS 36	4
7ESS 37	2
87ESS 38	11
7ESS 39	2
7ESS 40	3
87ESS 41	3
7ESS 42	4
7ESS 43	5
87ESS 44	3
7ESS 45	2
7ESS 46	1

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:HI-TEC RESOURCES
Project:87 BC 005
Attention:R.ARNOLD

File:7-293R/P4
Date:MAY 4/87
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
87ESS47	8
87ESS48	3
87ESS49	6
87ESS50	13
87ESS51	2
87ESS52	6
87ESS53	2
87ESS54	3
87ESS55	5
87ESS56	10
87ESS57	4
87ESS58	9
87ESS59	3
87ESS60	3
87ESS61	4
87ESS62	7
87ESS63	3
87ESS64	2
87ESS65	2
87ESS66	3
87ESS67	2
87ESS68	3
87ESS69	3
87ESS70	2
87ESS71	3
87ESS72	2
87ESS73	3
87ESS74	3
87ESS75	2
87ESS76	3

Certified by _____

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:HI TEC RESOURCES
Project:87 BC 005
Attention:R.ARNOLD

File:7-293R/P5
Date:APRIL 23/87
Type:SOIL GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
76ESS77	16
76ESS78	4

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

ompany:HI-TEC RESOURCES
Project:87 BC 005
Attention:R.ARNOLD

File:7-293/P1
Date:MAY 5/87
Type:ROCK GEOCHEM

'e hereby certify the following results for samples submitted.

ample Number	AU-FIRE PPB
87EAT001	3
87EAT002	6
87EAT003	36
87EAT004	4
87EAT005	2
87EAT006	32
87EAT007	3
87EAT008	1
87EAT009	125
87EAT010	10
87EAT011	2
87EAT012	1
87EAT013	5
87EAT014	23
87EAT015	3
87EAT016	12
87EAT017	20
87EAT018	5
87EAT019	2
87EAT020	1
87EAT081	1
87EST004	5
87EST005	2
87EST006	1
87EST007	28
87EST008	2
87EST010	4
87EST014	5
87EST015	2
87EST016	1

Certified by

MIN-EN LABORATORIES LTD.

MIN-EN LABORATORIES LTD.

Specialists in Mineral Environments

705 West 15th Street North Vancouver, B.C. Canada V7M 1T2

PHONE:(604)980-5814 OR (604)988-4524 TELEX:VIA USA 7601067 UC

Certificate of GEOCHEM

Company:HI-TEC RESOURCES
Project:87 BC 005
Attention:R.ARNOLD

File:7-293R/P2
Date:MAY 4/87
Type:ROCK GEOCHEM

We hereby certify the following results for samples submitted.

Sample Number	AU-FIRE PPB
87EST017	7
87EST018	4
87EST019	15
87EST020	5
87EST021	6
87EST022	10
87EST023	3

Certified by

MIN-EN LABORATORIES LTD.

COMPANY: HI-TEC RESOURCES
PROJECT NO: 87 BC 005
ATTENTION: R.ARNOLD

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(ACT:GE027) PAGE 1 OF 1
FILE NO: 7-292/P1+2
* TYPE SOIL GEOCHEM * DATE:APRIL 16, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
86 ECS255	.3	1	5	7	1	18	7
86 ECS256	.5	1	13	14	1	22	3
86 ECS257	.4	6	11	14	2	44	3
86 ECS258	.3	1	7	13	1	30	4
86 ECS259	.4	6	19	9	1	37	2
86 ECS260	.3	1	4	6	1	14	
86 ECS261	.6	1	9	13	1	25	
86 ECS262	.7	12	45	17	1	85	
86 ECS263	.4	12	36	22	1	72	
86 ECS264	.3	11	15	14	4	47	
86 ECS265	.3	1	5	9	1	19	
86 ECS266	.6	3	7	3	2	35	
86 ECS267	.4	7	15	11	1	40	
86 ECS268	.3	1	4	17	1	14	
86 ECS269	.5	8	10	10	2	27	
86 ECS270	.3	11	14	16	1	45	
86 ECS271	.3	12	6	18	1	17	
86 ECS272	.4	4	11	13	1	32	
86 ECS273	.6	14	16	13	3	39	
86 ECS274	.7	13	22	15	1	46	
86 ECS275	.2	10	23	17	1	44	
86 ECS276	.5	1	4	6	1	11	
86 ECS277	.3	20	19	25	6	39	
86 ECS278	.5	2	5	7	1	14	5
86 ECS279	.6	4	20	13	1	41	4
86 ECS280	.4	6	14	14	1	30	3
86 ECS281	.6	9	20	13	1	36	3
86 ECS282	.3	1	5	40	1	42	3
86 ECS283	.2	1	5	3	1	13	3
86 ECS284	.3	1	7	27	1	26	15
86 ECS285	.7	13	53	19	1	62	3
86 ECS286	.3	1	6	12	1	31	3
86 ECS287	.2	1	9	23	1	29	2
86 ECS288	.2	1	6	22	1	20	4
86 ECS289	.5	7	14	14	1	26	4
86 ECS290	.3	1	7	9	1	16	1
86 ECS291	.5	1	6	34	1	10	6
86 ECS292	.4	1	4	13	1	21	2
86 ECS293	.3	5	10	6	2	17	2
86 ECS294	.3	7	6	8	2	16	3
86 ECS295	.2	1	5	5	1	8	2
86 ECS296	.3	5	11	12	1	23	5
86 ECS297	.5	5	19	18	1	25	16
86 ECS298	.3	1	4	18	1	17	5
86 ECS299	.3	8	21	10	1	38	3
86 ECS300	.4	8	11	9	2	29	5
86 ECS301	.3	6	15	7	1	34	7
86 ECS302	.2	1	7	19	1	20	2
86 ECS303	.2	1	2	6	1	9	3
86 EMS255	.8	14	33	23	6	55	
86 EMS256	1.0	16	81	15	1	83	
86 EMS257	.6	18	39	13	3	45	
86 EMS258	.7	13	56	14	1	63	
86 EMS259	1.0	27	41	24	1	72	
86 EMS260	.9	27	39	15	6	65	
86 EMS261	.5	23	13	16	8	36	
86 EMS262	.7	11	25	14	1	41	
86 EMS263	.9	14	34	23	4	75	
86 EMS264	.5	5	15	12	2	51	
86 EMS265	.7	7	19	26	2	49	

COMPANY: MI-TEC RESOURCES
PROJECT NO: 87 BC 005
ATTENTION: R.ARNOLD

MIN-EN LABS ICP REPORT
705 WEST 15TH ST., NORTH VANCOUVER, B.C. V7M 1T2
(604)980-5814 OR (604)988-4524

(ACT:GE027) PAGE 1 OF 1
FILE NO: 7-292/P3+4
* TYPE SOIL GEOCHEM * DATE:APRIL 16, 1987

(VALUES IN PPM)	AG	AS	CU	PB	SB	ZN	AU-PPB
86 EMS266	.9	11	12	16	3	36	
86 EMS267	.5	1	9	21	1	16	
86 EMS268	.7	7	16	13	1	32	
86 EMS269	.5	11	25	16	4	49	
86 EMS270	.6	5	14	14	1	26	
86 EMS271	.8	16	67	17	1	86	
86 EMS272	.3	5	9	10	1	27	
86 EMS273	.9	16	59	21	1	77	
86 EMS274	.4	1	5	32	1	20	
86 EMS275	.5	1	5	18	1	16	
86 EMS276	.4	2	5	4	1	11	9
86 EMS277	.4	1	5	15	1	15	3
86 EMS278	.6	1	10	14	1	25	4
86 EMS279	.7	10	16	16	1	33	3
86 EMS280	.5	5	10	12	1	27	4
86 EMS281	.6	3	12	17	1	25	6
86 EMS282	.8	14	37	18	1	67	8
86 EMS283	.3	1	13	13	1	34	4
86 EMS284	.4	11	19	19	2	50	4
86 EMS285	.3	10	19	14	1	40	3
86 EMS286	.5	9	21	18	2	51	3
86 EMS287	.6	13	33	22	2	53	2
86 EMS288	.5	13	20	13	2	34	5
86 EMS289	.3	11	24	11	2	40	4
86 EMS290	.2	1	5	11	1	16	2
86 EMS291	.4	19	22	21	4	30	2
86 EMS292	.4	14	18	20	1	30	11
86 EMS293	.5	1	5	14	1	18	3
86 EMS294	.3	1	5	13	1	24	6
86 EMS295	.4	5	16	11	1	28	3
86 EMS296	.6	11	17	15	2	42	3
86 EMS297	.5	6	15	18	1	27	4
86 EMS298	.5	8	14	14	1	32	2
86 EMS299	.5	11	21	19	2	33	2
86 EMS300	.3	14	19	21	1	33	7
86 EMS301	.2	6	9	13	1	19	3
86 EMS302	.2	3	9	14	1	16	18
86 EMS303	.4	9	20	17	2	35	4
86 EMS304	.6	13	25	22	1	44	2
86 EMS305	.3	7	20	16	1	49	3

APPENDIX V-A

Description of Statistical Method

STATISTICAL TREATMENT OF DATA

Histograms were produced for each element. The number of intervals (K) in the data population was determined by using the following formula (Levinson, A.A., 1974: Introduction to Exploration Geochemistry, p. 563), which is valid for a population greater than 30.

$$K = 10 \ (\log_{10} N)$$

K = Number of intervals
N = Number of samples

The interval width was found by dividing the largest value in the population (N) by the number of intervals (K)

$$\text{Intervals width} = \frac{\text{largest value in the population}}{K}$$

In all cases the results were statistically treated on the basis of a lognormal distribution. The mean (x) and the standard deviation (s) were calculated using the following formulas:

$$\text{mean } (x) = \frac{\Sigma x}{n}$$

n = Number of samples
Σx = Total of samples
Σx^2 = Sum of squares of samples

$$\text{standard deviation } (s) = \sqrt{\frac{\Sigma x^2 - n \bar{x}^2}{n}}$$

The threshold (t) was calculated as being equal to the mean (x) plus 2.5 times the standard deviation (s)

$$t = x + 2.5s$$

APPENDIX V-B

Statistical Results for Soil Samples

STATISTICAL RESULTS FOR SOIL SAMPLES

Two sets of statistical results are presented below; the first one shows the results of the 1987 soil sampling survey, whereas the second one represents the totality of the 1986 and 1987 collected soil samples. Histograms for the soil samples (Appendix V-C) were drawn using the 1986and 1987 combined data.

