GEOLOGICAL, GEOCHEMICAL AND GEOPHYSICAL

ASSESSMENT REPORT

ON THE

ARROW PROPERTY

Slocan Mining Division
NTS 82K/5&12 , 82L/8&9
Latitude 50° 30' Longitude 118° 00'

Owner & Operator:
Teck Corp.
#600,200 Burrard St.
Vancouver , B.C.
V6C 3L9

G.Evans
November 1992
Kamloops, B.C.

DISCONNECTED
:OM

ARIS SUMMARY SHEET

District Geologist, Nelson Off Confidential: 93.09.03

\SSESSMENT REPORT 22664 MINING DIVISION: Slocan

PROPERTY: Arrow
LOCATION: LAT 50 30 00 LONG 118 00 00
UTM 11 5594484 429077
NTS 082K05W 082K12W 082L08E 082L09E
CLAIM(S): Arrow 1-4
OPERATOR(S): Teck Corp.
AUTHOR(S): Evans, G.
REPORT YEAR: 1992, 92 Pages
COMMODITIES
SEARCHED FOR: Zinc,Lead,Silver
KEYWORDS: Precambrian-Mesozoic,Shuswap Metamorphic Complex,Deformation
Faults,Intrusives,Massive sulphides,Pyrite,Sphalerite,Galena
WORK
DONE: Geological,Geochemical,Geophysical,Physical
GEOL 1375.0 ha
Map(s) - 1; Scale(s) - 1:10 000
LINE 26.3 km
MAGG 22.3 km
Map(s) - 6; Scale(s) - 1:10 000
ROCK 150 sample(s) ;ME
SOIL 500 sample(s) ;ME
Map(s) - 5; Scale(s) - 1:10 000
TREN 1023.0 m 11 trench(es)
Map(s) - 11; Scale(s) - 1:250,1:200,1:100
RELATED
REPORTS: 17979,19243
MINFILE: 082LSE027

TABLE OF CONTENTS

LIST OF FIGURES

APPENDICES

1. INTRODUCTION

During 1992, a program of geological mapping and sampling was carried out over the property with concurrent establishment of a grid used for soil sampling and a magnetometer survey . This work has been compiled at 1:10,000 with widespaced coverage of the entire property . Late in the summer of 1992 a trenching program was conducted to expose more of the mineraliztion outlined during the first phase .

This property was staked to cover previously outlined Shuswap style Zn-Pb-Ag mineraliztion on strike with the Big Ledge deposit as part of a larger regional program .

This report describes the present program and results .

2. LOCATION AND ACCESS (Fig.1)

The Arrow claim block is located near the west shore of Arrow Lake approximately 65 kilometers south of the community of Revelstoke (82K/5&12 ,82L/8&9) 50 30'N and 118 00' West . The property can be accessed via. Highway #23 south of Revelstoke and then taking the Shelter Bay logging road a further 18 kilometers south . At this point follow the Limekiln spur road for 3.1 kilometers to the Odin road which accesses much of the property .

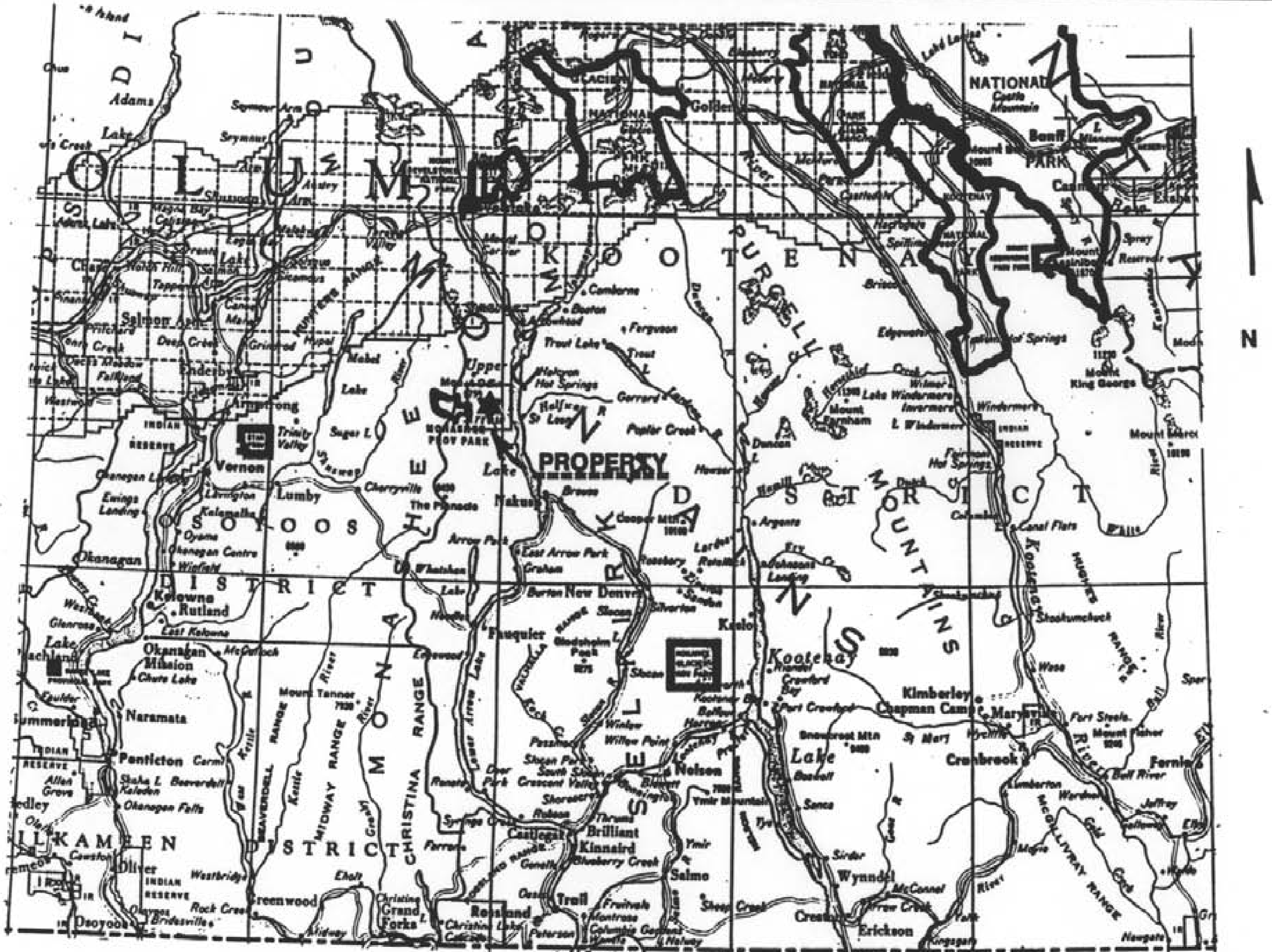
3. TOPOGRAPHY AND VEGETATION

The property is located west of the Upper Arrow Lake and along the eastern side of the Monashee mountain range . The eastern portion of the property is located along the western shore of Arrow lake at an elevation ranging from 500 -1100 meters . The western portions of the property are located to the west of Pingston creek along the base of the hill below Empress Lake with a maximum elevation of 1300 meters .

Vegetation consists of fir and cedar forest with open underbrush at lower elevations , changing to sub-alpine spruce forests at upper elevations . The main land use has been extensive logging . Rainfall is moderate-high in this area which is generally snow covered from October to April.

4. CLAIMS (Fig. 2)

The Arrow claim group is located in the Slocan Mining Division and consists of 55 contiguous units . The property is owned by Teck Corporation of Vancouver . The pertinent data is included in the following table :

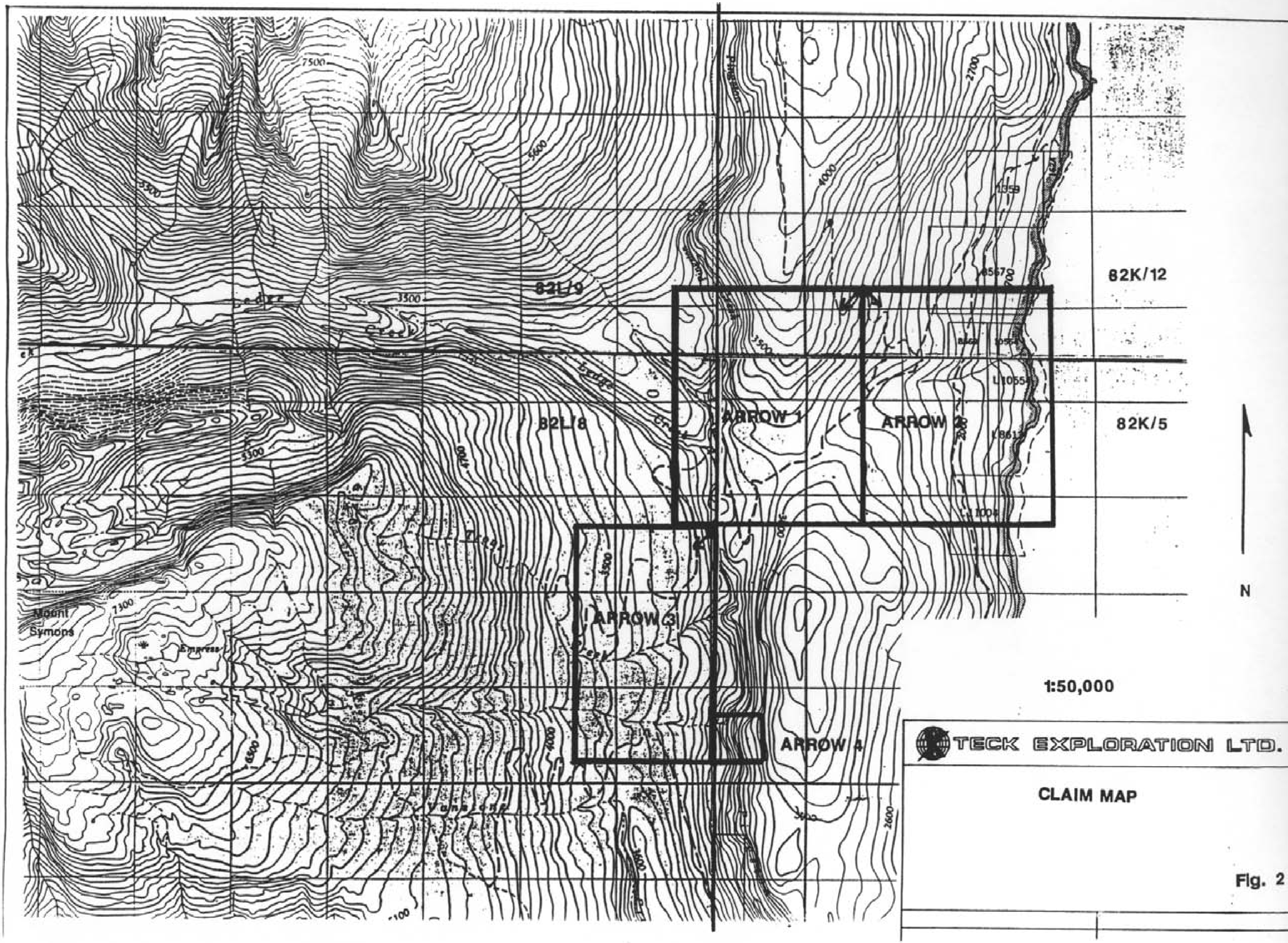


1:2,000,000

TECK EXPLORATION LTD.

LOCATION MAP

Fig. 1



CLAIM MAP

Fig. 2

ARROW CLAIM GROUP

Claim Name	Record #	No.of Units	Record Date	Expiry Date *
Arrow 1	304358	20	09/07/91	09/07/96
Arrow 2	304359	20	09/07/91	09/07/96
Arrow 3	305089	15	10/05/91	10/05/96
Arrow 4	305090	1	10/04/91	10/04/96

TOTAL = 55 units

* Expiry Date upon acceptance of this report .

5. PREVIOUS WORK and HISTORY

The property was staked on the basis of known Shuswap Zn-Pb-Ag style mineraliztion existing on open ground . Mineralization has been explored in this area since the 1890 's when the Big Ledge mineralization was identified near Empress Lake . Various groups worked portions of this mineralized horizon from the 1890's through 1928 including Consolidated Mining and Smelting Co., as underground work and trenching as well as diamond drilling .

In 1947 Cominco consolidated much of the area and actively explored the area which including drilling from 1947 - 1966 . Since then several companies have explored peripheral areas including the Arrow property . These companies include :

1977- Metallgesellschaft and Cyprus Anvil Mining Corp . Mapped the geology in the area of tha Arrow claims .

1980-1981- Esperanza Explorations conducted geochemical , geological and geophysical surveys in the area of the Arrow claims .

1988-1989- Noranda conducted geochemical and geological surveys over select portions of Arrow claims .

1991- Teck Corp. had the property staked .

6. 1992 WORK

The following work was completed on the property :

1) Compassed and flagged grid lines spaced 300 meters apart with stations every 25 meters . Total of 26.25 Km's of grid lines .

2) Soil samples collected every 50 meters along the lines and analyzed for 30 element ICP. Total of 500 soil samples .

3) A magnetometer survey over the two main grid areas with readings taken at 25 meter stations . Total of 22.3 Km's of mag.

4) Geological mapping of the property at 1:10,000 scale .

5) Trenching several of the outlined target areas . 11 Trenches for a total of 1023 meters . Trenches mapped and sampled . 150 rock samples taken .

7. GEOLOGY

a) REGIONAL GEOLOGY (Fig. 3)

This area has seen a wide range of regional mapping with Bulletin 195 by J.E. Reesor and J.M. Moore (1:50,000 scale) providing the foundation along with more recent work by Sharon Carr and Ian Duncan adding further refinement . The area is largely underlain by Shuswap metamorphic rocks intruded by Eocene granodiorites and pegmatites .

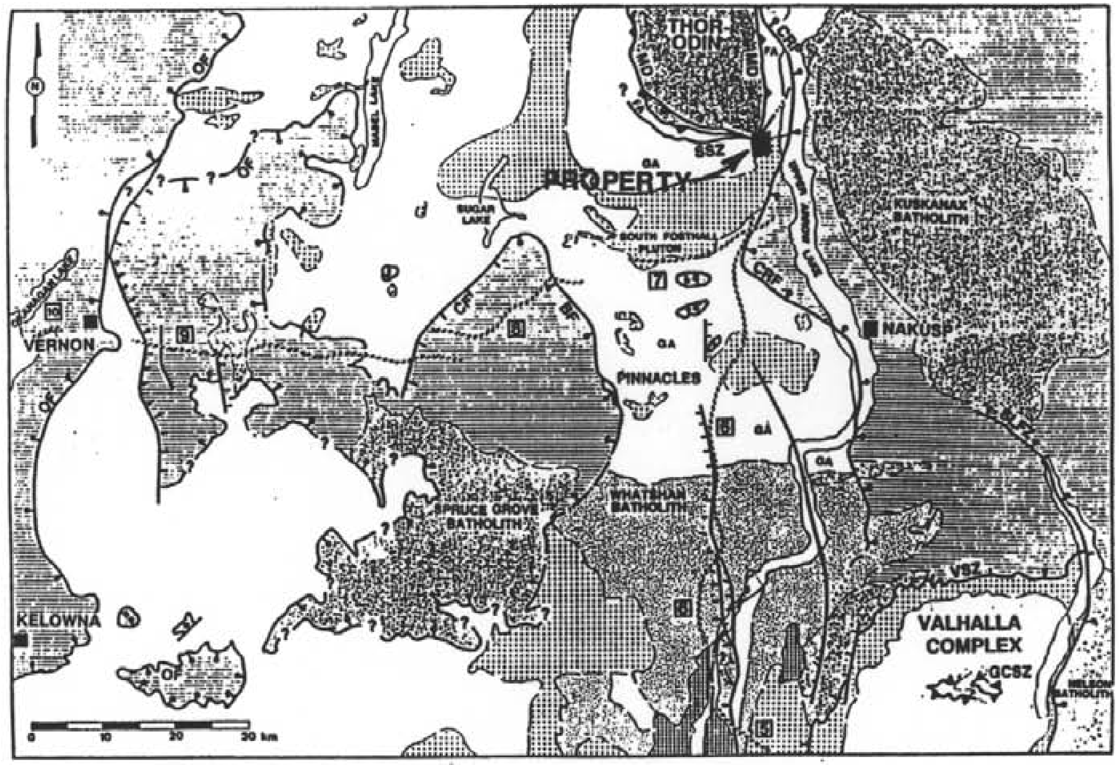
The Shuswap metamorphic rocks belong to the Proterozoic - Mesozoic amphibolite grade complex . Ages of the rocks in the area of the property are poorly understood but recent work by S.Carr suggests much of the thick sequence correlates with the Gold Range assemblage which hosts the Big Ledge deposit which maybe of Cambrian age .

This region is located on the southern margin the Thor-Odin Dome and is seperated from the high grade central gneiss complex by the Slate Mtn. Shear zone and the Monashee decollement . These structures were active during the peak of metamorphism resulting in active thrusting and later denudation of rocks in the area of the Arrow claims over migmatites and granitic gneisses in the core of the Thor-Odin dome .

Rocks of the Gold Range assemblage form a thick overlying sequence consisting of quartzites , marbles , pelites and biotite gneisses as well as amphibolites in various proportions . These rocks have a complex structural history with at least three phases of folding and several stages of faulting . Metamorphism in this area is dominated by sillimanite-almandine-orthoclase facies . It is believed the pegmatite dyke swarms and various granodiorite to monzonite intrusives are related to the Eocene Ladybird Pegmatite formed during the unroofing of the complex .

b) PROPERTY GEOLOGY (Fig. 4)

Greater than 80% of the surface of the Bull property is covered with overburden so that outcrop is limited to cliff faces , road cuts and resistant ridges . Only brief mapping was carried out in the time available and plotted on a 1:10,000 base map covering as much of the property as time permitted .



From Carr, 1989

LEGEND

UPPER CRUSTAL ZONE

MIDDLE JURASSIC NELSON INTRUSIVE SUITE: predominantly granodiorite

PALEOZOIC - LOWER JURASSIC STRATIFIED ROCKS:

MIDDLE CRUSTAL ZONE

LATE PALEOCENE - EARLY EOCENE LADYBIRD GRANITE SUITE: biotite granite, quartz monzonite, leucocratic pegmatite (also includes areas with pegmatite with <50% metamorphic rocks

LATE CRETACEOUS WHATSHAN BATHOLITH (includes Cariboo Creek stock): hornblende biotite bearing K-feldspar megacrystic quartz monzonite, mafic hornblende biotite diorite

LATE PROTEROZOIC - MESOZOIC AMPHIBOLITE FACIES METAMORPHIC ROCKS: FA = Fawn Lake assemblage; GA = Gold Range assemblage

BASEMENT ZONE

PROTEROZOIC CRYSTALLINE BASEMENT AND LATE PROTEROZOIC - (?) CAMBRIAN COVER GNEISSES

GEOLOGIC CONTACT; MAPPED, COMPILED FROM PUBLISHED MAPS, ASSUMED

LOW - MODERATE ANGLE EOCENE NORMAL FAULT (PEGS ON HANGING WALL)

STEEP EOCENE NORMAL FAULT (PEGS ON HANGING WALL)

STEEP EOCENE NORMAL FAULT; SENSE OF DISPLACEMENT UNCERTAIN

6 LITHOPROBE LINE

BF	BEAVEN FAULT
CF	CHERRYVILLE FAULT
CRF	COLUMBIA RIVER FAULT
GCSZ	GWILLIM CREEK SHEAR ZONES
MD	MONASHEE DECOLLEMENT
OF	OKANAGAN VALLEY - EAGLE RIVER FAULT SYSTEM
SLFZ	SLOCAN LAKE FAULT ZONE
SSZ	SLATE MOUNTAIN SHEAR ZONE
VSZ	VALKYR SHEAR ZONE

TECK EXPLORATION LTD.

REGIONAL GEOLOGY

Fig.3

The property is dominated by biotite-sillimanite schists with lesser quartzites, marbles and calcsilicates . The NW corner of Arrow 1 is underlain by extremely mafic garnet bearing amphibolites believed to belong to the Proterozoic Fawn Lake assemblage . These rocks display intense deformation believed to relate to the Slate Mtn. shear zone .

Overlying this sequence is the Fawn Lake assemblage which displays less deformation . This assemblage strikes E-W to N-S with generally moderate to shallow dips to the south or east . The stratigraphy on the property consists of approx. 60% biotite-sillimanite schists (probably a pelitic mud with a tuffaceous mafic volcanic component as a protolith) interbedded with quartzites and amphibolites as well as the occassional marble unit . No tops evidence are preserved and using the "Ledge " horizon as a marker horizon no fold duplications are indicated .

Along the southern edge of Arrow 1 & 2 large sill like bodies of pegmatite and Ladybird intrusives have flooded into the amphibolites and biotite schists without disturbing their orientations . The rest of the property has generally less than 10% Ladybird intrusives . In several places small Tertiary lamprophyre dykes were located with little or no metamorphism indicating they postdate all other events .

Several styles of folding are evident on the property on an outcrop scale . Compositional layering is very close to being paralell to bedding with isoclinal folds common along this axial plane . Limited lineation measurements indicate a shallow easterly plunge . Carr believes there are several stages of folding along this orientation related to the peak of metamorphism . Later broad folds can be seen along Upper Arrow Lake , warping the sequence on a 10-50 meter scale .

Faulting along the foliation is common with no true sense of offset . Late stage faults are apparent along N-S trends ie. Pingston Creek with a left lateral offset which in part maybe a rotational movement .

SHUSWAP ROCK UNIT DESCRIPTIONS

These units are subdivided into general ages but Shuswap rocks are ordered by lithology with no stratigraphic order:

SHUSWAP ROCKS (Proterozoic - Mesozoic)

Unit 1a) - Masive Amphibolite -A medium-coarse grained groundmass dominated by amphiboles with lesser amounts of biotite and plagioclase . Commonly contains varying amounts of .5-2.0 cm almandine garnets in layered amphibolites .

Unit 1b) - Amphibolite w/ Calc-silicate Laminations - The same amphibolite unit as 1a) with alternating bands of quartzites with diopside - tremolite and actinolite . Laminations generally on a one centimeter scale or less .

Unit 1c) - Amphibolite w/ Biotite Schist - The protolith of this unit is likely a mixture of mafic tuffs and pelitic sediments . The resultant metamorphic rock is a mixture of medium grained amphibolites containing an equal amount of micas (both biotite and muscovite) . This rocktype commonly contains sillimanite aggregates .

Unit 2) - Biotite Schist - Well laminated biotite with lesser muscovite bearing schists . Can contain quartzite laminations and occasionally 0.5 cm. almandine garnets . Commonly the surface is strongly gossanous due to the high iron content and trace amounts of disseminated pyrite and pyrrhotite are present .

Unit 3) - Biotite Gneiss - Matrix is dominated by finely laminated medium grained white - grey quartzite with 20-30% biotite schist laminations varying in thickness from 0.5-10.0 cm.

Unit 4) - Quartzite - Medium grained quartzite grains form beds 10-20 cm. in thickness , which display bedding with preferential weathering of certain beds due to change in grain size and carbonate content . Color varies from white to buff or a grey color . Minor rutile , biotite and muscovite grains are present .

Unit 4a) - Quartzite w/ Flake Graphite - Dull grey colored fine grained quartzite with trace-20% disseminated flake graphite grains . Commonly contains 2 - 10% disseminated pyrite and pyrrhotite with trace amounts of disseminated sphalerite .

Unit 4b) - Quartzite w/ Calcsilicate Laminations - Medium grained quartzite takes on a light green color with diopside in the matrix . Occasional laminations of calcsilicates consisting of diopside, tremolite and actinolite . Calcsilicates contain minor grains of rutile, muscovite and biotite .

Unit 5) - Marble - Marble units normally appear as grey massive weathered units grading to dark grey with increasing graphite component . Calcite grains are 1-3mm and bedding is usually apparent with graphitic beds or minor calcsilicate laminations . Occasionally flake graphite disseminations are present within the marble .

Unit 5a) - Calcsilicates +/- Marble - These rocks are a pale green color with beds and pods of marble preferentially eroded . The calcsilicates consist of impure quartzites containing diopside, amphiboles, biotite with minor rutile and muscovite.

JURRASSIC ROCKS (above Columbia and Okanogan Faults)

Unit 6) - Argillite - Graphitic argillite and phyllite with strong slaty cleavage . Bedding is preserved with interbedded graywackes common .

Unit 6a) - Mafic Volcanics - Pervasive chlorite alteration to various mafic volcanic units with a strong schistosity developed . Remnant textures include laminated tuffs , vesicular flows and lappili tuffs .

TERTIARY LADYBIRD LEUCOGRANITE SUITE

Unit 7) - Pegmatites - Coarse grained dykes sills and small plugs of pegmatites are common throughout all rocktypes . Normally the rock is dominated by 0.5 - 1.0 cm. crystals of quartz, alkali feldspars and plagioclase . Varying lesser amounts of biotite, muscovite and tourmaline are also present.

Unit 7a) - Ladybird Granites - These form fine to medium grained stocks and plutons . Compositionally these rocks range from granite to quartz monzonite . Minerals consist of plagioclase alkali feldspar and quartz with access muscovite biotite and occasionally garnet .

EOCENE DYKES

Unit 8) - Lamprophyre Dykes - Occassional unaltered extremely mafic dykes are present . Matrix is a dark brown fine grained biotite , amphibole and mafic minerals with ocassional vesicles and calcite filled amygdules .

8. " LEDGE " HORIZON & MINERALIZATION

The " Ledge " horizon is a distinctive quartzite package that hosts the Zn-Pb-Ag mineralization accross the width of the property . This horizon can be traced for 1500 meters trending NE on the west side of Pingston Creek and for a further 2500 meters through the central portion of Arrow 1 & 2 again trending NE . The horizon where exposed is surprisingly consistent with a 40 meter true thickness .

A distinctive quartzite containing 2-20% flake graphite and trace to 10% disseminated sulphides (py,po,sp) is the dominant lithology with lesser massive sulphides , calcsilicates , marbles and rare biotite-sillimanite schists .

This horizon contains 5-75% sections of massive sulphides consisting of pyrrhotite, pyrite, sphalerite, galena and trace amounts of chalcopyrite . These multiple horizons have been the focus of previous work to assess the economic mineral potential . Generally near the sulphide zones the quartzite has a calcsilicate component and occasionally thin marble units are present . While the thickness of this horizon is unusually large, in many respects it is a typical Shuswap style Zn-Pb-Ag system . The sulphides appear crudely zoned with Pb dominant sections associated with narrow marble horizons . The most common form of mineralization is massive fine grained-medium grained pyrrhotite with disseminated pyrite and sphalerite . The highest grade Zn mineralization appears related to medium grained semi-massive sulphides consisting of sphalerite and pyrite . Normally the graphitic and calcsilicate rich quartzites also contain 0.1-3.0 % disseminated Zn .

Alteration is essentially absent (minor barite , muscovite) which supports a possible syngenetic origin for this system which maybe a form of Sed-ex Zn-Pb system . Footwall and hangingwall units show no obvious alteration with no mineralization present supporting a stratiform origin of the mineralization . The true thicknesses of the sulphide mineralization are often difficult to estimate due to the dip slope nature of of the horizon exposed on the property as well as the mineralization having undergone the same intense deformation as the host rocks .

9. SOIL GEOCHEMISTRY (Figs. 5 - 9)

Samples were collected along 14 lines spaced at right angles to the stratigraphy every 50 meters for a total of 500 samples . Samples were collected from the B horizon which varied in depth from 25-80 cm's and sample details were noted at each site .

Samples were sent to Echo-Tech Labs Laboratories Ltd. in Kamloops B.C. and were analyzed for the 30 element ICP package . This package includes Zn, Cd, Pb, Ag, Cu, Ni, Ca, Mg, Fe, Mn, Mo, V, Co, Cr, Bi, As, Sb, Ba, Al, K, Na, Sr, Sn, W, La, Y, B, P, Ti, and U. See the appendix #IV for details of the analytical procedure .

Results were put through a preliminary statistical package to determine useful elements which were plotted on the maps included in this report . These include Pb, Zn, Ni, Mn and Ag .

SOIL STATISTICS FOR THE ARROW PROPERTY

PERCENTILE	**Zn(ppm)**	**Pb(ppm)**	**Ag(ppm)**	**Mn(ppm)**	**Ni(ppm)**
Minimum	12	<2	<.2	46	5
75%	121	10	.2	361	24
95%	291	18	.2	927	58
Maximum	1398	1022	.6	2907	453

Zinc outlines the "Ledge" horizon in both the western grid ,to the west of Pingston creek (L0E-L12E) and along the eastern portion of the eastern grid area (L27E-L42E) . The soils reflect the horizon quite clearly (200-1398 ppm Zn range) with a general dispersion to the south reflecting down slope and dispersion along glacial movement to the south .

Lead shows a weak correlation with zinc with the most pronounced anomalies almost directly above the horizon (ie. L0E and L33E with Pb values in the 276-1022 ppm range) .This corresponds to both the lower Pb content in the mineralization and the lower mobility of lead in carbonate rich soils . Silver showed up as being incredibly uniform low values with only four spot anomalies over the background of .2ppm Ag

Nickel shows several anomalous areas which in general do not correspond to Zn-Pb anomalies except L42E ie. , the elevated Ni values may in part be related to elevated Ni values within the amphibolites in the areas to the south of the ledge horizon . Mn has several large anomalous areas which in part include the ledge horizon (L0E-L9E as well as L36E and L42E) . Mn also idicates anomalous areas in several regions (particularly the southern portion of the eastern grid) underlain by biotite-amphibolite schists reflecting their high primary? Mn content .

Other elements not plotted but which appear to correspond with the Pb-Zn anomalies include Cd, Fe, V, Ba and possibly As and P.

10. MAGNETOMETER SURVEY (Figs 10 A&B - 12 A&B)

Magnetic surveys have proved quite effective at locating Shuswap style mineralization including previous surveys over the Big Ledge .

In 1992 a Geometrics Model G-816 portable proton magnetometer was used on the western and eastern grid lines with multiple readings taken at every 25 meter station (Total of 22.3 Km's along both the west and east grids) . For drift corrections base station points were established and daily and hourly corrections were made where necessary .

Plots were made of these recce grids (Figs.11 & 12) with a background of approximately 57,500 gammas . From this a contrast of as much as 2000+ gammas has been seen over pyrrhotite bearing massive sulphide zones but the magnetic anomalies do not show a direct relationship with the massive sulphides . In several cases massive po-sp zones do not have a signifigant magnetic signature . In other instances ie. L9E and L12E magnetic anomalies with values of 2000+ gammas are not related to sulphides but rather amphibolites and calcsilicates which contain disseminated magnetite . More subdued anomalies (200-500+ gammas) in the northern portion of the eastern grid correspond to amphibolite units .

11. TRENCHING(Appendix V for Trench Maps & Sample Description)

During the latter part of August and early September 12 trenches were completed for a total of 1023 meters (See Fig.4 for location) .
Trenches 3A, 3C, 3F, 4, 5C, 7, 8, 9, 10, and 11 encountered the "ledge" horizon with various grades . A brief summary of each trench is included in the following section :

TRENCH # 1

LOCATION- (N.End @ 9+50E,1+50S and trends S. for 79 meters)

Trench # 1 tested a strong magnetic anomaly located at 1+50 S on L9E . The magnetic anomaly appears related to amphibolites and calcsilicates with disseminated magnetite rather than the "ledge" horizon . This sequence forms the structural hangingwall to the mineralization and consists of mixed amphibolites, calcsilicates and quartzites interbedded on 10cm-2meter intervals . Zn soil anomalies are present above this trench and are likely related to massive sulphide float boulders (ie. #708A- 3.14% Zn) encountered in the trench . Trace to 1% po and py were seen in the amphibolites but only trace amounts of Pb and Zn were present in the rock sampling (Max. 158ppm Pb and 365 ppm Zn) . 19 rock chip samples collected were collected (series # 41701-719) .

TRENCH # 2

LOCATION- (N.End @ 8+50E, 0+30S and trends @ 160 for 175 meters - for a total of 122 meters)

Trench # 2 tested the same magnetic and soil geochemical anomalies with similar results to trench # 1 . Again the magnetic anomaly appears related to amphibolites and calcsilicates with disseminated magnetite as well as 3% disseminated po . Several massive sulphide boulders were encountered along the length of the trench and likely are the source of the soil geochemical anomaly . 36 rock chip samples were collected over the length of the trench with no signifigant base metal values (series # 41720-755) .

TRENCH # 3A, 3C, and 3F

These trenches opened up mineralization exposed along an old cat trail between L9E and L12E north of Sunshine Creek . Much of the exposed mineralization is along the dip slope so true thicknesses are difficult to estimate .

TRENCH # 3A

LOCATION-(Intersection of Tee in trench @ L12E, 4+25N w/ 47 meters trenched .)

This trench uncovered a portion of the ledge horizon approximately 10 meters in true thickness . At least two and possibly three massive sulphide sections were exposed within sugary quartzite containing disseminated sulphides and flake graphite . 15 rock chip samples were collected (series # 41827-841) . Values in individual samples ranged as high as 4.5% Zn, .45% Pb and 4.9ppm Ag . Fifteen rock chip samples were taken (series 41827- 41841) .

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
3A	10.2 m	5.4 m	Qtz. & MS	3.3	0.2	3.0
other	2.0 m	1.1 m	MS	1.6	0.1	4.5
other	6.3 m	2.8 m	Qtz & MS	2.8	0.3	2.4

TRENCH #3C

LOCATION- (Center of trench 11E, 3+25N - w/ 30 meters trenched)

The trench was located along an old skid trail and exposed a section of the "ledge" horizon . Again much of the exposure is dip slope but it is estimated a true width of six meters was exposed . At least two massive sulphide horizons were exposed within quartzites with the highest values from these strongly oxidized zones being 2.22% Zn, .46% Pb and 4.3ppm Ag . Eight rock chip samples were taken (series 41819-41826) .

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
3C	10.0 m	6.0 m	Qtz. & MS	2.4	0.2	1.2
other	8.0 m	4.0 m	MS	3.5	0.1	2.1

TRENCH #3F

LOCATION- (NE end of trench @ 9+20E, 1+30N w/ 28 meters of trenching)

This trench exposed the upper section of the "ledge" horizon with a thin sliver of the hangingwall biotite sillimanite schists exposed in the SW corner of the trench . Massive po,sp lenses are exposed within mineralized quartzites which are mixed with calcsilicates . The highest grades were found in diopside bearing quartzites with stringers and disseminations of py,sp with maximum values of 3.22% Zn, .69% Pb and 24.5ppm Ag . This trench is estimated to have exposed the upper 8.2 meters (true thickness) of the "ledge" horizon at this location . The Pb and Ag values are higher than usual in this trench and are likely related to the higher carbonate component . Twelve rock chip samples were taken (series 41806-41817)

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
3F	11.5 m	8.2 m	Qtz & MS	11	0.5	2.1
includes	3.5 m	2.5 m	Qtz. w/ dissem	25	0.7	3.2

TRENCH #4

LOCATION- (@ Sulphide Exposure 8+70E, 0+80N w/ a total of 105 meters of trenching .)

This trench was planned to expose the horizon near mineralized subcrop . Unfortunately overburden was much thicker than anticipated and only a large block of massive sulphides was exposed in the entire 105 meters of trenching . The massive sulphides consist of massive po,py,sp and ga with maximum values of 3.4% Zn, 1.7% Pb and 13ppm Ag over a surface width of 3.4 meters . Three rock samples were taken (41761,62 and TR-4-6) .

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
4	3.7 m	?	MS	3.0	0.3	1.4
4	3.4	?	MS	13	1.7	3.4
4	Zone	?	MS	11	1.4	3.2

TRENCH #5A

LOCATION- (N. end @ 2+90E, 0+20S w/ a total of 15 meters of trenching.)

This trench tested a magnetic anomaly in what turned out to be well into the footwall biotite-sillimanite schists . Minor marbles and quartzites were encountered but no signifigant mineralization is present . No rock samples were taken .

TRENCH #5B

LOCATION- (N. end @ 2+90E, 0+55S w/ a total of 13 meters of trenching.)

This trench again encountered the biotite-sillimanite schists in the footwall of the "ledge" horizon . No mineralization was encountered and no samples were taken .

TRENCH #5C

LOCATION- (N. end @ 2+90E, 0+95S w/ a total of 72 meters of trenching.)

This trench intersected the main "ledge" horizon with an apparent horizontal width of 31 meters . Both immediate hangingwall and footwall to this horizon were exposed and consist of biotite-sillimanite schists . The horizon consists dominantly of quartzites with disseminated graphite and sulphides and varying amounts of diopside .