Gold (1987):

Population (N):	114
Mean (x):	4.8 ppb
Standard Deviation (Sx):	5.1 ppb
Threshold (t):	17.3 ppb
Range (r):	1.0 ppb - 35.0 ppb

Anomalous Values:

35 ppb	87 EAS 42
29 ppb	87 ESS 35
28 ppb	87 EAS 26
20 ppb	87 EAS 35

Gold (1986-1987):

Population (N):	175
Mean (x):	4.6 ppb
Standard Deviation (Sx):	4.6 ppb
Threshold (t):	16.1 ppb
Range (r):	1.0 ppb - 35.0 ppb

Anomalous Values:

35 ppb	87 EAS 42
29 ppb	87 ESS 35
28 ppb	87 EAS 26
20 ppb	87 EAS 35
18 ppb	86 EMS 302

Silver (1987):

Population (N):	114
Mean (x):	.50 ppm
Standard Deviation (Sx):	.18 ppm
Threshold (t):	1.0 ppm
Range (r):	.10 ppm - 1.0 ppm

Anomalous Values:

1.0 ppm	87 EAS 53
1.0 ppm	87 ESS 61

Silver (1986-1987):

Population (N):	214
Mean (x):	.49 ppm
Standard Deviation (Sx):	.19 ppm
Threshold (t):	1.0 ppm
Range (r):	.10 ppm - 1.0 ppm

Anomalous Values:

1.0 ppm	87 EAS 53
1.0 ppm	87 ESS 61
1.0 ppm	86 EMS 56
1.0 ppm	86 EMS 59

Arsenic (1987):
Population (N): 114
Mean (x): 7.2 ppm
Standard Deviation (Sx): 3.2 ppm
Threshold (t): 15.2 ppm
Range (r): 1.0 ppm - 14.0 ppm

Anomalous Values: None

Arsenic (1986-87):
Population (N): 214
Mean (x): 7.3 ppm
Standard Deviation (Sx): 4.8 ppm
Threshold (t): 19.3 ppm
Range (r): 1.0 ppm - 27.0 ppm

Anomalous Values:

27 ppm	86	EMS 259
27 ppm	86	EMS 260
23 ppm	86	EMS 261
20 ppm	86	ECS 277

Copper (1987):
Population (N): 114
Mean (x): 20.3 ppm
Standard Deviation (Sx): 11.9 ppm
Threshold (t): 50.1 ppm
Range (r): 1.0 ppm - 56.0 ppm

Anomalous Values:

56 ppm	87	EAS 72
53 ppm	87	EAS 54

Copper (1986-1987):
Population (N): 214
Mean (x): 18.8 ppm
Standard Deviation (Sx): 13.1 ppm
Threshold (t): 51.6 ppm
Range (r): 1.0 ppm - 81.0 ppm

Anomalous Values:

81 ppm	86	EMS 256
67 ppm	86	EMS 271
59 ppm	86	EMS 273
56 ppm	86	EMS 258
56 ppm	87	EAS 72
53 ppm	86	ECS 285
53 ppm	87	EAS 54

Lead (1987):
Population (N): 114
Mean (x): 16.5 ppm
Standard Deviation (Sx): 8.6 ppm
Threshold (t): 38.0 ppm
Range (r): 2.0 ppm - 50.0 ppm

Anomalous Values:

50.0 ppm	87	ESS 70
39.0 ppm	87	ESS 67
38.0 ppm	87	ESS 72

Lead (1986-1987):
Population (N): 214
Mean (x): 15.9 ppm

	Standard Deviation (Sx):	7.6 ppm	
	Threshold (t):	34.9 ppm	
	Range (r):	2.0 ppm - 50.0 ppm	
Anomalous Values:	50.0 ppm	87 ESS 70	
	40.0 ppm	86 ECS 282	
	39.0 ppm	87 ESS 67	
	38.0 ppm	87 ESS 72	
	37.0 ppm	87 ESS 62	
	35.0 ppm	87 ESS 76	
Zinc (1987):	Population (N):	114	
	Mean (x):	43.7 ppm	
	Standard Deviation (Sx):	20.3 ppm	
	Threshold (t):	94.5 ppm	
	Range (r):	9.0 ppm - 130.0 ppm	
Anomalous Values:	130 ppm	87 ESS 47	
	97 ppm	87 ESS 70	
Zinc (1986-1987):	Population (N):	214	
	Mean (x):	39.4 ppm	
	Standard Deviation (Sx):	19.8 ppm	
	Threshold (t):	88.9 ppm	
	Range (r):	8.0 ppm - 130.0 ppm	
Anomalous Values:	130 ppm	87 ESS 47	
	97 ppm	87 ESS 70	
Antimony (1987):	Population (N):	114	
	Mean (x):	1.3 ppm	
	Standard Deviation (Sx):	0.7 ppm	
	Threshold (t):	3.1 ppm	
	Range (r):	1.0 ppm - 5.0 ppm	
Anomalous Values:	5 ppm	87 ESS 37	
	4 ppm	87 EAS 56	
Antimony (1986-87):	Population (N):	214	
	Mean (x):	1.4 ppm	
	Standard Deviation (Sx):	1.0 ppm	
	Threshold (t):	3.9 ppm	
	Range (r):	1.0 ppm - 8.0 ppm	
Anomalous Values:	8 ppm	86 EMS 261	
	6 ppm	86 ECS 277	
	6 ppm	86 EMS 255	
	6 ppm	86 EMS 260	
	5 ppm	87 ESS 37	
	4 ppm	86 ECS 264	
	4 ppm	86 EMS 263	
	4 ppm	86 EMS 269	
	4 ppm	86 EMS 291	
	4 ppm	87 EAS 56	

APPENDIX V-C

Histograms for Soil Samples

EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Gold in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

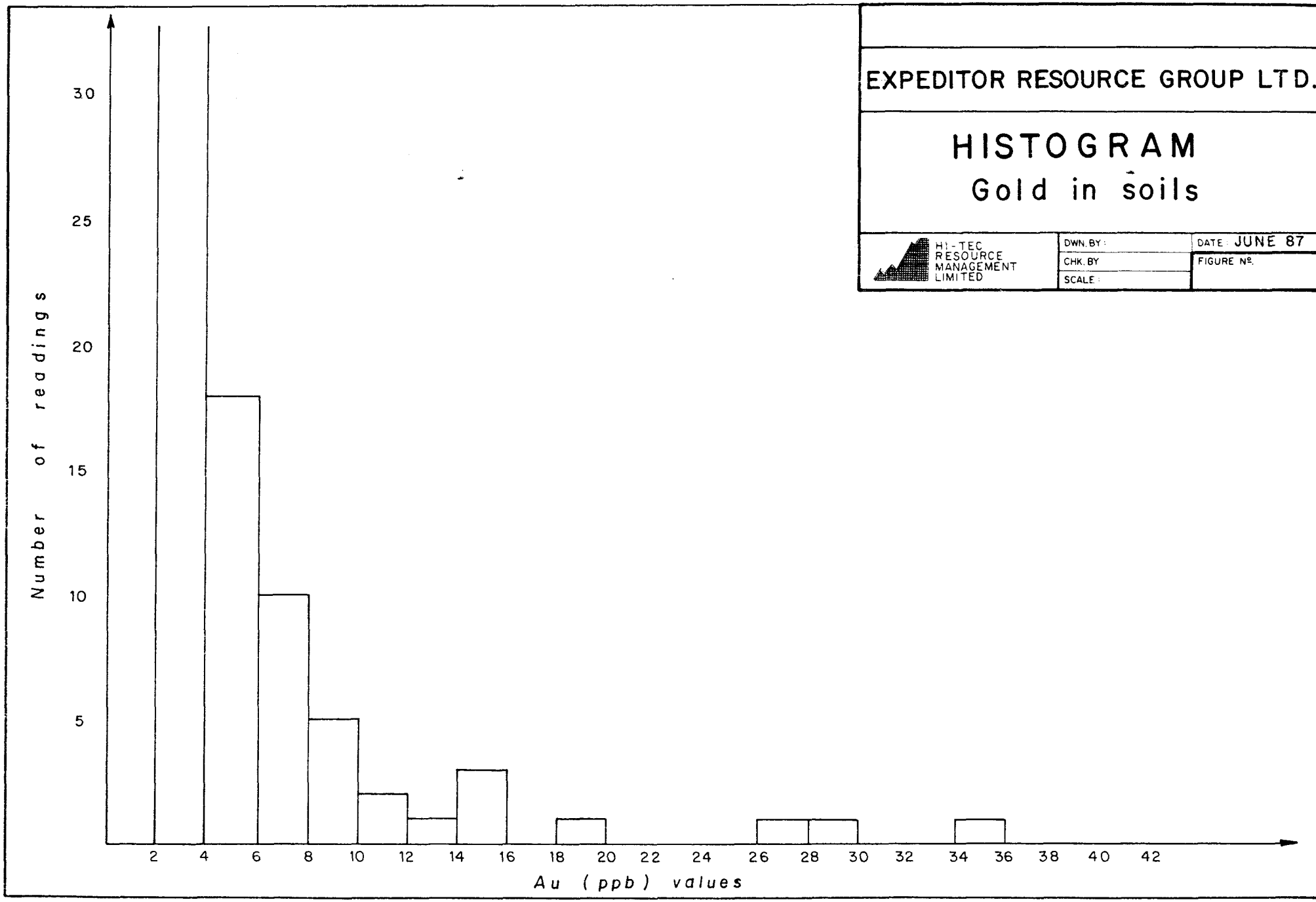
DWN. BY:

CHK. BY

SCALE:

DATE: JUNE 87

FIGURE Nº.



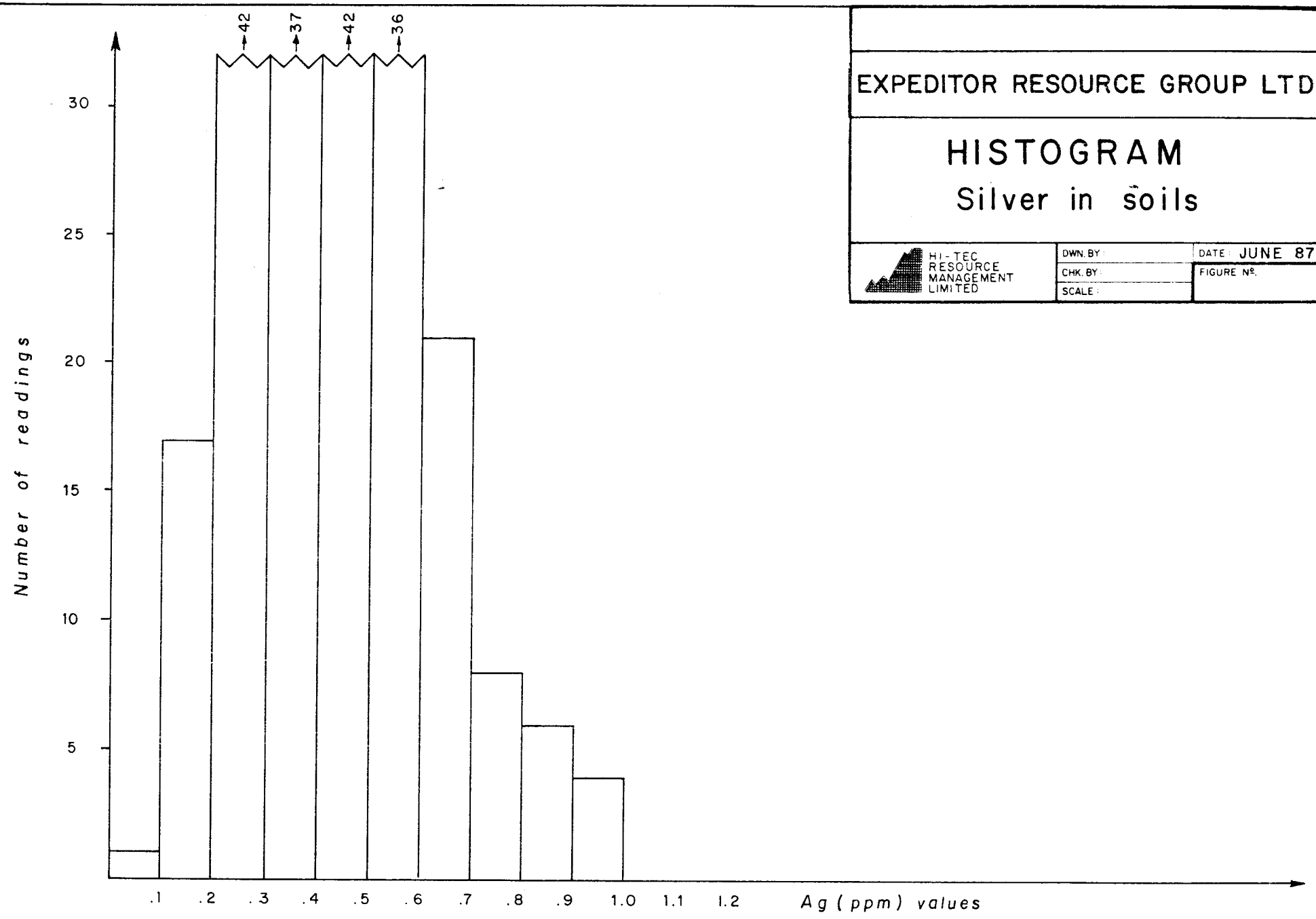
EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Silver in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.

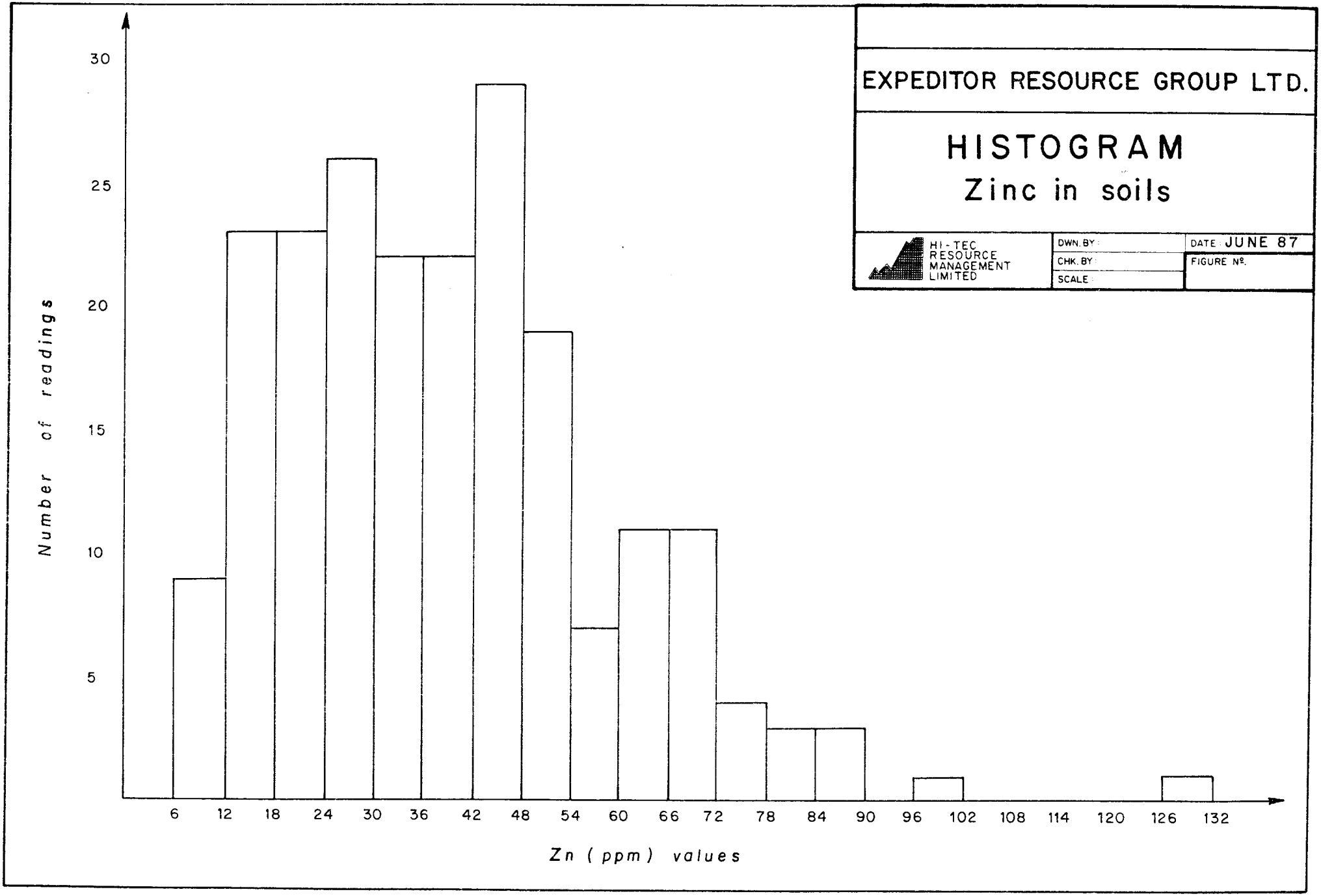


EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM
Zinc in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.

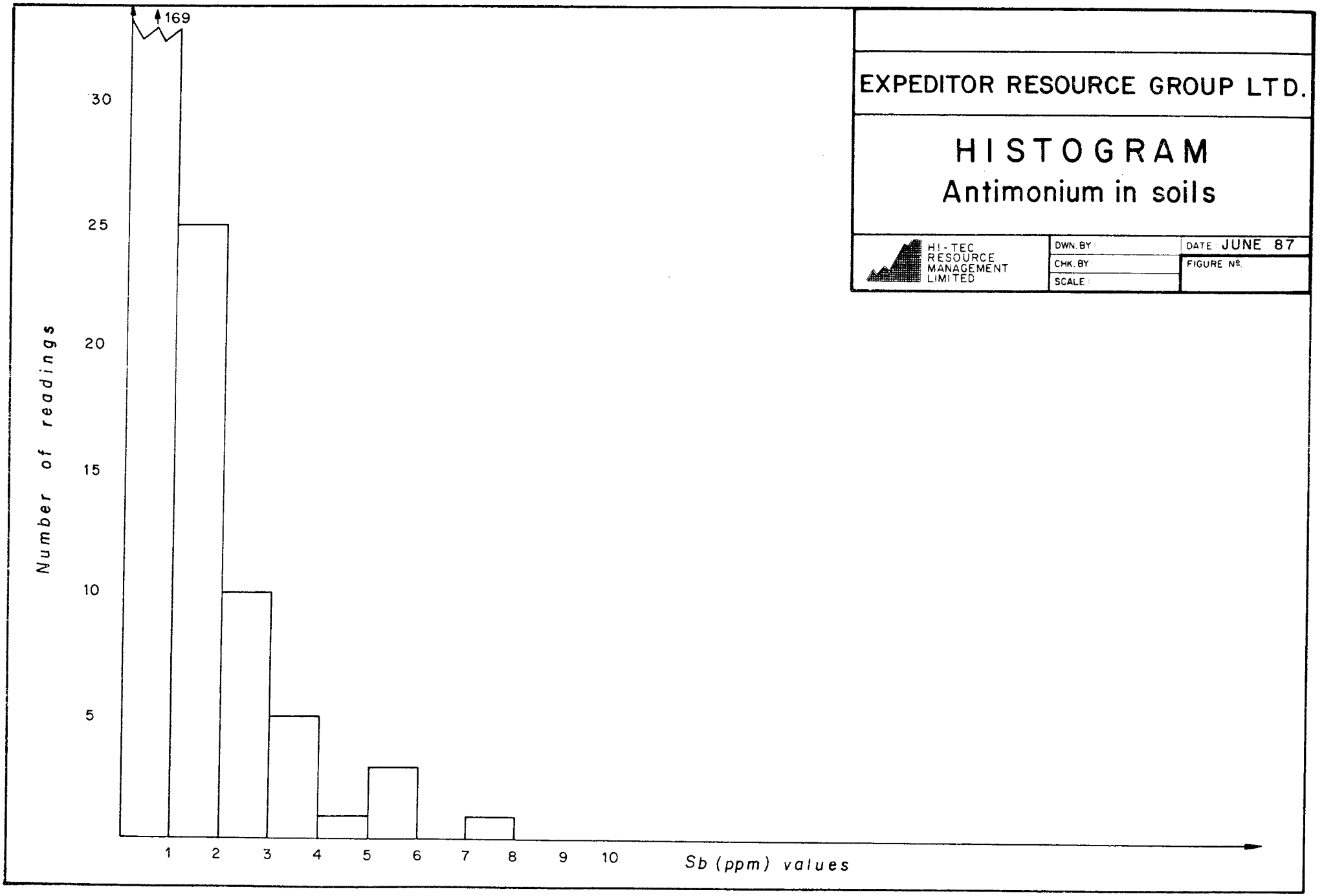


EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM
Antimonium in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.