Mineralization is present as disseminated and veinlets of sp throughout the horizon but two main intervals of massive to semi-massive sulphides were exposed in the trench . Zone "A" is the southernmost zone from 31 - 42 meters and consists of semi-massive sulphides (20-40%) py > po with sp and ga associated with diopside rich quartzite with occasional 10-30 cm. marble beds . Surrounding quartzites contain 1.0-3.2 % Zn with the semi-massive sulphides containing up to 6.8% Zn, .2% Pb and 7.6ppm Ag . Zone "B" from 50 - 57 meters consists of massive sulphides dominated by po with lesser amounts of py, sp, and ga . Maximum values in this zone are up to 7.7% Zn, .35% Pb and 5.9ppm Ag .

In general foliation suggests an E-W strike with a dip of approximately 45 degrees to the south for this sequence but portions of the package eg. zone "A" indicate a vertical dip with a shallow easterly plunge . In trench 5C 41 rock chip samples were collected (series # 41763 - 41803) .

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
5C Zone A	9.7 m	~ 9.7 m	Diop. Qtz. w/ MS	2.7	0.1	2.4
includes	1.0 m	1.0 m	semi-mass sp	7.6	0.2	6.8
5C Zone B	8.6 m	~ 8.6 m	MS & Diop. Qtz.	2.6	0.1	2.1
includes	2.2 m	2.2 m	MS Po & Sp	2.9	0.1	5.6
includes	0.7 m	0.7 m	Semi MS	2.6	0.1	7.7
5C	1.3 m	1.3 m	Qtz.	0.6	-	0.8

TRENCH #6 was placed 50 meters to the east of trench 5C but could not reach bedrock and was abandoned .

TRENCH #7

LOCATION- (The SE end of the trench is located @ L39E, and 0+88 N w/ 115 meters trenched .)

The trench encountered an E-W striking and shallow southerly dipping sequence of quartzites containing 5-40% flake graphite with trace -5% disseminated po and py . This sequence underlies a Zn soil anomaly and is believed to be the "ledge" horizon . Very little mineralization was seen in the sequence and of 12 rock chip samples taken (TR 7 1-12 series) only sample TR-7-2 had any values with .3% Zn .

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
7	4.5 m	3.0 m	Qtz	0.4	-	0.3

TRENCH #8

LOCATION- (N. end of trench @ 41+95E, 4+10N w/ 71 meters trenched .)

The trench again uncovered weakly mineralized graphitic bearing quartzites of the "ledge" horizon similar to Trench #7 . The sequence strikes to the NE in this area with a shallow dip to the SE which is almost dip-slope . Only 7 rock chip samples were taken (TR-8-1 to 7) , with the maximum value of 1.22% Zn.

TRENCH #	WIDTH	TRUE WIDTH	GEOLOGY	Ag g/t	Pb%	Zn %
8	7.0 m	2.0 m	Quartzite (Graph)	0.2	-	0.1
8	3.0 m	~1.0	Semi-MS (py)	0.3	-	1.2

TRENCH #9

LOCATION- (N. end of trench @ 27+25E, 0+08S w/ 125 meters trenched .)

The trench uncovered a large section of biotite-sillimanite schists in the footwall of the "ledge" horizon . Towards the south end of the trench the "ledge" horizon was encountered for a short distance . Narrow ~1 meter lenses assayed as much as 4.5% Zn , .45% Pb and 4.9 g/t Ag but most of the horizon is covered in deep overburden . 11 rock chip samples were taken (series 41842 -41852) .

TRENCH #10

LOCATION- (N. end of trench @ 28+75E, 0+10 N w/ 75 meters trenched .)

This trench was placed paralel to trench # 9 150 meters along strike to the east . The trench again uncovered a large section of the structural footwall which consists of biotite - sillimanite schists . Unfortunately the "ledge" horizon was covered by deep glacial outwash deposits and could not be exposed in this trench . No rock samples were taken .

TRENCH #11

LOCATION- (W. end of trench @ 30+05E, 0+60N w/ 126 meters trenched .)

This trench uncovered a large section of the "ledge" horizon along strike . 12 massive sulphide sections were uncovered within graphitic and calcsilicate rich quartzites . The mineralization is often near dip slope and complex structures including isoclinal folds were encountered . For these reasons it is felt that several of these horizons are replications of the same horizon .

26 rock chip samples were taken (series 41871 - 896) with only low values eg. maximum values of 1.74% Zn, .15% Pb and 4.8 ppm Ag . It is estimated that the maximum true thickness of the sequence exposed in this trench is approximately 15 meters .

TRENCH #	**WIDTH**	**TRUE WIDTH**	**GEOLOGY**	**Ag g/t**	**Pb%**	**Zn %**
11	63 m	> 15 m	Qtz. & MS	1.5	-	0.8

12. CONCLUSIONS AND RECOMMENDATIONS

The Arrow property covers a package of stratigraphy which correlates to stratigraphy hosting Shuswap type Pb-Zn mineraliztion known as the "ledge" horizon . This horizon was outlined over 4.5 km's of strike length on the property with mapping , soil sampling (Pb,Zn anomalies) and erratic magnetic anomalies . This was followed up by a trench program which exposed the horizon in several locations .

The "ledge" horizon is a persistent horizon which averages 40 meters in true thickness and is dominated by mineralized graphite bearing quartzites with lesser amounts of massive sulphides, calcsilicates and marbles . Zn is the dominant commodity with values in the 0.5-8.0% range with lesser amounts of Pb and Ag . Mineralized sections can attain greater than 30 meter true thicknesses and the moderate to shallow dip makes this an attractive open pit target .

To determine the economic potential a diamond drill program should be conducted . The most promising area from work to date is the area along the west grid . Issues that need to be resolved include structures controlling mineralization and primary? metal zonation .

REFERENCES

S. Carr — Implications of Ladybird granite in the Thor-Odin - -Pinnacles area, pp.79 ,GSC 89-1E Current Research .

I. Duncan — The Evoloution of the Thor-Odin Gneiss Dome and Related Geochronological Studies , PhD @ U.B.C. , 1982

G. Gill — Geological/Geochemical Survey on the Pingston Group of Claims , BCDM AR# 19,243 & 17,979 1989, 1988

P. Read — G.S.C.-O.F.# 464 Lardeau - West Half

J.E. Reesor and J.M. Moore Jr. — G.S.C. Bulletin #195 Petrology and structure of Thor-Odin Gneiss Dome ,Shuswap Metamorphic Complex .

APPENDIX 1

Statement of Qualifications

STATEMENT OF QUALIFICATIONS

I , Graeme Evans , do certify that:

1) I am a geologist and have practiced my profession for the last ten years .

2) I graduated from the University of British Columbia , Vancouver , British Columbia with a Bachelor of Science degree in Geology (1983).

3) I was actively involved and supervised the Arrow program and authored the report herein .

4) All data contained in this report and conclusions drawn from it are true and accurate to the best of my knowledge.

5) I hold no personal interest, direct or indirect in the Arrow property which is the subject of this report .

Graeme Evans
Project Geologist
November , 1992

APENDIX II

Cost Statement

STATEMENT OF EXPENDITURE

1. GEOLOGY & TRENCH MAPPING	
Fred Daley (Exploration Manager) 1 Day @ $311.20 /day	$ 311.20
Graeme Evans (Project Geologist) 23 Days @ $271.15 /day (July 4-12, Aug 12-18, Sept1-7)	$ 6236.45
Hugh Stewart (U.B.C. Eng. Student) 40 Days @ $195.75 /day (July 4-12, Aug 14- Sept 7)	$ 7830.00
2. SOIL SURVEY & GRID WORK Discovery Consultants Crew (3 Men) 18 Man Days + Vehicles + Accom.	$ 7792.75
3. ANALYTICAL COSTS 500 Soil Samples for 30 element ICP @ Eco-Tech Labs $ 7.28 /sample	$ 3640.00
150 Rock Chip samples for 30 element ICP @ Eco-Tech Labs $ 10.30/sample	$ 1545.00
54 Rock samples assayed for Zn, Pb, Ag @ Eco-Tech Labs $ 26.00/sample	$ 1404.00
4. TRANSPORTATION 40 Days @ $70 /Day	$ 2800.00
6. FOOD & ACCOMMADATION 63 Man Days @ $ 60/day	$ 3780.00
7. TRENCHING J.D.690 of H.J. Ready Mix of Revelstoke 105 hrs. @ $90/hr	$ 9450.00
8. MAP PROCESSING & REPORT	
Drafting, Compilation etc. Steve Archibald 10 days @ $180.00/day	$ 1800.00
Report Writing & Preparation Graeme Evans 8 Days @ $271.15/day	$ 2169.20
Prints, copies & materials	$ 525.00
TOTAL	**$49,283.60**

APENDIX III

Certificate of Analysis (Soils)

Final

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L 0E 10 + 00N	57	<1	4	<0.2	26	7	0.07	0.34	3.81	411	1	51	10	26	<5
L 0E 9 + 50N	97	<1	2	<0.2	43	43	0.45	1.92	4.07	320	<1	102	28	151	<5
L 0E 9 + 00N	73	<1	8	<0.2	20	11	0.12	0.27	3.93	187	1	63	13	36	5
L 0E 8 + 50N	106	<1	6	<0.2	29	24	0.13	0.76	3.87	264	<1	71	29	55	<5
L 0E 8 + 00N	128	<1	10	<0.2	13	15	0.21	0.43	2.96	466	1	40	12	23	<5
L 0E 7 + 50N	68	<1	12	<0.2	18	10	0.10	0.59	3.70	268	1	56	22	36	5
L 0E 7 + 00N	69	<1	6	<0.2	23	22	0.42	0.58	2.66	546	<1	42	26	41	<5
L 0E 6 + 50N	42	<1	12	<0.2	20	12	0.12	0.30	4.07	76	1	60	14	35	<5
L 0E 6 + 00N	40	<1	12	<0.2	13	5	0.10	0.10	2.71	136	<1	40	9	7	<5
L 0E 5 + 50N	71	<1	6	<0.2	27	22	0.11	0.59	4.77	222	3	53	21	37	<5
L 0E 5 + 00N	56	<1	2	<0.2	15	16	0.22	0.60	3.10	163	<1	50	14	38	<5
L 0E 4 + 50N	84	<1	6	<0.2	20	21	0.12	0.65	2.90	168	1	51	18	48	<5
L 0E 4 + 00N	66	<1	10	<0.2	20	13	0.08	0.39	2.90	118	<1	43	14	24	<5
L 0E 3 + 50N	114	<1	10	<0.2	34	46	0.29	2.21	3.89	164	<1	61	30	478	5
L 0E 3 + 00N	27	<1	4	<0.2	14	5	0.06	0.08	2.50	65	<1	24	6	8	<5
L 0E 2 + 50N	66	<1	4	<0.2	25	30	1.36	0.32	2.47	272	1	31	15	14	<5
L 0E 2 + 00N	91	<1	16	<0.2	28	8	0.18	1.16	4.48	218	2	84	17	57	<5
L 0E 1 + 50N	52	<1	10	<0.2	20	10	0.07	0.33	5.02	351	1	64	12	36	5
L 0E 1 + 00N	77	<1	10	<0.2	23	11	0.33	1.32	7.64	185	<1	165	25	86	10
L 0E 0 + 50N	137	<1	8	<0.2	45	46	0.17	0.97	4.24	614	1	68	27	54	<5
L 0E 0 + 00S BL	76	<1	4	<0.2	17	10	0.23	0.33	3.03	1264	2	44	19	28	<5
L 0E 0 + 50S	71	<1	4	<0.2	10	16	0.24	0.43	2.71	141	<1	37	13	24	<5
L 0E 1 + 00S	105	<1	6	<0.2	8	9	0.18	0.41	2.71	823	<1	44	12	20	<5
L 0E 1 + 50S	[illegible]	<1	540	<0.2	11	13	0.22	0.13	11.41	810	9	194	14	18	10
L 0E 2 + 00S	1138	<1	276	<0.2	22	16	0.17	0.28	6.64	125	15	295	8	29	<5
L 0E 2 + 50S	113	<1	4	<0.2	11	11	0.34	0.57	2.57	180	<1	47	12	29	<5
L 0E 3 + 00S	333	<1	8	<0.2	12	15	0.18	0.55	3.22	144	1	61	13	34	<5
L 0E 3 + 50S	297	<1	8	<0.2	10	13	0.15	0.48	3.06	124	1	59	12	30	5
L 0E 4 + 00S	117	<1	8	<0.2	11	14	0.09	0.54	4.23	132	1	65	14	37	<5
L 0E 4 + 50S	187	<1	10	<0.2	9	12	0.13	0.38	2.60	172	<1	39	15	25	<5
L 0E 5 + 00S	142	<1	4	<0.2	10	15	0.13	0.47	2.54	142	<1	43	14	27	<5
L 0E 5 + 50S	129	<1	8	<0.2	12	9	0.19	0.18	3.85	623	<1	42	21	29	<5
L 0E 6 + 00S	150	<1	10	<0.2	22	18	0.16	0.63	3.29	312	<1	51	17	35	<5
L 0E 6 + 50S	132	<1	4	<0.2	9	12	0.10	0.35	2.01	255	<1	32	11	19	<5
L 0E 7 + 00S	88	<1	2	<0.2	17	21	0.17	0.42	2.39	263	<1	42	17	22	<5
L 0E 7 + 50S	[illegible]	<1	10	<0.2	9	13	0.28	0.44	3.01	125	<1	51	13	28	<5
L 0E 8 + 00S	77	<1	6	<0.2	32	22	0.73	0.55	2.57	142	<1	36	13	31	<5
L 0E 8 + 50S	59	<1	4	<0.2	23	22	0.14	0.62	2.42	165	<1	39	15	33	<5
L 0E 9 + 00S	62	<1	8	<0.2	11	7	0.10	0.19	3.08	94	1	45	9	23	<5
L 0E 9 + 50S	109	<1	8	<0.2	25	14	0.15	0.47	3.18	987	1	58	14	30	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L 0E 10 + 00N	<5	<5	85	5.16	0.20	0.01	6	<20	<10	<10	17	<2	1370	0.23	<10
L 0E 9 + 50N	<5	5	160	5.31	0.48	0.03	18	<20	<10	<10	21	6	680	0.30	<10
L 0E 9 + 00N	<5	<5	80	4.70	0.15	0.01	7	<20	<10	<10	20	<2	1150	0.29	<10
L 0E 8 + 50N	<5	<5	105	4.02	0.24	<0.01	12	<20	<10	<10	22	<2	540	0.30	<10
L 0E 8 + 00N	<5	<5	100	5.79	0.09	0.01	15	<20	<10	<10	19	2	1560	0.24	<10
L 0E 7 + 50N	5	<5	95	2.60	0.35	<0.01	15	<20	<10	<10	24	<2	700	0.32	<10
L 0E 7 + 00N	<5	<5	70	4.26	0.12	0.01	16	<20	<10	10	23	<2	350	0.19	<10
L 0E 6 + 50N	<5	<5	60	3.27	0.05	<0.01	7	<20	<10	<10	23	<2	360	0.29	<10
L 0E 6 + 00N	5	<5	50	2.12	0.04	0.01	10	<20	<10	<10	18	<2	460	0.25	<10
L 0E 5 + 50N	15	5	75	2.81	0.26	<0.01	8	<20	<10	10	17	<2	920	0.20	<10
L 0E 5 + 00N	5	<5	45	1.93	0.15	<0.01	9	<20	<10	<10	17	<2	260	0.22	<10
L 0E 4 + 50N	<5	<5	75	3.48	0.12	0.01	8	<20	<10	<10	21	<2	270	0.25	<10
L 0E 4 + 00N	<5	5	60	5.10	0.07	<0.01	7	<20	<10	<10	19	<2	740	0.23	<10
L 0E 3 + 50N	<5	<5	80	4.72	0.08	<0.01	11	<20	<10	<10	28	<2	510	0.41	<10
L 0E 3 + 00N	<5	<5	45	5.97	0.02	<0.01	8	<20	<10	<10	15	<2	1600	0.18	<10
L 0E 2 + 50N	<5	<5	55	3.83	0.04	0.04	166	<20	<10	<10	12	<2	3290	0.09	<10
L 0E 2 + 00N	10	5	120	2.56	0.46	0.01	19	<20	<10	10	32	<2	370	0.43	<10
L 0E 1 + 50N	15	5	70	2.88	0.19	<0.01	6	<20	<10	<10	21	<2	1680	0.31	<10
L 0E 1 + 00N	20	5	185	3.13	1.25	<0.01	21	<20	<10	<10	52	<2	1610	0.80	<10
L 0E 0 + 50N	5	5	200	4.64	0.44	0.01	13	<20	<10	10	22	<2	840	0.28	<10
L 0E 0 + 00S BL	<5	<5	60	3.02	0.13	0.01	14	<20	<10	10	19	4	1040	0.19	<10
L 0E 0 + 50S	<5	<5	80	3.55	0.11	0.01	10	<20	<10	<10	15	<2	560	0.19	<10
L 0E 1 + 00S	<5	<5	85	2.90	0.13	0.01	9	<20	<10	<10	17	<2	690	0.23	<10
L 0E 1 + 50S	55	<5	385	1.15	0.10	<0.01	15	<20	<10	<10	9	<2	2790	0.16	10
L 0E 2 + 00S	30	<5	1130	1.25	0.08	<0.01	14	<20	<10	<10	7	<2	1590	0.11	<10
L 0E 2 + 50S	<5	<5	110	2.25	0.12	0.01	12	<20	<10	10	17	<2	250	0.19	<10
L 0E 3 + 00S	5	<5	95	2.38	0.12	0.01	8	<20	<10	10	19	<2	200	0.23	<10
L 0E 3 + 50S	<5	<5	85	2.09	0.10	<0.01	7	<20	<10	10	18	<2	160	0.22	<10
L 0E 4 + 00S	5	<5	85	2.58	0.14	0.01	6	<20	<10	10	22	<2	210	0.31	<10
L 0E 4 + 50S	<5	<5	100	3.87	0.11	0.01	9	<20	<10	<10	17	<2	460	0.20	<10
L 0E 5 + 00S	<5	<5	95	3.14	0.13	0.01	8	<20	<10	<10	16	<2	440	0.20	<10
L 0E 5 + 50S	<5	<5	85	4.47	0.06	<0.01	12	<20	<10	<10	17	<2	1250	0.22	<10
L 0E 6 + 00S	<5	5	85	3.88	0.11	0.01	11	<20	<10	<10	19	<2	1180	0.25	<10
L 0E 6 + 50S	<5	<5	80	2.19	0.08	0.01	7	<20	<10	10	14	<2	300	0.17	<10
L 0E 7 + 00S	5	<5	55	1.87	0.12	0.01	8	<20	<10	10	12	<2	740	0.13	<10
L 0E 7 + 50S	<5	<5	70	3.17	0.09	0.01	21	<20	<10	<10	15	<2	510	0.19	<10
L 0E 8 + 00S	<5	<5	70	3.86	0.11	0.01	13	<20	<10	10	15	<2	480	0.16	<10
L 0E 8 + 50S	<5	<5	120	2.65	0.20	0.01	8	<20	<10	10	15	<2	200	0.17	<10
L 0E 9 + 00S	<5	<5	75	6.51	0.04	0.01	9	<20	<10	<10	15	<2	1080	0.20	<10
L 0E 9 + 50S	<5	<5	100	5.41	0.06	0.01	14	<20	<10	<10	17	<2	2250	0.21	<10

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L 0E 10 + 00S	<5	<5	165	5.11	0.05	0.01	17	<20	<10	10	22	<2	510	0.21	<10
L 3E 10 + 00N	<5	<5	60	3.51	0.05	0.01	11	<20	<10	10	16	<2	520	0.16	<10
L 3E 9 + 50N	<5	<5	55	4.33	0.06	0.01	7	<20	<10	<10	16	2	700	0.20	<10
L 3E 9 + 00N	<5	<5	80	3.04	0.11	0.01	10	<20	<10	10	23	<2	510	0.24	<10
L 3E 8 + 50N	<5	5	65	3.67	0.10	0.01	10	<20	<10	<10	16	<2	2340	0.21	<10
L 3E 8 + 00N	<5	<5	95	4.78	0.11	0.01	10	<20	<10	<10	17	<2	840	0.21	<10
L 3E 7 + 50N	5	<5	70	2.47	0.11	0.01	11	<20	10	10	21	2	800	0.26	<10
L 3E 7 + 00N	<5	<5	100	4.15	0.17	0.01	15	<20	<10	10	19	<2	1260	0.19	<10
L 3E 6 + 50N	<5	5	75	2.80	0.10	0.01	21	<20	<10	10	20	2	530	0.18	<10
L 3E 6 + 00N	<5	<5	85	3.33	0.14	0.01	9	<20	<10	10	22	2	300	0.22	<10
L 3E 5 + 50N	<5	<5	75	2.28	0.15	0.01	10	<20	<10	10	14	<2	210	0.16	<10
L 3E 5 + 00N	<5	<5	165	4.19	0.46	0.01	13	<20	<10	<10	26	<2	510	0.35	<10
L 3E 4 + 50N	<5	<5	65	7.31	0.07	0.07	157	<20	<10	10	17	4	1570	0.11	<10
L 3E 4 + 00N	<5	<5	115	3.51	0.20	0.01	20	<20	<10	10	20	<2	690	0.25	<10
L 3E 3 + 50N	<5	5	80	3.10	0.11	0.02	21	<20	<10	10	26	<2	390	0.21	<10
L 3E 3 + 00N	<5	<5	85	2.24	0.14	0.01	12	<20	10	10	17	<2	480	0.17	<10
L 3E 2 + 50N	5	<5	90	2.51	0.24	<0.01	6	<20	<10	<10	23	<2	1080	0.32	<10
L 3E 2 + 00N	<5	<5	65	3.87	0.07	<0.01	6	<20	<10	<10	17	<2	1240	0.21	<10
L 3E 1 + 50N	<5	<5	90	3.42	0.10	0.01	9	<20	<10	<10	20	<2	1620	0.24	<10
L 3E 1 + 00N	<5	<5	65	2.62	0.10	<0.01	7	<20	<10	10	25	<2	380	0.22	<10
L 3E 0 + 50N	<5	<5	85	4.04	0.10	0.01	9	<20	<10	10	22	<2	1000	0.21	<10
L 3E 0 + 00S BL	<5	5	130	5.76	0.06	0.01	11	<20	<10	10	23	2	920	0.27	<10
L 3E 0 + 50S	5	<5	90	4.73	0.02	0.01	8	<20	<10	<10	13	2	690	0.18	<10
L 3E 1 + 00S	<5	5	55	2.09	0.11	<0.01	6	<20	<10	<10	23	<2	240	0.32	<10
L 3E 1 + 50S	<5	<5	40	2.83	0.07	<0.01	4	<20	<10	<10	15	<2	570	0.20	<10
L 3E 2 + 00S	<5	<5	70	2.54	0.11	0.01	6	<20	<10	<10	13	<2	490	0.15	<10
L 3E 2 + 50S	5	<5	40	1.24	0.11	<0.01	6	<20	<10	<10	13	<2	420	0.16	<10
L 3E 3 + 00S	<5	<5	135	2.79	0.38	0.01	12	<20	<10	10	21	<2	450	0.24	<10
L 3E 3 + 50S	<5	<5	55	3.12	0.07	0.01	7	<20	<10	<10	14	<2	990	0.18	<10
L 3E 4 + 00S	<5	<5	95	1.92	0.17	0.01	12	<20	<10	10	15	<2	470	0.19	<10
L 3E 4 + 50S	<5	<5	90	3.17	0.14	0.01	9	<20	<10	<10	16	<2	590	0.20	<10
L 3E 5 + 00S	<5	5	90	3.01	0.20	0.01	11	<20	<10	<10	16	<2	460	0.19	<10
L 3E 5 + 50S	<5	<5	185	4.89	0.35	0.01	43	<20	<10	20	36	<2	1550	0.18	<10
L 3E 6 + 00S	<5	<5	60	0.94	0.06	0.01	66	<20	<10	<10	7	<2	550	0.05	<10
L 3E 6 + 50S	<5	<5	30	1.28	0.05	<0.01	6	<20	<10	<10	8	<2	540	0.09	<10
L 3E 7 + 00S	<5	<5	55	4.45	0.02	0.02	36	<20	<10	<10	10	<2	610	0.13	<10
L 3E 7 + 50S	<5	<5	35	2.53	0.03	<0.01	6	<20	<10	<10	10	<2	700	0.11	<10
L 3E 8 + 00S	<5	<5	60	3.30	0.05	0.01	13	<20	<10	<10	12	<2	810	0.14	<10
L 3E 8 + 50S	<5	<5	60	2.63	0.10	<0.01	6	<20	<10	10	14	<2	320	0.17	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L 3E 9 + 00S	31	<1	2	<0.2	14	10	0.05	0.17	1.53	47	<1	28	5	14	<5
L 3E 9 + 50S	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
L 3E 10 + 00S	74	<1	14	0.2	10	7	0.06	0.15	2.45	118	1	32	7	12	<5
L 6E 10 + 00N	34	<1	4	<0.2	19	16	0.12	0.44	2.03	152	<1	28	13	21	<5
L 6E 9 + 50N	44	<1	4	<0.2	15	18	0.11	0.42	2.10	179	<1	28	14	23	<5
L 6E 9 + 00N	68	<1	10	<0.2	8	8	0.08	0.39	3.42	233	<1	68	11	69	5
L 6E 8 + 50N	135	<1	10	<0.2	12	15	0.06	0.39	2.88	116	<1	39	13	29	<5
L 6E 8 + 00N	68	<1	6	<0.2	16	15	0.08	0.43	2.28	145	<1	33	12	23	<5
L 6E 7 + 50N	54	<1	10	<0.2	15	9	0.06	0.36	3.08	175	1	56	11	28	5
L 6E 7 + 00N	68	<1	14	<0.2	13	9	0.11	0.33	4.00	155	1	66	14	27	5
L 6E 6 + 50N	171	<1	26	<0.2	13	10	0.20	0.51	3.42	166	2	51	15	25	5
L 6E 6 + 00N	95	<1	14	<0.2	11	10	0.21	0.21	4.12	149	1	50	13	20	5
L 6E 5 + 50N	58	<1	4	<0.2	14	23	0.16	0.69	2.90	131	<1	45	17	44	<5
L 6E 5 + 00N	51	<1	4	<0.2	12	17	0.20	0.54	2.75	119	<1	42	14	37	<5
L 6E 4 + 50N	71	<1	4	<0.2	27	36	0.28	0.91	3.09	216	<1	46	23	73	<5
L 6E 4 + 00N	101	<1	12	<0.2	33	33	0.43	1.10	3.92	725	<1	52	23	52	5
L 6E 3 + 50N	100	<1	12	<0.2	49	29	0.36	0.46	3.77	253	<1	54	23	26	5
L 6E 3 + 00N	113	<1	16	<0.2	21	18	0.13	0.44	3.30	728	<1	41	16	16	<5
L 6E 2 + 50N	65	<1	6	<0.2	47	45	0.53	2.46	3.82	167	<1	73	38	43	5
L 6E 2 + 00N	52	<1	2	<0.2	8	14	0.12	0.39	1.94	184	<1	28	12	21	<5
L 6E 1 + 50N	49	<1	8	<0.2	11	13	0.12	0.28	2.04	188	<1	29	14	15	<5
L 6E 1 + 00N	49	<1	2	0.2	10	16	0.11	0.43	1.75	2378	<1	26	11	21	<5
L 6E 0 + 50N	69	<1	6	<0.2	7	14	0.23	0.51	2.63	153	<1	36	13	26	<5
L 6E 0 + 00S BL	75	<1	8	<0.2	9	11	0.98	0.39	2.44	99	<1	32	12	22	<5
L 6E 0 + 50S	66	<1	6	<0.2	13	18	0.18	0.39	2.70	93	<1	44	13	27	<5
L 6E 1 + 00S	221	<1	10	<0.2	21	30	0.27	1.08	4.13	215	1	67	22	52	5
L 6E 1 + 50S	237	<1	14	<0.2	19	19	0.17	0.34	3.67	322	1	61	15	18	<5
L 6E 2 + 00S	121	<1	12	<0.2	8	9	0.16	0.38	3.30	1687	<1	47	15	10	5
L 6E 2 + 50S	224	<1	24	<0.2	10	20	0.11	0.35	3.74	199	4	56	16	36	10
L 6E 3 + 00S	140	<1	10	<0.2	14	28	1.40	0.35	2.82	1641	<1	18	17	16	<5
L 6E 3 + 50S	123	<1	10	<0.2	32	122	0.21	0.58	2.93	403	<1	38	20	32	<5
L 6E 4 + 00S	146	1	12	<0.2	22	84	1.01	0.25	2.79	897	1	30	34	57	<5
L 6E 4 + 50S	98	<1	10	0.2	14	24	0.08	0.21	2.71	428	<1	43	16	20	<5
L 6E 5 + 00S	130	<1	14	<0.2	15	37	0.20	0.42	2.97	452	<1	36	21	49	<5
L 6E 5 + 50S	103	<1	14	<0.2	21	30	0.14	0.32	2.59	196	<1	34	16	19	<5
L 6E 6 + 00S	99	<1	16	<0.2	16	23	0.11	0.25	2.31	106	<1	32	13	18	<5
L 6E 6 + 50S	100	<1	8	<0.2	12	21	0.20	0.23	2.46	122	<1	28	12	13	<5
L 6E 7 + 00S	69	<1	4	<0.2	17	17	0.18	0.36	2.05	164	<1	28	12	18	<5
L 6E 7 + 50S	67	<1	4	<0.2	8	13	0.09	0.39	2.38	127	<1	40	11	22	<5

Final

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L 3E 9 + 00S	<5	<5	20	0.94	0.03	<0.01	7	<20	<10	<10	8	<2	100	0.09	<10
L 3E 9 + 50S	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
L 3E 10 + 00S	<5	<5	55	4.40	0.04	<0.01	5	<20	<10	<10	13	<2	590	0.16	<10
L 6E 10 + 00N	<5	<5	50	1.60	0.08	<0.01	8	<20	<10	10	14	4	140	0.15	<10
L 6E 9 + 50N	<5	<5	55	2.07	0.10	<0.01	7	<20	<10	10	14	4	250	0.13	<10
L 6E 9 + 00N	10	5	60	2.39	0.10	<0.01	6	<20	<10	<10	20	4	490	0.28	<10
L 6E 8 + 50N	<5	<5	75	3.57	0.12	<0.01	6	<20	<10	10	17	4	420	0.20	<10
L 6E 8 + 00N	<5	<5	60	2.96	0.11	<0.01	6	<20	<10	10	15	4	390	0.16	<10
L 6E 7 + 50N	<5	<5	65	3.38	0.11	<0.01	6	<20	<10	<10	19	4	640	0.25	<10
L 6E 7 + 00N	<5	<5	100	3.62	0.17	<0.01	9	<20	<10	10	21	6	600	0.28	<10
L 6E 6 + 50N	<5	5	95	3.42	0.17	0.01	27	<20	<10	10	19	4	820	0.24	<10
L 6E 6 + 00N	10	<5	95	2.42	0.16	0.01	12	<20	<10	10	22	<2	390	0.29	<10
L 6E 5 + 50N	<5	<5	90	2.92	0.18	0.01	11	<20	<10	10	21	<2	150	0.22	<10
L 6E 5 + 00N	<5	<5	65	2.24	0.13	0.01	14	<20	<10	10	18	<2	160	0.19	<10
L 6E 4 + 50N	<5	<5	55	3.20	0.10	0.01	16	<20	<10	10	21	<2	290	0.24	<10
L 6E 4 + 00N	<5	5	140	6.72	0.29	0.02	35	<20	<10	10	28	2	1330	0.28	<10
L 6E 3 + 50N	<5	<5	120	4.67	0.17	0.01	18	<20	<10	10	31	<2	1020	0.30	<10
L 6E 3 + 00N	<5	5	100	4.62	0.08	0.01	9	<20	<10	10	20	<2	1330	0.22	<10
L 6E 2 + 50N	<5	10	170	4.02	0.41	0.01	15	<20	<10	10	29	<2	1100	0.39	<10
L 6E 2 + 00N	<5	<5	70	2.19	0.12	<0.01	8	<20	<10	10	14	<2	410	0.14	<10
L 6E 1 + 50N	<5	<5	85	2.94	0.09	0.01	11	<20	<10	10	19	<2	520	0.17	<10
L 6E 1 + 00N	<5	<5	85	1.53	0.14	<0.01	5	<20	<10	10	11	<2	800	0.12	<10
L 6E 0 + 50N	<5	<5	85	2.94	0.16	<0.01	10	<20	<10	10	18	<2	420	0.19	<10
L 6E 0 + 00S BL	<5	<5	70	4.17	0.07	0.01	15	<20	<10	10	17	2	410	0.19	<10
L 6E 0 + 50S	<5	5	100	3.42	0.12	<0.01	8	<20	<10	10	16	<2	530	0.19	<10
L 6E 1 + 00S	<5	5	135	4.60	0.18	0.01	12	<20	<10	10	22	<2	500	0.28	<10
L 6E 1 + 50S	<5	<5	100	4.41	0.05	0.01	11	<20	<10	10	19	<2	1540	0.20	<10
L 6E 2 + 00S	<5	<5	155	3.78	0.12	0.01	12	<20	<10	<10	21	<2	1360	0.27	<10
L 6E 2 + 50S	<5	<5	80	3.52	0.09	0.01	9	<20	10	10	19	4	420	0.25	<10
L 6E 3 + 00S	<5	<5	90	4.77	0.05	0.10	383	<20	<10	10	8	2	1820	0.08	<10
L 6E 3 + 50S	<5	<5	65	4.21	0.13	0.01	22	<20	<10	10	21	<2	990	0.19	<10
L 6E 4 + 00S	<5	<5	75	4.98	0.04	0.01	24	<20	<10	10	23	2	2380	0.21	<10
L 6E 4 + 50S	<5	<5	70	3.85	0.04	0.01	7	<20	<10	<10	18	<2	1400	0.22	<10
L 6E 5 + 00S	<5	<5	80	3.86	0.06	0.01	22	<20	<10	<10	14	<2	940	0.19	<10
L 6E 5 + 50S	<5	<5	75	4.30	0.07	0.01	11	<20	<10	10	24	<2	780	0.19	<10
L 6E 6 + 00S	<5	5	70	4.56	0.05	0.01	10	<20	<10	10	19	<2	740	0.18	<10
L 6E 6 + 50S	<5	<5	80	4.27	0.04	0.01	19	<20	<10	<10	13	<2	610	0.14	<10
L 6E 7 + 00S	<5	<5	55	2.40	0.06	0.01	11	<20	<10	<10	11	<2	730	0.13	<10
L 6E 7 + 50S	5	5	40	1.57	0.06	<0.01	7	<20	<10	10	12	<2	320	0.14	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L 6E 8 + 00S	47	<1	4	<0.2	10	12	0.11	0.26	2.27	108	<1	35	10	16	<5
L 6E 8 + 50S	98	<1	4	<0.2	22	21	0.23	0.45	2.22	102	<1	29	13	21	<5
L 6E 9 + 00S	34	<1	2	<0.2	7	7	0.38	0.21	1.48	60	<1	18	6	14	<5
L 6E 9 + 50S	46	<1	2	<0.2	6	8	0.08	0.25	1.75	86	<1	26	7	15	<5
L 6E 10 + 00S	70	<1	2	<0.2	16	15	0.19	0.43	1.83	137	<1	28	10	20	<5
L 9E 10 + 00N	72	<1	8	<0.2	13	5	0.07	0.30	3.18	125	1	44	10	17	5
L 9E 9 + 50N	48	<1	4	<0.2	12	5	0.12	0.71	2.97	108	<1	56	10	44	5
L 9E 9 + 00N	65	<1	6	<0.2	14	6	0.04	0.42	3.53	93	1	51	10	28	5
L 9E 8 + 50N	100	<1	12	<0.2	11	7	0.05	0.17	2.56	328	<1	41	13	15	5
L 9E 8 + 00N	91	<1	10	<0.2	42	27	0.15	0.55	2.74	440	1	40	53	28	<5
L 9E 7 + 50N	57	<1	10	<0.2	11	7	0.05	0.19	2.85	149	1	40	12	18	<5
L 9E 7 + 00N	89	<1	12	<0.2	10	13	0.20	0.32	2.94	669	<1	48	17	22	5
L 9E 6 + 50N	66	<1	6	<0.2	13	11	0.42	0.25	2.94	690	<1	35	15	19	<5
L 9E 6 + 00N	106	<1	6	<0.2	24	27	0.47	0.70	3.44	647	<1	50	24	45	5
L 9E 5 + 50N	96	<1	4	<0.2	26	25	0.35	0.77	3.26	313	<1	50	19	38	<5
L 9E 5 + 00N	77	<1	8	<0.2	19	23	0.41	0.66	2.62	357	<1	44	17	37	5
L 9E 4 + 50N	84	<1	8	<0.2	24	26	0.45	0.76	2.92	464	<1	49	20	39	<5
L 9E 4 + 00N	80	<1	12	<0.2	14	13	0.07	0.41	3.16	126	<1	51	13	23	5
L 9E 3 + 50N	53	<1	12	<0.2	10	7	0.05	0.16	2.50	76	<1	35	7	13	<5
L 9E 3 + 00N	51	<1	12	<0.2	13	9	0.12	0.27	2.63	130	<1	31	9	18	<5
L 9E 2 + 50N	132	<1	10	<0.2	12	12	0.18	0.33	2.90	134	<1	41	13	21	<5
L 9E 2 + 00N	143	<1	14	<0.2	18	22	0.28	0.45	2.77	193	<1	38	23	25	<5
L 9E 1 + 50N	261	<1	30	<0.2	19	13	0.51	0.45	2.92	540	<1	45	21	22	<5
L 9E 1 + 00N	122	<1	8	<0.2	20	21	0.22	0.75	3.50	182	<1	64	17	36	<5
L 9E 0 + 50N	91	<1	14	<0.2	9	8	0.06	0.28	3.54	108	1	47	11	23	5
L 9E 0 + 00S BL	74	<1	14	0.2	11	5	0.05	0.17	2.30	97	1	27	8	14	<5
L 9E 0 + 50S	137	<1	12	<0.2	8	12	0.14	0.28	2.93	487	<1	46	13	20	<5
L 9E 1 + 00S	622	<1	44	<0.2	30	41	0.71	0.96	4.12	274	<1	63	22	137	5
L 9E 1 + 50S	157	<1	10	<0.2	16	261	0.15	1.26	4.27	355	<1	50	41	197	5
L 9E 2 + 00S	94	<1	18	0.2	7	15	0.11	0.10	2.76	368	1	28	14	12	<5
L 9E 2 + 50S	615	<1	14	<0.2	72	74	0.29	0.87	3.02	516	<1	48	27	40	<5
L 9E 3 + 00S	318	<1	14	<0.2	26	49	0.23	0.65	3.55	214	1	51	25	45	5
L 9E 3 + 50S	155	<1	20	<0.2	10	15	0.12	0.23	2.67	236	<1	38	12	14	<5
L 9E 4 + 00S	142	<1	12	<0.2	11	15	0.09	0.36	2.93	164	<1	43	14	23	<5
L 9E 4 + 50S	126	<1	14	<0.2	9	10	0.08	0.21	2.49	585	<1	40	11	15	<5
L 9E 5 + 00S	135	<1	14	<0.2	9	20	0.10	0.37	2.70	233	<1	42	14	21	5
L 9E 5 + 50S	104	<1	12	<0.2	8	12	0.08	0.37	2.52	180	<1	44	12	23	<5
L 9E 6 + 00S	99	<1	8	<0.2	8	16	0.08	0.32	2.25	229	1	33	11	21	5
L 9E 6 + 50S	118	<1	8	<0.2	9	11	0.13	0.29	1.98	296	<1	28	9	15	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L 6E 8 + 00S	5	<5	30	1.53	0.05	<0.01	7	<20	<10	<10	10	<2	720	0.12	<10
L 6E 8 + 50S	<5	5	45	2.14	0.05	0.01	11	<20	<10	<10	10	<2	670	0.11	<10
L 6E 9 + 00S	<5	<5	25	2.01	0.04	<0.01	16	<20	<10	<10	11	<2	170	0.09	<10
L 6E 9 + 50S	5	<5	45	1.87	0.07	<0.01	6	<20	<10	<10	10	<2	560	0.11	<10
L 6E 10 + 00S	<5	<5	40	1.83	0.08	<0.01	9	<20	<10	<10	11	<2	690	0.11	<10
L 9E 10 + 00N	<5	<5	75	5.09	0.10	0.01	7	<20	<10	<10	19	<2	790	0.24	<10
L 9E 9 + 50N	<5	5	95	2.65	0.19	0.02	11	<20	<10	10	26	<2	210	0.30	<10
L 9E 9 + 00N	<5	<5	90	4.90	0.24	0.01	6	<20	<10	<10	22	<2	970	0.29	<10
L 9E 8 + 50N	<5	<5	65	3.05	0.05	0.01	6	<20	<10	<10	20	<2	770	0.25	<10
L 9E 8 + 00N	<5	<5	80	4.75	0.14	0.01	10	<20	<10	<10	19	<2	730	0.19	<10
L 9E 7 + 50N	<5	<5	60	4.79	0.06	0.01	6	<20	<10	<10	19	<2	940	0.23	<10
L 9E 7 + 00N	<5	<5	95	2.91	0.10	0.01	13	<20	<10	<10	21	<2	400	0.26	<10
L 9E 6 + 50N	<5	<5	95	4.26	0.07	0.01	21	<20	<10	<10	23	<2	790	0.19	<10
L 9E 6 + 00N	<5	<5	115	4.32	0.21	0.01	21	<20	<10	10	26	<2	650	0.24	<10
L 9E 5 + 50N	5	<5	135	2.60	0.20	0.01	18	<20	<10	<10	17	<2	310	0.22	<10
L 9E 5 + 00N	<5	<5	85	2.70	0.21	0.01	21	<20	<10	<10	19	14	430	0.20	<10
L 9E 4 + 50N	<5	5	95	2.92	0.35	0.01	23	<20	<10	10	20	6	810	0.21	<10
L 9E 4 + 00N	5	<5	90	3.08	0.11	<0.01	8	<20	<10	10	18	4	410	0.22	<10
L 9E 3 + 50N	5	5	65	4.49	0.03	<0.01	6	<20	<10	10	16	4	920	0.19	<10
L 9E 3 + 00N	<5	<5	65	5.95	0.05	<0.01	8	<20	<10	<10	17	4	1940	0.18	<10
L 9E 2 + 50N	<5	<5	90	3.71	0.10	<0.01	10	<20	<10	10	16	4	780	0.20	<10
L 9E 2 + 00N	<5	<5	90	3.77	0.14	<0.01	18	<20	<10	10	21	4	410	0.20	<10
L 9E 1 + 50N	<5	<5	90	2.95	0.12	0.01	21	<20	<10	20	31	4	430	0.23	<10
L 9E 1 + 00N	10	<5	65	2.04	0.19	<0.01	9	<20	<10	20	20	4	650	0.25	<10
L 9E 0 + 50N	<5	<5	75	4.00	0.05	<0.01	6	<20	<10	10	20	4	1330	0.25	<10
L 9E 0 + 00S BL	<5	<5	50	5.28	0.03	<0.01	5	<20	<10	<10	15	4	820	0.18	<10
L 9E 0 + 50S	5	<5	70	2.40	0.07	<0.01	11	<20	<10	10	17	4	330	0.22	<10
L 9E 1 + 00S	5	<5	90	3.29	0.14	0.01	41	<20	<10	10	24	4	550	0.25	<10
L 9E 1 + 50S	10	<5	55	1.82	0.03	<0.01	9	<20	<10	10	13	4	660	0.19	<10
L 9E 2 + 00S	<5	<5	60	5.02	0.02	<0.01	8	<20	<10	<10	17	6	1270	0.22	<10
L 9E 2 + 50S	5	<5	65	2.64	0.11	0.01	14	<20	<10	20	22	4	300	0.22	<10
L 9E 3 + 00S	<5	<5	80	3.11	0.15	<0.01	14	<20	<10	10	20	4	780	0.22	<10
L 9E 3 + 50S	<5	<5	75	4.07	0.06	<0.01	8	<20	<10	<10	17	4	950	0.22	<10
L 9E 4 + 00S	5	<5	80	3.60	0.08	<0.01	8	<20	<10	10	15	4	1300	0.20	<10
L 9E 4 + 50S	<5	<5	75	2.77	0.07	<0.01	8	<20	<10	<10	18	4	910	0.23	<10
L 9E 5 + 00S	5	<5	85	3.02	0.08	<0.01	9	<20	<10	<10	17	4	1650	0.22	<10
L 9E 5 + 50S	5	<5	70	2.00	0.09	<0.01	7	<20	<10	10	17	4	530	0.22	<10
L 9E 6 + 00S	<5	<5	45	1.96	0.08	<0.01	6	<20	<10	10	12	4	930	0.15	<10
L 9E 6 + 50S	5	<5	35	1.29	0.07	<0.01	10	<20	<10	10	10	4	610	0.12	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L 9E 7 + 00S	134	<1	14	<0.2	9	12	0.10	0.30	2.45	153	<1	43	13	18	5
L 9E 7 + 50S	157	<1	14	<0.2	13	22	0.14	0.28	2.33	296	<1	30	16	25	<5
L 9E 8 + 00S	89	<1	12	<0.2	8	14	0.12	0.29	2.50	191	<1	42	14	19	<5
L 9E 8 + 50S	79	<1	12	<0.2	7	9	0.10	0.12	1.92	77	<1	28	8	9	<5
L 9E 9 + 00S	28	<1	2	<0.2	6	8	0.05	0.18	1.49	67	<1	29	6	12	<5
L 9E 9 + 50S	139	<1	8	<0.2	20	16	0.16	0.37	2.36	130	<1	37	11	24	<5
L 9E 10 + 00S	72	<1	14	<0.2	7	8	0.06	0.25	2.44	128	1	34	9	15	5
L12E 7 + 00N	51	<1	4	<0.2	11	12	0.11	0.35	2.22	218	<1	33	13	14	<5
L12E 6 + 50N	65	<1	8	<0.2	9	9	0.10	0.40	3.29	387	<1	81	15	17	5
L12E 6 + 00N	57	<1	4	<0.2	14	13	0.10	0.39	2.36	257	<1	40	12	17	<5
L12E 5 + 50N	35	<1	8	<0.2	10	10	0.08	0.25	2.32	94	<1	37	9	15	<5
L12E 5 + 00N	57	<1	4	<0.2	10	19	0.10	0.41	2.19	131	<1	34	13	23	<5
L12E 4 + 50N	55	<1	8	<0.2	11	13	0.12	0.26	2.49	186	<1	41	13	18	5
L12E 4 + 00N	61	<1	8	<0.2	6	11	0.13	0.27	2.44	193	<1	45	11	19	<5
L12E 3 + 50N	98	<1	8	<0.2	11	13	0.12	0.49	2.66	248	<1	51	12	23	<5
L12E 3 + 00N	826	<1	6	<0.2	11	11	0.07	0.17	2.13	245	<1	31	12	15	5
L12E 2 + 50N	342	<1	12	<0.2	10	14	0.14	0.40	2.37	156	<1	34	10	22	<5
L12E 2 + 00N	74	<1	4	<0.2	4	7	0.09	0.25	1.48	148	<1	23	7	14	<5
L12E 1 + 50N	115	<1	8	<0.2	25	30	0.27	0.68	3.87	240	2	74	17	43	5
L12E 1 + 00N	196	<1	10	<0.2	17	26	0.19	0.50	3.19	346	<1	47	19	26	<5
L12E 0 + 50N	98	<1	8	<0.2	12	27	0.82	0.41	3.18	466	<1	35	17	24	<5
L12E 0 + 00S BL	71	<1	6	<0.2	9	15	0.12	0.34	2.48	115	<1	40	12	21	5
L12E 0 + 50S	83	<1	6	<0.2	12	26	0.28	0.43	2.38	317	<1	35	15	36	<5
L12E 1 + 00S	104	<1	6	<0.2	11	18	0.12	0.40	2.47	557	<1	43	11	26	<5
L12E 1 + 50S	102	<1	24	<0.2	8	10	0.08	0.31	3.25	271	1	52	11	22	5
L12E 2 + 00S	102	<1	6	<0.2	9	11	0.09	0.42	1.86	253	<1	30	10	20	<5
L12E 2 + 50S	59	<1	6	<0.2	7	13	0.16	0.40	2.17	245	<1	34	10	22	<5
L12E 3 + 00S	61	<1	10	<0.2	7	13	0.21	0.21	2.30	261	<1	31	12	14	5
L12E 3 + 50S	66	<1	6	<0.2	10	13	0.10	0.39	1.95	147	<1	31	10	20	<5
L12E 4 + 00S	108	<1	12	<0.2	5	7	0.07	0.17	2.33	153	<1	41	10	17	<5
L12E 4 + 50S	127	<1	12	<0.2	8	12	0.10	0.33	2.30	253	<1	37	11	19	<5
L12E 5 + 00S	78	<1	14	<0.2	5	9	0.15	0.14	2.40	309	<1	33	10	13	5
L12E 5 + 50S	74	<1	18	<0.2	7	9	0.11	0.24	3.00	136	<1	49	11	19	5
L12E 6 + 00S	89	<1	14	<0.2	12	20	0.14	0.29	2.28	230	<1	29	14	16	<5
L12E 6 + 50S	120	<1	10	<0.2	12	12	0.16	0.22	3.14	977	<1	41	12	16	<5
L12E 7 + 00S	245	<1	12	<0.2	30	36	0.34	0.40	2.75	425	<1	36	15	24	<5
L12E 7 + 50S	121	<1	20	<0.2	8	12	0.08	0.17	2.58	369	<1	38	12	16	5
L12E 8 + 00S	90	<1	8	<0.2	14	17	0.14	0.40	2.17	153	<1	31	12	22	<5
L12E 8 + 50S	83	<1	8	<0.2	8	9	0.12	0.31	1.99	262	<1	34	9	19	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L 9E 7 + 00S	5	<5	70	2.05	0.09	<0.01	8	<20	<10	10	17	4	540	0.22	<10
L 9E 7 + 50S	<5	<5	85	3.57	0.08	0.01	11	<20	<10	<10	16	4	1820	0.20	<10
L 9E 8 + 00S	5	<5	80	2.39	0.08	<0.01	9	<20	<10	<10	16	4	660	0.21	<10
L 9E 8 + 50S	5	<5	65	3.11	0.03	<0.01	8	<20	<10	<10	13	4	620	0.17	<10
L 9E 9 + 00S	5	<5	25	0.94	0.05	<0.01	5	<20	<10	10	9	4	170	0.11	<10
L 9E 9 + 50S	<5	<5	55	1.91	0.09	<0.01	9	<20	<10	10	12	4	600	0.14	<10
L 9E 10 + 00S	5	<5	60	4.07	0.08	<0.01	6	<20	<10	<10	14	6	1250	0.17	<10
L12E 7 + 00N	5	<5	50	1.90	0.09	0.01	7	<20	<10	<10	13	<2	580	0.17	<10
L12E 6 + 50N	5	<5	55	1.85	0.06	<0.01	6	<20	<10	<10	16	<2	770	0.22	<10
L12E 6 + 00N	<5	<5	70	3.14	0.10	0.01	7	<20	<10	<10	14	<2	600	0.17	<10
L12E 5 + 50N	<5	<5	55	3.18	0.06	<0.01	6	<20	<10	<10	13	<2	540	0.17	<10
L12E 5 + 00N	<5	<5	65	2.34	0.10	<0.01	8	<20	<10	<10	12	<2	620	0.15	<10
L12E 4 + 50N	<5	<5	75	3.60	0.07	0.01	9	<20	<10	<10	15	<2	870	0.20	<10
L12E 4 + 00N	<5	<5	70	2.10	0.07	0.01	9	<20	<10	10	13	<2	400	0.16	<10
L12E 3 + 50N	5	<5	55	1.91	0.08	0.01	7	<20	<10	<10	13	<2	800	0.17	<10
L12E 3 + 00N	<5	<5	45	3.84	0.04	0.01	7	<20	<10	10	20	<2	1060	0.19	<10
L12E 2 + 50N	<5	<5	50	1.44	0.07	<0.01	6	<20	<10	10	12	<2	520	0.11	<10
L12E 2 + 00N	<5	<5	30	1.08	0.05	<0.01	5	<20	<10	<10	8	<2	400	0.09	<10
L12E 1 + 50N	<5	<5	190	4.68	0.22	<0.01	14	<20	<10	20	19	<2	590	0.20	<10
L12E 1 + 00N	<5	<5	95	3.85	0.18	0.01	20	<20	<10	<10	18	<2	1210	0.23	<10
L12E 0 + 50N	<5	<5	95	4.65	0.10	0.07	233	<20	<10	<10	12	<2	880	0.15	<10
L12E 0 + 00S BL	<5	<5	85	2.58	0.07	0.01	11	<20	<10	<10	14	<2	360	0.17	<10
L12E 0 + 50S	<5	<5	70	3.31	0.10	0.01	16	<20	<10	<10	15	<2	750	0.18	<10
L12E 1 + 00S	5	<5	75	2.10	0.10	<0.01	8	<20	<10	10	13	<2	500	0.14	<10
L12E 1 + 50S	5	<5	70	2.73	0.08	0.01	8	<20	<10	<10	17	<2	950	0.23	<10
L12E 2 + 00S	<5	<5	55	1.38	0.13	<0.01	8	<20	<10	<10	12	<2	380	0.15	<10
L12E 2 + 50S	<5	<5	75	2.21	0.13	<0.01	9	<20	<10	10	13	<2	620	0.15	<10
L12E 3 + 00S	<5	<5	80	3.27	0.08	0.01	13	<20	<10	<10	17	<2	630	0.20	<10
L12E 3 + 50S	<5	<5	65	1.54	0.10	<0.01	7	<20	<10	<10	12	<2	310	0.13	<10
L12E 4 + 00S	<5	<5	65	2.17	0.06	0.01	8	<20	<10	<10	13	<2	700	0.18	<10
L12E 4 + 50S	<5	<5	90	2.48	0.10	0.01	10	<20	<10	<10	15	<2	510	0.19	<10
L12E 5 + 00S	<5	<5	75	3.59	0.06	0.01	14	<20	<10	<10	14	<2	770	0.19	<10
L12E 5 + 50S	5	<5	70	3.56	0.06	0.01	10	<20	<10	<10	18	<2	890	0.25	<10
L12E 6 + 00S	<5	<5	65	4.14	0.08	0.01	13	<20	<10	<10	17	<2	710	0.20	<10
L12E 6 + 50S	<5	<5	120	4.29	0.08	0.01	15	<20	<10	<10	15	<2	1770	0.20	<10
L12E 7 + 00S	<5	<5	85	4.85	0.11	0.02	24	<20	<10	<10	19	2	960	0.22	<10
L12E 7 + 50S	5	<5	60	2.75	0.09	0.01	9	<20	<10	<10	16	<2	1110	0.22	<10
L12E 8 + 00S	<5	<5	60	1.86	0.12	0.01	10	<20	<10	<10	12	<2	490	0.14	<10
L12E 8 + 50S	5	<5	55	1.66	0.10	0.01	9	<20	<10	<10	12	<2	570	0.16	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L12E 9 + 00S	110	<1	10	<0.2	9	12	0.15	0.40	2.73	184	<1	48	13	26	5
L12E 9 + 50S	202	<1	10	<0.2	11	22	0.21	0.43	3.27	222	<1	53	20	30	5
L12E 10 + 00S	176	<1	18	<0.2	15	58	0.32	0.77	4.74	1101	<1	67	42	50	5
L15E 0 + 50S	40	<1	4	<0.2	8	11	0.21	0.18	1.95	105	<1	28	9	15	<5
L15E 1 + 00S	71	<1	6	<0.2	9	12	0.11	0.41	2.78	114	<1	38	11	19	5
L15E 1 + 50S	48	<1	2	<0.2	11	12	0.17	0.25	1.79	581	<1	26	10	17	<5
L15E 2 + 00S	95	2	4	<0.2	9	14	0.14	0.35	2.17	137	<1	31	10	21	5
L15E 2 + 50S	80	<1	4	<0.2	14	18	0.10	0.31	2.57	200	<1	35	13	21	<5
L15E 3 + 00S	61	<1	6	<0.2	26	20	0.12	0.42	2.21	104	<1	30	12	22	<5
L15E 3 + 50S	160	<1	4	<0.2	17	32	0.11	0.52	3.10	286	<1	41	19	29	5
L15E 4 + 00S	142	<1	4	<0.2	16	26	0.77	0.49	2.93	587	1	31	15	30	5
L15E 4 + 50S	116	<1	4	<0.2	16	27	0.15	0.41	2.65	450	<1	36	15	27	<5
L15E 5 + 00S	93	<1	6	<0.2	10	14	0.09	0.29	2.75	137	1	39	13	19	5
L21E 0 + 00S	32	<1	2	<0.2	5	5	0.32	0.12	1.41	242	<1	25	7	11	<5
L21E 0 + 50S	74	<1	6	<0.2	17	21	0.20	0.41	3.35	225	1	46	16	34	5
L21E 1 + 00S	64	2	4	<0.2	8	16	0.12	0.30	2.17	361	<1	33	12	19	<5
L21E 1 + 50S	81	<1	8	<0.2	10	13	0.14	0.34	2.00	270	<1	32	10	18	<5
L21E 2 + 00S	65	<1	6	<0.2	12	12	0.26	0.31	1.93	368	<1	29	10	17	<5
L21E 2 + 50S	37	<1	2	<0.2	14	11	0.27	0.43	1.70	239	<1	24	10	19	<5
L21E 3 + 00S	58	<1	4	<0.2	21	16	0.61	0.38	2.46	216	<1	34	13	23	<5
L21E 3 + 50S	72	<1	10	<0.2	15	18	1.09	0.41	2.34	299	<1	32	12	22	<5
L21E 4 + 00S	82	3	4	<0.2	16	21	0.87	0.42	2.73	316	<1	31	13	28	5
L21E 4 + 50S	125	<1	10	<0.2	11	20	0.22	0.26	3.39	436	<1	44	16	22	5
L21E 5 + 00S	145	2	8	0.4	28	38	0.20	0.39	3.08	268	1	42	16	23	<5
L24E 8 + 00N	54	<1	<2	<0.2	3	9	0.10	0.15	1.75	186	<1	22	9	12	<5
L24E 7 + 50N	70	1	2	<0.2	16	30	0.25	0.50	2.74	221	<1	36	19	34	<5
L24E 7 + 00N	47	<1	2	<0.2	10	17	0.14	0.28	2.25	205	<1	31	12	19	<5
L24E 6 + 50N	45	<1	<2	<0.2	9	9	0.11	0.15	1.72	344	<1	25	9	10	<5
L24E 6 + 00N	55	<1	2	<0.2	13	22	0.12	0.33	1.93	160	<1	28	14	24	<5
L24E 5 + 50N	27	1	<2	<0.2	6	10	0.11	0.22	1.16	126	<1	17	7	13	<5
L24E 5 + 00N	39	<1	2	<0.2	5	9	0.12	0.19	1.28	155	<1	19	8	12	<5
L24E 4 + 50N	49	<1	6	<0.2	14	21	0.19	0.47	2.00	193	<1	31	13	29	<5
L24E 4 + 00N	49	<1	8	<0.2	8	13	0.11	0.31	1.90	122	<1	28	12	22	<5
L24E 3 + 50N	69	<1	10	<0.2	15	22	0.19	0.41	2.47	172	<1	35	16	30	<5
L24E 3 + 00N	65	<1	8	<0.2	12	17	0.12	0.27	2.22	290	<1	32	13	20	<5
L24E 2 + 50N	116	<1	14	<0.2	77	60	0.57	0.84	4.71	353	1	57	22	64	<5
L24E 2 + 00N	58	<1	8	<0.2	13	21	0.30	0.39	2.13	169	<1	28	13	21	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L12E 9 + 00S	5	<5	75	2.41	0.12	0.01	13	<20	<10	<10	16	<2	1010	0.22	<10
L12E 9 + 50S	5	<5	125	2.55	0.16	0.01	14	<20	<10	<10	17	<2	1580	0.23	<10
L12E 10 + 00S	<5	<5	205	3.88	0.52	0.01	25	<20	<10	<10	31	<2	690	0.43	<10
L15E 0 + 50S	<5	<5	70	2.44	0.06	<0.01	14	<20	<10	10	12	<2	470	0.12	<10
L15E 1 + 00S	<5	<5	70	4.41	0.06	<0.01	9	<20	<10	10	16	<2	1520	0.19	<10
L15E 1 + 50S	<5	<5	60	2.15	0.08	0.01	11	<20	<10	10	11	<2	930	0.11	<10
L15E 2 + 00S	<5	<5	80	2.42	0.08	<0.01	9	<20	<10	10	13	<2	680	0.14	<10
L15E 2 + 50S	<5	<5	60	3.38	0.06	<0.01	8	<20	<10	10	13	<2	850	0.15	<10
L15E 3 + 00S	<5	5	75	2.26	0.07	<0.01	8	<20	<10	10	10	<2	570	0.10	<10
L15E 3 + 50S	<5	<5	105	3.03	0.14	<0.01	9	<20	<10	10	14	<2	1040	0.16	<10
L15E 4 + 00S	<5	<5	110	4.75	0.10	0.01	40	<20	<10	20	27	2	1160	0.21	<10
L15E 4 + 50S	<5	<5	70	2.42	0.06	<0.01	13	<20	<10	10	11	<2	850	0.12	<10
L15E 5 + 00S	<5	<5	80	3.37	0.06	<0.01	9	<20	<10	10	14	<2	820	0.16	<10
L21E 0 + 00S	<5	<5	50	1.33	0.04	<0.01	15	<20	<10	10	11	<2	170	0.08	<10
L21E 0 + 50S	<5	<5	75	3.31	0.11	0.01	16	<20	<10	10	15	<2	1080	0.17	<10
L21E 1 + 00S	<5	<5	90	2.93	0.07	0.01	9	<20	<10	10	14	<2	440	0.14	<10
L21E 1 + 50S	<5	<5	125	2.26	0.09	<0.01	9	<20	<10	10	12	<2	590	0.11	<10
L21E 2 + 00S	<5	<5	85	2.02	0.09	0.01	12	<20	<10	10	11	<2	660	0.10	<10
L21E 2 + 50S	<5	<5	75	1.31	0.22	0.01	16	<20	<10	10	13	<2	410	0.09	<10
L21E 3 + 00S	<5	<5	125	2.60	0.10	0.01	35	<20	<10	20	15	<2	600	0.11	<10
L21E 3 + 50S	<5	5	85	3.00	0.11	0.02	38	<20	<10	10	15	<2	940	0.11	<10
L21E 4 + 00S	<5	<5	130	4.83	0.11	0.01	49	<20	<10	20	24	2	730	0.19	<10
L21E 4 + 50S	<5	<5	95	4.33	0.06	0.01	19	<20	<10	10	17	<2	710	0.19	<10
L21E 5 + 00S	<5	<5	90	3.25	0.05	0.01	18	<20	<10	10	15	<2	650	0.14	<10
L24E 8 + 00N	<5	<5	75	1.73	0.04	<0.01	11	<20	<10	<10	9	<2	640	0.11	<10
L24E 7 + 50N	<5	<5	100	3.99	0.16	0.01	23	<20	<10	10	20	<2	570	0.17	<10
L24E 7 + 00N	<5	<5	90	3.08	0.09	0.01	15	<20	<10	10	17	<2	410	0.16	<10
L24E 6 + 50N	<5	<5	90	3.39	0.04	0.01	14	<20	<10	<10	16	<2	590	0.15	<10
L24E 6 + 00N	<5	<5	85	2.42	0.11	<0.01	15	<20	<10	<10	10	<2	490	0.13	<10
L24E 5 + 50N	<5	<5	45	1.07	0.06	<0.01	12	<20	<10	<10	7	<2	260	0.07	<10
L24E 5 + 00N	<5	<5	55	1.19	0.06	<0.01	11	<20	<10	<10	7	<2	430	0.08	<10
L24E 4 + 50N	<5	<5	85	2.30	0.15	0.01	18	<20	<10	10	14	<2	290	0.13	<10
L24E 4 + 00N	<5	<5	75	2.58	0.07	0.01	12	<20	<10	<10	14	<2	630	0.15	<10
L24E 3 + 50N	<5	<5	100	3.78	0.13	0.01	21	<20	<10	<10	18	<2	1060	0.19	<10
L24E 3 + 00N	<5	<5	105	3.27	0.10	0.01	15	<20	<10	<10	15	<2	790	0.17	<10
L24E 2 + 50N	<5	5	405	8.02	0.42	0.02	68	<20	<10	20	52	2	800	0.29	<10
L24E 2 + 00N	<5	<5	75	3.10	0.09	0.01	23	<20	<10	<10	14	<2	680	0.13	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L24E 1 + 50N	81	<1	16	<0.2	18	22	0.39	0.63	3.19	223	<1	39	16	26	<5
L24E 1 + 00N	110	<1	16	<0.2	46	58	0.46	0.46	3.80	323	<1	41	19	43	<5
L24E 0 + 50N	60	<1	10	<0.2	12	16	0.21	0.30	2.34	189	<1	31	14	18	<5
L24E 0 + 00S BL	43	<1	6	<0.2	7	11	0.13	0.21	1.51	301	<1	22	9	12	<5
L24E 0 + 50S	75	<1	8	<0.2	13	16	0.15	0.33	2.07	220	<1	30	13	17	<5
L24E 1 + 00S	43	<1	4	<0.2	5	10	0.07	0.17	1.47	136	<1	19	7	11	<5
L24E 1 + 50S	73	<1	12	<0.2	12	13	0.15	0.22	2.46	141	<1	36	12	15	<5
L24E 2 + 00S	96	<1	10	<0.2	17	19	0.13	0.21	1.90	100	1	28	11	13	<5
L24E 2 + 50S	43	<1	4	<0.2	7	6	0.08	0.18	1.23	129	<1	17	6	9	<5
L24E 3 + 00S	121	<1	12	0.2	13	12	0.10	0.31	2.05	190	<1	28	11	14	<5
L24E 3 + 50S	158	<1	10	0.2	7	11	0.10	0.25	2.10	657	<1	29	12	13	<5
L24E 4 + 00S	37	<1	<2	<0.2	3	7	0.09	0.15	0.82	78	<1	11	4	6	<5
L24E 4 + 50S	40	<1	2	<0.2	5	8	0.12	0.28	1.47	112	<1	24	7	15	<5
L24E 5 + 00S	28	<1	2	<0.2	4	7	0.10	0.13	1.04	52	<1	13	4	7	<5
L24E 5 + 50S	47	<1	10	<0.2	15	10	0.42	0.14	2.28	67	<1	22	12	11	<5
L24E 6 + 00S	87	<1	6	<0.2	23	27	0.37	0.44	2.55	501	1	34	15	23	<5
L24E 6 + 50S	167	1	10	0.6	27	16	0.37	0.20	1.79	2271	3	24	13	16	<5
L24E 7 + 00S	112	<1	6	<0.2	10	16	0.31	0.35	2.09	165	<1	32	10	22	<5
L24E 7 + 50S	97	<1	6	<0.2	17	26	0.50	0.46	2.91	266	<1	36	16	26	<5
L24E 8 + 00S	101	17	8	<0.2	14	20	0.22	0.43	2.28	525	<1	39	12	24	<5
L24E 8 + 50S	78	<1	6	<0.2	9	14	0.27	0.25	1.86	226	<1	23	10	13	<5
L24E 9 + 00S	132	<1	24	0.2	20	31	0.56	0.39	3.67	1030	<1	30	17	25	5
L24E 9 + 50S	115	<1	8	<0.2	17	21	0.17	0.48	2.64	226	<1	42	13	26	<5
L24E 10 + 00S	87	<1	10	<0.2	14	20	0.07	0.22	2.38	571	<1	36	12	21	<5
L27E 10 + 00N	39	<1	<2	<0.2	11	18	0.12	0.27	1.74	97	<1	25	11	19	<5
L27E 9 + 50N	52	<1	2	<0.2	11	20	0.19	0.41	1.77	146	<1	26	11	26	<5
L27E 9 + 00N	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
L27E 8 + 50N	44	<1	4	<0.2	13	17	0.19	0.39	1.90	219	<1	28	12	22	<5
L27E 8 + 00N	47	<1	10	<0.2	7	8	0.09	0.14	2.01	186	<1	29	10	11	5
L27E 7 + 50N	67	<1	6	<0.2	13	26	0.16	0.29	2.43	145	<1	33	17	20	<5
L27E 7 + 00N	36	<1	2	<0.2	10	15	0.14	0.27	1.71	97	<1	27	12	16	<5
L27E 6 + 50N	68	<1	4	<0.2	16	26	0.30	0.46	2.22	527	<1	31	19	28	<5
L27E 6 + 00N	43	<1	4	<0.2	12	17	0.14	0.27	1.97	165	<1	28	11	18	<5
L27E 5 + 50N	39	<1	6	0.2	9	9	0.07	0.17	2.01	211	<1	28	9	13	5
L27E 5 + 00N	23	<1	<2	<0.2	4	8	0.08	0.14	1.18	84	<1	15	5	8	<5
L27E 4 + 50N	38	<1	<2	<0.2	15	18	0.17	0.34	1.81	153	<1	24	11	19	<5
L27E 4 + 00N	291	1	26	<0.2	16	24	0.41	0.39	2.89	746	<1	42	15	19	5
L27E 3 + 50N	154	<1	14	<0.2	19	28	0.29	0.42	2.92	333	<1	43	17	23	5
L27E 3 + 00N	101	<1	12	<0.2	10	14	0.07	0.43	3.90	415	<1	61	19	32	5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L24E 1 + 50N	<5	<5	110	6.47	0.14	0.03	27	<20	<10	10	30	<2	990	0.24	<10
L24E 1 + 00N	<5	<5	235	7.31	0.24	0.01	50	<20	<10	40	75	<2	2820	0.25	<10
L24E 0 + 50N	<5	<5	85	4.33	0.08	0.01	16	<20	<10	<10	16	<2	580	0.20	<10
L24E 0 + 00S BL	<5	<5	50	1.65	0.06	0.01	9	<20	<10	<10	9	<2	670	0.10	<10
L24E 0 + 50S	<5	<5	70	2.46	0.06	0.01	11	<20	<10	<10	11	<2	750	0.13	<10
L24E 1 + 00S	<5	<5	30	1.59	0.03	<0.01	5	<20	<10	<10	6	<2	690	0.07	<10
L24E 1 + 50S	<5	<5	95	3.47	0.05	0.01	12	<20	<10	<10	14	<2	970	0.19	<10
L24E 2 + 00S	<5	<5	75	1.87	0.04	0.01	9	<20	<10	<10	9	<2	310	0.10	<10
L24E 2 + 50S	<5	<5	35	1.29	0.03	<0.01	6	<20	<10	<10	7	<2	510	0.07	<10
L24E 3 + 00S	<5	<5	75	3.12	0.05	0.01	8	<20	<10	<10	17	<2	610	0.16	<10
L24E 3 + 50S	<5	<5	95	3.06	0.04	0.01	8	<20	<10	<10	14	<2	920	0.16	<10
L24E 4 + 00S	<5	<5	50	0.75	0.04	<0.01	6	<20	<10	<10	6	<2	370	0.03	<10
L24E 4 + 50S	<5	<5	45	1.35	0.04	<0.01	7	<20	<10	10	8	<2	130	0.08	<10
L24E 5 + 00S	<5	<5	30	1.03	0.02	<0.01	8	<20	<10	<10	6	<2	230	0.06	<10
L24E 5 + 50S	<5	<5	95	4.79	0.03	0.01	23	<20	<10	10	27	<2	430	0.20	<10
L24E 6 + 00S	<5	<5	95	2.34	0.10	0.01	20	<20	<10	10	17	<2	450	0.11	<10
L24E 6 + 50S	<5	<5	165	4.07	0.04	0.01	21	<20	<10	20	28	<2	760	0.07	<10
L24E 7 + 00S	<5	<5	110	2.11	0.07	0.01	14	<20	<10	10	10	<2	400	0.10	<10
L24E 7 + 50S	5	<5	100	2.25	0.09	0.01	18	<20	<10	10	10	<2	480	0.09	<10
L24E 8 + 00S	<5	<5	110	2.35	0.08	0.01	12	<20	<10	10	11	<2	810	0.11	<10
L24E 8 + 50S	<5	<5	70	2.11	0.04	0.01	25	<20	<10	<10	10	<2	540	0.10	<10
L24E 9 + 00S	<5	<5	90	4.19	0.04	0.02	73	<20	<10	<10	18	2	920	0.13	<10
L24E 9 + 50S	<5	<5	95	2.31	0.07	0.01	15	<20	<10	10	13	<2	360	0.13	<10
L24E 10 + 00S	<5	<5	75	4.23	0.04	0.01	7	<20	<10	<10	15	<2	1510	0.18	<10
L27E 10 + 00N	<5	<5	75	1.75	0.09	<0.01	11	<20	<10	10	9	<2	280	0.10	<10
L27E 9 + 50N	<5	<5	95	2.06	0.13	0.01	20	<20	<10	<10	11	<2	270	0.12	<10
L27E 9 + 00N	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
L27E 8 + 50N	<5	<5	65	1.77	0.14	0.01	14	<20	<10	10	12	<2	360	0.11	<10
L27E 8 + 00N	<5	<5	80	2.85	0.05	0.01	10	<20	<10	<10	16	<2	610	0.18	<10
L27E 7 + 50N	<5	<5	125	3.13	0.08	0.01	15	<20	<10	<10	13	<2	330	0.15	<10
L27E 7 + 00N	<5	<5	60	1.46	0.05	0.01	10	<20	<10	<10	9	<2	180	0.10	<10
L27E 6 + 50N	<5	<5	105	3.39	0.15	0.01	25	<20	<10	10	15	<2	530	0.13	<10
L27E 6 + 00N	<5	<5	70	2.08	0.05	<0.01	11	<20	<10	<10	10	<2	450	0.11	<10
L27E 5 + 50N	<5	<5	55	3.34	0.04	<0.01	9	<20	<10	<10	13	<2	830	0.16	<10
L27E 5 + 00N	<5	<5	30	1.34	0.03	<0.01	7	<20	<10	<10	6	<2	290	0.06	<10
L27E 4 + 50N	<5	<5	45	1.81	0.05	0.01	13	<20	<10	<10	10	<2	600	0.10	<10
L27E 4 + 00N	<5	<5	105	5.19	0.08	0.01	16	<20	<10	10	28	2	2280	0.22	<10
L27E 3 + 50N	<5	<5	200	5.39	0.10	0.01	17	<20	<10	<10	22	2	1190	0.23	<10
L27E 3 + 00N	5	<5	120	2.57	0.22	<0.01	9	<20	<10	<10	24	<2	590	0.34	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L27E 2 + 50N	96	<1	6	<0.2	15	23	0.19	0.60	3.11	392	<1	51	19	31	5
L27E 2 + 00N	100	<1	4	<0.2	25	30	0.26	0.25	3.09	137	<1	38	16	23	5
L27E 1 + 50N	93	<1	6	<0.2	21	21	0.18	0.48	2.79	147	<1	44	19	26	<5
L27E 1 + 00N	33	<1	2	<0.2	5	8	0.13	0.18	1.60	86	<1	25	7	13	<5
L27E 0 + 50N	101	<1	2	<0.2	21	27	0.42	0.36	2.16	770	<1	26	14	20	<5
L27E 0 + 00N BL	60	<1	2	<0.2	9	12	0.09	0.27	1.69	107	<1	26	10	14	<5
L27E 0 + 50S	186	2	6	<0.2	24	28	0.44	0.53	2.55	309	<1	35	17	26	<5
L27E 1 + 00S	59	<1	8	<0.2	8	10	0.09	0.17	2.18	272	<1	30	11	12	5
L27E 1 + 50S	217	1	18	<0.2	17	16	0.26	0.35	1.88	112	<1	28	11	17	<5
L27E 2 + 00S	47	<1	<2	<0.2	3	7	0.16	0.13	0.79	46	<1	10	4	5	<5
L27E 2 + 50S	96	<1	18	<0.2	9	10	0.33	0.22	1.60	436	<1	26	8	13	<5
L27E 3 + 00S	105	1	14	<0.2	11	13	0.28	0.30	1.84	267	<1	35	9	18	<5
L27E 3 + 50S	167	1	4	<0.2	13	19	0.31	0.42	2.22	351	<1	33	12	24	<5
L27E 4 + 00S	41	<1	<2	<0.2	11	8	0.42	0.19	1.35	99	<1	18	5	11	<5
L27E 4 + 50S	23	<1	<2	<0.2	11	8	0.25	0.25	1.10	130	<1	16	6	11	<5
L27E 5 + 00S	16	<1	<2	<0.2	10	9	0.21	0.21	0.95	88	<1	12	7	9	<5
L27E 5 + 50S	74	<1	2	<0.2	6	8	0.14	0.21	1.41	81	<1	21	6	12	<5
L27E 6 + 00S	33	<1	<2	<0.2	10	8	0.32	0.23	1.01	103	<1	17	6	10	<5
L27E 6 + 50S	47	1	6	<0.2	7	8	0.16	0.15	2.11	62	<1	33	8	13	<5
L27E 7 + 00S	54	<1	4	0.2	15	18	0.10	0.22	2.07	120	<1	28	9	16	<5
L27E 7 + 50S	67	<1	6	<0.2	24	26	0.22	0.60	2.97	187	<1	50	15	38	<5
L27E 8 + 00S	67	<1	8	<0.2	14	14	0.13	0.25	2.23	254	1	34	12	19	5
L27E 8 + 50S	97	<1	6	<0.2	15	27	0.14	0.44	2.62	174	<1	41	15	27	5
L27E 9 + 00S	45	2	4	<0.2	3	8	0.08	0.15	1.44	104	<1	23	5	11	<5
L27E 9 + 50S	139	1	10	0.4	37	211	0.64	0.29	2.76	766	1	26	14	44	<5
L27E 10 + 00S	132	<1	8	<0.2	18	41	0.21	0.39	2.88	515	<1	40	16	29	<5
L30E 10 + 00N	58	<1	4	<0.2	10	12	0.08	0.19	1.98	149	<1	27	12	14	<5
L30E 9 + 50N	51	<1	6	<0.2	14	14	0.15	0.30	2.20	201	<1	29	14	18	<5
L30E 9 + 00N	29	<1	2	<0.2	8	11	0.11	0.23	1.45	119	<1	21	9	13	<5
L30E 8 + 50N	53	<1	6	<0.2	4	9	0.11	0.18	1.75	371	<1	27	8	14	<5
L30E 8 + 00N	82	<1	8	<0.2	6	11	0.12	0.19	2.04	574	<1	28	11	15	<5
L30E 7 + 50N	62	<1	8	<0.2	14	19	0.12	0.25	2.29	621	<1	32	18	19	<5
L30E 7 + 00N	110	<1	14	<0.2	12	25	0.29	0.45	2.94	1282	<1	43	18	29	5
L30E 6 + 50N	45	<1	2	<0.2	18	18	0.07	0.29	2.10	94	<1	30	11	20	<5
L30E 6 + 00N	39	<1	8	0.2	10	10	0.08	0.13	2.10	157	<1	32	10	10	<5
L30E 5 + 50N	24	<1	<2	<0.2	11	12	0.12	0.19	1.25	91	<1	17	7	12	<5
L30E 5 + 00N	72	<1	6	0.2	14	14	0.11	0.15	1.81	203	<1	24	10	12	<5
L30E 4 + 50N	76	<1	4	<0.2	13	25	0.15	0.34	2.15	335	<1	33	16	26	<5
L30E 4 + 00N	47	<1	4	<0.2	17	20	0.18	0.33	2.22	198	<1	33	13	20	<5