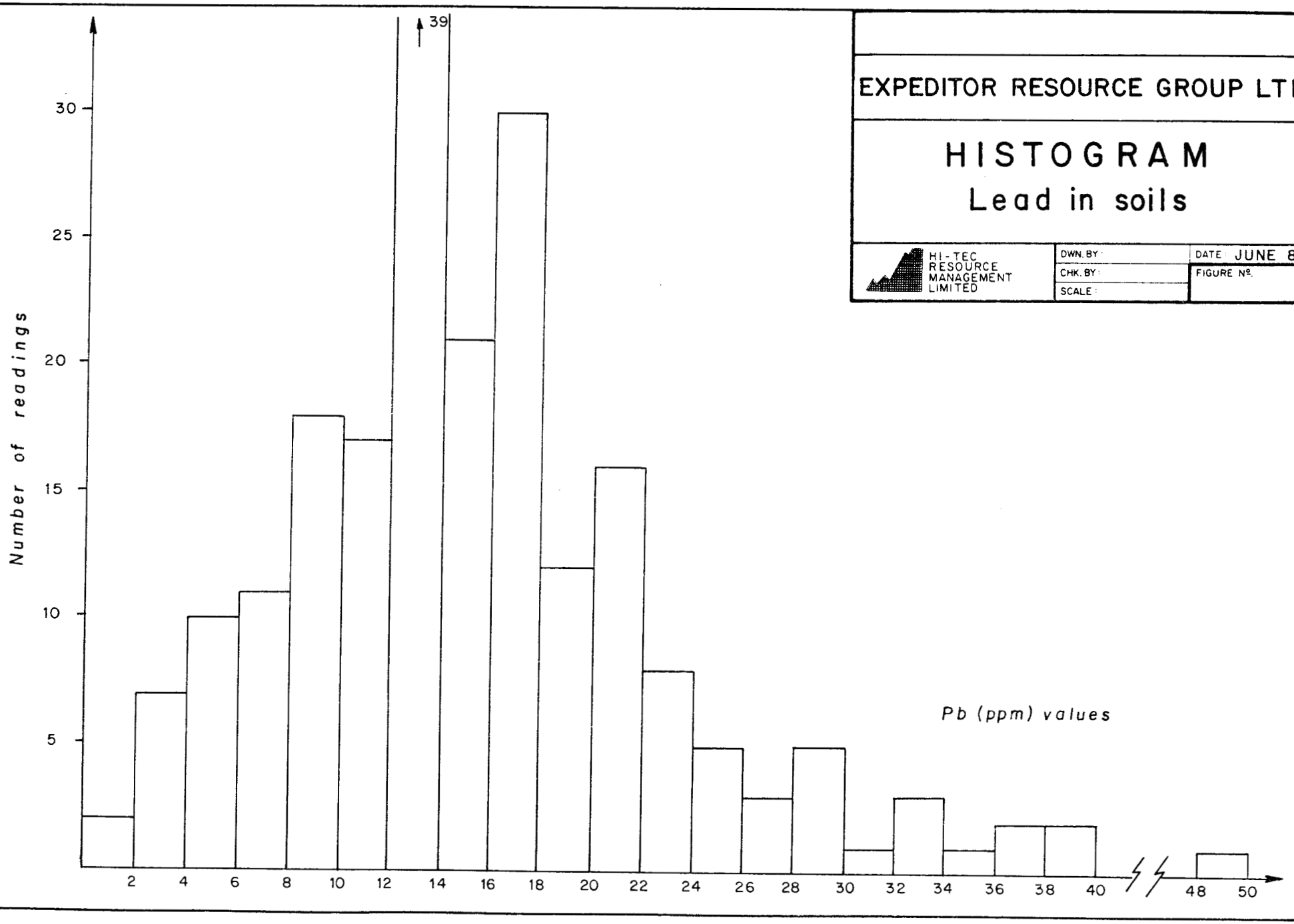


EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM
Lead in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.



EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Arsenic in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