Final

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L27E 2 + 50N	5	<5	105	2.62	0.11	0.01	13	<20	<10	<10	16	<2	990	0.21	<10
L27E 2 + 00N	<5	<5	195	6.58	0.13	0.01	24	<20	<10	10	30	2	1500	0.24	<10
L27E 1 + 50N	<5	<5	95	3.53	0.10	0.01	13	<20	<10	<10	18	<2	730	0.22	<10
L27E 1 + 00N	<5	<5	45	1.35	0.03	<0.01	8	<20	<10	<10	8	<2	440	0.09	<10
L27E 0 + 50N	<5	<5	125	3.99	0.09	0.01	20	<20	<10	10	30	<2	910	0.16	<10
L27E 0 + 00N BL	<5	<5	90	1.94	0.07	<0.01	9	<20	<10	<10	13	<2	330	0.12	<10
L27E 0 + 50S	<5	<5	185	2.62	0.17	0.01	21	<20	<10	20	23	<2	150	0.16	<10
L27E 1 + 00S	<5	<5	85	3.03	0.06	0.01	9	<20	<10	10	17	<2	540	0.17	<10
L27E 1 + 50S	<5	<5	130	1.46	0.05	0.01	12	<20	<10	10	13	<2	560	0.08	<10
L27E 2 + 00S	<5	<5	30	0.73	0.03	<0.01	7	<20	<10	<10	6	<2	410	0.02	<10
L27E 2 + 50S	<5	<5	75	1.62	0.06	0.01	15	<20	<10	10	10	<2	660	0.08	<10
L27E 3 + 00S	<5	<5	95	1.92	0.06	0.01	13	<20	<10	10	11	<2	720	0.10	<10
L27E 3 + 50S	<5	<5	175	2.72	0.10	0.01	20	<20	<10	10	14	<2	690	0.13	<10
L27E 4 + 00S	<5	<5	45	1.34	0.04	<0.01	16	<20	<10	10	10	<2	290	0.06	<10
L27E 4 + 50S	<5	<5	45	0.82	0.10	0.01	13	<20	<10	10	8	<2	430	0.05	<10
L27E 5 + 00S	<5	<5	25	0.71	0.10	0.01	9	<20	<10	10	7	<2	530	0.04	<10
L27E 5 + 50S	<5	<5	50	1.43	0.04	<0.01	9	<20	<10	10	9	<2	450	0.07	<10
L27E 6 + 00S	<5	<5	90	0.83	0.07	0.01	16	<20	<10	10	8	<2	450	0.05	<10
L27E 6 + 50S	<5	<5	60	3.00	0.03	0.01	10	<20	<10	10	15	<2	350	0.14	<10
L27E 7 + 00S	<5	<5	55	1.81	0.04	<0.01	8	<20	<10	10	8	<2	450	0.07	<10
L27E 7 + 50S	<5	<5	95	2.89	0.14	0.01	17	<20	<10	20	16	<2	390	0.16	<10
L27E 8 + 00S	<5	<5	85	3.37	0.06	0.01	11	<20	<10	10	21	<2	1150	0.16	<10
L27E 8 + 50S	<5	<5	120	3.21	0.10	0.01	11	<20	<10	20	18	<2	630	0.17	<10
L27E 9 + 00S	<5	<5	30	1.10	0.02	<0.01	7	<20	<10	<10	6	<2	920	0.06	<10
L27E 9 + 50S	<5	<5	140	4.01	0.07	0.01	37	<20	<10	60	64	<2	460	0.16	<10
L27E 10 + 00S	<5	<5	170	2.93	0.07	0.01	15	<20	<10	10	12	<2	2380	0.13	<10
L30E 10 + 00N	<5	<5	60	2.30	0.05	0.01	8	<20	<10	<10	12	<2	530	0.14	<10
L30E 9 + 50N	<5	<5	85	2.82	0.07	0.01	12	<20	<10	<10	15	<2	590	0.15	<10
L30E 9 + 00N	<5	<5	60	1.69	0.04	0.01	11	<20	<10	<10	9	<2	410	0.08	<10
L30E 8 + 50N	<5	<5	60	1.95	0.05	0.01	9	<20	<10	<10	11	<2	710	0.12	<10
L30E 8 + 00N	<5	<5	60	2.50	0.06	0.01	9	<20	<10	<10	11	<2	1960	0.14	<10
L30E 7 + 50N	<5	<5	95	4.67	0.09	0.01	12	<20	<10	10	23	2	1090	0.19	<10
L30E 7 + 00N	5	<5	125	3.18	0.14	0.01	21	<20	<10	<10	17	<2	1030	0.21	<10
L30E 6 + 50N	5	<5	45	2.26	0.07	<0.01	8	<20	<10	<10	12	<2	570	0.11	<10
L30E 6 + 00N	<5	<5	75	4.29	0.03	0.01	9	<20	<10	<10	19	<2	640	0.19	<10
L30E 5 + 50N	<5	<5	40	1.14	0.03	<0.01	8	<20	<10	<10	7	<2	190	0.06	<10
L30E 5 + 00N	<5	<5	65	3.28	0.05	0.01	10	<20	<10	<10	15	<2	620	0.15	<10
L30E 4 + 50N	<5	<5	65	2.09	0.07	0.01	10	<20	<10	<10	12	<2	430	0.15	<10
L30E 4 + 00N	5	<5	80	3.89	0.07	0.01	14	<20	<10	10	18	<2	590	0.16	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L30E 3 + 50N	78	<1	8	<0.2	7	9	0.07	0.27	2.69	287	<1	48	14	12	5
L30E 3 + 00N	83	<1	6	<0.2	21	22	0.12	0.31	2.84	376	<1	46	20	22	<5
L30E 2 + 50N	34	<1	<2	<0.2	13	24	0.13	0.31	1.34	98	<1	19	11	24	<5
L30E 2 + 00N	97	<1	2	<0.2	21	34	0.25	1.71	4.95	1945	<1	48	25	38	5
L30E 1 + 50N	84	<1	4	<0.2	14	20	0.19	0.40	2.58	798	<1	37	15	18	<5
L30E 1 + 00N	71	<1	6	0.2	16	12	0.08	0.18	2.38	270	<1	34	14	11	5
L30E 0 + 50N	323	<1	34	0.2	23	18	0.08	0.27	3.19	180	1	47	10	14	<5
L30E 0 + 00N BL	737	1	20	<0.2	4	14	0.10	0.18	1.63	160	1	21	7	9	<5
L30E 0 + 50S	33	1	<2	<0.2	10	8	0.13	0.19	0.97	96	<1	12	5	8	<5
L30E 1 + 00S	149	<1	10	<0.2	13	13	0.16	0.29	2.19	183	<1	32	12	16	5
L30E 1 + 50S	38	<1	<2	<0.2	8	8	0.21	0.21	1.19	87	<1	16	7	12	<5
L30E 2 + 00S	81	1	2	<0.2	7	10	0.17	0.33	1.69	112	<1	27	8	19	<5
L30E 2 + 50S	64	<1	4	<0.2	11	10	0.40	0.33	1.92	121	<1	29	8	19	<5
L30E 3 + 00S	93	1	6	<0.2	6	11	0.10	0.20	1.72	711	<1	25	10	15	<5
L30E 3 + 50S	73	3	6	<0.2	8	14	0.23	0.33	2.06	139	<1	30	10	20	<5
L30E 4 + 00S	79	2	4	<0.2	10	15	0.40	0.34	2.30	141	1	34	12	22	<5
L30E 4 + 50S	91	1	14	<0.2	18	17	0.84	0.41	2.56	875	1	38	12	27	<5
L30E 5 + 00S	64	<1	6	<0.2	13	16	0.39	0.39	2.17	196	<1	33	11	23	<5
L30E 5 + 50S	81	4	6	<0.2	16	39	0.39	0.40	2.23	116	<1	37	11	27	<5
L30E 6 + 00S	72	<1	6	<0.2	19	47	0.42	0.32	2.24	106	<1	32	11	26	<5
L30E 6 + 50S	102	<1	8	<0.2	23	75	0.24	0.44	5.87	363	1	60	32	51	10
L30E 7 + 00S	93	4	6	<0.2	13	14	0.13	0.24	1.77	98	<1	28	9	15	<5
L30E 7 + 50S	134	1	6	<0.2	17	29	0.14	0.37	2.34	380	<1	36	14	24	<5
L30E 8 + 00S	58	1	8	<0.2	7	10	0.07	0.15	1.97	219	<1	31	7	16	<5
L30E 8 + 50S	96	<1	10	<0.2	19	18	0.11	0.18	2.37	286	<1	31	13	13	5
L30E 9 + 00S	78	3	8	<0.2	19	28	0.18	0.40	2.59	872	<1	37	14	28	5
L30E 9 + 50S	53	1	4	<0.2	18	21	0.11	0.37	2.08	152	<1	29	11	22	<5
L30E 10 + 00S	102	<1	6	<0.2	15	24	0.21	0.43	2.28	732	<1	34	14	26	<5
L33E 10 + 00N	58	<1	2	<0.2	6	12	0.11	0.22	1.50	182	<1	21	9	13	<5
L33E 9 + 50N	113	<1	4	<0.2	11	18	0.14	0.24	2.65	385	<1	36	17	21	<5
L33E 9 + 00N	51	<1	2	<0.2	16	22	0.36	0.47	2.23	201	<1	30	14	28	<5
L33E 8 + 50N	85	<1	6	<0.2	9	17	0.33	0.27	2.40	471	<1	30	13	16	5
L33E 8 + 00N	52	<1	4	<0.2	18	26	0.32	0.53	2.38	286	<1	32	14	30	<5
L33E 7 + 50N	29	<1	<2	<0.2	10	11	0.11	0.22	1.35	103	<1	17	9	12	<5
L33E 7 + 00N	47	<1	4	<0.2	7	13	0.10	0.24	1.81	175	<1	27	11	16	<5
L33E 6 + 50N	41	<1	6	<0.2	16	15	0.12	0.23	2.33	126	<1	30	17	16	<5
L33E 6 + 00N	33	<1	<2	<0.2	9	13	0.15	0.24	1.44	105	<1	18	8	14	<5
L33E 5 + 50N	65	<1	2	<0.2	14	19	0.22	0.32	2.34	103	<1	32	13	20	<5
L33E 5 + 00N	31	<1	2	<0.2	10	12	0.19	0.24	1.49	112	<1	22	8	14	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L30E 3 + 50N	5	<5	80	2.85	0.05	0.01	7	<20	<10	<10	19	<2	1480	0.25	<10
L30E 3 + 00N	<5	<5	85	3.30	0.07	0.01	9	<20	<10	<10	15	<2	1890	0.19	<10
L30E 2 + 50N	<5	<5	45	1.10	0.07	<0.01	7	<20	<10	<10	6	<2	300	0.07	<10
L30E 2 + 00N	<5	5	135	3.54	0.13	0.01	12	<20	<10	<10	18	2	800	0.23	<10
L30E 1 + 50N	<5	<5	100	4.96	0.07	0.01	16	<20	<10	10	31	<2	1070	0.24	<10
L30E 1 + 00N	<5	<5	90	4.76	0.05	0.01	9	<20	<10	<10	22	<2	1250	0.23	<10
L30E 0 + 50N	<5	<5	235	3.61	0.05	0.01	9	<20	<10	10	19	<2	1170	0.15	<10
L30E 0 + 00N BL	<5	<5	160	1.40	0.03	<0.01	7	<20	<10	<10	6	<2	550	0.06	<10
L30E 0 + 50S	<5	<5	35	0.79	0.05	<0.01	7	<20	<10	<10	6	<2	380	0.04	<10
L30E 1 + 00S	<5	<5	110	3.47	0.08	0.01	12	<20	<10	10	19	<2	840	0.16	<10
L30E 1 + 50S	<5	<5	95	1.00	0.07	0.01	10	<20	<10	10	8	<2	150	0.06	<10
L30E 2 + 00S	<5	<5	85	1.57	0.09	<0.01	10	<20	<10	10	10	<2	410	0.09	<10
L30E 2 + 50S	<5	<5	115	1.70	0.08	<0.01	24	<20	<10	10	11	<2	580	0.10	<10
L30E 3 + 00S	<5	<5	55	1.99	0.06	0.01	9	<20	<10	10	11	<2	1310	0.12	<10
L30E 3 + 50S	<5	<5	85	2.06	0.09	<0.01	13	<20	<10	10	13	<2	560	0.12	<10
L30E 4 + 00S	<5	<5	85	3.02	0.07	0.01	19	<20	<10	10	17	<2	360	0.13	<10
L30E 4 + 50S	<5	<5	160	3.20	0.14	0.01	38	<20	<10	20	20	<2	590	0.15	<10
L30E 5 + 00S	<5	<5	120	2.43	0.09	0.01	24	<20	<10	10	15	<2	480	0.13	<10
L30E 5 + 50S	<5	<5	195	2.55	0.09	0.01	24	<20	<10	10	13	<2	210	0.12	<10
L30E 6 + 00S	<5	<5	110	2.90	0.07	0.01	26	<20	<10	10	15	<2	420	0.12	<10
L30E 6 + 50S	5	<5	80	3.39	0.02	0.01	14	<20	<10	10	16	<2	3070	0.20	<10
L30E 7 + 00S	<5	<5	65	1.89	0.04	<0.01	10	<20	<10	<10	10	<2	620	0.10	<10
L30E 7 + 50S	<5	<5	90	1.90	0.05	<0.01	12	<20	<10	10	9	<2	770	0.10	<10
L30E 8 + 00S	<5	<5	55	1.69	0.03	<0.01	9	<20	<10	10	6	<2	590	0.05	<10
L30E 8 + 50S	<5	<5	95	4.90	0.04	0.01	12	<20	<10	20	28	<2	920	0.21	<10
L30E 9 + 00S	<5	<5	105	3.30	0.05	0.01	13	<20	<10	10	15	<2	1380	0.16	<10
L30E 9 + 50S	<5	<5	65	2.34	0.05	<0.01	9	<20	<10	10	12	<2	850	0.11	<10
L30E 10 + 00S	<5	<5	105	1.99	0.07	<0.01	15	<20	<10	10	12	<2	450	0.13	<10
L33E 10 + 00N	<5	<5	50	1.38	0.07	<0.01	9	<20	<10	<10	8	<2	810	0.09	<10
L33E 9 + 50N	<5	<5	90	4.57	0.08	0.01	13	<20	<10	<10	15	<2	2830	0.19	<10
L33E 9 + 00N	<5	<5	115	2.71	0.14	0.02	39	<20	<10	10	11	<2	540	0.12	<10
L33E 8 + 50N	<5	<5	105	4.34	0.08	0.01	20	<20	<10	<10	15	2	2590	0.18	<10
L33E 8 + 00N	<5	<5	70	3.45	0.12	0.01	21	<20	<10	10	23	<2	490	0.17	<10
L33E 7 + 50N	<5	<5	35	1.28	0.04	<0.01	8	<20	<10	<10	7	<2	380	0.06	<10
L33E 7 + 00N	<5	<5	50	1.62	0.05	<0.01	8	<20	<10	<10	9	<2	480	0.11	<10
L33E 6 + 50N	<5	<5	80	3.46	0.06	0.01	11	<20	<10	10	21	<2	510	0.20	<10
L33E 6 + 00N	<5	<5	30	1.40	0.04	<0.01	9	<20	<10	10	7	<2	330	0.06	<10
L33E 5 + 50N	<5	<5	70	2.73	0.07	0.01	12	<20	<10	<10	12	<2	400	0.14	<10
L33E 5 + 00N	<5	<5	70	1.51	0.05	0.01	9	<20	<10	10	9	<2	240	0.08	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L33E 4 + 50N	40	<1	4	<0.2	8	10	0.12	0.15	2.12	82	<1	29	11	11	5
L33E 4 + 00N	51	<1	6	<0.2	8	11	0.11	0.20	1.64	116	<1	24	10	14	<5
L33E 3 + 50N	51	<1	2	<0.2	13	19	0.22	0.29	2.37	148	<1	33	16	25	<5
L33E 3 + 00N	48	<1	<2	<0.2	7	13	0.17	0.26	1.56	97	<1	23	10	15	<5
L33E 2 + 50N	54	<1	2	<0.2	19	19	0.18	0.25	2.19	96	<1	30	14	16	<5
L33E 2 + 00N	62	<1	2	<0.2	15	25	0.56	0.47	2.20	197	<1	29	14	23	<5
L33E 1 + 50N	44	<1	<2	<0.2	8	13	0.16	0.25	1.67	115	<1	24	10	14	<5
L33E 1 + 00N	49	<1	2	<0.2	13	17	0.22	0.31	2.00	156	<1	28	13	18	<5
L33E 0 + 50N	82	<1	<2	<0.2	20	79	0.47	0.57	3.08	261	<1	39	26	36	5
L33E 0 + 00N BL	489	1	6	<0.2	10	21	0.15	0.27	2.12	226	<1	30	11	16	<5
L33E 0 + 50S	1265	2	1022	0.2	22	6	0.69	0.41	13.29	205	10	138	13	12	15
L33E 1 + 00S	335	1	12	<0.2	5	7	0.12	0.14	1.58	326	<1	22	6	9	<5
L33E 1 + 50S	183	<1	4	<0.2	7	13	0.13	0.19	1.42	105	<1	22	7	10	<5
L33E 2 + 00S	41	1	6	<0.2	3	5	0.08	0.10	1.08	106	<1	16	5	7	<5
L33E 2 + 50S	81	<1	10	<0.2	13	17	0.45	0.27	2.88	289	1	31	14	16	5
L33E 3 + 00S	72	<1	10	<0.2	7	8	0.08	0.13	1.86	163	<1	26	8	9	5
L33E 3 + 50S	205	2	14	<0.2	11	23	0.43	0.29	2.63	440	1	35	13	21	<5
L33E 4 + 00S	85	2	6	<0.2	10	13	0.13	0.31	1.92	116	<1	28	10	18	5
L33E 4 + 50S	70	<1	4	<0.2	9	16	0.08	0.22	1.63	88	<1	24	9	14	<5
L33E 5 + 00S	34	2	<2	<0.2	8	19	0.11	0.19	1.15	110	<1	16	8	10	<5
L33E 5 + 50S	70	1	6	<0.2	6	13	0.11	0.23	1.65	100	<1	23	9	12	<5
L33E 6 + 00S	76	2	8	<0.2	10	26	0.16	0.20	2.16	257	<1	31	14	19	5
L33E 6 + 50S	115	1	6	<0.2	20	51	0.35	0.49	2.55	1097	<1	38	19	35	5
L33E 7 + 00S	85	1	4	<0.2	34	59	0.24	0.42	2.80	733	<1	38	22	36	<5
L33E 7 + 50S	90	1	8	<0.2	30	43	0.17	0.28	1.94	298	<1	30	88	21	<5
L33E 8 + 00S	117	<1	6	<0.2	30	50	0.23	0.52	2.84	407	<1	41	23	36	<5
L33E 8 + 50S	110	<1	4	<0.2	29	45	0.36	0.68	2.96	927	<1	50	24	40	<5
L33E 9 + 00S	111	<1	4	<0.2	32	58	0.39	0.46	2.58	2907	<1	40	24	43	<5
L33E 9 + 50S	95	<1	4	<0.2	9	16	0.15	0.23	2.01	1008	<1	29	11	15	<5
L33E 10 + 00S	111	<1	2	<0.2	13	21	0.16	0.23	2.56	262	<1	33	16	18	<5
L36E 10 + 00N	12	<1	<2	<0.2	9	9	0.19	0.19	0.90	74	<1	11	4	8	<5
L36E 9 + 50N	46	<1	<2	<0.2	21	26	0.38	0.46	2.29	404	<1	31	14	29	<5
L36E 9 + 00N	22	<1	<2	<0.2	4	6	0.10	0.22	1.06	85	<1	18	6	11	<5
L36E 8 + 50N	91	<1	<2	<0.2	9	16	0.12	0.28	2.14	227	<1	32	12	16	<5
L36E 8 + 00N	40	<1	<2	<0.2	15	17	0.19	0.44	2.12	218	<1	32	11	24	<5
L36E 7 + 50N	24	<1	<2	<0.2	8	13	0.13	0.29	1.43	114	<1	20	9	14	<5
L36E 7 + 00N	76	<1	2	<0.2	13	13	0.24	0.36	2.29	472	<1	35	13	24	<5
L36E 6 + 50N	59	<1	8	<0.2	8	7	0.15	0.14	2.30	923	<1	34	10	14	<5
L36E 6 + 00N	22	<1	<2	<0.2	11	10	0.25	0.31	1.19	90	<1	17	6	12	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L33E 4 + 50N	<5	<5	65	3.80	0.04	0.01	12	<20	<10	<10	16	<2	970	0.17	<10
L33E 4 + 00N	<5	<5	55	2.20	0.05	<0.01	11	<20	<10	<10	9	<2	640	0.10	<10
L33E 3 + 50N	<5	<5	105	3.77	0.09	0.01	18	<20	<10	10	14	<2	560	0.15	<10
L33E 3 + 00N	<5	<5	40	1.54	0.06	<0.01	11	<20	<10	10	8	<2	450	0.08	<10
L33E 2 + 50N	<5	<5	195	3.23	0.09	0.01	34	<20	<10	<10	13	<2	440	0.13	<10
L33E 2 + 00N	<5	<5	150	2.67	0.09	0.02	30	<20	<10	10	13	<2	200	0.13	<10
L33E 1 + 50N	<5	<5	80	1.90	0.06	0.01	11	<20	<10	10	9	<2	620	0.10	<10
L33E 1 + 00N	<5	<5	85	2.85	0.08	0.01	15	<20	<10	<10	12	<2	600	0.14	<10
L33E 0 + 50N	<5	<5	85	3.50	0.21	0.03	23	<20	<10	<10	15	<2	1410	0.18	<10
L33E 0 + 00N BL	<5	<5	120	3.07	0.09	0.01	13	<20	<10	<10	14	<2	530	0.15	<10
L33E 0 + 50S	35	<5	315	1.99	0.05	<0.01	23	<20	<10	40	11	<2	5460	0.11	10
L33E 1 + 00S	<5	<5	75	1.93	0.03	<0.01	8	<20	<10	<10	9	<2	770	0.10	<10
L33E 1 + 50S	<5	<5	90	1.43	0.04	<0.01	9	<20	<10	10	8	<2	310	0.07	<10
L33E 2 + 00S	<5	<5	25	1.08	0.02	<0.01	6	<20	<10	<10	6	<2	810	0.06	<10
L33E 2 + 50S	<5	<5	85	5.27	0.07	0.02	65	<20	<10	10	19	2	1240	0.17	<10
L33E 3 + 00S	<5	<5	50	2.87	0.03	<0.01	9	<20	<10	<10	12	<2	960	0.14	<10
L33E 3 + 50S	<5	<5	85	3.60	0.09	0.01	22	<20	<10	10	14	2	1070	0.16	<10
L33E 4 + 00S	<5	<5	80	2.10	0.06	<0.01	10	<20	<10	10	11	<2	600	0.11	<10
L33E 4 + 50S	<5	<5	75	2.01	0.04	<0.01	8	<20	<10	<10	9	<2	500	0.08	<10
L33E 5 + 00S	<5	<5	35	1.07	0.03	<0.01	8	<20	<10	<10	5	<2	320	0.05	<10
L33E 5 + 50S	<5	<5	55	1.71	0.04	<0.01	9	<20	<10	<10	10	<2	610	0.10	<10
L33E 6 + 00S	<5	<5	60	2.65	0.05	<0.01	11	<20	<10	10	12	<2	1610	0.14	<10
L33E 6 + 50S	<5	<5	135	2.49	0.09	0.01	20	<20	<10	10	14	<2	1720	0.17	<10
L33E 7 + 00S	<5	<5	140	3.61	0.07	0.01	18	<20	<10	10	18	<2	1770	0.17	<10
L33E 7 + 50S	<5	<5	65	1.29	0.04	0.01	13	<20	<10	10	17	<2	360	0.16	<10
L33E 8 + 00S	<5	<5	165	2.60	0.09	0.01	14	<20	<10	<10	14	2	1100	0.17	<10
L33E 8 + 50S	<5	<5	165	2.39	0.14	0.01	27	<20	<10	<10	16	<2	650	0.21	<10
L33E 9 + 00S	<5	<5	230	2.14	0.13	0.01	26	<20	<10	<10	15	<2	1000	0.18	<10
L33E 9 + 50S	<5	<5	115	1.85	0.05	<0.01	13	<20	<10	<10	9	<2	2170	0.12	<10
L33E 10 + 00S	<5	<5	85	4.43	0.05	0.01	14	<20	<10	<10	15	<2	2050	0.18	<10
L36E 10 + 00N	<5	<5	15	0.71	0.03	0.01	9	<20	<10	<10	7	<2	250	0.03	<10
L36E 9 + 50N	<5	<5	100	3.05	0.13	0.02	29	<20	<10	10	23	<2	320	0.14	<10
L36E 9 + 00N	<5	<5	30	1.02	0.04	<0.01	7	<20	<10	<10	7	<2	130	0.07	<10
L36E 8 + 50N	<5	<5	85	3.17	0.08	0.01	11	<20	<10	<10	11	<2	1790	0.14	<10
L36E 8 + 00N	<5	<5	70	1.84	0.12	0.01	12	<20	<10	<10	14	<2	190	0.12	<10
L36E 7 + 50N	<5	<5	65	1.31	0.06	<0.01	10	<20	<10	<10	6	<2	200	0.07	<10
L36E 7 + 00N	<5	<5	110	2.67	0.08	0.01	23	<20	<10	<10	13	<2	990	0.17	<10
L36E 6 + 50N	<5	<5	85	3.66	0.05	0.01	11	<20	<10	<10	13	<2	1380	0.19	<10
L36E 6 + 00N	<5	<5	35	1.03	0.05	0.01	13	<20	<10	<10	11	<2	130	0.07	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L36E 5 + 50N	16	<1	<2	<0.2	6	7	0.25	0.21	0.90	106	<1	13	5	9	<5
L36E 5 + 00N	53	<1	2	<0.2	12	14	0.35	0.44	1.93	162	<1	31	10	22	<5
L36E 4 + 50N	60	<1	2	<0.2	13	17	0.26	0.38	1.98	171	<1	30	12	19	<5
L36E 4 + 00N	37	<1	<2	<0.2	8	12	0.21	0.32	1.55	117	<1	24	10	17	<5
L36E 3 + 50N	47	<1	<2	<0.2	10	18	0.14	0.38	2.20	131	<1	33	12	26	<5
L36E 3 + 00N	66	<1	2	<0.2	6	9	0.11	0.20	1.38	266	<1	18	8	10	<5
L36E 2 + 50N	60	<1	2	<0.2	14	10	0.15	0.40	2.22	265	<1	31	11	16	<5
L36E 2 + 00N	35	<1	<2	<0.2	7	8	0.10	0.21	1.19	160	<1	16	6	10	<5
L36E 1 + 50N	15	<1	<2	<0.2	8	7	0.21	0.18	0.90	112	<1	12	4	8	<5
L36E 1 + 00N	54	<1	<2	<0.2	10	10	0.17	0.24	1.59	160	<1	22	7	11	<5
L36E 0 + 50N	654	1	6	<0.2	10	16	0.29	0.31	2.62	1729	<1	35	15	19	<5
L36E 0 + 00N BL	674	2	2	0.2	31	44	0.21	0.12	2.10	213	2	26	13	10	<5
L36E 0 + 50S	289	2	12	<0.2	11	15	0.51	0.25	2.54	750	1	31	13	19	<5
L36E 1 + 00S	237	2	8	<0.2	39	37	0.67	0.92	4.68	551	1	68	26	39	<5
L36E 1 + 50S	60	<1	<2	<0.2	7	8	0.14	0.24	1.78	103	<1	26	8	12	<5
L36E 2 + 00S	210	<1	8	<0.2	10	46	0.34	0.34	2.69	972	<1	33	15	59	<5
L36E 2 + 50S	76	<1	<2	<0.2	12	17	0.26	0.23	2.95	340	<1	34	13	14	<5
L36E 3 + 00S	94	<1	6	<0.2	14	21	0.18	0.31	2.17	728	5	34	10	19	<5
L36E 3 + 50S	110	<1	<2	<0.2	17	22	0.20	0.36	2.49	362	<1	35	13	21	<5
L36E 4 + 00S	109	<1	<2	<0.2	21	66	0.82	0.22	3.85	354	1	45	25	29	<5
L36E 4 + 50S	73	<1	<2	<0.2	19	33	0.17	0.38	2.22	158	<1	30	13	22	<5
L36E 5 + 00S	82	<1	6	<0.2	32	107	0.26	0.35	2.41	357	<1	33	21	25	<5
L36E 5 + 50S	305	1	2	0.4	15	93	1.40	0.23	1.95	202	<1	20	8	25	<5
L36E 6 + 00S	141	<1	8	<0.2	11	38	0.33	0.32	2.33	673	<1	35	17	29	<5
L36E 6 + 50S	298	1	32	<0.2	31	50	0.50	1.03	6.23	2175	1	86	27	59	5
L36E 7 + 00S	54	<1	2	<0.2	12	20	0.30	0.31	1.57	228	<1	22	8	21	<5
L36E 7 + 50S	60	<1	2	<0.2	10	19	0.14	0.18	1.97	187	<1	27	13	16	<5
L36E 8 + 00S	121	<1	2	<0.2	10	12	0.14	0.22	2.34	300	<1	33	11	17	<5
L36E 8 + 50S	122	<1	<2	<0.2	11	12	0.15	0.23	2.39	322	<1	33	11	17	<5
L36E 9 + 00S	157	<1	<2	<0.2	15	20	0.25	0.45	2.67	745	<1	39	15	24	<5
L36E 9 + 50S	67	<1	<2	0.2	9	14	0.15	0.21	1.71	110	<1	22	9	12	<5
L36E 10 + 00S	42	<1	<2	<0.2	13	33	0.38	0.41	1.63	158	<1	22	10	20	<5
L39E 10 + 00N	124	<1	4	<0.2	15	29	0.29	0.43	4.14	1498	<1	56	21	31	<5
L39E 9 + 50N	157	<1	<2	<0.2	32	47	0.88	0.94	4.14	283	<1	63	24	42	<5
L39E 9 + 00N	147	<1	<2	<0.2	26	36	0.54	0.50	3.97	358	<1	49	23	36	<5
L39E 8 + 50N	58	<1	<2	<0.2	11	29	0.23	0.33	1.56	266	<1	22	9	20	<5
L39E 8 + 00N	48	<1	<2	<0.2	5	10	0.18	0.33	1.51	235	<1	23	9	17	<5
L39E 7 + 50N	63	<1	<2	<0.2	7	12	0.13	0.27	1.85	97	<1	28	8	18	<5
L39E 7 + 00N	44	<1	<2	<0.2	5	8	0.16	0.24	1.24	198	<1	19	7	13	<5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L36E 5 + 50N	<5	<5	40	0.75	0.06	0.01	13	<20	<10	<10	6	<2	280	0.04	<10
L36E 5 + 00N	<5	5	100	1.86	0.13	0.01	19	<20	<10	<10	12	<2	240	0.14	<10
L36E 4 + 50N	<5	<5	85	2.43	0.10	0.01	21	<20	<10	<10	12	<2	450	0.14	<10
L36E 4 + 00N	<5	<5	50	1.60	0.07	0.01	14	<20	<10	<10	10	<2	170	0.10	<10
L36E 3 + 50N	<5	<5	60	2.01	0.06	<0.01	10	<20	<10	<10	10	<2	200	0.14	<10
L36E 3 + 00N	<5	<5	45	1.57	0.05	<0.01	8	<20	<10	<10	7	<2	520	0.09	<10
L36E 2 + 50N	<5	<5	60	2.71	0.07	0.01	10	<20	<10	<10	13	<2	1680	0.15	<10
L36E 2 + 00N	<5	<5	20	1.27	0.03	<0.01	6	<20	<10	<10	6	<2	710	0.06	<10
L36E 1 + 50N	<5	<5	25	0.69	0.06	0.01	11	<20	<10	<10	6	<2	230	0.04	<10
L36E 1 + 00N	<5	<5	25	1.17	0.03	<0.01	7	<20	<10	<10	6	<2	880	0.05	<10
L36E 0 + 50N	<5	<5	150	3.53	0.10	0.01	13	<20	<10	<10	15	<2	1650	0.18	<10
L36E 0 + 00N BL	<5	<5	295	4.14	0.02	0.01	12	<20	<10	10	26	<2	270	0.19	<10
L36E 0 + 50S	<5	<5	240	4.15	0.07	0.01	21	<20	<10	<10	11	2	3880	0.16	<10
L36E 1 + 00S	5	<5	125	2.95	0.02	0.01	32	<20	<10	<10	7	<2	2280	0.08	<10
L36E 1 + 50S	<5	<5	65	2.81	0.05	0.01	8	<20	<10	<10	9	<2	1630	0.12	<10
L36E 2 + 00S	<5	<5	140	3.14	0.06	0.01	21	<20	<10	<10	13	<2	1730	0.18	<10
L36E 2 + 50S	<5	<5	115	5.40	0.04	0.01	22	<20	<10	<10	17	<2	1530	0.22	<10
L36E 3 + 00S	<5	<5	55	2.20	0.07	<0.01	14	<20	20	<10	10	4	1200	0.14	<10
L36E 3 + 50S	<5	<5	85	3.34	0.08	0.01	16	<20	<10	<10	13	<2	1080	0.17	<10
L36E 4 + 00S	<5	<5	100	5.51	0.05	0.01	67	<20	<10	<10	18	<2	4360	0.21	<10
L36E 4 + 50S	<5	<5	75	2.19	0.08	<0.01	14	<20	<10	<10	9	<2	250	0.11	<10
L36E 5 + 00S	<5	<5	115	3.00	0.08	0.01	20	<20	<10	<10	12	<2	1300	0.16	<10
L36E 5 + 50S	<5	<5	100	2.72	0.04	0.01	60	<20	<10	10	44	<2	6130	0.11	<10
L36E 6 + 00S	5	<5	145	2.00	0.07	0.01	18	<20	<10	<10	13	<2	1490	0.17	<10
L36E 6 + 50S	15	<5	500	5.68	0.41	0.01	51	<20	<10	<10	24	2	3500	0.36	<10
L36E 7 + 00S	<5	<5	55	1.82	0.07	0.01	17	<20	<10	<10	8	<2	730	0.10	<10
L36E 7 + 50S	<5	<5	70	2.53	0.04	<0.01	18	<20	<10	<10	10	<2	1290	0.12	<10
L36E 8 + 00S	<5	<5	95	3.54	0.06	0.01	13	<20	<10	<10	14	<2	3110	0.18	<10
L36E 8 + 50S	<5	<5	100	3.68	0.06	0.01	14	<20	<10	<10	14	<2	3300	0.18	<10
L36E 9 + 00S	<5	<5	165	3.09	0.18	0.01	22	<20	<10	<10	15	<2	2560	0.22	<10
L36E 9 + 50S	<5	<5	65	2.99	0.04	0.01	13	<20	<10	<10	14	<2	1130	0.13	<10
L36E 10 + 00S	<5	<5	115	1.54	0.07	0.01	27	<20	<10	<10	9	<2	260	0.08	<10
L39E 10 + 00N	5	<5	210	4.30	0.20	0.01	20	<20	<10	<10	16	<2	1510	0.23	<10
L39E 9 + 50N	5	<5	145	5.31	0.13	0.04	30	<20	<10	<10	21	2	1920	0.21	<10
L39E 9 + 00N	5	<5	235	6.54	0.25	0.02	31	<20	<10	<10	29	2	1070	0.27	<10
L39E 8 + 50N	5	<5	70	1.62	0.11	0.01	13	<20	<10	<10	8	<2	250	0.09	<10
L39E 8 + 00N	<5	<5	60	1.62	0.11	0.01	12	<20	<10	<10	8	<2	500	0.10	<10
L39E 7 + 50N	<5	<5	80	1.92	0.08	<0.01	10	<20	<10	<10	8	<2	740	0.10	<10
L39E 7 + 00N	5	<5	60	1.28	0.07	<0.01	10	<20	<10	<10	7	<2	390	0.08	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L39E 6 + 50N	39	<1	<2	<0.2	9	12	0.20	0.26	1.79	98	<1	26	10	16	<5
L39E 6 + 00N	22	<1	<2	<0.2	14	13	0.19	0.29	1.47	104	<1	22	9	15	<5
L39E 5 + 50N	40	<1	<2	<0.2	9	13	0.22	0.28	1.96	100	<1	29	11	17	<5
L39E 5 + 00N	61	<1	<2	<0.2	17	15	0.20	0.31	2.50	113	<1	33	14	18	<5
L39E 4 + 50N	54	<1	<2	<0.2	7	11	0.16	0.30	1.74	298	<1	25	10	17	<5
L39E 4 + 00N	76	<1	<2	<0.2	10	15	0.11	0.21	2.76	184	2	38	14	18	<5
L39E 3 + 50N	27	<1	<2	<0.2	7	9	0.20	0.31	1.27	95	<1	20	7	14	<5
L39E 3 + 00N	77	<1	2	<0.2	8	15	0.14	0.29	2.21	200	<1	30	12	17	<5
L39E 2 + 50N	70	<1	<2	<0.2	13	17	0.14	0.23	2.29	420	<1	28	11	15	<5
L39E 2 + 00N	98	<1	6	<0.2	13	16	0.27	0.40	1.83	376	<1	29	11	20	<5
L39E 1 + 50N	982	<1	2	<0.2	13	44	0.20	0.36	2.01	222	<1	45	11	19	<5
L39E 1 + 00N	219	<1	<2	0.2	15	22	0.13	0.32	2.07	122	<1	31	12	19	<5
L39E 0 + 50N	140	<1	2	0.6	11	24	0.10	0.23	2.34	355	<1	34	13	14	<5
L39E 0 + 00N BL	60	<1	<2	<0.2	5	8	0.15	0.20	1.32	165	<1	19	6	11	<5
L39E 0 + 50S	242	<1	10	<0.2	15	26	0.44	0.34	3.42	528	<1	44	18	25	<5
L39E 1 + 00S	124	<1	2	<0.2	12	18	0.21	0.41	2.11	525	<1	33	11	25	<5
L39E 1 + 50S	95	<1	2	0.2	9	20	0.20	0.35	2.11	201	<1	29	11	18	<5
L39E 2 + 00S	63	<1	6	<0.2	16	16	0.28	0.43	2.01	536	<1	32	10	24	<5
L39E 2 + 50S	102	<1	10	<0.2	13	24	0.63	0.39	2.16	430	<1	31	12	24	<5
L39E 3 + 00S	104	<1	4	<0.2	8	20	0.16	0.17	2.18	548	<1	29	11	14	<5
L39E 3 + 50S	56	<1	4	<0.2	11	17	0.25	0.37	1.87	261	<1	28	9	23	<5
L39E 4 + 00S	48	<1	<2	0.4	10	14	0.42	0.14	2.20	74	<1	29	9	12	<5
L39E 4 + 50S	90	<1	6	<0.2	10	26	0.19	0.32	2.15	468	<1	30	12	20	<5
L39E 5 + 00S	133	<1	8	<0.2	16	38	0.30	0.54	2.55	308	<1	40	17	35	<5
L39E 5 + 50S	93	<1	4	<0.2	19	28	0.24	0.58	2.82	221	<1	42	15	36	<5
L39E 6 + 00S	114	<1	6	<0.2	13	24	0.23	0.39	2.25	610	<1	32	15	23	<5
L39E 6 + 50S	103	<1	8	<0.2	18	28	0.30	0.63	2.73	494	<1	43	17	36	<5
L39E 7 + 00S	141	<1	8	<0.2	21	30	0.39	0.30	2.53	356	<1	33	14	19	<5
L39E 7 + 50S	63	<1	4	<0.2	13	33	0.24	0.38	2.34	159	<1	34	13	27	<5
L39E 8 + 00S	38	<1	<2	<0.2	9	15	0.30	0.38	1.63	102	<1	24	8	21	<5
L39E 8 + 50S	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
L39E 9 + 00S	31	<1	2	<0.2	10	14	0.34	0.40	1.69	111	<1	26	9	22	<5
L39E 9 + 50S	130	<1	10	<0.2	20	37	0.24	0.31	2.57	695	<1	34	15	23	<5
L39E 10 + 00S	60	<1	4	<0.2	14	28	0.22	0.35	2.13	133	<1	30	12	24	<5
L42E 10 + 00N	99	<1	<2	<0.2	23	15	0.26	1.59	8.48	2876	1	32	17	16	15
L42E 9 + 50N	75	<1	6	<0.2	13	29	0.24	0.26	3.37	241	<1	43	17	20	5
L42E 9 + 00N	170	<1	8	<0.2	60	70	0.92	0.97	5.82	1429	1	66	28	69	5
L42E 8 + 50N	63	<1	6	<0.2	24	21	0.15	0.39	2.59	190	<1	38	14	24	<5
L42E 8 + 00N	92	<1	12	<0.2	87	26	0.34	1.10	4.09	428	<1	75	30	31	5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L39E 6 + 50N	<5	<5	105	2.63	0.07	0.01	17	<20	<10	<10	13	<2	570	0.13	<10
L39E 6 + 00N	5	<5	60	1.32	0.08	0.01	13	<20	<10	<10	7	<2	200	0.08	<10
L39E 5 + 50N	<5	<5	95	2.63	0.09	0.01	13	<20	<10	<10	10	<2	380	0.13	<10
L39E 5 + 00N	<5	<5	110	4.76	0.10	0.01	18	<20	<10	<10	19	<2	1180	0.20	<10
L39E 4 + 50N	5	<5	60	1.85	0.10	0.01	11	<20	<10	<10	9	<2	490	0.11	<10
L39E 4 + 00N	5	<5	80	4.56	0.07	0.01	12	<20	<10	<10	16	2	1880	0.21	<10
L39E 3 + 50N	<5	<5	40	1.18	0.08	0.01	15	<20	<10	<10	7	<2	250	0.08	<10
L39E 3 + 00N	5	<5	90	2.23	0.07	<0.01	11	<20	<10	<10	9	<2	1760	0.14	<10
L39E 2 + 50N	<5	<5	85	3.40	0.06	0.01	11	<20	<10	<10	13	<2	1650	0.16	<10
L39E 2 + 00N	5	<5	75	1.64	0.12	0.01	14	<20	<10	<10	9	<2	400	0.11	<10
L39E 1 + 50N	<5	<5	480	2.45	0.10	0.01	13	<20	<10	<10	10	<2	490	0.12	<10
L39E 1 + 00N	5	<5	90	2.38	0.07	<0.01	9	<20	<10	<10	10	<2	730	0.10	<10
L39E 0 + 50N	<5	<5	110	3.31	0.05	0.01	9	<20	<10	<10	11	<2	1150	0.17	<10
L39E 0 + 00N BL	5	<5	45	1.34	0.04	<0.01	8	<20	<10	<10	6	<2	1400	0.07	<10
L39E 0 + 50S	5	<5	190	3.15	0.09	0.01	19	<20	<10	<10	7	<2	1920	0.10	<10
L39E 1 + 00S	5	<5	150	1.89	0.11	<0.01	16	<20	<10	<10	8	<2	1230	0.10	<10
L39E 1 + 50S	<5	<5	155	2.75	0.08	0.01	16	<20	<10	<10	12	<2	820	0.14	<10
L39E 2 + 00S	5	<5	220	1.95	0.16	<0.01	23	<20	<10	<10	10	<2	690	0.11	<10
L39E 2 + 50S	<5	<5	120	2.47	0.10	0.01	37	<20	<10	<10	10	<2	440	0.12	<10
L39E 3 + 00S	5	<5	105	2.92	0.06	0.01	14	<20	<10	<10	12	<2	1200	0.16	<10
L39E 3 + 50S	5	<5	85	1.78	0.12	<0.01	17	<20	<10	<10	8	<2	570	0.09	<10
L39E 4 + 00S	5	<5	70	5.08	0.03	0.01	26	<20	<10	<10	13	<2	1610	0.17	<10
L39E 4 + 50S	5	<5	150	2.48	0.09	0.01	14	<20	<10	<10	9	<2	1040	0.13	<10
L39E 5 + 00S	5	<5	170	2.70	0.11	0.01	17	<20	<10	10	13	<2	910	0.14	<10
L39E 5 + 50S	5	<5	140	2.87	0.15	0.01	15	<20	<10	10	14	<2	1330	0.14	<10
L39E 6 + 00S	5	<5	155	2.99	0.11	0.01	15	<20	<10	10	16	<2	1210	0.15	<10
L39E 6 + 50S	10	<5	180	2.50	0.26	0.01	20	<20	<10	10	14	<2	770	0.14	<10
L39E 7 + 00S	5	<5	125	3.14	0.08	0.01	25	<20	<10	10	15	<2	1440	0.14	<10
L39E 7 + 50S	5	<5	135	2.47	0.11	0.01	16	<20	<10	10	16	<2	680	0.15	<10
L39E 8 + 00S	5	<5	95	1.49	0.07	<0.01	22	<20	<10	10	10	<2	110	0.09	<10
L39E 8 + 50S	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s	n/s
L39E 9 + 00S	<5	<5	90	1.55	0.08	0.01	25	<20	<10	10	11	<2	100	0.10	<10
L39E 9 + 50S	10	<5	160	4.22	0.10	0.01	18	<20	<10	10	16	2	3570	0.17	<10
L39E 10 + 00S	5	<5	115	2.12	0.06	0.01	15	<20	<10	10	13	<2	280	0.11	<10
L42E 10 + 00N	15	5	135	6.10	0.03	0.01	14	<20	<10	30	28	4	1860	0.21	<10
L42E 9 + 50N	5	<5	145	5.39	0.09	0.01	15	<20	<10	10	18	<2	2570	0.23	<10
L42E 9 + 00N	5	<5	430	7.68	0.48	0.01	43	<20	<10	40	39	2	540	0.21	<10
L42E 8 + 50N	5	<5	130	3.41	0.09	0.01	15	<20	<10	10	13	<2	330	0.16	<10
L42E 8 + 00N	5	5	155	4.65	0.16	0.01	18	<20	<10	10	26	<2	1060	0.33	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
L42E 7 + 50N	220	<1	14	<0.2	29	40	0.30	0.46	3.45	486	<1	49	19	29	5
L42E 7 + 00N	125	<1	12	<0.2	5	12	0.24	0.10	2.27	363	<1	31	12	8	5
L42E 6 + 50N	43	<1	2	<0.2	15	16	0.25	0.42	1.81	129	<1	28	11	22	<5
L42E 6 + 00N	186	<1	6	<0.2	9	12	0.32	0.23	2.53	852	<1	29	15	17	5
L42E 5 + 50N	59	<1	8	<0.2	12	18	0.40	0.34	1.99	351	<1	26	11	21	<5
L42E 5 + 00N	135	<1	12	<0.2	52	68	0.76	0.89	4.99	1112	1	50	27	47	5
L42E 4 + 50N	95	<1	20	<0.2	12	16	0.54	0.43	2.01	1264	<1	27	14	22	<5
L42E 4 + 00N	365	2	20	0.4	10	16	0.15	0.07	2.02	253	<1	32	9	6	<5
L42E 3 + 50N	1398	2	16	<0.2	76	134	0.94	0.51	3.32	339	1	48	16	31	<5
L42E 3 + 00N	1255	4	8	<0.2	23	116	0.36	0.52	3.93	325	1	51	21	36	10
L42E 2 + 50N	142	<1	12	<0.2	9	12	0.09	0.10	2.66	175	1	38	11	11	5
L42E 2 + 00N	157	<1	22	<0.2	8	11	0.22	0.20	3.07	302	<1	48	12	18	5
L42E 1 + 50N	119	<1	10	<0.2	9	21	0.56	0.17	2.72	764	<1	26	15	11	5
L42E 1 + 00N	186	<1	14	<0.2	5	11	0.12	0.16	2.38	201	<1	36	10	13	5
L42E 0 + 50N	122	<1	32	0.2	39	67	0.70	0.49	2.89	1518	1	31	13	33	<5
L42E 0 + 00S BL	170	<1	16	<0.2	21	32	0.57	0.30	3.75	552	1	38	23	23	5
L42E 0 + 50S	148	<1	4	<0.2	11	18	0.35	0.37	2.99	422	<1	37	15	18	5
L42E 1 + 00S	62	<1	6	0.6	35	19	0.23	0.17	3.01	195	<1	28	15	8	5
L42E 1 + 50S	141	<1	6	0.2	19	58	0.36	0.14	2.93	207	<1	35	20	18	<5
L42E 2 + 00S	234	1	2	0.2	10	18	0.40	0.12	2.57	165	1	34	11	6	5
L42E 2 + 50S	121	<1	2	<0.2	27	48	1.02	0.51	3.65	184	<1	38	28	33	<5
L42E 3 + 00S	119	1	12	0.6	39	82	0.55	0.31	3.05	138	1	33	14	22	5
L42E 3 + 50S	73	<1	8	0.6	62	68	0.58	0.13	2.95	272	<1	34	13	18	<5
L42E 4 + 00S	184	<1	6	0.2	12	22	0.18	0.14	2.76	571	<1	36	17	9	5
L42E 4 + 50S	56	<1	6	<0.2	13	39	0.13	0.12	2.68	156	<1	35	13	13	5
L42E 5 + 00S	158	<1	6	<0.2	65	453	0.48	0.55	3.46	223	<1	43	19	55	<5
L42E 5 + 50S	167	1	8	<0.2	12	52	0.35	0.28	2.90	219	<1	38	16	32	5
L42E 6 + 00S	197	1	6	0.2	26	39	0.31	0.32	3.07	476	<1	39	20	27	5
L42E 6 + 50S	103	<1	8	0.4	15	58	0.29	0.14	2.73	202	<1	32	16	27	5
L42E 7 + 00S	159	<1	12	<0.2	58	41	0.38	0.36	3.33	285	<1	59	24	26	5
L42E 7 + 50S	118	<1	8	0.2	24	35	0.25	0.14	3.09	267	<1	36	17	14	5
L42E 8 + 00S	256	<1	12	<0.2	24	69	0.49	0.35	3.82	406	<1	43	29	19	5
L42E 8 + 50S	134	<1	2	<0.2	46	65	0.47	1.54	4.34	335	<1	98	29	83	5
L42E 9 + 00S	279	<1	14	0.2	36	46	0.45	0.54	4.57	904	<1	57	36	38	5
L42E 9 + 50S	137	<1	10	<0.2	18	15	0.51	0.64	4.29	597	<1	78	15	55	5
L42E 10 + 00S	102	<1	12	<0.2	20	37	0.30	0.25	3.55	212	<1	42	18	27	5

Project 319

Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
L42E 7 + 50N	10	<5	195	5.21	0.17	0.01	18	<20	<10	10	20	2	1380	0.23	<10
L42E 7 + 00N	5	<5	100	4.04	0.06	0.01	17	<20	<10	<10	18	<2	1600	0.22	<10
L42E 6 + 50N	5	<5	70	1.79	0.10	0.01	16	<20	<10	10	11	<2	240	0.10	<10
L42E 6 + 00N	5	<5	135	3.89	0.09	0.01	16	<20	<10	<10	15	<2	5060	0.18	<10
L42E 5 + 50N	<5	<5	80	2.35	0.10	0.01	18	<20	<10	10	13	<2	330	0.12	<10
L42E 5 + 00N	5	5	255	7.34	0.30	0.01	41	<20	<10	40	41	2	860	0.22	<10
L42E 4 + 50N	10	<5	125	2.00	0.13	<0.01	26	<20	<10	10	15	<2	770	0.12	<10
L42E 4 + 00N	5	<5	170	4.90	0.02	0.01	10	<20	<10	<10	16	2	1760	0.19	<10
L42E 3 + 50N	5	<5	925	4.92	0.18	0.02	36	<20	<10	30	33	2	530	0.18	<10
L42E 3 + 00N	10	5	350	5.17	0.12	0.01	16	<20	<10	10	22	2	3100	0.26	<10
L42E 2 + 50N	25	<5	110	5.66	0.02	0.01	7	<20	<10	<10	20	2	2110	0.24	<10
L42E 2 + 00N	10	5	80	3.27	0.06	0.01	14	<20	<10	<10	20	<2	1660	0.25	<10
L42E 1 + 50N	10	5	105	6.00	0.05	0.02	65	<20	<10	<10	16	2	2600	0.17	<10
L42E 1 + 00N	10	<5	95	3.12	0.04	0.01	9	<20	<10	<10	16	<2	1460	0.19	<10
L42E 0 + 50N	15	<5	65	2.32	0.07	<0.01	32	<20	<10	20	16	<2	830	0.04	<10
L42E 0 + 00S BL	<5	<5	95	5.34	0.08	0.03	78	<20	<10	10	15	2	1840	0.16	<10
L42E 0 + 50S	<5	<5	140	4.78	0.08	0.01	30	<20	<10	<10	18	<2	2260	0.21	<10
L42E 1 + 00S	<5	<5	75	8.65	0.04	0.01	27	<20	<10	20	45	2	1220	0.29	<10
L42E 1 + 50S	<5	<5	105	5.51	0.04	0.01	23	<20	<10	<10	22	<2	1480	0.24	<10
L42E 2 + 00S	<5	<5	105	7.62	0.05	0.01	27	<20	<10	<10	22	2	3410	0.26	<10
L42E 2 + 50S	<5	<5	80	4.43	0.17	0.06	80	<20	<10	<10	16	2	1270	0.18	<10
L42E 3 + 00S	<5	<5	100	7.47	0.08	0.01	34	<20	<10	50	64	2	1160	0.27	<10
L42E 3 + 50S	<5	<5	100	6.16	0.06	0.01	29	<20	<10	10	31	<2	2270	0.24	<10
L42E 4 + 00S	<5	5	125	5.72	0.07	0.01	17	<20	<10	<10	22	<2	2950	0.27	<10
L42E 4 + 50S	<5	<5	90	7.07	0.03	0.01	13	<20	<10	<10	24	<2	3240	0.28	<10
L42E 5 + 00S	<5	<5	275	5.91	0.13	0.01	33	<20	<10	10	21	<2	790	0.21	<10
L42E 5 + 50S	<5	<5	130	4.12	0.05	0.01	22	<20	<10	<10	21	<2	3710	0.22	<10
L42E 6 + 00S	<5	5	165	4.71	0.08	0.01	21	<20	<10	10	23	2	2670	0.26	<10
L42E 6 + 50S	<5	<5	130	6.52	0.08	0.01	21	<20	<10	10	27	2	2110	0.28	<10
L42E 7 + 00S	<5	<5	135	5.95	0.13	0.01	33	<20	<10	<10	26	2	2260	0.32	<10
L42E 7 + 50S	<5	<5	110	5.25	0.06	0.01	17	<20	<10	10	21	<2	1310	0.24	<10
L42E 8 + 00S	<5	<5	160	4.70	0.17	0.01	27	<20	<10	10	21	2	1880	0.26	<10
L42E 8 + 50S	<5	5	120	3.87	0.21	0.02	24	<20	<10	10	27	<2	630	0.33	<10
L42E 9 + 00S	<5	<5	140	3.30	0.09	0.02	44	<20	<10	10	14	<2	1550	0.18	<10
L42E 9 + 50S	<5	5	105	3.91	0.08	0.04	45	<20	<10	10	18	2	1550	0.24	<10
L42E 10 + 00S	<5	<5	125	5.79	0.06	0.01	18	<20	<10	10	21	<2	4240	0.25	<10

Date of Report: 22-Jul-92 Project 319 ARROW

Soil Sampling Results
1992

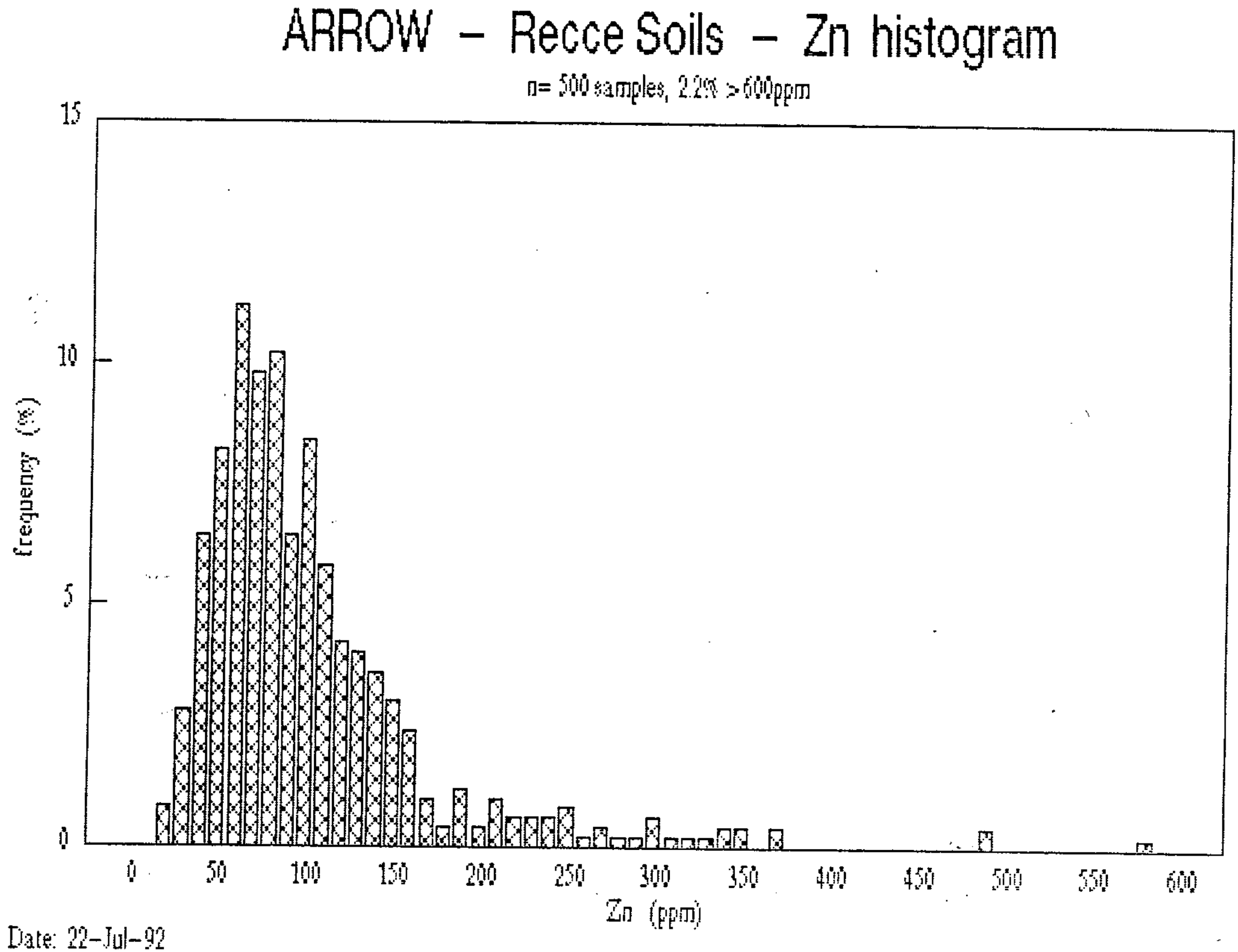
Reference: 92etk-305, 92etk-310

Sample ID	Zn ppm	Cd ppm	Pb ppm	Ag ppm	Cu ppm	Ni ppm	Ca %	Mg %	Fe %	Mn ppm	Mo ppm	V ppm	Co ppm	Cr ppm	Bi ppm
STATS:															
n=	500														
Max :	1398	17	1022	0.6	87	453	2.35	2.46	13.29	2907	15	295	88	478	15
Min :	12	<1	<2	<0.2	3	5	0.04	0.07	0.72	46	<1	10	4	5	<5
25% ile :	58	<1	4	<0.2	9	12	0.12	0.23	2.01	137	<1	28	10	15	<5
50% ile :	81	<1	6	<0.2	13	16	0.17	0.33	2.44	218	<1	34	13	21	<5
75% ile :	121	<1	10	<0.2	18	24	0.29	0.43	2.96	361	<1	43	16	27	<5
95 % ile:	291	1	18	0.2	36	58	0.61	0.84	4.14	927	1	64	26	48	5
Check Analysis:															
L 0E 1 + 00N	73	<1	12	<0.2	22	12	0.32	1.28	7.50	176	1	161	24	84	10
L 3E 2 + 00N	78	<1	10	<0.2	16	9	0.07	0.32	2.89	367	<1	38	16	22	<5
L 6E 1 + 50S	[redacted]	<1	16	<0.2	18	18	0.17	0.32	3.48	305	1	57	14	17	<5
L 9E 6 + 00S	99	<1	6	<0.2	8	16	0.09	0.35	2.31	242	<1	34	12	21	<5
L12E 8 + 50S	95	<1	6	<0.2	9	11	0.13	0.34	2.32	288	<1	39	11	21	5
L24E 2 + 00N	56	<1	8	<0.2	13	21	0.28	0.38	2.07	157	<1	28	12	21	<5
L27E 4 + 50N	77	1	4	<0.2	13	26	0.15	0.34	2.11	337	<1	31	16	27	<5
L27E 8 + 00S	67	<1	6	<0.2	13	14	0.13	0.25	2.23	257	<1	34	11	19	5
L33E 2 + 50S	84	1	12	<0.2	13	19	0.45	0.28	2.93	282	<1	32	15	17	5
L36E 4 + 00N	40	<1	<2	<0.2	8	13	0.21	0.32	1.56	129	<1	24	10	17	<5
L39E 1 + 50S	91	<1	2	<0.2	9	19	0.19	0.35	2.02	186	<1	28	11	18	<5
L42E 3 + 00S	117	1	14	0.6	38	80	0.52	0.31	2.95	133	<1	33	13	21	<5
L42E 3 + 50S	78	1	10	0.8	66	72	0.60	0.13	3.10	284	1	36	15	19	5
Standard:															
STANDARD 1991	72	<1	12	1.2	84	23	1.90	1.01	4.02	697	<1	78	20	63	<5
STANDARD 1991	65	<1	12	1.0	75	22	1.77	0.93	3.72	642	<1	73	19	60	<5
STANDARD 1991	62	<1	12	1.0	74	22	1.72	0.94	3.77	637	<1	75	19	61	<5
STANDARD 1991	65	<1	10	1.0	80	23	1.81	0.95	3.88	673	<1	78	20	64	<5
STANDARD 1991	70	<1	10	1.2	85	24	1.93	1.09	4.22	730	<1	80	21	66	<5
STANDARD 1991	62	1	8	1.0	75	22	1.76	0.95	3.85	654	<1	75	20	62	<5
STANDARD 1991	62	<1	10	1.0	75	22	1.78	0.97	3.87	663	<1	76	20	62	<5
STANDARD 1991	66	<1	10	1.2	82	23	1.86	1.00	3.90	683	<1	78	20	63	<5
STANDARD 1991	62	1	8	1.0	75	22	1.76	0.95	3.85	654	<1	75	20	62	<5

Project 319

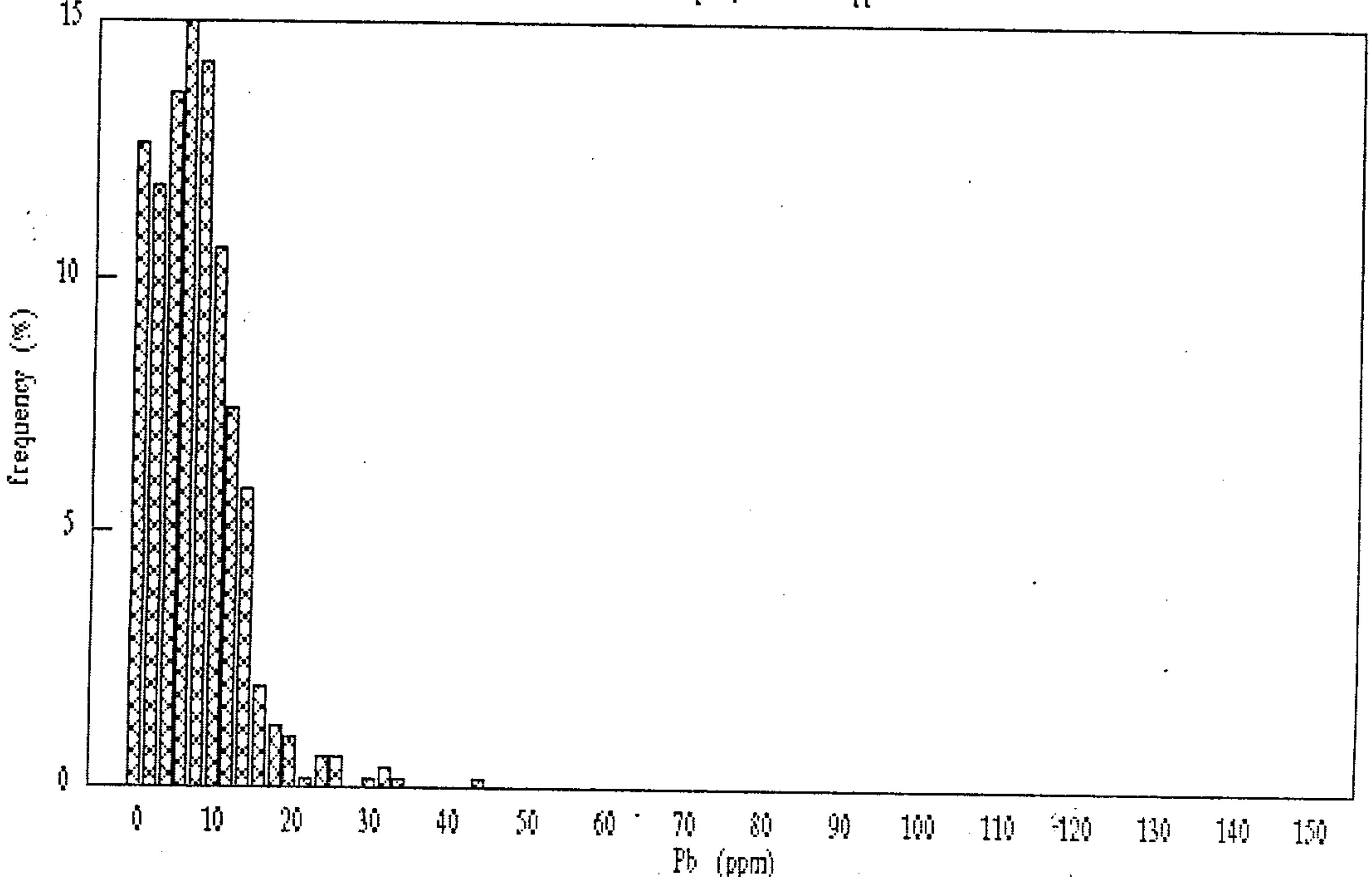
Soil Sampling Results (part 2)