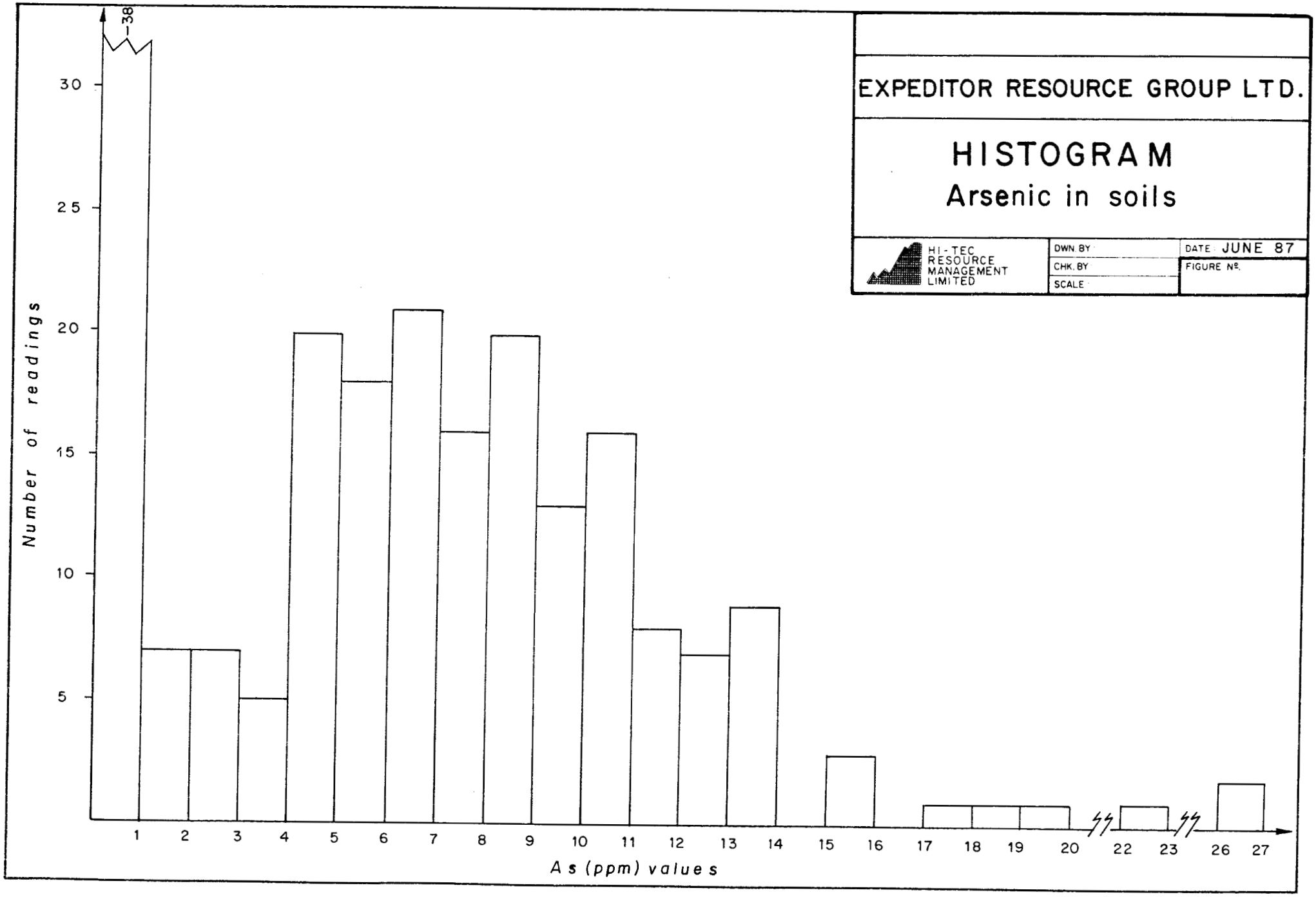
DWN. BY

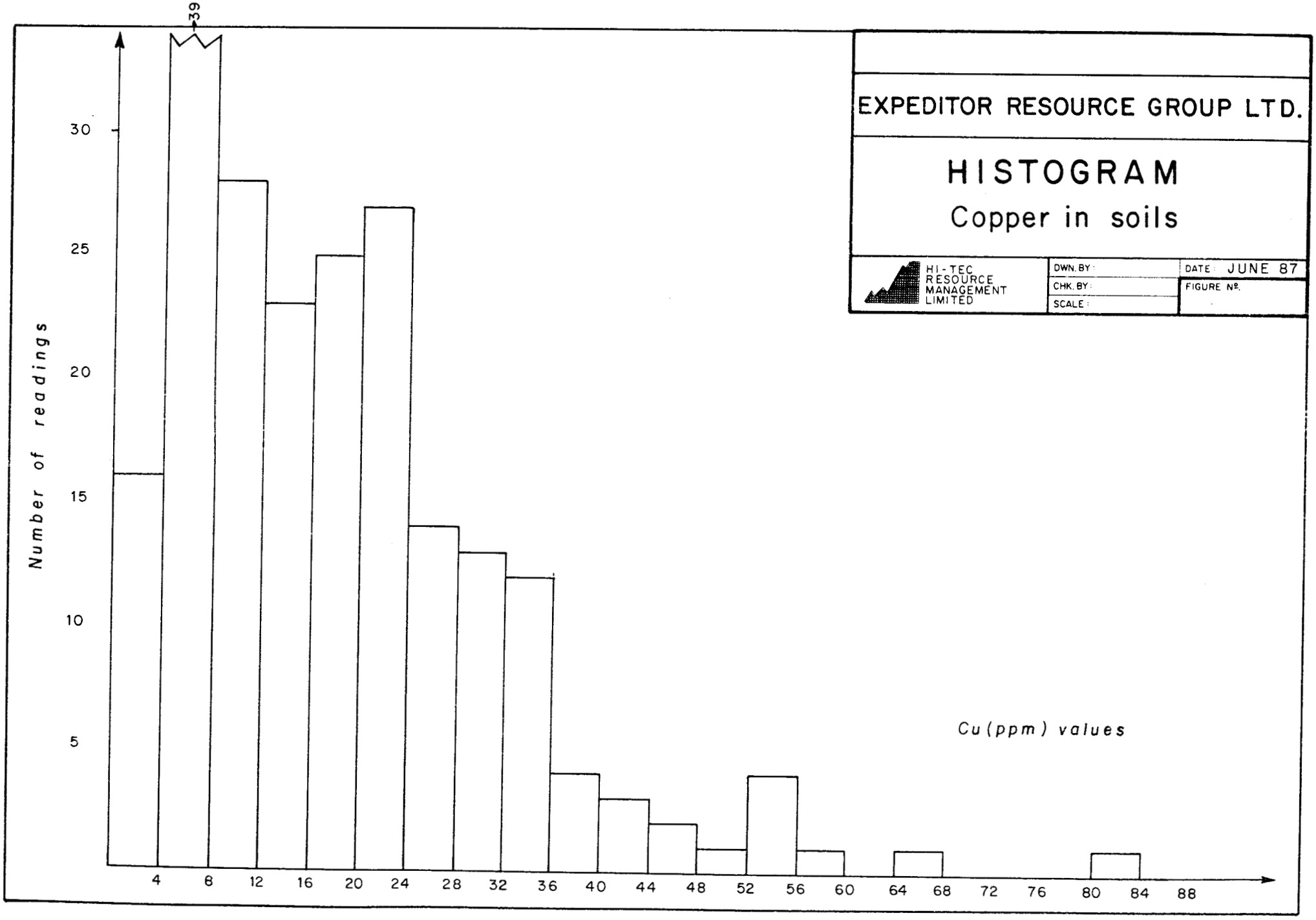
CHK. BY

SCALE

DATE JUNE 87

FIGURE Nº.





EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Copper in soils

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:

CHK. BY:

SCALE:

DATE: JUNE 87

FIGURE Nº.

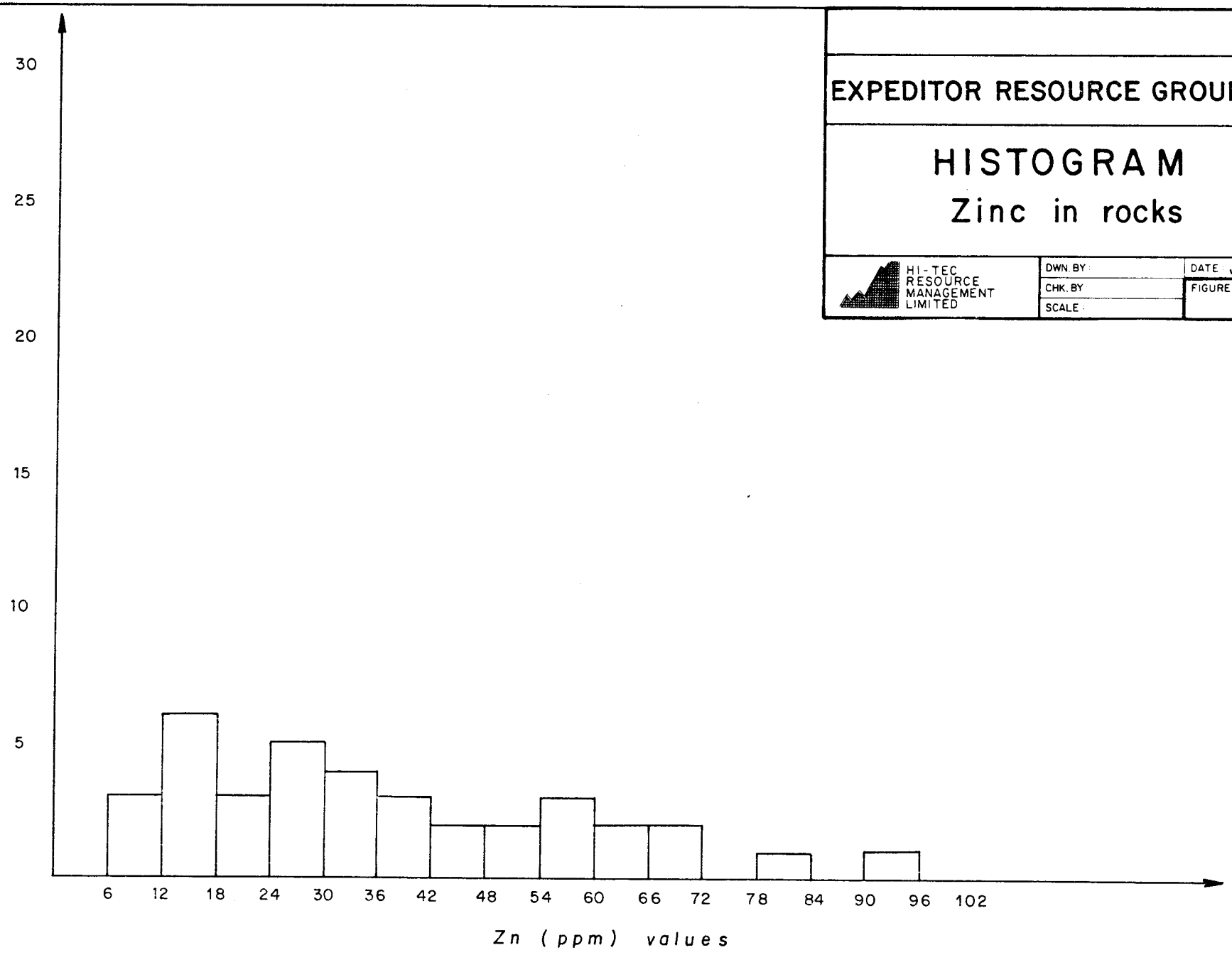
EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Zinc in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.



APPENDIX V-D

Statistical Results for Rock Samples

STATISTICAL RESULTS FOR ROCK SAMPLES

Gold:	Population (N):	37	
	Mean (x):	10.7 ppb	
	Standard Deviation (Sx):	21.0 ppb	
	Threshold (t):	63.2 ppb	
	Range (r:)	1.0 ppb-125.0 ppb	
	Anomalous Values:	125.0 ppb	87 EAT 009
Silver:	Population (N):	37	
	Mean (x):	.32 ppm	
	Standard Deviation (Sx):	.17 ppm	
	Threshold (t):	.75 ppm	
	Range (r):	.1 ppm-.7 ppm	
	Anomalous Values:	None	
Arsenic:	Population (N):	37	
	Mean (x):	14.9 ppm	
	Standard Deviation (Sx):	39.3 ppm	
	Threshold (t):	113.2 ppm	
	Range (r):	1.0 ppm-208.0 ppm	
	Anomalous Values:	208 ppm	87 EAT 016
		144 ppm	87 EAT 010
Copper:	Population (N):	37	
	Mean (x):	34.9 ppm	
	Standard Deviation (Sx):	49.4 ppm	
	Threshold (t):	158.4 ppm	
	Range (r):	1.0 ppm-311.0 ppm	
	Anomalous Values:	311 ppm	87 EST 007
Lead:	Population (N):	37	
	Mean (x):	9.2 ppm	
	Standard Deviation (Sx):	5.7 ppm	
	Threshold (t):	23.5 ppm	
	Range (r):	1.0 ppm-23.0 ppm	
	Anomalous Values:	None	
Zinc:	Population (N):	37	
	Mean (x):	37.3 ppm	
	Standard Deviation (Sx):	21.2 ppm	
	Threshold (t):	90.3 ppm	
	Range (r):	9.0 ppm-96.0 ppm	
	Anomalous Values:	96 ppm	87 EAT 009

Antimony:	Population (N):	37
	Mean (x):	2.2 ppm
	Standard Deviation (Sx):	1.4 ppm
	Threshold (t):	5.7 ppm
	Range (r):	1.0 ppm-7.0 ppm
	Anomalous Values:	7.0 ppm 87 EST 014

APPENDIX V-E

Histograms for Rock Samples

EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Gold in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