Sample ID	As ppm	Sb ppm	Ba ppm	Al %	K %	Na %	Sr ppm	Sn ppm	W ppm	La ppm	Y ppm	B ppm	P ppm	Ti %	U ppm
STANDARD 1991	50	5	125	1.84	0.36	0.01	60	<20	<10	10	15	2	640	0.12	<10
STANDARD 1991	55	5	130	1.89	0.38	0.01	66	<20	<10	<10	14	8	650	0.12	<10
STANDARD 1991	60	5	130	1.88	0.36	0.01	63	<20	<10	10	15	2	650	0.12	<10
STANDARD 1991	55	5	120	1.84	0.36	0.01	58	<20	<10	<10	13	2	600	0.12	<10
STANDARD 1991	50	5	125	1.87	0.37	0.01	62	<20	<10	<10	14	8	640	0.11	<10
STANDARD 1991	60	5	115	1.79	0.35	0.01	58	<20	<10	<10	12	2	600	0.11	<10


ARROW - Recce Soils - Zn histogram
n= 500 samples, 2.2% >600ppm
15
10
5
0
frequency (%)
0
50
100
150
200
250
300
350
400
450
500
550
600
Zn (ppm)
Date: 22-Jul-92

ARROW – Recce Soils – Pb histogram

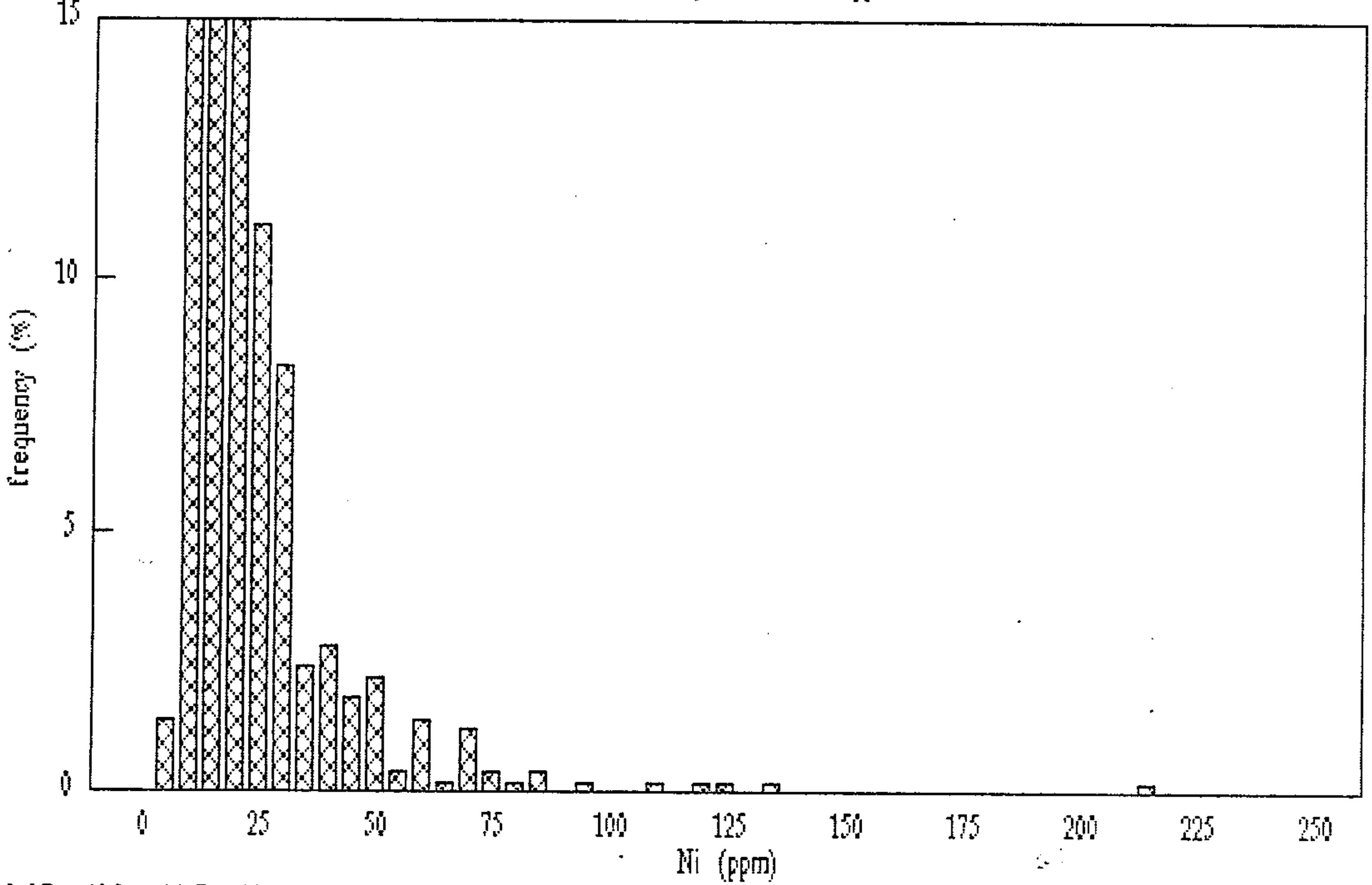
n= 500 samples, 0.6% >150ppm



4th Bar 16.8%
Date: 22-Jul-92

ARROW – Recce Soils – Ni histogram

n= 500 samples, 0.4% > 250ppm



3rd Bar 18.8%, 4th Bar 27.2%, 5th Bar 18.4%
Date: 22–Jul–92

APPENDIX IV

Analalytical Procedures

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

GEOCHEMICAL LABORATORY METHODS

SAMPLE PREPARATION (STANDARD)

1. Soil or Sediment: Samples are dried and then sieved through 80 mesh sieves.

2. Rock, Core: Samples dried (if necessary), crushed, riffled to pulp size and pulverized to approximately -140 mesh.

3. Humus/Vegetation: The dry sample is ashed at 550 C. for 5 hours.

METHODS OF ANALYSIS

All methods have either canmet certified or in-house standards carried through entire procedure to ensure validity of results.

1. MULTI ELEMENT ANALYSES

(a) ICP Packages (6,12,30 element).

Digestion	Finish
Hot Aqua Regin	ICP

(b) ICP - Total Digestion (24 element).

Digestion	Finish
Hot HClO4/HNO3/HF	ICP

(c) Atomic Absorption (Acid Soluble)
Ag*, Cd*, Cr, Co*, Cu, Fe, Pb*, Mn, Mo, Ni*, Zn.

Digestion	Finish
Hot Aqua Regia	Atomic Absorption * = Background corrected

(d) Whole Rock Analyses.

Digestion	Finish
Lithium Metaborate fusion	ICP

2. Antimony

Digestion	Finish
Hot aqua regia	ICP

3. Arsenic

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

4. Barium

Digestion	Finish
Lithium Metaborate	ICP

5. Beryllium

Digestion	Finish
Hot aqua regia	Atomic Absorption

6. Bismuth

Digestion	Finish
Hot aqua regia	Atomic Absorption (Background Corrected)

7. Chromium

Digestion	Finish
Sodium Peroxide Fusion	Atomic Absorption

8. Flourine

Digestion	Finish
Lithium Metaborate Fusion	Ion Selective Electrode

3/

ECO-TECH LABORATORIES LTD
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans-Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4[illegible]

9. Gallium

Digestion	Finish
Hot HClO4/HNO3/HF	Atomic Absorption

10. Germanium

Digestion	Finish
Hot HClO4/HNO3/HF	Atomic Absorption

11. Mercury

Digestion	Finish
Hot aqua regia	Cold vapor generation - A.A.S.

12. Phosphorus

Digestion	Finish
Lithium Metaborate Fusion	ICP finish

13. Selenium

Digestion	Finish
Hot aqua regia	Hydride generation - A.A.S.

14. Tellurium

Digestion	Finish
Hot aqua regia Potassium Bisulphate Fusion	Hydride generation - A.A.S. Colorimetric or I.C.P.

APPENDIX V

Trench Diagrams & Rock Chip Descriptions

TRENCH #1

SAMPLE no.	INTERVAL meters	GEOLOGICAL DESCRIPTION
41701	12.0-13.4	50% Quartzite, 50% Bio. Schist w/1% po dissem.
702	13.4-13.9	Massive Quartzite
703	13.9-15.2	Graphitic Bio. Schist w/ 30% Quartzite & 2% po. dissem
704	15.2-20.1	Quartzite w/ 5% graphite
705	21.1-23.2	Amphibolite w/ garnets & tr.-1% po.
706	24.5-28.5	Mixed amphibolite & quartzite (graphitic) w/ tr. po.
707	29.5-32.7	80% graphitic quartzite & 20% amphibolite beds
708	32.7-37.6	Amphibolite w/ lam calcsilicates & quartzite
708A	Float	Oxidized massive sulphides po,py and sp .
709	40.7-43.4	Laminated amphibolite and calcsilicates
710	43.4-46.8	Biotite & Sillim. schist w/ 1-2% dissem. po.
711	48.6-50.0	Amphibolite & calcsilicates w/ 1% po
712	50.0-55.0	Laminated quartzite w/ 10% amphibolite lam
713	55.0-59.3	Laminated amphibolite, quartzite and calcsilicates
714	59.3-63.9	as #713
715	63.9-65.8	as #713
716	65.8-68.4	Laminated amphibolite & quartzite
717	68.4-71.8	as #716
718	71.8-73.2	80% quartzite w/ 20% amphibolite
719	73.8-77.4	as #718

TRENCH #2 ROCK DESCRIPTIONS

SAMPLE no.	INTERVAL meters	GEOLOGICAL DESCRIPTION
41720	0.5-1.8	banded amphibolite & calcsilicate
721	3.3-6.3	lam. quartzite & calcsilicates
722	6.3-8.6	amphibolites & calcsilicates w/ 3% dissem po
723	8.6-10.6	quartzite
724	13.2-14.6	biotite schist w/ garnets
725	10.6-15.2	biotite schists & calcsilicates
726	15.2-15.6	calcsilicates
727	15.6-24.6	Massive amphibolite w/ 1% po dissem
728	25.0-31.3	as #727
729	31.6-33.4	laminated quartzite
730	33.4-34.8	amphibolites & calcsilicates w/ tr po dissem
731	34.8-36.0	gossanous weathered calcsilicates
732	36.0-39.9	biotite- garnet schist w/ 10% quartzite
733	39.9-46.5	Amphibolite & calcsilicates w/ 10% quartzite beds
734	46.5-50.0	biotite-garnet schist w/ 40% quartzites
735	52.0-56.9	as #734 w/ only 20% quartzites
736	56.9-60.1	as #734 w/ 10% amphibolite lam
737	121.0-125.0	as #734 w/ 20% amphibolite
738	125.0-127.4	50% amphibolite & 50% biotite-garnet schist
739	127.4-130.0	as #738 w/ 10% calcsilicates
740	130.0-135.0	banded amphibolite & calcsilicate
741	135.0-139.6	as #740
742	139.6-142.9	as #740
743	143.7-146.9	as #740 dominated by amphibolites
744	136.9-137.3	laminated quartzite
745	137.3-150.0	as #740

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION
no.	meters	
746	150.0-152.9	as #740
747	152.9-154.3	calcsilicates & biotite schist
748	154.3-155.5	banded amphibolite & calcsilicates
749	155.5-159.4	as #748 w/ tr dissem po
750	159.4-161.9	Quartzite
751	161.9-163.1	calcsilicates & quartzite
752	163.1-164.4	biotite-garnet schist
753	164.4-168.6	amphibolites w/ 20% laminated calcsilicates w/ 1% dissem. po
754	170.1-175.0	amphibolite w/ 1% dissem po
755	175.0-178.9	amphibolite w/ 30% biotite-garnet schist

TRENCH 3A ROCK DESCRIPTION

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
41827	47.7-44.1	Graphitic quartzite w/2% py minor muscovite & biotite	(2084)	(210)	.4
828	44.1-42.8	Massive -Semi-massive Po w/ sp zones to 35% .	2.23%	.27%	3.2
829	42.8-41.3	White-grey quartzite w/ 2-3% dissem py & po	0.73%	.18%	1.6
830	41.3-39.3	Grey graphitic quartzite w/2-3% py and tr-1% sp dissem.	2.32%	.34%	3.2
831	39.3-37.8	Massive- Semi-Mass. Po w/ 20% quartzite ,sp 1-10% CGr	3.86%	.29%	3.0
832	37.8-36.3	Graphitic quartzite w/ 10-20 cm pods of massive po,sp	0.80%	.08%	0.9
833	36.3-32.0	Massive sulphides in quartzite w/ 40% po, 10% py & 5% sp w/ trace ga .	4.50%	.07%	1.6
834	32.0-28.9	Graphitic quartzite w/tr dissem py	1.31%	.03%	0.8
835	9.1-11.5	White-grey graphitic quartzite	(3419)	(330)	0.6
836	11.5-13.8	Semi-Mass. to massive po in quartzite w/ up to 10% sp pods and minor py dissem.	3.58%	.13%	2.9
837	16.2-18.9	Weathered semi-massive po w/5-15% pods of sp & py in graphitic quartzite	2.91%	.45%	4.9
838	18.9-21.0	Semi-massive sulphides po w/ 5% sp and 2-3% py	3.34%	.18%	2.3
839	21.0-24.9	Graphitic quartzite w/ 5-10% sp & tr. ga	2.02%	.03%	1.0
840	28.9-26.6	Biotite rich quartzite w/ 5-10% dissem sp ,tr ga	(>1%)	(224)	0.8

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
841	26.6-29.0	Massive sulphides 65% po , 5-10% sp and 5% py in quartzite	3.53%	.16%	3.2

TRENCH 3C

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
41819	10.0-4.6	Grey lam. quartzite w/ dissem py & sp	0.96%	.05%	1.8
820	4.6- 4.0	50% quartzite & 50% massive sulphides w/ dissem py & sp	1.32%	.17%	3.2
821	4.0- 3.0	Calcsilicate rich quartzite w/ 5% py dissem & tr. py	1.10%	.46%	3.9
822	2.0 m's	50% massive po w/ 5% py,sp & 50% calcsilicate rich quartzite w/ tr sp	2.11%	.06%	2.6
823	5.0 m's	Graphitic & biotite rich quartzite w/ 2% py, sp	(1783)	(266)	0.8
824	2.0 m's	60% weathered massive po w/5% py, sp & 40% quartzite	0.74%	.02%	1.7
825	6.4 m's near strike	70% massive po w/ 6% py,sp & 30% diopside rich quartzite	2.22%	.13%	4.3
826	3.5 m's near strike	90% massive po w/ 5% py,sp & 10% quartzite w/ py, po, sp dissem.	2.06%	.02%	2.7%

TRENCH 3F ROCK DESCRIPTIONS

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
41806	2.5 m's	50% biotite lam. quartzite & 50% quartzite w/ 5% py stringers	(1783)	(2842)	12.2
807	4.0 m's panel	60% weathered quartzite w/ py stringers & 40% massive po w/ 8% py, sp	(3928)	(968)	3.0
808	4.6 m's panel	60% massive po w/ 10% py, sp & 40% quartzite w/ 10-15% py stringers	0.69%	.09%	3.1
809	2.5 m's panel	massive po w/ 20% diopside rich quartzite and 10% py, sp	1.10%	.69%	7.3
810	2.5 m's	diopside rich quartzite w/ 15% py and sp dissem	1.20%	.24%	4.9
811	4.6 m's	diopside rich quartzite w/ 15% py & 2-3% sp dissem.	3.22%	.67%	24.5
812	1.0 m's	diopside rich quartzite w/ 10% py & 5% sp dissem.	1.97%	.11%	5.3
813	3.5 m's panel	30% diopside rich quartzite 70% massive po w/ 5% py,sp	>1%	(722)	5.2
814	4.2 m's	Graphitic quartzite w/ 2% dissem py	(3373)	(2212)	1.2
815	.8 m's	Weathered ferrocrete cap in diopside rich quartzite	(1742)	(616)	1.4
816	3.5 m's	Graphitic & biotite quartzite w/ 2% dissem py	(258)	(44)	0.6
817	2.0 m's	Biotite-sillimanite schist w/ garnets (Hangingwall)	(215)	(8)	<.2
818	4.6 m's panel	50% diopside rich quartzite & 50% massive po w/ 10% py, sp	1.95%	.23%	5.6

TRENCH 5C ROCK DESCRIPTIONS

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
41763	27.1-27.6	Amphibolite w/ bio-sill. schist	(1706)	(340)	.2
764	29.2-31.3	as above w/ occasional quartzite lamination	(859)	(54)	<.2
765	32.3-34.0	Lam. grey quartzite w/ minor graphite & up to 10% py, po, sp as dissem	3.24%	.11%	4.8
766	34.0-35.0	as #765	2.34%	.16%	3.6
767	35.0-36.0	as #765	1.58%	.02%	1.3
768	36.0-37.0	as #765	1.09%	.03%	0.8
769	37.0-38.0	as #765	1.74%	.02%	1.1
770	38.0-39.0	quartzite as #765 w/ lenses of massive sp w/ py	6.79%	.16%	7.6
771	39.0-40.0	diopside rich quartzite w/ 15-20% po, py , sp	0.54%	.08%	2.1
772	40.0-41.0	diopside rich quartzite & marble w/ 15-20% sp pods w/ minor po, py	3.42%	.19%	1.7
773	41.0-42.0	diopside quartzite w/ pods of semi-massive sp w/ py	1.78%	.30%	2.3
774	1.5 m's	diopside rich quartzite w/ 5-15% po, py & 5-10% sp w/ ga	1.03%	.58%	2.6
775	1.0 m	diopside rich quartzite w/ 15% po, py & tr. sp	1.38%	.08%	1.6
776	42.0-43.6	diopside rich quartzite w/1-5% py, po and laminated biotite schist	0.09%	.02%	0.2
777	43.6-44.9	50% diopside quartzite w/ pods of mass. sp 50% mixed pegmatite & quartzite	0.77%	.04%	0.6

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
778	44.9-47.9	50% quartzite w/ 2% py, po, sp and 50% biotite schist	(7343)	(338)	0.4
779	47.9-50.0	Biotite shist strongly faulted w/ hematite on fractures	(3509)	(164)	0.2
780	50.0-50.7	diopside rich quartzite w/ 2% py, po	0.49%	.02%	0.5
781	50.7-52.1	Massive po w/ 5% fgr sp	3.32%	.17%	5.9
782	52.1-54.3	Quartzite w/ graphite & sericite 2% po, py	0.18%	.03%	0.4
783	54.3-54.6	diopside rich quartzite w/ 35% ga minor py, sp	1.00%	.32%	3.0
784	54.6-55.3	Semi-massive sp > po w/ minor py	7.72%	.10%	3.6
785	55.3-56.8	massive fgr po w/ py & sp blebs	4.66%	.09%	3.2
786	2.1 m's	as #785	4.91%	.10%	4.5
787	1.2 m's	diopside rich quartzite w/ up to 40% sp & py	1.48%	.35%	3.2
788	1.4 m's	as #787 w/ up to 30% sp & py	0.54%	.03%	0.4
789	56.8-58.6	60% diopside quartzite w/ 5% po,py,sp & 40% biotite schist	0.14%	.02%	0.3
790	58.6-62.0	diopside quartzite w/ 5% py,po,sp	(175)	(28)	<.2
791	62.0-64.3	50% bio-sill schist 50% diopside quartzite w/ 5% py,po,sp	(97)	(16)	<.2
792	64.3-65.6	bio-sillimanite schist	(106)	(10)	<.2
793	68.8-71.0	mixed 50% quartzite 50% bio-sill schist	(70)	(8)	<.2
794	71.3- 74.3	90% bio-sill schist 10% diopside quartzite	(96)	(6)	<.2

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
795	74.3-75.3	biotite-sillimanite schist	(73)	(4)	<.2
796	75.3-76.8	diopside rich quartzite w/ 5% po	(41)	(8)	<.2
797	76.8-78.0	diopside quartzite	(69)	(16)	<.2
798	78.0-79.6	as #797 w/ 5% po w/ tr sp	(35)	(8)	<.2
799	79.6-85.0	50% bio-sill schist & 50% bio lam quartzite	(23)	(4)	<.2
800	85.0-87.7	as #799	(46)	(10)	<.2
801	87.7-89.9	bio-sill schist w/ almandine garnets	(56)	(4)	<.2
802	.89.9-91.7	intercalated quartzite & bio-sill schist	(53)	(6)	<.2
803	91.7-96.2	as #802	(66)	(4)	<.2

TRENCH #7 ROCK DESCRIPTIONS

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
TR-7-1	0-6.0	Laminated quartzite w/ 20% graphite	(514)	(24)	1.4
TR-7-2	6.0-11.0	Laminated quartzite w/ 5-10% graphite and 3-4% dissem po	(2736)	(74)	0.4
TR-7-3	12.5-17.5	Quartzite w/ 40% graphite and 1% dissem py	(727)	(110)	1.0
TR-7-4	27.0-33.0	Quartzite w/ 40% flake graphite & 2-3% dissem py	(547)	(38)	0.6
TR-7-5	39.0-42.6	Graphitic quartzite w/ 30% graphite, 1% py & occas 5cm marble bed	(219)	(176)	0.6
TR-7-6	43.0-47.0	Graphitic quartzite 40% graphite, 2% py	(309)	(42)	0.4
TR-7-7	50.0-56.0	Graphitic oxidized quartzite w/ 30% graphite, 2% py	(143)	(18)	0.6
TR-7-8	56.0-62.0	Black graphitic quartzite w/ 50% graphite , tr py	(208)	(30)	0.8
TR-7-9	94.0-97.0	as #8 w/ occas. 1cm po vnlt	(391)	(158)	0.2
TR-7-10	97.0-105	carb. & silicd. quartzite w/ up to 15% dissem py	(90)	(28)	<.2
TR-7-11	111.-126.	Grey quartzite w/ 40% graphite & 3% dissem py	(136)	(6)	0.6
TR-7-12	126-133	Quartzite w/ 10% graphite & 2% py	(146)	(10)	0.2

TRENCH #8 ROCK DESCRIPTIONS

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
TR-8-1	132-124	Quartzite w/ 10-15% graphite	(866)	(56)	0.2
TR-8-2	124-121	Diopside rich quartzite w/35% py & chlorite altn.	1.22%	.02%	0.3
TR-8-3	121-115	Laminated quartzite w/ 15% graphite & 2-3% dissem py	(1011)	(78)	0.2
Tr-8-4	115-90	as #3 but w/ 40% graphite	(122)	(24)	<.2
TR-8-5	90-80	as #3 w/ 30% graphite & 2% po vnlts	(180)	(36)	<.2
TR-8-6	80-75	as #3 w/ 25% graphite	(154)	(68)	<.2
TR-8-7	75-70	Black graphitic argillite - Jurrasic?	(263)	(30)	<.2

TRENCH #11 ROCK DESCRIPTIONS

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
41870	4.7-5.5	Weathered massive po w/ dissem sp	(516)	(600)	2.6
871	5.5-9.6	Lam. quartzite w/ graphite & 2% po	(65)	(18)	<.2
872	12.7-16.7	Graphitic & diopside rich quartzite w/ 1% po	(50)	(34)	0.6
873	18.8-26.9	graphitic oxidized quartzite w/ 3% py,po	(132)	(38)	0.6
874	26.9-29.7	oxidized quartzite w/ 15% massive po pods	(677)	(76)	0.6
875	29.7-32.4	50% oxidized quartzite 50% massive po w/ 1-2% sp	0.71%	.01%	1.8
876	32.4-33.5	same as #875	1.15%	.01	1.6
877	33.5-35.0	oxidized graphitic quartzite w/ 2% py,po vnlts	(873)	(58)	0.4
878	35.0-37.6	same as #877	(113)	(32)	0.6
879	37.6-43.2	same as #877	(95)	(38)	0.4
880	44.6-48.5	same as #877 w/ some diopside rich quartzite			
881	48.5-54.7	as #880	(63)	(40)	0.6
882	54.7-65.1	as #880	0.88%	.04%	0.7
883	66.1-67.1	massive po w/ blebs of py,sp	(1471)	(24)	3.4
884	70.1-76.2	diopside rich quartzite w/ 2% py dissem	1.32%	.01%	0.9
885	76.2-79.3	as #884	0.87%	.15%	4.0
886	79.3-82.3	diopside quartzite w/ 20% pods of massive po w/ py,sp	1.42%	.13%	4.0

SAMPLE	INTERVAL	GEOLOGICAL DESCRIPTION	Zn %	Pb %	Ag
no.	meters		(ppm)	(ppm)	(ppm)
887	82.3-84.8	oxidized graphitic quartzite w/ 5% po, py	(2967)	(74)	0.2
888	84.8-94.5	as #887 w/ 25% massive po pods w/ 5% sp,py	(1732)	(32)	0.8
889	94.5-96.3	50% oxidized graphitic quartzite , 50% massive po w/ minor sp,py	(3437)	(290)	1.0
890	96.3-100.5	Graphitic quartzite w/ 3% py,po	0.92%	.07%	1.8
891	102.-109.2	Graphitic quartzite w/ 30% massive po w/ 5% py,sp	(1069)	(198)	0.4
892	109.2-113.5	90% graphitic quartzite w/ strong ferrocrete & 10% massive po tr sp	0.76%	.03%	0.8
893	113.5-115.6	40% quartzite 60% massive po w/ 5% dissem py.sp	1.74%	.01%	1.2
894	115.6-120.4	as #893 w/ 2-3% dissem sp	1.70%	.01%	1.1
895	120.4-122.6	weathered quartzite w/ 10% mass po pods	0.75%	.02%	1.2
896	122.6-126.0	quartzite w/ graphite and diopside & 15% massive po pods w/ minor py,sp	(1137)	(176)	0.8

APPENDIX VI

Rock Analyses & Assays

TRENCH #1

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

SEPTEMBER 8, 1992

TECK EXPLORATION LTD. ETK 92-616
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: FRED DALEY / GRAEME EVANS
PROJECT #:1719

50 ROCK SAMPLES RECEIVED AUGUST 24, 1992

VALUES IN PPM UNLESS OTHERWISE REPORTED

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 -	41701	-	3.4	1.65	15	<2	125	<5	.32	<1	19	100	41	4.29	.23	10	.56	545	5	<.01	52	500	150	<5	<20	15	.01	<10	47	<10	9	365
2 -	41702	-	<.2	.52	<5	<2	45	<5	1.38	<1	2	87	12	.90	.22	30	.10	405	6	<.01	27	340	28	<5	<20	33	<.01	<10	6	<10	5	54
3 -	41703	-	<.2	1.39	5	<2	75	<5	.46	<1	15	239	56	3.30	.13	10	1.10	486	11	<.01	54	1220	6	<5	<20	11	.02	<10	111	<10	11	92
4 -	41704	-	<.2	2.50	<5	2	120	<5	1.66	<1	11	103	19	1.72	.15	10	.08	235	4	.12	22	790	4	<5	<20	212	.10	<10	41	<10	12	57
5 -	41705	-	<.2	2.37	5	2	470	5	1.83	<1	22	46	16	5.29	1.16	10	1.30	702	4	.07	11	3950	4	<5	<20	56	.29	<10	16	<10	51	[illegible]
6 -	41706	-	<.2	2.94	<5	2	340	<5	2.60	<1	29	74	39	4.46	.07	10	1.14	497	2	.13	54	3330	4	5	<20	102	.25	<10	58	<10	20	[illegible]
7 -	41707	-	<.2	2.67	<5	2	175	<5	2.13	1	24	224	48	2.92	.41	<10	.85	246	12	.09	93	1000	<2	<5	<20	12[illegible]	.19	<10	200	<10	18	104
8 -	41708	-	<.2	2.53	<5	4	175	<5	2.13	<1	30	111	30	4.37	.53	<10	1.50	570	<1	.11	45	2330	4	5	<20	98	.24	<10	5	<10	23	77
9 -	41708A	-	3.2	1.11	90	<2	75	<5	2.33	49	40	50	347	>15	.10	10	1.26	153	7	<.01	62	6900	5463	<5	<25	58	.05	<10	126	<10	14	>10000
10 -	41709	-	.4	2.07	<5	4	160	5	2.36	1	30	154	37	5.96	.09	<10	2.04	305	1	.13	59	2540	14	5	<20	113	.30	<10	74	<10	29	443
11 -	41710	-	<.2	3.02	<5	4	190	<5	2.33	<1	31	153	25	4.23	.41	<10	1.41	429	2	.16	59	1100	32	<5	<20	116	.28	<10	74	<10	22	[illegible]
12 -	41711	-	<.2	2.20	<5	2	105	<5	2.00	<1	30	87	30	3.20	.15	<10	.88	303	1	.22	60	810	12	5	<20	125	.22	<10	58	<10	19	98
13 -	41712	-	<.2	1.23	<5	2	60	<5	.91	<1	7	82	9	1.43	.27	20	.32	132	1	.07	12	780	9	<5	<20	40	.13	<10	18	<10	14	36
14 -	41713	-	<.2	2.32	5	2	275	<5	.90	<1	29	160	117	4.35	.60	10	1.53	487	5	.04	40	1400	10	5	<20	25	.27	<10	130	<10	76	11[illegible]
15 -	41714	-	<.2	2.11	5	2	135	<5	1.77	<1	37	97	74	5.06	.33	<10	1.50	650	2	.08	36	1600	6	<5	<20	29	.32	<10	142	<10	26	89
16 -	41715	-	<.2	1.45	5	<2	95	<5	1.36	<1	26	85	32	3.21	.22	<10	1.15	352	1	.06	35	1390	4	5	<20	23	.30	<10	121	<10	24	51
17 -	41716	-	<.2	2.00	<5	2	115	<5	1.96	<1	26	163	24	2.79	.29	<10	1.35	337	<1	.18	65	1456	2	<5	<20	63	.26	<10	67	<10	21	58
18 -	41717	-	<.2	.80	20	6	75	<5	.65	<1	103	173	122	6.65	.17	<10	6.71	600	<1	.02	568	910	<2	5	<20	30	.09	<10	28	<10	6	87
19 -	41718	-	<.2	1.61	<5	2	130	<5	1.17	<1	20	111	38	2.72	.29	<10	.91	204	2	.07	39	990	4	<5	<20	51	.24	<10	66	<10	19	50
20 -	41719	-	<.2	3.62	<5	6	75	<5	3.43	<1	28	146	35	3.95	.20	<10	1.01	453	2	.20	74	2660	<2	5	<20	193	.20	<10	71	<10	20	45

Page 2 TECK EXPLORATIONS LTD. ETK 92-416 SEPTEMBER 8, 1992 ECO-TECH LABORATORIES LTD.

TRENCH #2

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
21 -	41720	-	<.2	3.35	<5	4	55	<5	2.82	<1	20	116	29	3.24	.42	<10	.87	201	2	.05	25	410	4	<5	<20	204	.20	<10	42	<10	21	57
22 -	41721	-	<.2	3.05	<5	6	40	<5	2.30	<1	11	89	5	1.99	.15	10	.47	258	2	.16	11	670	6	<5	<20	190	.11	<10	24	<10	13	35
23 -	41722	-	<.2	2.62	<5	6	120	<5	3.61	<1	21	57	19	3.24	.49	10	.77	377	1	.16	10	2600	4	<5	<20	143	.25	<10	39	<10	22	55
24 -	41723	-	<.2	.77	<5	<2	65	<5	.33	<1	4	85	6	1.71	.23	30	.32	123	3	.03	1	810	6	<5	<20	38	.07	<10	20	<10	11	51
25 -	41724	-	<.2	2.94	<5	2	320	5	2.47	<1	34	27	31	6.75	1.35	10	1.23	661	2	.07	10	3980	<2	5	<20	66	.39	<10	50	<10	31	63
26 -	41725	-	<.2	6.20	<5	6	90	<5	4.10	<1	22	101	23	3.65	.05	10	1.04	234	1	.08	28	390	<2	<5	<20	412	.23	<10	45	<10	19	53
27 -	41726	-	<.2	4.42	<5	10	55	<5	3.92	<1	17	93	14	3.75	.12	10	.34	595	3	.16	32	1950	20	<5	<20	450	.10	<10	43	<10	20	49
28 -	41727	-	<.2	.71	15	10	20	<5	.71	<1	53	207	43	5.25	<.01	<10	5.19	556	<1	<.01	303	990	<2	5	<20	21	.05	<10	13	<10	2	22
29 -	41728	-	<.2	.87	20	8	25	<5	.58	<1	70	319	65	5.90	<.01	<10	6.25	506	<1	<.01	443	990	<2	<5	<20	24	.04	<10	23	<10	2	31
30 -	41729	-	<.2	1.35	<5	2	95	<5	1.15	<1	12	92	21	1.61	.24	10	.65	231	3	.07	23	1170	6	<5	<20	73	.14	<10	12	<10	14	38
31 -	41730	-	<.2	5.30	<5	10	45	<5	4.57	<1	13	74	21	1.84	.23	10	.30	170	1	.25	21	520	4	<5	<20	455	.12	<10	26	<10	12	43
32 -	41731	-	<.2	5.80	<5	10	55	<5	4.59	1	17	84	17	3.39	.12	10	.28	763	2	.29	21	830	10	<5	<20	1010	.08	<10	28	<10	17	70
33 -	41732	-	<.2	3.75	<5	2	195	5	1.29	<1	33	129	16	4.35	1.61	10	1.19	357	1	.05	50	510	2	<5	<20	85	.39	<10	83	<10	30	72
34 -	41733	-	<.2	4.07	<5	6	105	<5	3.34	<1	15	97	30	2.20	.51	10	.62	240	2	.22	24	570	10	<5	<20	233	.15	<10	36	<10	15	115
35 -	41734	-	<.2	2.45	5	<2	180	<5	.28	<1	26	144	39	4.51	1.44	<10	1.23	445	4	.02	36	480	8	<5	<20	11	.35	<10	119	<10	23	125
36 -	41735	-	<.2	2.64	<5	2	100	<5	.89	<1	22	162	26	3.58	.76	10	.93	300	4	.03	37	250	8	<5	<20	40	.21	<10	55	<10	18	72
37 -	41736	-	<.2	2.69	<5	2	135	<5	5.41	<1	19	110	80	2.78	.44	<10	.66	382	4	.07	32	560	6	<5	<20	279	.14	<10	50	<10	15	59
38 -	41737	-	<.2	3.34	10	2	190	<5	1.90	<1	40	57	48	7.43	1.24	<10	1.48	550	2	.06	29	3710	2	5	<20	66	.36	<10	38	<10	35	97
39 -	41738	-	<.2	1.80	5	<2	340	<5	1.61	<1	22	52	14	4.60	.94	10	1.06	430	2	.05	7	3390	4	<5	<20	35	.32	<10	24	<10	33	63
40 -	41739	-	<.2	2.30	5	2	520	<5	2.34	<1	21	31	15	5.56	.78	20	1.45	827	50	.11	9	4660	6	<5	<20	64	.26	<10	14	<10	31	92
41 -	41740	-	<.2	4.10	<5	4	455	<5	2.98	<1	32	102	33	4.31	1.25	<10	1.21	391	1	.16	64	2480	<2	5	<20	237	.41	<10	51	<10	31	55
42 -	41741	-	<.2	2.93	<5	4	145	<5	2.86	<1	25	96	39	2.75	.25	<10	.68	261	3	.17	66	1590	4	<5	<20	176	.19	<10	54	<10	16	42
43 -	41742	-	<.2	2.42	<5	4	155	<5	2.23	<1	27	67	26	3.36	.48	<10	.81	440	<1	.14	48	1640	4	5	<20	94	.32	<10	45	<10	25	56
44 -	41743	-	<.2	1.63	5	4	95	<5	1.38	<1	38	331	34	3.73	.32	<10	3.64	435	1	.07	167	1810	<2	<5	<20	42	.16	<10	57	<10	14	44
45 -	41744	-	<.2	.59	<5	<2	30	<5	.71	<1	5	84	11	1.01	.16	<10	.38	117	1	.03	14	1460	6	<5	<20	19	.06	<10	15	<10	12	25

TRENCH #2

Page 3 TECK EXPLORATIONS LTD. ETK 92-416 SEPTEMBER 8, 1992 ECO-TECH LABORATORIES LTD.

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
46 -	41745	-	<.2	2.35	<5	4	125	<5	2.34	<1	25	81	32	3.22	.56	<10	.91	373	<1	.14	37	1730	4	5	<20	106	.31	<10	69	<10	24	49
47 -	41746	-	<.2	3.42	<5	6	145	<5	3.65	<1	26	151	45	2.76	.42	<10	1.02	401	1	.26	70	1380	2	<5	<20	193	.23	<10	53	<10	20	44
48 -	41747	-	<.2	1.96	5	2	120	<5	1.30	1	44	181	62	6.35	.29	<10	1.08	499	4	.13	102	330	22	<5	<20	37	.19	<10	56	<10	17	157
49 -	41748	-	<.2	3.16	<5	2	80	<5	2.89	<1	32	88	44	4.14	.35	<10	.52	261	3	.29	57	420	10	<5	<20	94	.18	<10	53	<10	15	72
50 -	41749	-	<.2	2.06	<5	2	85	<5	1.89	<1	30	160	62	4.48	.25	<10	1.04	312	4	.14	86	530	<2	<5	<20	60	.20	<10	64	<10	18	67
51 -	41750	-	<.2	.60	<5	<2	35	<5	.39	<1	3	104	6	.79	.12	20	.11	102	4	.04	7	470	4	<5	<20	24	.01	<10	5	<10	6	22
52 -	41751	-	<.2	5.10	<5	8	80	<5	5.39	1	23	95	54	2.47	.31	10	.39	351	2	.38	71	1010	6	<5	<20	240	.26	<10	49	<10	25	58
53 -	41752	-	<.2	.79	<5	<2	100	<5	.18	<1	6	89	13	1.33	.29	20	.46	162	3	.02	11	320	4	<5	<20	10	.09	<10	25	<10	10	33
54 -	41753	-	<.2	1.66	15	<2	345	<5	.97	<1	32	156	69	4.56	.70	<10	1.38	289	2	.05	59	1650	2	<5	<20	13	.32	<10	127	<10	28	55
55 -	41754	-	<.2	1.26	<5	2	70	<5	1.33	<1	22	126	36	2.49	.26	<10	1.09	261	<1	.06	43	1080	2	<5	<20	22	.25	<10	62	<10	20	32
56 -	41755	-	<.2	3.76	<5	6	140	<5	3.46	<1	27	149	67	3.17	.64	<10	1.15	343	<1	.21	70	1380	4	<5	<20	243	.30	<10	63	<10	25	53
57 -	27299	>2000	>30.	1.84	40	2	55	<5	.15	6	36	47	>10000	13.83	.03	10	.93	296	4	<.01	2	<10	64	<5	<20	4	.03	10	29	<10	<1	1052
58 -	27300	-	<.2	.70	<5	4	20	<5	>15	<1	2	10	128	1.64	.18	<10	4.40	1201	1	.08	<1	310	4	10	<20	508	.02	<10	1	<10	17	28

QC DATA
======

REPEAT #:

ET#	DESCRIPTION	AU(ppb)	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
18 -	41717	-	<.2	.75	20	6	75	<5	.60	<1	101	159	119	6.47	.17	<10	6.53	590	<1	.02	554	890	<2	5	<20	28	.08	<10	26	<10	6	84
54 -	41753	-	<.2	1.61	10	<2	335	<5	.95	<1	31	152	71	4.44	.69	<10	1.33	282	2	.04	58	1620	<2	<5	<20	13	.31	<10	123	<10	27	54
STANDARD 1991		-	1.2	1.89	60	2	130	<5	1.89	<1	21	67	83	4.05	.38	<10	1.04	701	<1	.01	28	690	12	5	<20	63	.13	<10	81	<10	15	72
STANDARD 1991		-	1.0	1.64	45	2	110	<5	1.63	<1	18	57	83	3.50	.33	<10	.87	601	<1	.01	20	590	8	5	<20	55	.11	<10	69	<10	13	57

NOTE: < = LESS THAN
> = GREATER THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

SC/TECK1719

PAGE 2 TECK EXPLORATION ETK 92-442 ECO-TECH LABORATORIES LTD. SEPTEMBER 15, 1992

ET#		DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
21	-	41026	2.6	1.70	95	<2	105	5	1.43	63	36	43	256	>15	.07	20	1.30	474	17	.01	44	7330	98	<5	<20	25	.10	40	300	<10	11	>10000
22	-	TR-7-1	1.4	2.05	<5	2	45	<5	2.92	3	9	137	124	2.19	.03	10	.11	97	20	.02	66	6590	24	<5	<20	40	.05	<10	396	<10	19	514
23	-	TR-7-2	.4	.77	10	<2	35	<5	1.37	7	8	136	46	4.11	.15	<10	.50	112	25	.02	36	2580	74	<5	<20	15	.06	<10	207	<10	13	2736
24	-	TR-7-3	1.0	1.64	5	2	135	<5	1.26	3	7	120	61	1.03	.29	10	.47	98	15	.04	37	2390	110	<5	<20	29	.05	<10	350	<10	10	727
25	-	TR-7-4	.6	2.81	<5	2	45	<5	5.26	3	10	192	109	2.98	.52	30	1.14	180	14	.07	64	10000	38	<5	<20	87	.06	<10	468	<10	23	547
26	-	TR-7-5	.6	1.43	<5	4	4270	<5	1.97	1	10	172	57	1.52	.42	10	.36	84	17	.02	31	6210	176	<5	<20	60	.05	<10	235	<10	18	219
27	-	TR-7-6	.4	2.10	5	4	55	<5	1.23	1	8	225	50	2.21	.26	10	.65	102	22	.03	56	1000	42	<5	<20	31	.07	<10	418	<10	13	309
28	-	TR-7-7	.6	1.44	<5	2	5015	<5	4.30	1	13	79	83	2.05	.41	10	.69	196	10	.03	31	10000	18	5	<20	128	.03	<10	139	<10	16	143
29	-	TR-7-8	.8	1.70	5	<2	240	<5	1.00	<1	5	283	50	1.78	.13	10	.63	89	19	.02	48	890	30	<5	<20	25	.06	<10	459	<10	12	208

QC DATA

REPEAT #:

			AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
16	-	41021	3.6	1.42	50	<2	65	5	2.69	27	15	55	126	14.00	.49	30	1.98	140	7	.01	23	9500	3080	<5	<20	55	.06	10	228	<10	29	9809
STANDARD 1991			1.2	2.14	65	2	145	<5	2.13	<1	23	76	90	4.60	.41	<10	1.11	775	<1	.03	26	770	22	5	<20	73	.15	<10	92	<10	18	93

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

SC/TECK1719

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

SEPTEMBER 22, 1992

TECK EXPLORATION LTD. ETK 92-464
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS
PROJECT hi1719

VALUES IN PPM UNLESS OTHERWISE REPORTED

81 ROCK SAMPLES RECEIVED SEPTEMBER 8, 1992

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1 -	TR-4-6	10.2	1.02	<5	<2	70	20	3.96	74	23	55	119	>15	.20	20	1.04	352	20	<.01	35	>10000	>10000	<5	<20	87	.04	30	157	200	35	>10000
2 -	TR-7-9	.2	.90	10	<2	60	<5	3.86	2	7	325	149	2.18	.14	10	.06	89	29	<.01	44	>10000	158	<5	<20	65	.05	<10	619	<10	20	391
3 -	TR-7-10	<.2	2.62	<5	2	60	<5	2.41	<1	7	136	115	2.81	.53	<10	.55	96	16	.01	23	8900	28	<5	<20	37	.03	<10	122	<10	21	90
4 -	TR-7-11	.6	2.70	10	2	90	<5	1.64	<1	12	378	73	3.00	.11	10	1.09	166	22	.04	37	2160	6	<5	<20	67	.06	<10	238	<10	15	136
5 -	TR-7-12	.2	1.52	5	2	150	<5	.69	<1	13	115	51	3.38	.06	10	.58	134	9	.04	20	1010	10	<5	<20	36	.04	<10	47	<10	7	146
6 -	TR-8-1	.2	1.00	5	2	120	<5	1.14	14	6	258	41	1.90	.13	10	.40	101	20	.01	23	1440	56	<5	<20	17	.07	<10	196	<10	11	866
7 -	TR-8-2	.2	1.16	<5	<2	70	<5	1.65	22	13	74	187	>15	.16	10	.08	124	19	<.01	36	3790	84	<5	<20	16	.04	20	189	50	7	5374
8 -	TR-8-3	.2	.82	5	<2	75	<5	2.34	2	8	267	71	2.05	.16	10	.49	110	16	.04	29	7230	78	<5	<20	27	.05	<10	193	<10	16	1011
9 -	TR-8-4	<.2	.49	5	<2	2150	<5	1.09	<1	5	109	54	1.25	.11	10	.32	84	8	<.04	16	5500	24	<5	<20	39	.04	<10	156	<10	15	122
10 -	TR-8-5	<.2	.98	5	2	2285	<5	1.05	<1	6	263	32	1.27	.22	10	.47	89	13	.01	30	1950	36	<5	<20	38	.06	<10	286	<10	12	190
11 -	TR-8-6	<.2	1.52	<5	<2	>10000	<5	1.69	<1	16	161	29	1.26	.21	10	.46	118	10	<.01	30	4460	68	<5	<20	67	.05	<10	210	<10	13	154
12 -	TR-8-7	<.2	.39	5	<2	535	<5	.37	<1	5	226	15	1.32	.07	10	.18	143	9	<.01	33	1290	30	<5	<20	10	<.01	<10	59	<10	6	263
13 -	41827	.4	1.55	5	2	95	<5	.65	4	8	145	25	4.13	.45	10	.98	149	21	.02	24	890	210	<5	<20	18	.09	<10	280	<10	10	2084
14 -	41828	3.0	1.83	5	<2	85	10	2.65	28	12	54	77	>15	.65	30	1.85	316	8	.01	16	7510	2028	<5	<20	71	.07	10	112	100	18	>10000
15 -	41829	1.2	1.50	10	<2	80	5	.88	16	9	146	37	8.73	.37	10	.92	132	19	.02	19	3040	1440	<5	<20	28	.08	<10	227	20	11	5937
16 -	41830	3.2	1.59	5	<2	55	5	2.85	31	8	83	71	9.33	.50	20	1.45	276	9	.01	16	7940	2670	5	<20	42	.09	<10	163	80	20	>10000
17 -	41831	3.2	2.08	10	<2	65	5	2.76	53	9	51	82	11.99	.72	20	1.71	428	11	.04	18	7710	2270	<5	<20	80	.06	10	99	210	19	>10000
18 -	41832	1.0	1.99	5	<2	65	<5	1.12	15	11	157	37	7.13	.68	10	1.12	201	11	.04	14	1000	690	<5	<20	43	.14	<10	110	<10	13	7112
19 -	41833	1.7	1.19	5	<2	60	5	2.97	84	11	43	75	12.07	.25	20	.06	339	13	.02	20	8590	594	<5	<20	48	.04	<10	74	310	18	>10000
20 -	41834	.6	1.20	5	<2	40	<5	1.67	29	8	149	50	5.03	.41	<10	1.14	188	24	.01	36	3680	248	<5	<20	23	.07	<10	547	10	15	>10000

Page 2 TECK EXPLORATIONS LTD. ETK 92-464 SEPTEMBER 21, 1992 ECO-TECH LABORATORIES LTD.

TR#3A

TR#9

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
21 -	41835	.6	2.19	<5	2	80	<5	3.29	7	10	87	39	4.69	.61	10	1.73	224	19	.03	27	5070	330	<5	<20	284	.11	<10	314	<10	19	3419
22 -	41836	2.6	1.37	10	<2	70	5	3.28	71	14	55	88	13.77	.68	10	1.89	327	15	.01	30	8710	1058	<5	<20	17	.06	10	192	200	23	>10000
23 -	41837	4.2	1.16	<5	<2	55	10	2.38	59	10	110	43	9.97	.41	10	1.13	277	23	.01	26	6000	4128	<5	<20	35	.06	10	326	110	14	>10000
24 -	41838	3.0	1.67	10	<2	75	5	2.74	46	11	53	71	13.54	.70	20	2.13	407	12	.01	19	7050	1500	<5	<20	88	.06	<10	100	160	16	>10000
25 -	41839	.6	1.79	5	2	65	<5	1.18	12	7	190	38	3.64	.31	10	.79	119	26	.02	32	1890	322	<5	<20	34	.06	<10	249	<10	10	6569
26 -	41840	.8	1.38	5	<2	45	<5	2.98	34	7	48	44	6.62	.72	<10	2.23	298	13	<.01	14	6650	224	<5	<20	23	.06	<10	159	40	16	>10000
27 -	41841	3.0	1.34	5	<2	75	5	2.76	64	13	42	83	>15	.94	10	2.32	328	10	.01	21	8120	1278	<5	<20	42	.06	10	100	300	15	>10000
28 -	41842	<.2	1.25	5	<2	125	<5	.30	<1	13	221	14	2.79	.64	10	.66	130	8	.04	12	1000	20	<5	<20	7	.18	<10	25	<10	21	461
29 -	41843	.2	2.19	20	2	120	5	.20	<1	20	182	26	3.96	1.21	10	1.06	179	9	.01	16	410	14	<5	<20	6	.32	<10	57	<10	27	96
30 -	41844	<.2	2.13	5	<2	95	5	.32	<1	23	221	25	4.37	.83	10	.90	262	7	.01	20	890	10	<5	<20	7	.24	<10	55	<10	27	84
31 -	41845	<.2	2.58	<5	2	110	<5	1.35	<1	17	144	22	3.29	.78	10	.92	497	4	.03	21	1220	12	<5	<20	36	.21	<10	38	<10	23	74
32 -	41846	<.2	3.31	15	2	125	5	1.04	<1	28	206	27	4.48	1.19	10	1.35	248	8	.05	38	390	12	<5	<20	20	.35	<10	61	<10	30	96
33 -	41847	<.2	1.87	5	2	105	5	.32	<1	21	236	18	3.20	.89	10	.79	275	7	.01	30	630	14	<5	<20	6	.26	<10	35	<10	24	65
34 -	41848	<.2	2.97	5	2	350	5	1.39	<1	21	188	17	3.38	.69	<10	.92	339	4	.03	30	790	16	<5	<20	21	.21	<10	35	<10	19	75
35 -	41849	<.2	2.42	10	2	380	<5	1.45	<1	16	889	27	3.05	.43	10	.65	295	9	.01	34	1630	16	<5	<20	34	.18	<10	174	<10	21	67
36 -	41850	.4	.62	5	2	45	5	1.42	7	9	144	43	6.10	.15	10	.80	161	24	.01	27	2300	124	<5	<20	9	.05	10	112	30	11	3397
37 -	41851	.2	1.43	<5	4	70	<5	1.97	<1	11	106	57	3.54	.13	20	.37	124	8	.04	26	3610	34	<5	<20	20	.04	<10	29	<10	80	352
38 -	41852	3.0	.85	5	<2	70	5	2.31	68	19	74	102	14.52	.11	30	.66	353	17	.01	32	4670	1114	<5	<20	27	.03	20	80	220	8	>10000
39 -	41853	.8	.95	10	<2	55	5	1.38	21	11	231	60	9.12	.32	10	1.07	152	22	<.01	27	2260	774	<5	<20	11	.06	10	165	40	18	7817
40 -	41854	.8	.94	10	2	95	<5	.63	1	9	885	50	2.24	.19	10	.32	85	26	.01	39	610	86	<5	<20	15	.09	<10	297	10	12	435
41 -	41855	.4	1.76	10	2	130	<5	.74	2	7	263	47	1.09	.32	10	.69	140	19	.01	50	460	56	<5	<20	17	.09	<10	453	<10	13	572
42 -	41856	.4	1.23	<5	2	115	<5	1.94	2	8	152	58	1.57	.33	10	.67	78	15	<.01	60	6530	36	<5	<20	27	.06	<10	497	<10	16	424
43 -	41857	.2	1.76	10	2	110	<5	.70	1	7	147	34	1.09	.42	10	.81	123	22	.02	45	630	38	<5	<20	23	.07	<10	451	<10	9	249
44 -	41858	.4	1.15	5	2	50	<5	.74	3	8	102	28	4.27	.36	10	.65	145	19	<.01	40	1960	56	<5	<20	8	.08	<10	403	<10	9	637
45 -	41859	.6	1.26	5	4	95	<5	1.33	2	7	143	62	1.94	.32	10	.56	94	17	.03	45	3270	40	<5	<20	24	.06	<10	399	<10	10	303
46 -	41860	.6	1.19	5	2	45	<5	.78	1	11	132	62	5.62	.32	10	.70	126	14	.03	40	1400	88	<5	<20	14	.07	10	258	<10	8	404
47 -	41861	2.8	.71	<5	2	100	15	1.06	3	30	55	107	>15	.05	30	.17	145	14	.01	31	1850	622	<5	<20	20	.04	40	54	<10	<1	2038
48 -	41862	.2	3.24	15	2	170	5	2.23	1	18	153	40	2.99	.55	10	.61	251	13	.04	37	420	22	<5	<20	41	.17	<10	81	<10	18	88
49 -	41863	<.2	2.53	20	2	100	<5	11.06	<1	4	36	8	1.04	.22	<10	.50	339	2	.03	6	760	2	<5	<20	196	.06	<10	10	<10	12	18
50 -	41864	<.2	3.90	10	2	140	5	1.71	<1	23	125	23	3.46	.96	10	1.07	253	3	.03	26	530	6	5	<20	34	.29	<10	50	<10	26	62
51 -	41865	<.2	2.65	5	<2	105	5	.12	<1	27	158	22	4.25	1.40	10	1.25	196	4	.01	36	310	6	<5	<20	4	.36	<10	52	<10	30	69
52 -	41866	<.2	1.86	5	2	65	<5	.60	<1	12	115	12	2.36	.52	30	.60	150	4	.03	19	370	8	<5	<20	19	.13	<10	22	<10	14	63
53 -	41867	<.2	2.49	5	<2	115	10	.43	<1	22	109	17	3.82	1.43	10	1.09	235	4	.02	18	1050	6	<5	<20	5	.30	<10	64	<10	37	60
54 -	41868	<.2	2.29	10	<2	130	5	.10	<1	29	123	20	3.63	1.33	20	1.14	199	3	.01	16	330	6	<5	<20	7	.33	<10	54	<10	30	56
55 -	41869	<.2	2.10	5	<2	95	5	.25	<1	19	114	16	3.37	1.09	10	.90	138	3	.01	19	800	6	<5	<20	7	.30	<10	48	<10	29	45

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

SEPTEMBER 15, 1992

VALUES IN PPM UNLESS OTHERWISE REPORTED

TECK EXPLORATION LTD. ETK 92-442
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS
PROJECT #:1719

29 ROCK SAMPLES RECEIVED SEPTEMBER 3, 1992

ET#		DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1	-	41806	12.2	1.46	70	<2	50	25	.25	10	12	113	138	12.35	.31	<10	.93	78	19	.01	23	1740	2842	<5	20	5	.04	20	350	<10	2	1783
2	-	41807	3.0	1.21	75	<2	80	<5	.50	19	16	112	134	>15	.21	<10	.44	88	17	.01	15	5330	968	<5	<20	12	.05	20	229	<10	3	3928
3	-	41808	3.0	1.15	55	<2	55	5	.43	17	20	61	102	14.52	.29	<10	.43	87	17	.01	42	2220	768	<5	<20	4	.05	20	207	<10	4	5855
4	-	41809	7.2	1.17	55	<2	65	15	.79	24	19	115	68	>15	.29	<10	.29	181	18	.01	23	2910	6014	<5	<20	4	.05	20	148	<10	7	9411
5	-	41810	4.8	.09	55	<2	60	15	.86	25	17	88	92	>15	.21	<10	.26	214	17	.01	26	2570	1950	<5	<20	5	.06	20	163	<10	7	>10000
6	-	41811	1.6	1.43	50	<2	60	5	1.68	9	18	77	57	14.39	.06	10	.04	210	16	.02	22	4060	740	<5	<20	23	.04	20	167	<10	5	4198
7	-	41812 Trench	24.4	1.04	50	<2	70	65	2.79	69	18	61	67	>15	.23	<10	.40	383	13	.04	25	8670	5160	<5	<20	12	.05	20	97	40	20	>10000
8	-	41813 3ft	5.2	.83	110	<2	110	20	.88	34	19	44	136	>15	.05	<10	.64	226	11	.01	35	3700	722	<5	<20	6	.04	40	158	<10	<1	>10000
9	-	41814	1.2	.70	10	<2	45	<5	1.05	8	9	200	19	3.37	.21	10	1.15	226	12	.03	14	3020	2212	<5	<20	57	.05	<10	24	<10	8	3373
10	-	41815	1.4	1.78	40	<2	60	5	1.55	3	16	71	53	13.47	.05	10	.35	226	21	.03	38	2110	616	<5	<20	38	.04	20	94	<10	3	1742
11	-	41816	.6	2.01	<5	<2	90	<5	1.62	<1	10	117	46	2.78	.11	10	.70	290	13	.02	34	2460	44	<5	<20	34	.05	<10	135	<10	12	258
12	-	41817	<.2	2.52	5	<2	70	<5	.17	<1	28	115	15	5.06	.26	10	1.40	364	2	.01	36	540	8	<5	<20	6	.01	<10	33	<10	6	215
13	-	41818 3ft	5.2	1.14	55	<2	65	15	.68	49	13	43	84	>15	.35	<10	.20	172	8	.01	21	3090	1840	<5	<20	5	.05	20	77	<10	7	>10000
14	-	41819	1.8	1.19	40	<2	45	<5	1.18	23	16	80	108	11.28	.11	10	.03	224	18	.02	39	2310	408	<5	<20	16	.07	10	176	<10	8	8173
15	-	41820	3.2	1.36	45	<2	55	5	2.00	30	16	59	106	13.76	.13	40	1.03	151	10	.01	22	8120	1470	<5	<20	32	.07	10	208	<10	19	>10000
16	-	41821 TRENCH	3.8	1.42	50	<2	60	5	2.59	27	15	54	126	14.16	.40	20	1.99	143	6	.01	25	9370	3850	<5	<20	54	.06	10	222	<10	28	8806
17	-	41822 3ft	2.6	1.61	30	<2	50	<5	1.64	53	20	64	146	11.60	.14	10	1.72	306	10	.02	29	6400	408	<5	<20	25	.07	10	208	<10	14	>10000
18	-	41823	.8	1.53	10	2	100	<5	.86	5	9	155	37	3.59	.34	20	.95	197	22	.03	30	1200	266	<5	<20	26	.10	<10	339	<10	12	1783
19	-	41824	1.6	2.16	35	2	60	<5	2.44	21	24	79	199	13.65	.12	30	1.82	291	12	.08	34	10000	112	<5	<20	65	.06	20	248	<10	16	5424
20	-	41825	4.2	1.31	55	<2	65	5	1.70	51	21	57	163	>15	.13	10	1.29	343	15	.01	31	5630	1006	<5	<20	19	.07	20	214	<10	12	>10000

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

TECK EXPLORATIONS LTD. ETK 92-435
#350 - 250 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

EMBER 14, 1992

ATTENTION: GRAEME EVANS

ES IN PPM UNLESS OTHERWISE REPORTED

PROJECT: 1719
19 ROCK SAMPLES RECEIVED SEPTEMBER 2, 1992

Tr# 5C

DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
- 41763	.2	2.44	<5	<2	145	5	.92	2	9	102	18	2.94	.93	<10	1.19	353	6	.04	7	490	340	<5	<20	30	.20	<10	41	<10	17	1706
- 41764	<.2	1.71	<5	<2	220	<5	.83	1	8	207	5	2.40	.50	<10	.66	216	10	.02	9	1350	54	<5	<20	30	.15	<10	19	<10	22	859
- 41778	.2	1.47	10	<2	40	<5	.62	5	13	91	17	5.14	.38	<10	.69	193	5	.01	10	1790	164	<5	<20	16	.08	10	20	<10	8	3509
- 41779	<.2	2.14	<5	<2	300	<5	.35	1	15	221	9	3.40	.47	10	1.35	251	8	<.01	27	570	172	<5	<20	11	.09	<10	45	20	10	1022
- 41791	<.2	3.15	<5	4	100	<5	2.40	<1	17	70	19	2.50	.49	<10	.46	262	2	.06	22	520	16	<5	<20	111	.13	<10	21	10	12	97
- 41792	<.2	2.26	<5	2	270	<5	.58	<1	23	109	15	3.43	1.05	<10	.87	174	7	.02	34	240	10	<5	<20	26	.24	<10	50	<10	19	106
- 41793	<.2	4.57	<5	6	70	<5	3.25	<1	17	71	22	2.97	.64	<10	.79	329	2	.07	21	610	8	<5	<20	83	.13	<10	23	10	13	70
- 41794	<.2	2.76	<5	2	650	5	.55	<1	27	177	17	4.21	1.22	<10	1.08	312	5	.04	38	240	6	<5	<20	22	.32	<10	61	<10	26	96
- 41795	<.2	2.95	<5	2	245	5	.62	<1	27	133	17	4.29	1.59	<10	1.16	224	3	.03	41	240	4	<5	<20	13	.34	<10	57	<10	25	73
- 41796	<.2	3.59	<5	4	135	<5	2.61	<1	12	157	12	2.35	.52	10	.89	269	8	.07	12	600	8	<5	<20	69	.14	<10	25	20	17	41
- 41797	<.2	5.60	<5	6	95	<5	3.72	<1	18	84	20	3.20	.73	10	1.10	419	3	.10	22	550	16	<5	<20	100	.18	<10	28	<10	17	69
- 41798	<.2	2.15	<5	4	40	<5	2.21	<1	20	55	.29	3.39	.10	<10	.56	321	3	.07	25	620	8	<5	<20	47	.04	<10	1	<10	8	35
- 41799	<.2	1.50	<5	2	155	<5	.89	<1	10	135	9	1.76	.44	<10	.58	220	6	.02	13	1250	4	<5	<20	21	.15	<10	15	<10	20	23
- 41800	<.2	2.19	<5	<2	100	<5	.87	<1	16	263	8	2.50	.94	<10	.82	209	11	.03	25	760	10	<5	<20	28	.26	<10	34	<10	26	46
- 41801	<.2	1.89	5	<2	75	<5	.45	<1	22	144	13	3.40	.75	<10	.99	247	5	.02	34	510	4	5	<20	9	.24	<10	55	<10	20	56
- 41802	<.2	1.96	5	<2	75	5	.40	<1	24	245	15	3.17	.90	10	1.14	209	10	.02	34	410	6	<5	<20	8	.30	<10	56	<10	25	53
- 41803	<.2	2.36	<5	<2	80	<5	.36	<1	26	166	18	3.63	1.26	10	1.17	229	7	.01	38	260	4	5	<20	13	.35	<10	52	<10	27	66
- 41804	<.2	.95	<5	6	15	<5	>15	<1	2	12	1	1.41	.09	10	2.05	769	<1	<.01	3	220	4	5	<20	254	.01	<10	<1	<10	10	7
- 41805	<.2	.78	<5	6	15	<5	3.95	<1	5	27	8	1.80	.10	<10	1.22	552	1	<.01	8	160	2	5	<20	31	.04	<10	<1	<10	7	37

: < = LESS THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. CERTIFIED ASSAYER

ECO-TECH LABORATORIES LTD.
10041 EAST TRANS CANADA HWY.
KAMLOOPS, B.C. V2C 2J3
PHONE - 604-573-5700
FAX - 604-573-4557

SEPTEMBER 4, 1992

TECK EXPLORATION LTD. ETK 92-433
350, 272 Victoria Street
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS
PROJECT #:1719

24 ROCK SAMPLES RECEIVED SEPTEMBER 2, 1992

VALUES IN PPM UNLESS OTHERWISE REPORTED

TR 5C

ET#.	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN
1	- 41765	3.2	.74	90	<2	80	10	1.29	40	26	34	69	>15	<.01	<10	.34	195	10	<.01	38	4900	810	<5	<20	26	.03	40	62	***	3	>10000
2	- 41766	2.4	.57	70	<2	70	15	1.00	27	18	98	40	>15	.02	<10	.42	267	11	<.01	18	7240	1222	<5	<20	37	.03	30	18	***	5	>10000
3	- 41767	.6	.91	45	<2	65	5	2.01	19	15	81	49	9.90	.03	<10	.37	131	8	.01	19	6220	160	<5	<20	42	.02	20	11	***	7	>10000
4	- 41768	.4	1.64	25	<2	65	5	1.80	15	10	142	22	6.06	.12	<10	.80	439	13	.04	14	4460	244	<5	<20	50	.05	10	30	***	8	>10000
5	- 41769	.6	2.33	10	<2	75	<5	2.67	27	6	161	20	3.88	.06	<10	.45	261	16	.07	9	4070	166	<5	<20	111	.03	<10	17	***	7	>10000
6	- 41770	5.6	.41	45	<2	45	15	2.72	84	17	82	30	10.49	.01	<10	.46	464	13	<.01	17	7740	1234	<5	<20	79	.01	30	23	***	6	>10000
7	- 41771	1.6	.48	15	4	45	10	2.55	8	6	14	15	3.55	.01	<10	.81	326	6	<.01	10	4200	678	<5	<20	79	.01	10	16	***	3	4474
8	- 41772	1.2	.73	25	<2	60	<5	3.29	47	7	36	18	4.82	.13	<10	.98	296	9	<.01	6	8090	1606	<5	<20	48	.01	10	34	***	6	>10000
9	- 41773	1.8	1.10	35	2	65	<5	1.23	21	18	61	144	8.33	.29	<10	1.00	348	6	.01	17	2220	2332	<5	<20	13	.06	10	28	***	6	>10000
10	- 41774	2.0	.14	20	<2	40	<5	3.40	19	8	72	21	4.69	.01	<10	1.23	196	11	<.01	9	6790	4962	5	<20	89	.01	20	8	***	5	>10000
11	- 41775	.8	.79	20	<2	35	<5	3.27	23	12	113	15	4.00	.10	10	.64	166	14	.01	16	>10000	742	<5	<20	119	.02	10	90	***	11	>10000
12	- 41776	<.2	1.84	15	2	205	<5	.42	1	24	257	11	3.75	.62	10	.99	283	13	.03	38	570	88	<5	<20	20	.21	<10	53	20	20	897
13	- 41777	.4	1.48	25	8	50	<5	.81	12	13	127	32	5.23	.20	<10	.37	269	12	.03	17	1140	338	<5	<20	38	.05	<10	35	***	6	7343
14	- 41780	<.2	1.06	15	<2	150	<5	.40	9	14	148	11	3.64	.51	<10	.96	343	6	.01	28	1060	136	<5	<20	8	.12	<10	61	***	13	4800
15	- 41781	4.2	1.44	120	<2	125	85	.72	45	25	84	79	>15	.12	<10	.30	1038	12	<.01	29	1840	1367	<5	<20	3	.03	40	62	***	2	>10000
16	- 41782	<.2	1.76	20	2	150	<5	1.30	4	9	212	32	3.49	.27	10	.38	178	27	.04	36	2520	202	<5	<20	39	.05	<10	301	30	9	1577
17	- 41783	2.0	1.44	30	<2	75	10	8.21	19	11	17	29	7.59	.20	30	1.18	232	8	.02	14	>10000	2866	5	<20	118	.02	20	47	***	40	>10000
18	- 41784	1.6	.39	130	<2	105	20	1.41	115	29	<1	71	>15	<.01	<10	.19	689	9	<.01	22	4600	654	<5	<20	11	.02	40	23	***	1	>10000
19	- 41785	1.8	.52	140	<2	120	15	1.15	62	29	18	100	>15	<.01	<10	.01	438	8	<.01	37	2880	552	<5	<20	10	.02	40	28	***	<1	>10000
20	- 41786	2.0	.31	135	<2	120	20	1.05	64	41	8	98	>15	<.01	<10	<.01	420	8	<.01	32	2810	612	<5	<20	8	.02	40	28	***	<1	>10000
21	- 41787	2.4	1.00	15	<2	60	10	2.72	58	7	120	18	4.09	.09	20	.87	302	11	.03	8	7820	3414	<5	<20	33	.02	10	29	***	11	>10000
22	- 41788	.2	2.12	20	2	70	<5	1.80	14	4	60	13	3.08	.09	<10	.30	109	9	.09	3	1290	186	<5	<20	55	.01	<10	2	***	5	5757
23	- 41789	<.2	2.68	25	2	120	<5	1.47	2	24	118	22	4.32	.77	<10	.69	208	5	.06	37	540	66	<5	<20	29	.20	<10	44	<10	14	1451
24	- 41790	<.2	4.52	25	6	690	<5	3.42	<1	14	110	10	2.40	.67	10	.68	279	4	.05	18	580	28	<5	<20	91	.19	<10	27	10	16	175

TAKE NOTE:*** = UNABLE TO REPORT W VALUES DUE TO MASSIVE ZN INTERFERENCE

< = LESS THAN
> = GREATER THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

Page 3 TECK EXPLORATIONS LTD. ETK 92-464 SEPTEMBER 21, 1992 ECO-TECH LABORATORIES LTD.