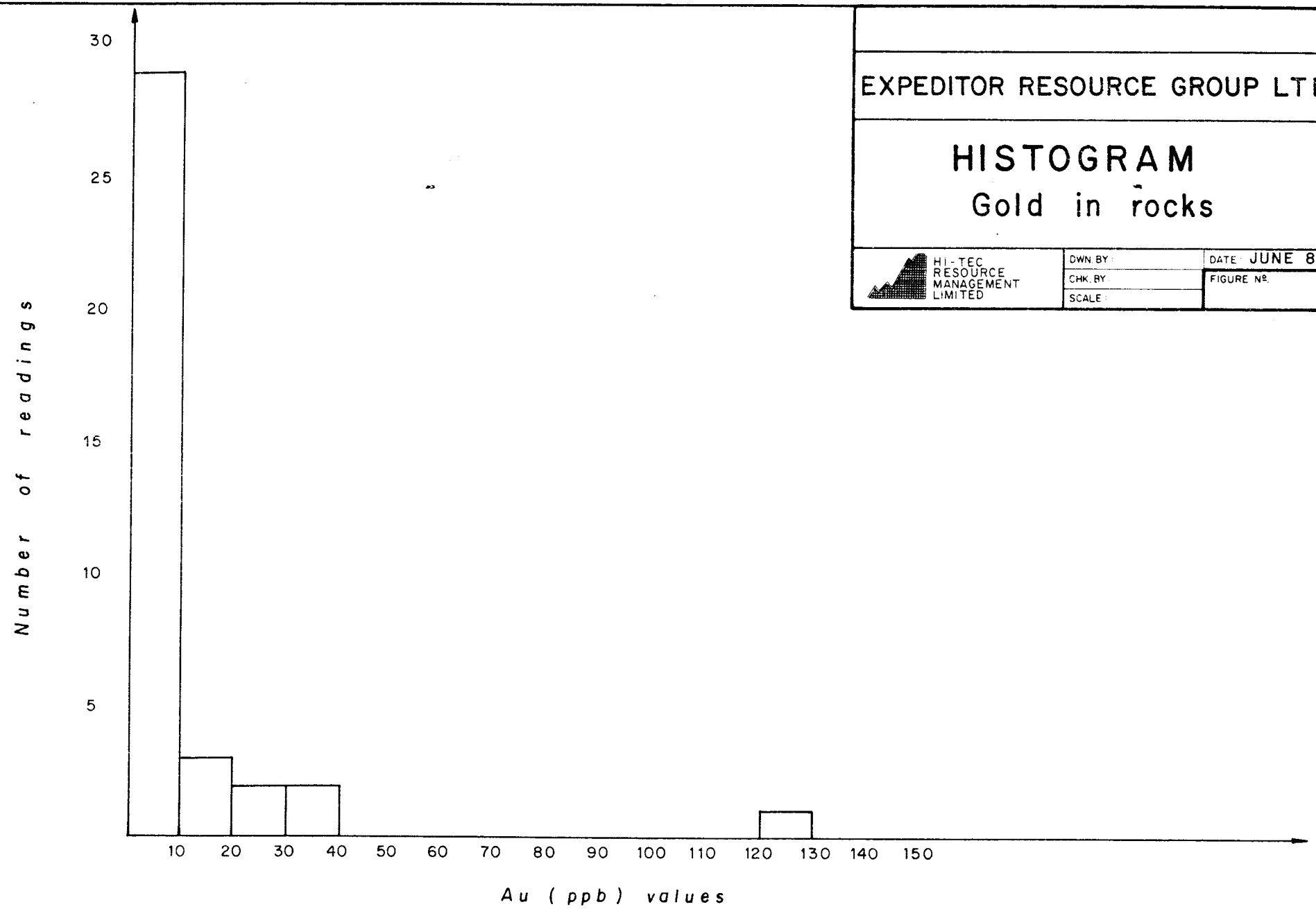
DWN. BY:

CHK. BY:

SCALE:

DATE: JUNE 87

FIGURE Nº.

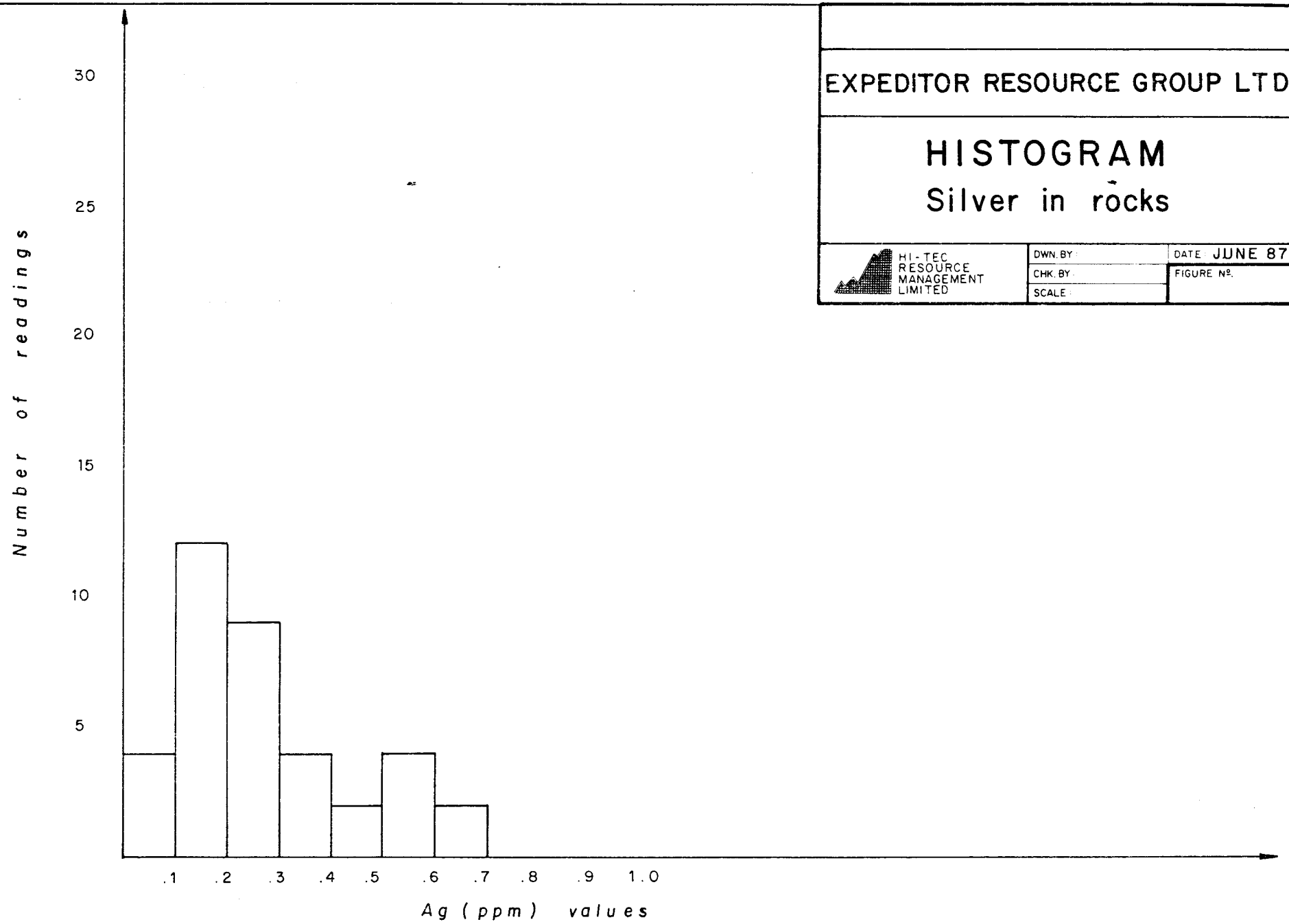


EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM
Silver in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.



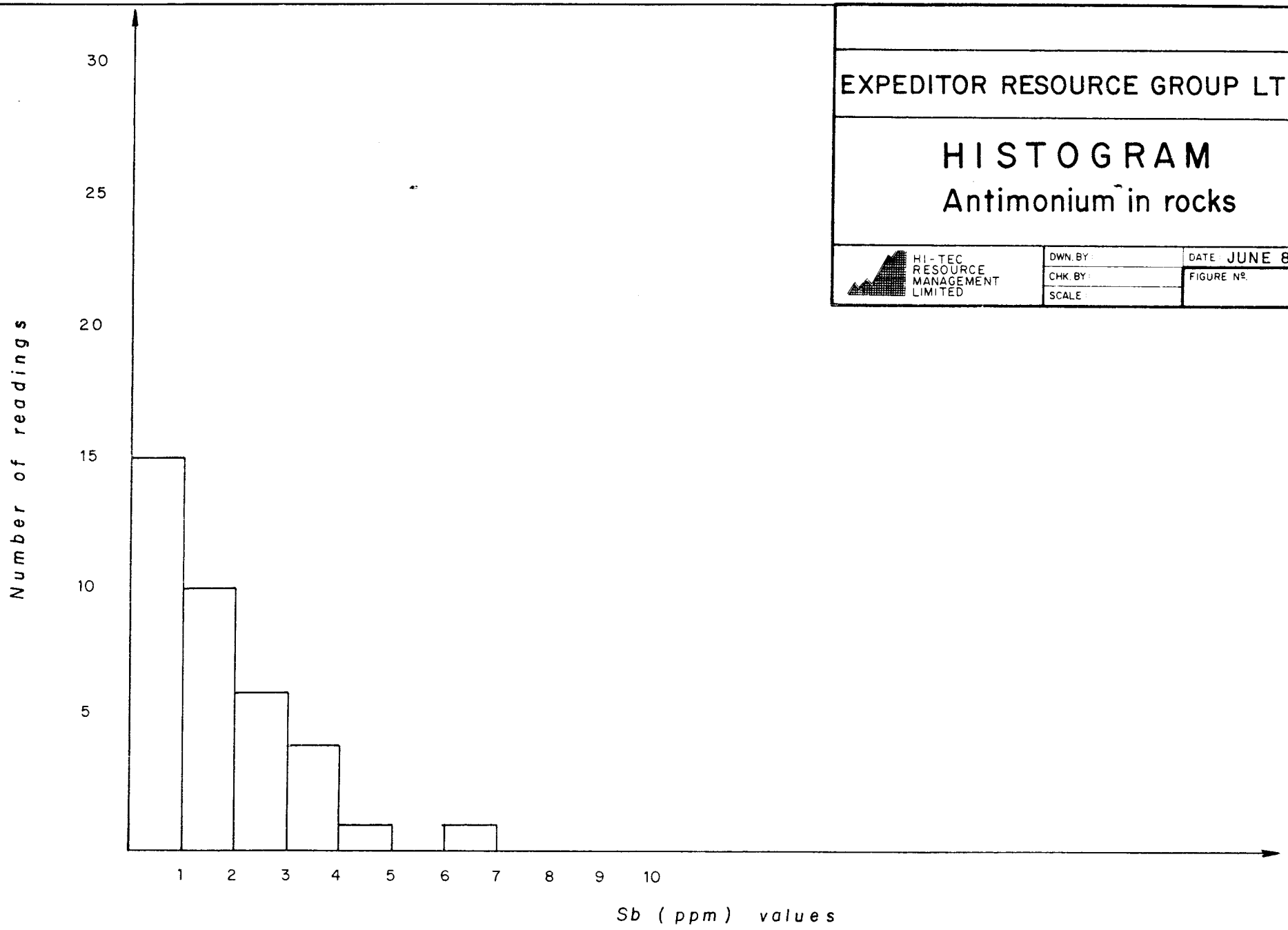
EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Antimonium in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.



EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Lead in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

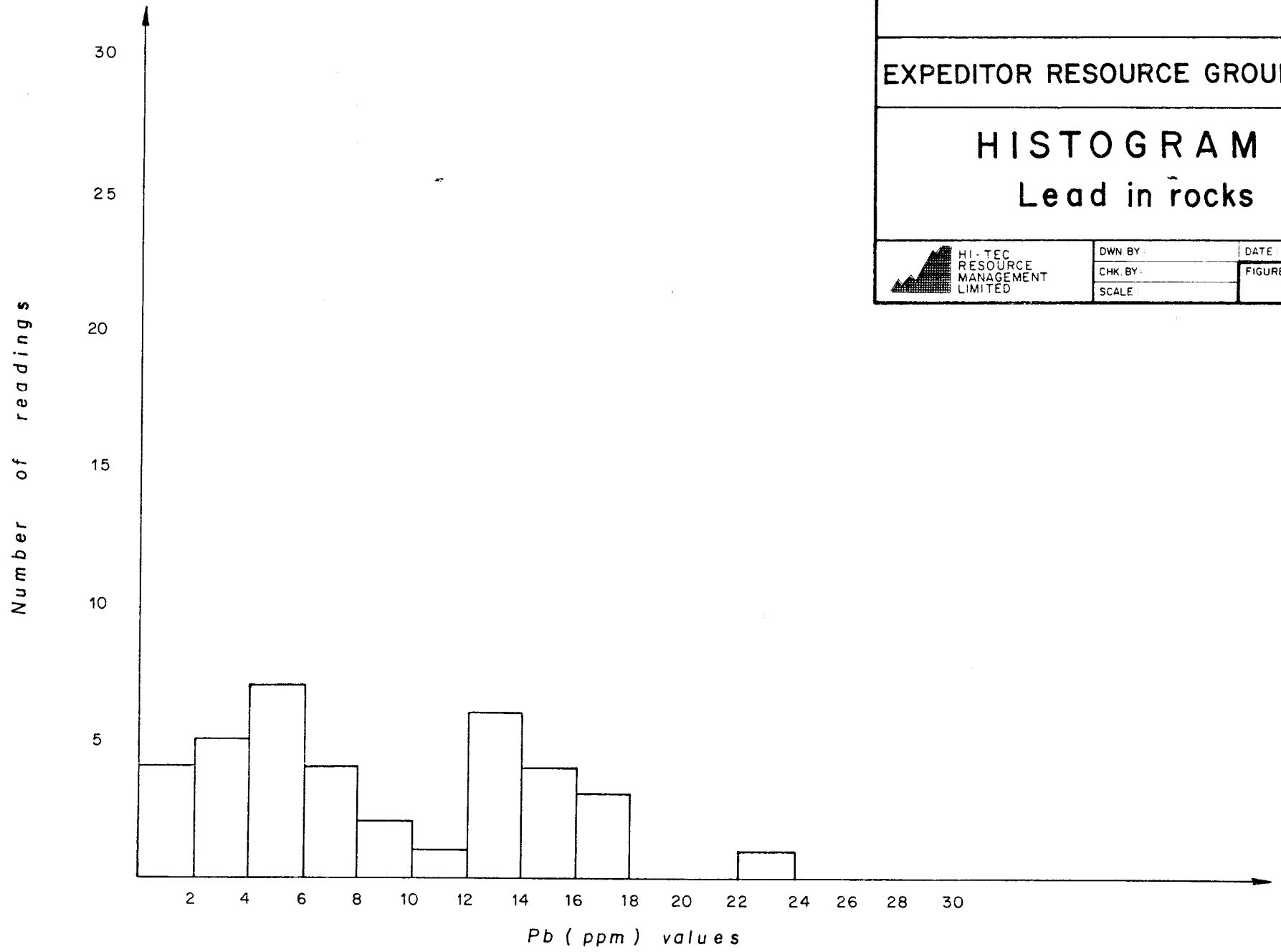
DWN. BY:

CHK. BY:

SCALE:

DATE: JUNE 87

FIGURE Nº.



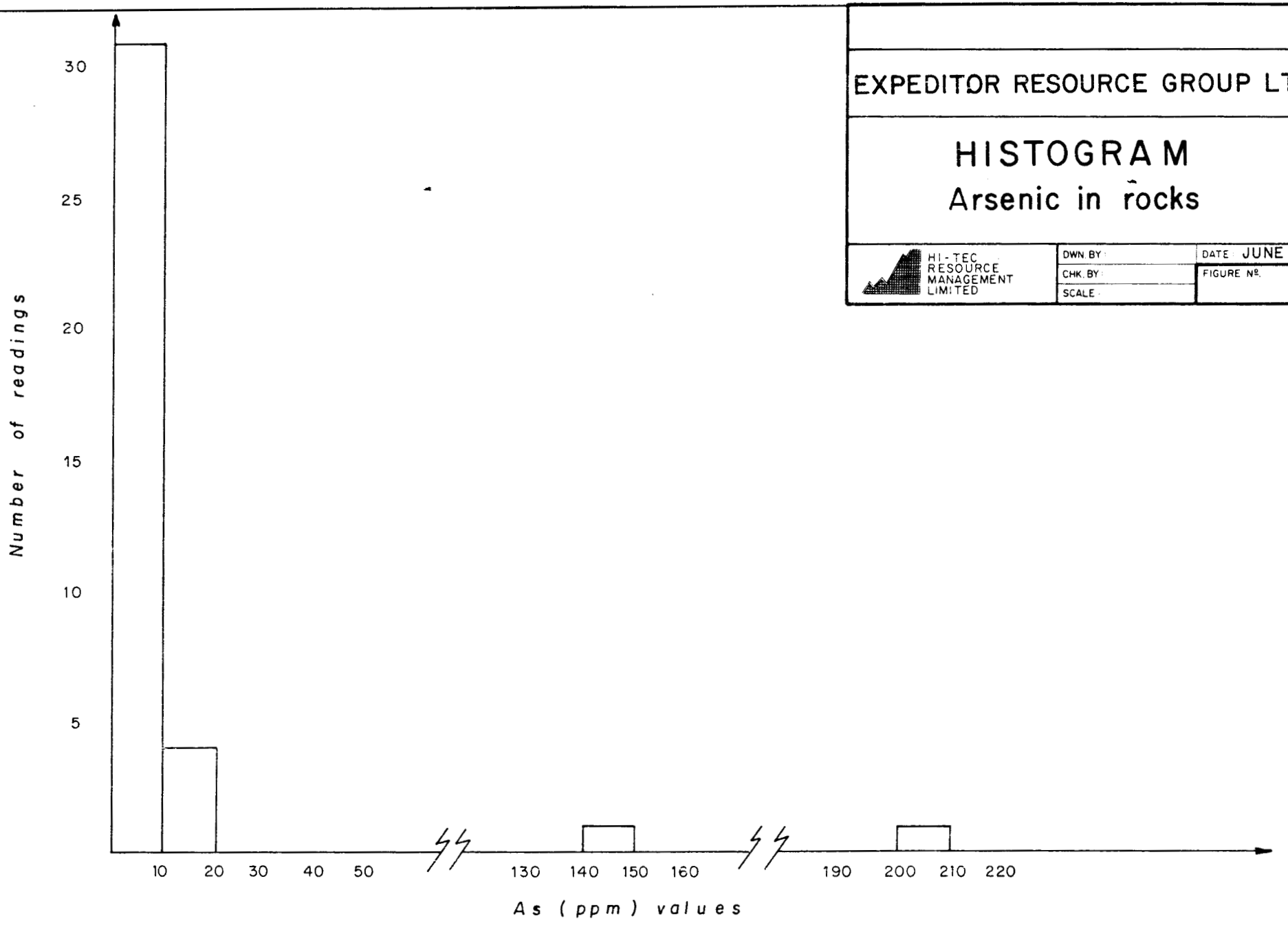
EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Arsenic in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY:
CHK. BY:
SCALE:
DATE: JUNE 87
FIGURE Nº.



EXPEDITOR RESOURCE GROUP LTD.

HISTOGRAM

Copper in rocks

HI-TEC RESOURCE MANAGEMENT LIMITED

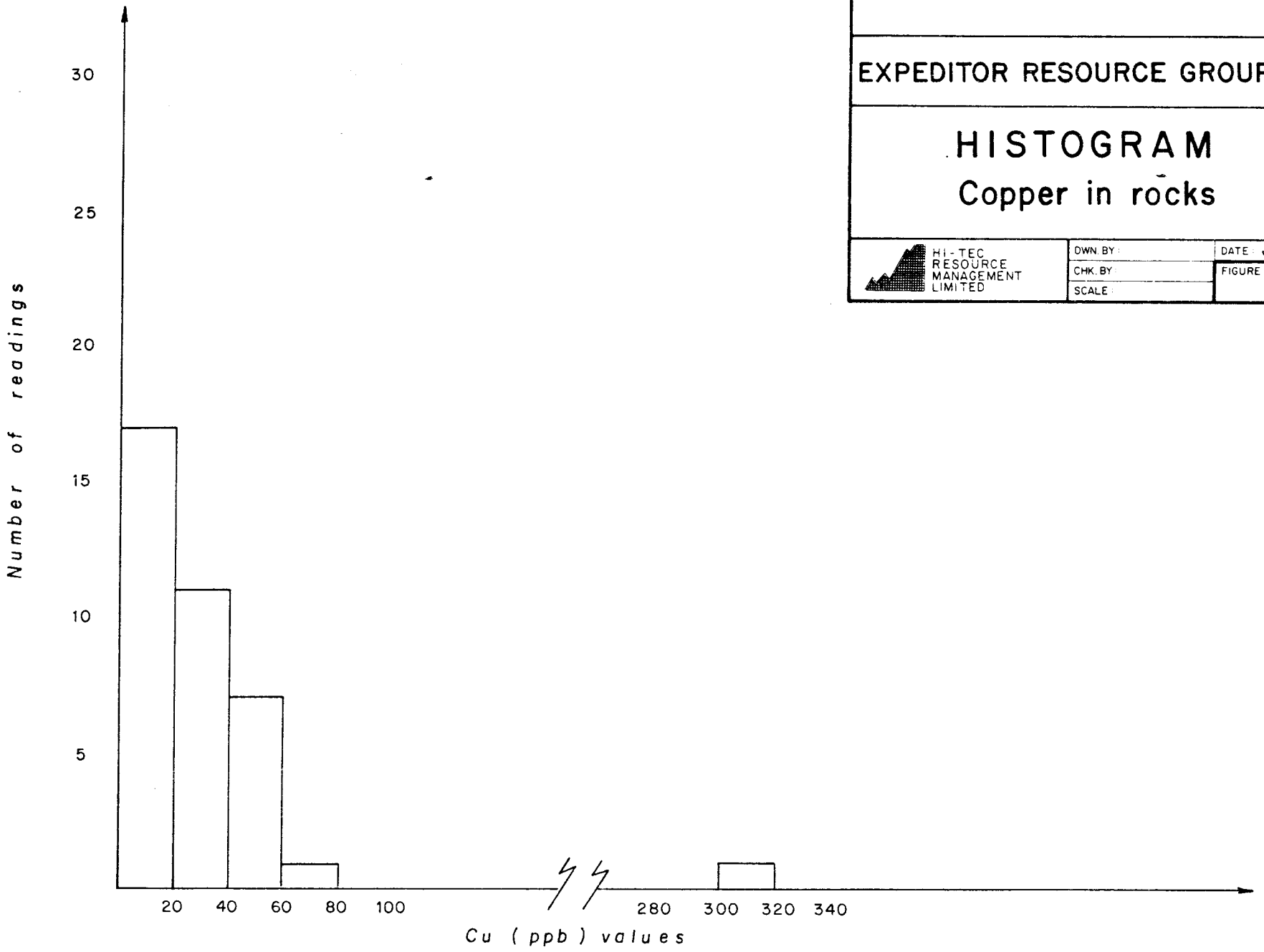
DWN. BY:

CHK. BY:

SCALE:

DATE: JUNE 87

FIGURE Nº.



APPENDIX VI

Description of Rock Chip Samples

DESCRIPTION OF ROCK CHIP SAMPLES

Sample No.	Description
87-EAT-1	Grab sample of 20 cm wide quartz vein in fine grained, felsic gneiss. No visible mineralization in the vein.
87-EAT-2	Grab sample of fine grained, very altered, brownish grey sandstone, striking at N110^{o} with a dip of 70^{o}NE.
87-EAT-3	Grab sample of 30 cm wide quartz vein in fine grained black shale. Quartz veinlets numerous and rusty. Pervasive disseminated pyrite in the shale. Veins usually parallel to bedding. Strike: N 100^{o}; Dip: 60^{o} NNE.
87-EAT-4	Grab sample of fine grained, black shale with pervasive rusted disseminated pyrite.
87-EAT-5	Grab sample of fine to medium grained greenschist zone (1 to 1.5 m wide) located between two intrusive sills.
87-EAT-6	Same location: grab sample of subvertical quartz vein within intrusive sill. No visible mineralization.
87-EAT-7	Same location: grab sample of greenschist north of sills.
87-EAT-8	Same location: grab sample of greenschist south of sills.
87-EAT-9	Grab sample of fine grained greenschist with presence of epidote (pervasive) and with rusty quartz swells.
87-EAT-10	Grab sample of fine grained black schist with pervasive rusted pyrite and numerous quartz stringers.
87-EAT-11	Grab sample of fine grained, relatively altered sandstone.
87-EAT-12	Same location than 87-EAT-11: Grab sample of rusty quartz and black shale filled sheared zone within the sandstone.
87-EAT-13	Grab sample of rusty quartz vein, approx. 35 cm wide within compact, fine grained black shale.

87-EAT-14	Grab sample of quartz veins (up to 20 cm wide) in black shale.
87-EAT-15	Grab sample of quartz swell, slightly rusty, in a small sheared zone within fine to medium grained sandstone.
87-EAT-16	Grab sample of 10 to 25 cm wide quartz vein within black shale.
87-EAT-17	Same location as 87-EAT-16: Grab sample of quartz vein within sandstone.
87-EAT-18	Grab sample of rusty, fine grained, black shale.
87-EAT-19	Same location as 87-EAT-18: Grab sample of 2 to 5 cm wide, rusty quartz vein within the black shale.
87-EAT-20	Grab sample of small sheared zone, approx. 30 cm wide, filled with quartz and black shale.
87-EAT-81	Grab sample of slightly rusty quartz vein within fine grained black shale.
87-EST-4	Grab sample of black phyllite (shale) with iron staining and presence of small quartz vein with pyrite.
87-EST-5	Same location as 87-EST-4: grab sample of fine grained, rusty weathered, with pervasive pyrite black shale-phyllite.
87-EST-6	Grab sample of small 6cm to 8cm vein in gneiss containing quartz and gneiss fragments with chlorite, epidote (?), and biotite alteration, minor magnetite present.
87-EST-7	Grab sample of 1 to 2 cm amphibolite band, with rusty weathering and minor pyrite within felsic gneiss.
87-EST-8	Grab sample of a 3-4 cm wide quartz vein containing minor pyrite within a dioritic dyke.
87-EST-10	Grab sample of rusty medium grained gneiss.
87-EST-14	Same description as 87-EST-10.
87-EST-15	Grab sample of a small, 3 to 4 cm wide, quartz vein in a sheared zone.

87-EST-16	Same location as 87-EST-15: grab sample of sheared gauge showing extensive rusty weathering.
87-EST-17	Same location as 87-EST-15: grab sample of a 10 to 12 cm quartz vein.
87-EST-18	Same location as 87-EST-15: grab sample of a quartz-breccia vein with rusty weathering.
87-EST-19	Grab sample of a 2 to 6 cm wide quartz vein within a rusty gneiss-sandstone.
87-EST-20	Grab sample of a 20 to 30 cm wide quartz vein in sandstone.
87-EST-21	Same location as 87-EST-20: grab sample of rusty sheared sandstone at the quartz vein contact.
87-EST-22	Grab sample of small 2 to 6 cm quartz vein in sandstone.
87-EST-23	Grab sample of 10 cm wide quartz vein, slightly rusted with traces of pyrite in sandstone.

APPENDIX VII

Statement of Costs

STATEMENT OF COSTS

Expeditor Resource Group Ltd.
VG Claim Group
Project 87BC005

Mobilization/Demobilization, Preparation			
R. Arnold (Geologist)	1 day @ $295.00/d	$295.00	
A. Smallwood (Technician)	2 days @ $225.00/d	450.00	
Ferries, Taxi		62.00	
			$ 1,007.00
Room and Board	11 days @ $ 37.50/d		412.50
Truck Rental & Fuel	5.5 days @ $100.00/d		550.00
Samples (Preparation: Ag, As, Cu, Pb, Zn, Sb by ICP Au by F.A.)O			
37 rocks (prep.; ICP; F.A.)	@ $14.50/sample	$ 536.50	
222 soils and silts (prep.; ICP)	@ $ 5.85/sample	1298.70	
183 soils and silts (F.A.)	@ $ 6.50/sample	1189.50	
			$ 3,024.70
Report and Drafting			1,500.00
		Subtotal:	$ 6,494.20
20% Project Management Fee			1,298.84
Salaries			
R. Arnold, Geol.	5.5 days @ $295.00/d	$1622.50	
A. Smallwood, Tech.	5.5 days @ $225.00/d	1237.50	
			2,860.00
		TOTAL:	**$10,653.04**

VG1
VG3

VG2
VAL

TORDON RIVER

GEOLOGICAL BRANCH ASSESSMENT REPORT

16,165

SYMBOLS

- Outcrop
- Foliation: strike-dip
- Fault or shear
- Contact: known, approx., inferred

100 0 100 200
Metres
SCALE 1:5,000

ROCK TYPES

LEECH RIVER FORMATION

UNIT 1 PHYLLITE: Black
2 SCHIST: qtz-biotite
2a: garnet
3 GREENSCHIST
4 GNEISS: qtz-biotite
4a: amphibole gneiss, amphibolite
5 SANDSTONE

INTRUSIVE ROCKS

A DIORITE

PROFESSIONAL GEOLOGIST A. ARNOLD ALBERTA

EXPEDITOR RESOURCE GROUP

SAN JUAN PROJECT

VG CLAIM GROUP

GEOLOGY

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY: A.S.
CHK. BY:
SCALE 1:5,000
DATE: JUNE 87
FIGURE No. 5

ESL-1
EAT-1
ESL-2
ESS-58
ESL-3
EST-4
EAT-3
EST-5
EAT-2
ESS-78
EST-15,16,17,18
EAT-11,12,13,14
EAT-16,17
EAT-4
EST-19
EST 20,2122
EST-23
EAT-81
EAS-80
EAT 18,19
EAT-20
EAT-15
EAS-57
EAS-58
EAS-56
EAT-10
EAT-5,6,7,8
EST-8
EAT-9
EST-7
EST-6
MS255
CS255
VG1
VG3
ESS-31
ESS-30
EAS-27
EAS-28
ESS-24
EAS-21
EES-38
ESS-39
EST 14
EAS-55
ESL-13
ESS-57
EAS-46
EAS-44
EAL-45
ESL-12
ESL-11
ESL-9
EST-10
MS305
CS303
JORDAN RIVER
VG2
VAL
N

GEOLOGICAL BRANCH
ASSESSMENT REPORT

16,165

Legend:

- ==== *Logging roads*
- ——— *Property boundary*
- ⊙ *Claim post*
- ○ *1986 Soil samples*
- ● *1987 Soil samples*
- ▲ *Rock chips samples*
- ■ *Silt samples*

100 0 100 200
Metres
SCALE 1:5,000

PROFESSIONAL GEOLOGIST R. ARNOLD ALBERTA

EXPEDITOR RESOURCE GROUP LTD.

SAN JUAN PROJECT

VG CLAIM GROUP

GEOCHEMISTRY-SAMPLE LOCATIONS

HI-TEC RESOURCE MANAGEMENT LIMITED

DWN. BY: E.B. WYTRWAL
CHK. BY: R. ARNOLD
SCALE 1:5000

DATE: JUNE 1987
FIGURE No. 6