ET#	DESCRIPTION	AG	AL(%)	AS	B	BA	BI	CA(%)	CD	CO	CR	CU	FE(%)	K(%)	LA	MG(%)	MN	MO	NA(%)	NI	P	PB	SB	SN	SR	TI(%)	U	V	W	Y	ZN	
56 -	41870	2.6	.28	15	4	185	35	.14	<1	17	7	30	>15	.05	60	<.01	<1	4	<.01	<1	3500	600	<5	<20	9	.04	60	32	<10	<1	516	
57 -	41871	<.2	3.31	15	2	105	5	1.58	<1	12	132	20	3.93	.62	10	.78	309	4	.02	13	360	18	<5	<20	32	.17	<10	42	<10	15	65	
58 -	41872	.6	1.92	10	2	220	<5	3.58	<1	6	145	104	2.29	.43	30	.76	103	10	.03	14	>10000	34	<5	<20	247	.06	<10	131	<10	30	50	
59 -	41873	.6	1.65	5	2	120	<5	3.23	<1	7	116	103	2.55	.30	20	.74	87	6	.03	14	>10000	30	<5	<20	137	.06	<10	122	<10	32	132	
60 -	41874	.6	1.28	<5	2	395	5	1.40	1	7	97	43	9.67	.19	10	.15	81	10	.04	2	5300	76	<5	<20	72	.04	30	41	<10	9	677	
61 -	41875	1.6	1.15	<5	2	50	5	2.50	10	6	53	80	8.14	.45	10	.84	132	5	.01	8	5830	72	<5	<20	16	.04	10	48	10	10	5026	.71
62 -	41876	1.6	1.39	<5	<2	60	5	3.27	24	8	52	97	9.11	.29	10	.66	163	7	.01	21	>10000	56	<5	<20	17	.04	20	58	60	17	8002	1.15
63 -	41877	.4	.44	<5	2	910	<5	5.41	2	3	36	30	2.50	.16	20	1.16	194	7	.01	4	>10000	58	<5	<20	114	.02	<10	40	<10	31	873	
64 -	41878	.6	1.05	<5	2	180	<5	4.68	<1	7	86	84	2.18	.27	30	.73	113	6	.01	15	>10000	32	<5	<20	104	.04	<10	52	<10	42	113	
65 -	41879	.4	.69	5	2	740	<5	4.41	<1	4	89	39	1.87	.20	30	.75	124	6	.02	4	>10000	38	<5	<20	108	.05	<10	69	<10	42	95	
66 -	41881	.6	1.17	<5	2	100	<5	3.79	<1	6	93	91	2.35	.29	30	.69	86	7	.02	14	>10000	40	<5	<20	96	.05	<10	95	<10	37	63	
67 -	41882	.8	1.58	<5	2	35	<5	4.78	7	7	62	96	4.57	.05	20	.23	100	13	.04	33	>10000	32	<5	<20	127	.03	<10	67	30	32	5914	.88
68 -	41883	3.4	1.12	15	2	85	<5	.96	2	48	31	266	>15	.05	30	.28	107	19	<.01	64	2280	24	<5	<20	19	.05	30	54	<10	<1	1471	
69 -	41884	.6	.73	5	<2	35	<5	5.67	11	8	39	94	4.78	.12	30	.64	164	13	.02	31	>10000	58	<5	<20	90	.03	10	94	60	44	9572	1.32
70 -	41885	3.8	.73	10	<2	50	5	1.62	20	7	112	71	5.00	.23	<10	.65	133	17	<.01	27	4170	1140	<5	<20	18	.05	10	108	20	13	6737	.87
71 -	41886	4.4	.75	5	<2	65	10	2.52	25	10	36	132	12.22	.27	20	.76	178	10	<.01	25	6010	976	<5	<20	11	.04	20	74	60	14	>10000	
72 -	41887	.2	.74	10	<2	40	<5	4.21	6	4	64	35	4.09	.20	10	.64	139	8	.01	15	>10000	74	<5	<20	38	.03	10	54	10	29	2967	
73 -	41888	.8	1.72	<5	2	85	10	1.44	3	22	48	104	>15	.13	20	.27	101	9	.02	23	3390	32	<5	<20	10	.04	20	30	<10	2	1732	
74 -	41889	1.0	1.97	<5	2	45	5	2.60	6	11	81	66	6.49	.20	10	.30	141	10	.03	28	6120	290	<5	<20	18	.05	<10	61	10	12	3437	
75 -	41890	1.4	1.06	10	2	50	10	2.30	12	11	49	65	9.29	.44	10	.33	108	9	.03	20	6000	450	<5	<20	10	.03	10	44	10	11	6480	
76 -	41891	.4	1.03	<5	2	65	<5	1.25	2	6	76	26	5.00	.32	10	.57	76	11	.03	14	3200	198	<5	<20	72	.06	<10	115	<10	11	1069	
77 -	41892	.6	1.26	5	2	60	5	1.34	13	8	45	44	10.28	.23	20	.38	119	8	.03	9	5150	234	<5	<20	24	.04	20	59	<10	7	5768	
78 -	41893	1.0	.77	10	<2	95	10	3.00	20	13	15	130	>15	.10	40	.25	171	10	.01	21	>10000	38	<5	<20	38	.03	30	55	40	16	>10000	
79 -	41894	.8	1.27	<5	<2	40	<5	4.91	21	8	60	95	6.57	.05	20	.35	226	17	.02	23	>10000	92	<5	<20	106	.04	10	116	60	32	>10000	
80 -	41895	1.0	1.32	5	2	45	<5	4.81	8	9	98	103	4.35	.05	20	.36	164	15	.02	30	>10000	154	<5	<20	122	.05	<10	100	10	27	6171	
81 -	41896	.8	1.33	5	2	65	<5	1.35	2	8	59	75	7.52	.13	10	.14	73	9	.03	14	3190	176	<5	<20	37	.05	10	41	<10	6	1137	

Tr 11
TR# 11

PLEASE NOTE: SAMPLE # 41880 MISSING
NOTE: < = LESS THAN
> = GREATER THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI, A.Sc.T.
B.C. Certified Assayer

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 22, 1992
CERTIFICATE OF ASSAY ETK 92-464

TECK EXPLORATION LTD.
350, 272 VICTORIA STREET
KAMLOOPS, B.C.
V2C 2A2

ATTENTION: GRAEME EVANS / FRED DALEY

SAMPLE IDENTIFICATION: 81 ROCK samples received SEPTEMBER 8, 1992
PROJECT: 1719

ET#		AG (g/t)	AG (oz/t)	PB (%)	ZN (%)	
1	-TR-4-6	10.6	.31	1.41	3.21	– Tr#4
7	-TR-8-1	.3	.01	.02	1.22	– Tr#8
14	- 41828	3.2	.09	.27	2.23	Tr#3A (14–27)
15	- 41829	1.6	.05	.18	.73	
16	- 41830	3.2	.09	.34	2.32	
17	- 41831	3.0	.09	.29	3.86	
18	- 41832	.9	.03	.08	.80	
19	- 41833	1.6	.05	.07	4.50	
20	- 41834	.8	.02	.03	1.31	
22	- 41836	2.9	.09	.13	3.58	
23	- 41837	4.9	.14	.45	2.91	
24	- 41838	2.3	.07	.18	3.34	
26	- 41839	1.0	.03	.03	2.02	
27	- 41841	3.2	.09	.16	3.53	
38	- 41852	2.9	.09	.14	3.24	
39	- 41853	1.0	.03	.11	1.09	
61	- 41875	1.8	.05	.01	.71	TR#11 (61–80)
62	- 41876	1.6	.05	.01	1.15	
67	- 41882	.7	.02	.04	.88	
69	- 41884	.9	.03	.01	1.32	
70	- 41885	4.0	.12	.15	.87	
71	- 41886	4.8	.14	.13	1.42	
75	- 41890	1.8	.05	.07	.92	
77	- 41892	.8	.02	.03	.76	
78	- 41893	1.2	.04	.01	1.74	
79	- 41894	1.1	.03	.01	1.70	
80	- 41895	1.2	.04	.02	.75	

SC92/TECK1719

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI
B.C. Certified Assayer

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy. Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 17, 1992

CERTIFICATE OF ASSAY ETK 92-442

TECK EXPLORATION LTD.
350, 272 VICTORIA STREET
KAMLOOPS, B.C.

ATTENTION: GRAEME EVANS / FRED DALEY

SAMPLE IDENTIFICATION: 29 ROCK samples received SEPTEMBER 3, 1992
PROJECT: 1719

ET#	AG (g/t)	AG (oz/t)	PB (%)	ZN (%)	
3 - 41808	3.1	.09	.09	.69	Trench 3f
4 - 41809	7.3	.21	.69	1.10	
5 - 41810	4.9	.14	.24	1.20	
7 - 41811	24.5	.71	.67	3.22	
8 - 41812	5.3	.16	.11	1.97	
13 - 41818	5.6	.16	.23	1.95	Trench 3c
14 - 41819	1.8	.05	.05	.96	
15 - 41820	3.2	.09	.17	1.32	
16 - 41821	3.9	.11	.46	1.10	
17 - 41822	2.6	.08	.06	2.11	
19 - 41824	1.7	.05	.02	.74	
20 - 41825	4.3	.13	.13	2.22	
21 - 41826	2.7	.08	.02	2.06	

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI
B.C. Certified Assayer

SC92/TECK1719

ECO-TECH LABORATORIES LTD.
ASSAYING - ENVIRONMENTAL TESTING
10041 East Trans Canada Hwy., Kamloops, B.C. V2C 2J3 (604) 573-5700 Fax 573-4557

SEPTEMBER 4, 1992

CERTIFICATE OF ASSAY ETK 92-433

TECK EXPLORATION LTD.
350, 272 VICTORIA STREET
KAMLOOPS, B.C.

ATTENTION: GRAEME EVANS

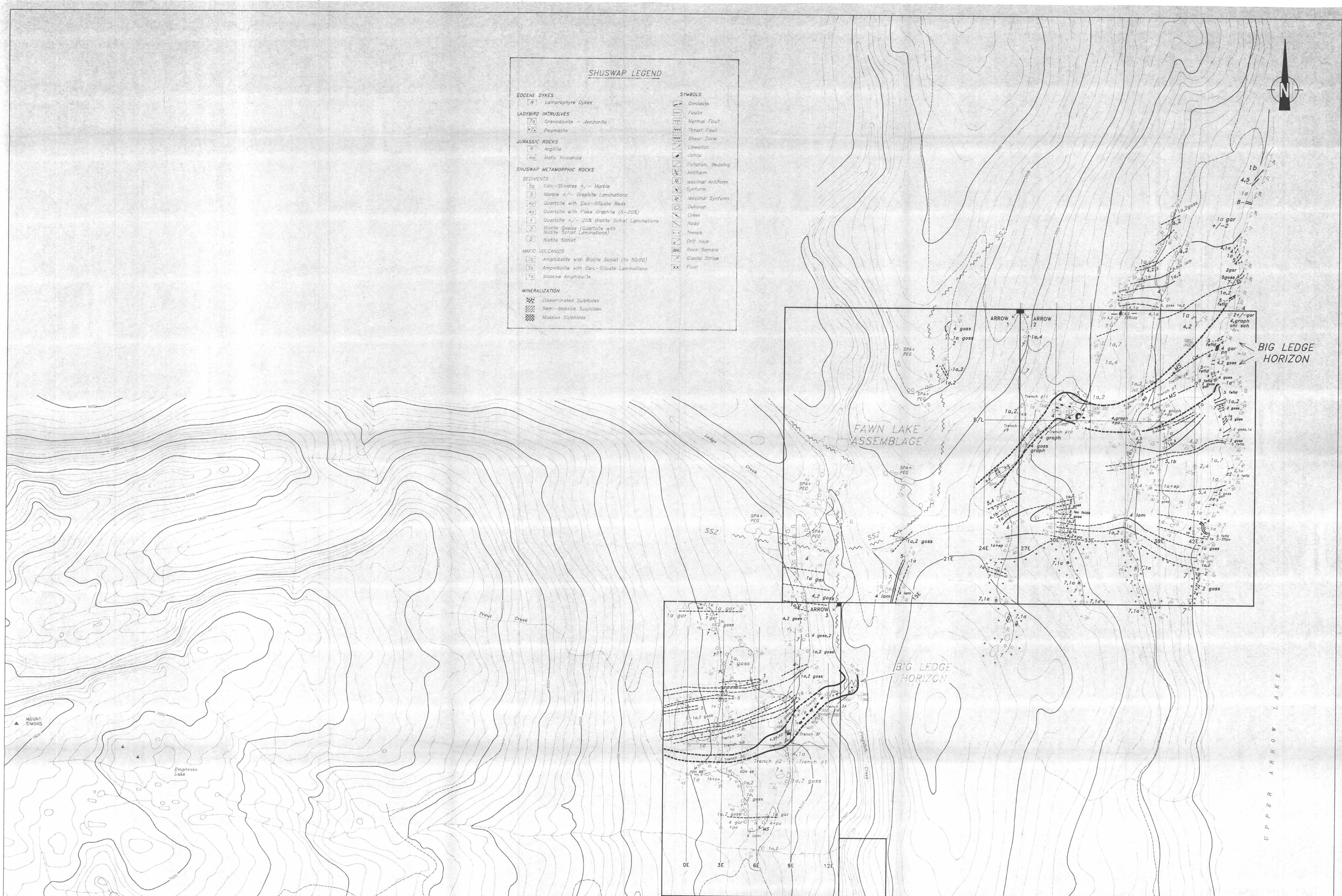
SAMPLE IDENTIFICATION: 24 ROCK samples received SEPTEMBER 2, 1992
PROJECT: 1719

Trench #5C

ET#			AG (g/t)	AG (oz/t)	PB (%)	ZN (%)
1	-	41765	4.8	.14	.11	3.24
2	-	41766	3.6	.11	.16	2.34
3	-	41767	1.3	.04	.02	1.58
4	-	41768	.8	.02	.03	1.09
5	-	41769	1.1	.03	.02	1.74
6	-	41770	7.6	.22	.16	6.79
7	-	41771	2.1	.06	.08	.54
8	-	41772	1.7	.05	.19	3.42
9	-	41773	2.3	.07	.30	1.78
10	-	41774	2.6	.08	.58	1.03
11	-	41775	1.6	.05	.08	1.38
12	-	41776	.2	.01	.02	.09
13	-	41777	.6	.02	.04	.77
14	-	41780	.5	.02	.02	.49
15	-	41781	5.9	.17	.17	3.32
16	-	41782	.4	.01	.03	.18
17	-	41783	3.0	.09	.32	1.00
18	-	41784	2.6	.08	.10	7.72
19	-	41785	3.2	.09	.09	4.66
20	-	41786	4.5	.13	.10	4.91
21	-	41787	3.2	.09	.35	1.48
22	-	41788	.4	.01	.03	.54
23	-	41789	.3	.01	.02	.14
24	-	41790	<.1	<.01	.01	<.01

NOTE: < = LESS THAN

ECO-TECH LABORATORIES LTD.
FRANK J. PEZZOTTI
B.C. Certified Assayer



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,664

TECK EXPLORATION LTD.

ARROW PROPERTY

GEOLOGY

Fig. 4

0 200 400 600 800 1000
metres

DATE DRAWN: DEC. 2, 1992	SCALE: 1:10,000	DWG. NAME: ARR–GEO
COMPILED BY: G.E.	JOB No: 1719	
DRAWN BY: S.A., B.F.	NTS No: 82K/5,12;82L/8,9	

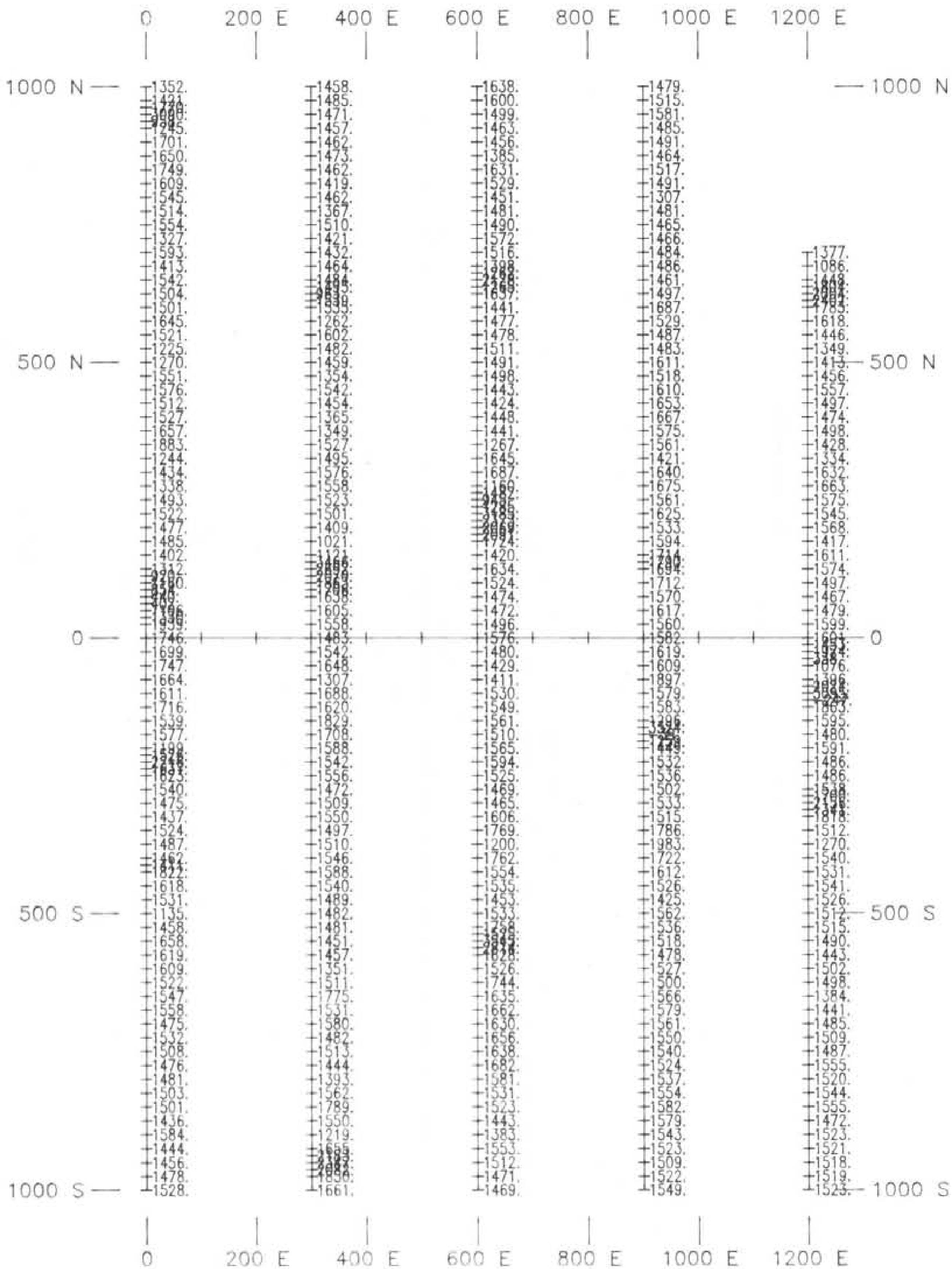

N
L 24+00 E
L 27+00 E
L 30+00 E
L 33+00 E
L 36+00 E
L 39+00 E
L 42+00 E
ARROW 1
ARROW 2
B/L 0+00
L 21+00 E
L 15+00 E
Ledge Creek
Trout Creek
ARROW 3
L 0+00 E
L 3+00 E
L 6+00 E
L 9+00 E
L 12+00 E
B/L 0+00
Pingston Creek
MOUNT SIMONS
Empresss Lake
Vanstone Creek
UPPER ARROW LAKE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
KEY for Colour Ranges
0 - 199 ppm
200 - 399 ppm
400 - 599 ppm
>599
TECK EXPLORATION LTD.
ARROW PROPERTY
SOIL GEOCHEMISTRY
Fig. 5
Zn ppm
0 200 400 600 800 1000
metres
DATE DRAWN: AUG. 17, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:10,000
JOB No: 1719
NTS No: 82K/5,12;82L/8,9
DWG. NAME: ARR-ZN


N
L 24+00 E
L 27+00 E
L 30+00 E
L 33+00 E
L 36+00 E
L 39+00 E
L 42+00 E
ARROW 1
ARROW 2
B/L 0+00
L 21+00 E
L 18+00 E
Ledge Creek
ARROW 3
L 0+00 E
L 3+00 E
L 6+00 E
L 9+00 E
L 12+00 E
B/L 0+00
Trout Creek
Pingston Creek
MOUNT SIMONS
Empress Lake
Vanstone Creek
UPPER ARROW LAKE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
KEY for Colour Ranges
0 – 9 ppm
10 – 24 ppm
25 – 49 ppm
>50 ppm
TECK EXPLORATION LTD.
ARROW PROPERTY
SOIL GEOCHEMISTRY
Fig. 6
Pb ppm
0 200 400 600 800 1000
metres
DATE DRAWN: AUG. 17, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:10,000
JOB No: 1719
NTS No: 82K/5,12;82L/8,9
DWG. NAME:
ARR-PB

GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
KEY for Colour Ranges
0 – 0.4 ppm
0.5 – 0.9 pm
1.0 – 1.9 ppm
>1.9 ppm
TECK EXPLORATION LTD.
ARROW PROPERTY
SOIL GEOCHEMISTRY
Fig. 7
Ag ppm
0 200 400 600 800 1000
metres
DATE DRAWN: AUG. 17, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:10,000
JOB No: 1719
NTS No: 82K/5,12;82L/8,9
DWG. NAME:
ARR–AG
UPPER ARROW LAKE
MOUNT SIMONS
Empress Lake
Trout Creek
Ledge Creek
Vandone Creek
Pingston Creek
ARROW 1
ARROW 2
ARROW 3
L 24+00 E
L 27+00 E
L 30+00 E
L 33+00 E
L 36+00 E
L 39+00 E
L 42+00 E
L 21+00 E
L 15+00 E
L 0+00 E
L 3+00 E
L 6+00 E
L 9+00 E
L 12+00 E
B/L 0+00
N

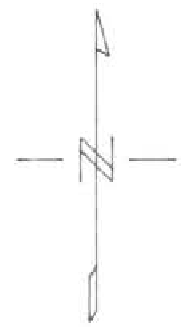

N
ARROW 1
ARROW 2
ARROW 3
L 0+00 E
L 3+00 E
L 6+00 E
L 9+00 E
L 12+00 E
L 21+00 E
L 24+00 E
L 27+00 E
L 30+00 E
L 33+00 E
L 36+00 E
L 39+00 E
L 42+00 E
B/L 0+00
Ledge Creek
Trout Creek
Vanstone Creek
Empress Lake
MOUNT SIMONS
UPPER ARROW LAKE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
KEY for Colour Ranges
0 – 499 ppm
500 – 699 ppm
700 – 999 ppm
>999 ppm
TECK EXPLORATION LTD.
ARROW PROPERTY
SOIL GEOCHEMISTRY
Mn ppm
Fig. 8
0 200 400 600 800 1000
metres
DATE DRAWN: AUG. 18, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:10,000
JOB No: 1719
NTS No: 82K/5,12;82L/8,9
DWG. NAME: ARR-MN

ARROW 1
ARROW 2
ARROW 3
L 24+00 E
L 27+00 E
L 30+00 E
L 33+00 E
L 36+00 E
L 42+00 E
L 21+00 E
L 15+00 E
L 0+00 E
L 3+00 E
L 6+00 E
L 9+00 E
L 12+00 E
B/L 0+00
Ledge Creek
Trout Creek
Vanstone Creek
MOUNT SIMONS
Empress Lake
UPPER ARROW LAKE
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
KEY for Colour Ranges
0 - 49 ppm
50 - 99 ppm
100 - 149 ppm
>149 ppm
TECK EXPLORATION LTD.
ARROW PROPERTY
SOIL GEOCHEMISTRY
Ni ppm
Fig.9
0 200 400 600 800 1000
metres
DATE DRAWN: AUG. 17, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:10,000
JOB No: 1719
NTS No: 82K/5,12;82L/8,9
DWG. NAME: ARR-NI



GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664



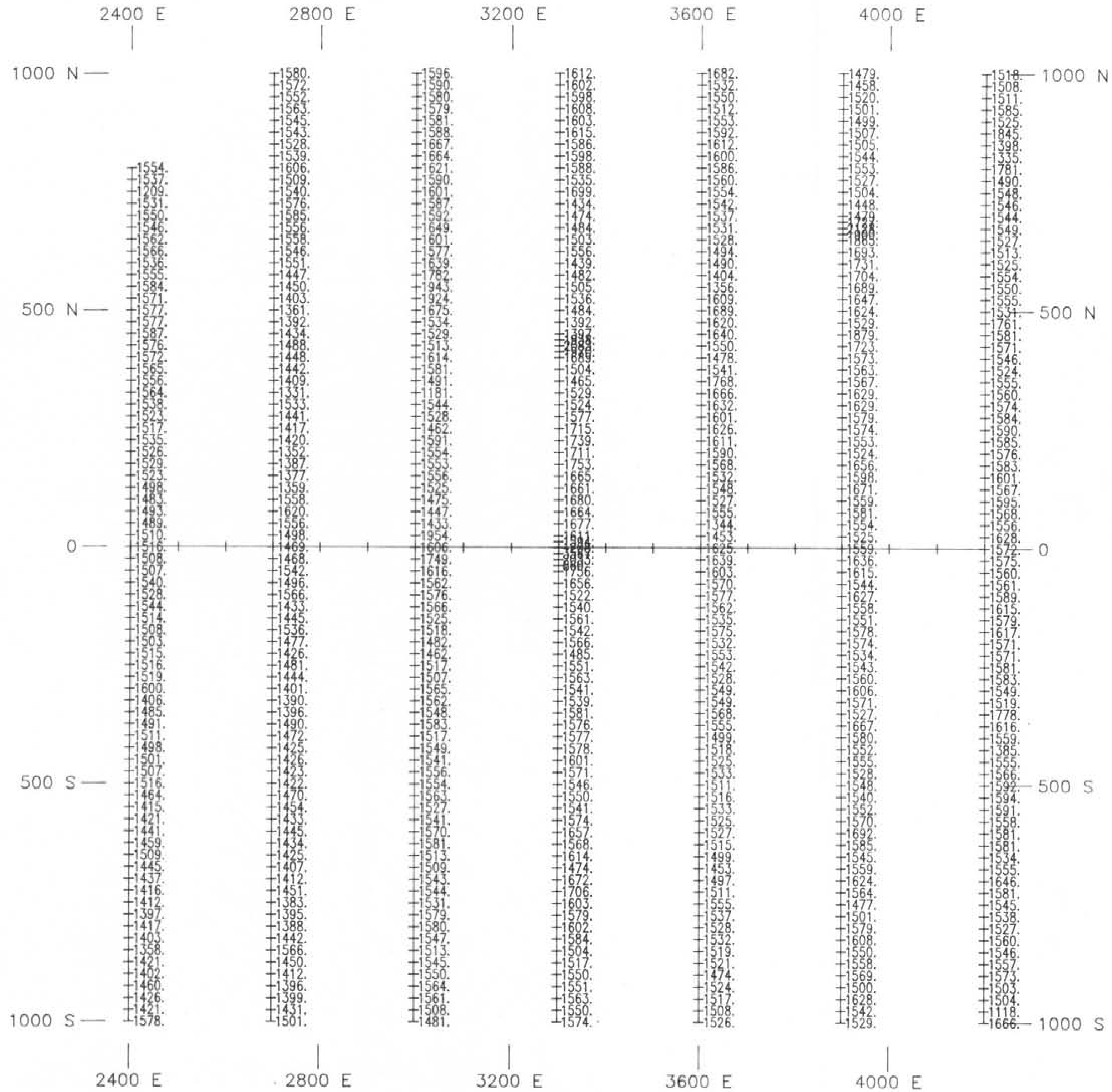
Scale 1:10000

200 0 200 400 600

(metres)

TECK EXPLORATION LTD.
ARROW WEST CLAIM TOTAL FIELD MAGNETIC DATA
NTS
56000 Gammas Removed
Data: GE Drawn By: KC

Fig. 10 A



GEOLOGICAL BRANCH ASSESSMENT REPORT

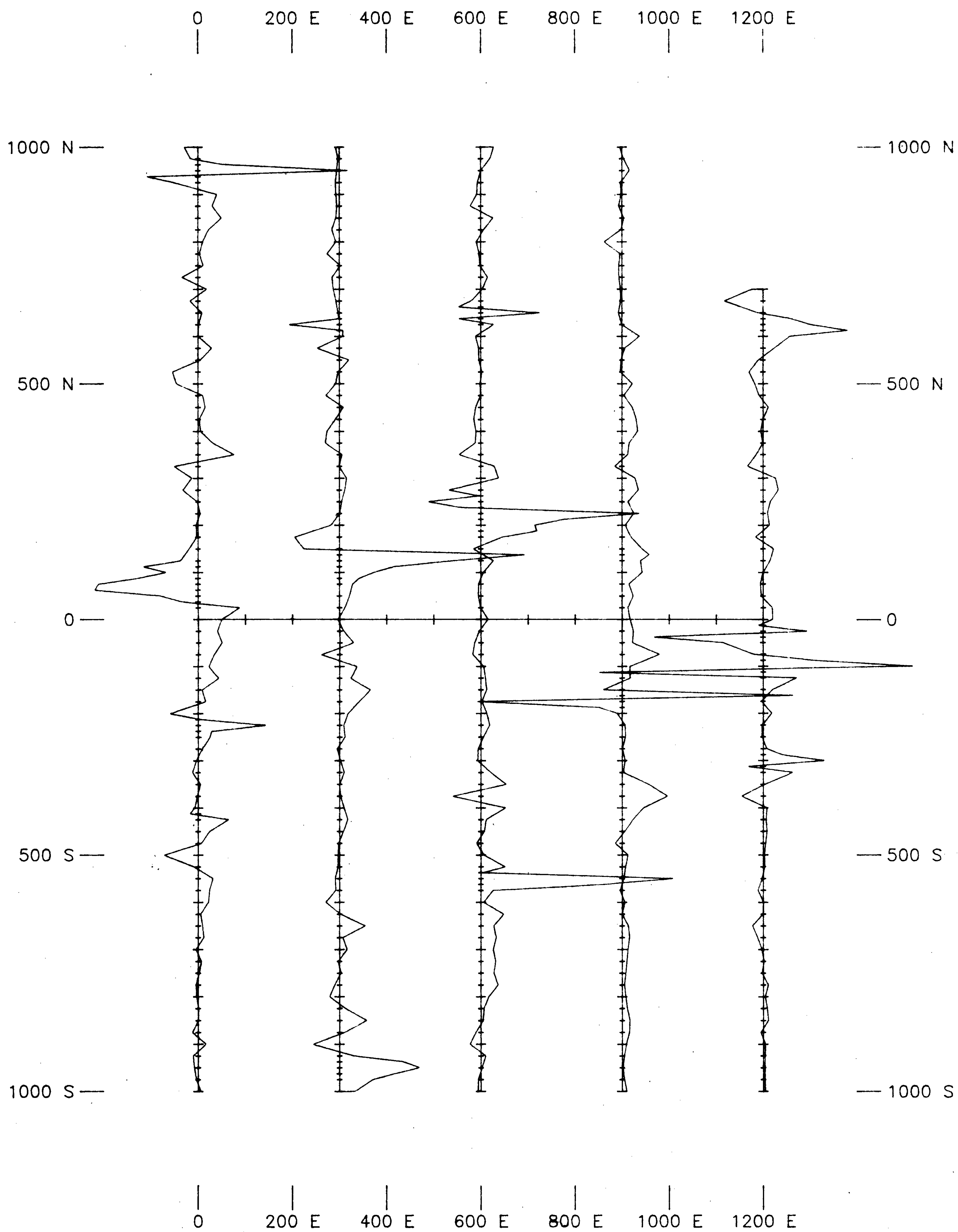
22,664

Scale 1:10000

250 0 250 500 750

(metres)

TECK EXPLORATION LTD.
ARROW EAST CLAIM TOTAL FIELD MAGNETIC DATA
NTS 56000 Gammas Removed — **Fig. 10B**
Data: GE Drawn By: KC



22,664

GEOLOGICAL BRANCH
ASSESSMENT REPORT

Scale 1:10000

200 0 200 400 600
(metres)

Profile Scale 1 cm = 500 γ

TECK EXPLORATION LTD.

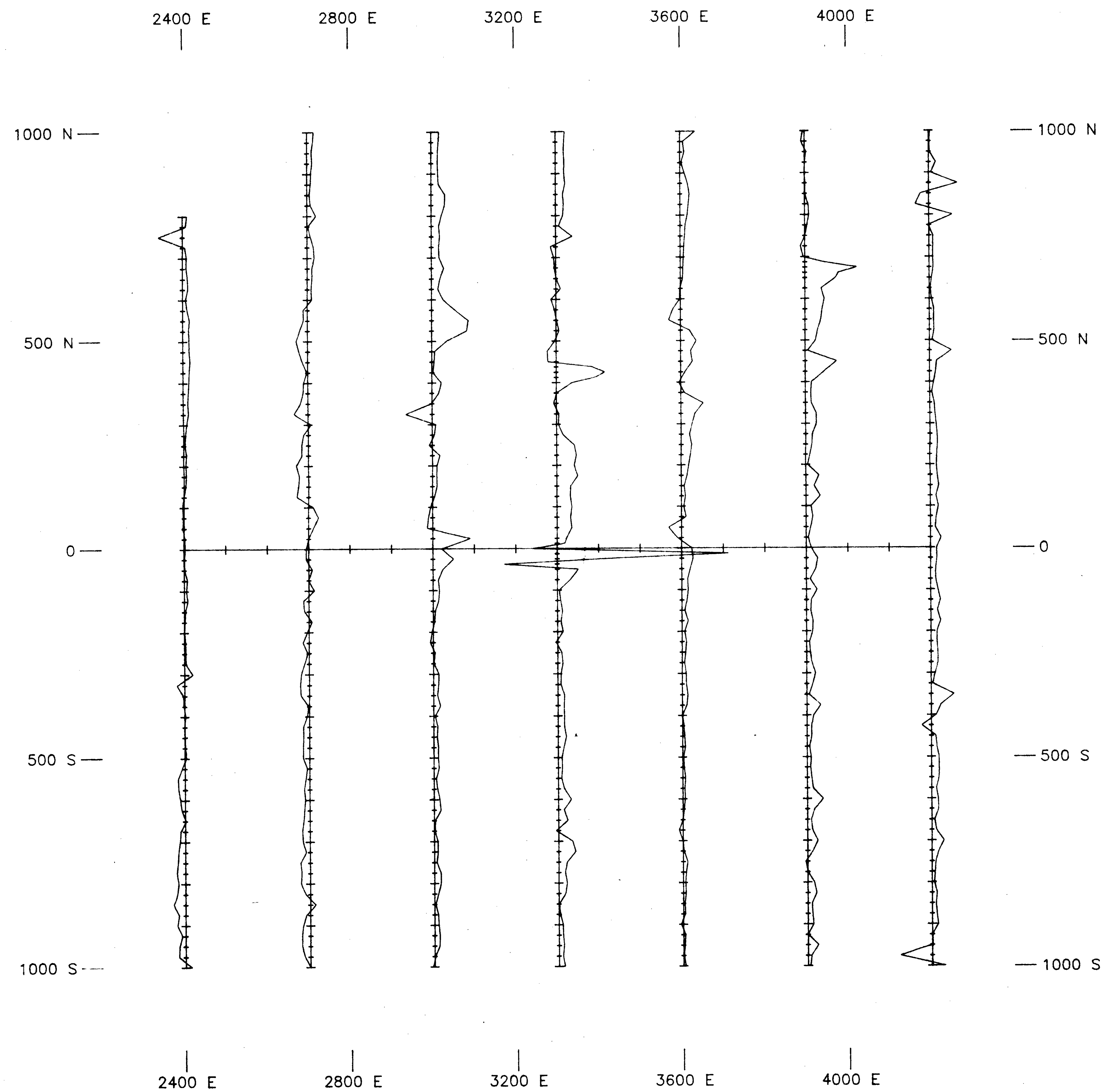
Arrow 3 Claim

Magnetometer Survey

Line Profile

Fig. 11A

57,500 γ Base



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,664

Scale 1:10000

250 0 250 500 750
(metres)

Profile Scale 1 cm = 500 γ

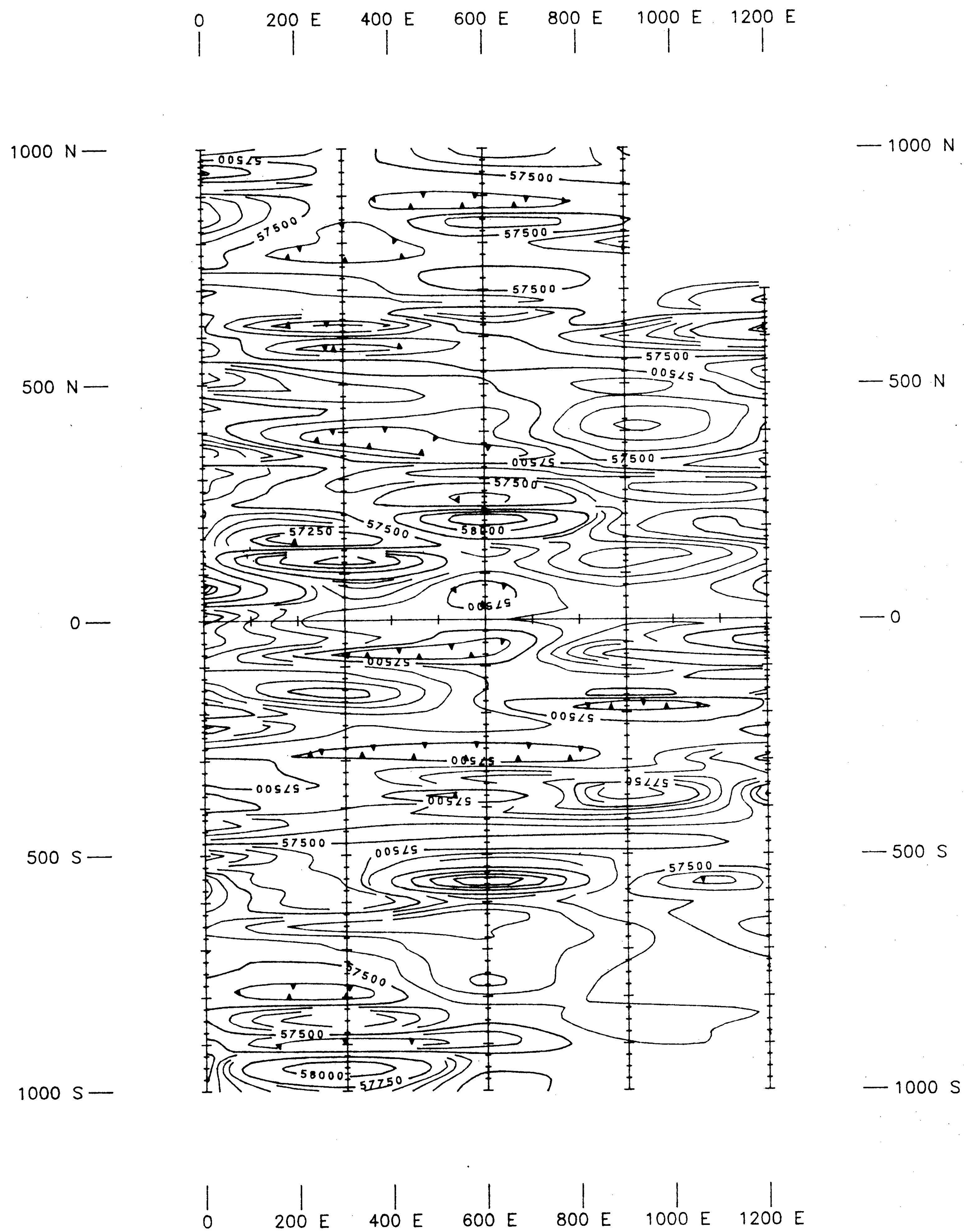
TECK EXPLORATION LTD.

Arrow 1–2 Claims

Magnetometer Survey
Line Profile

Fig. 11B

57,500 γ Base



GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,664

Scale 1:10000
200 0 200 400 600
(metres)

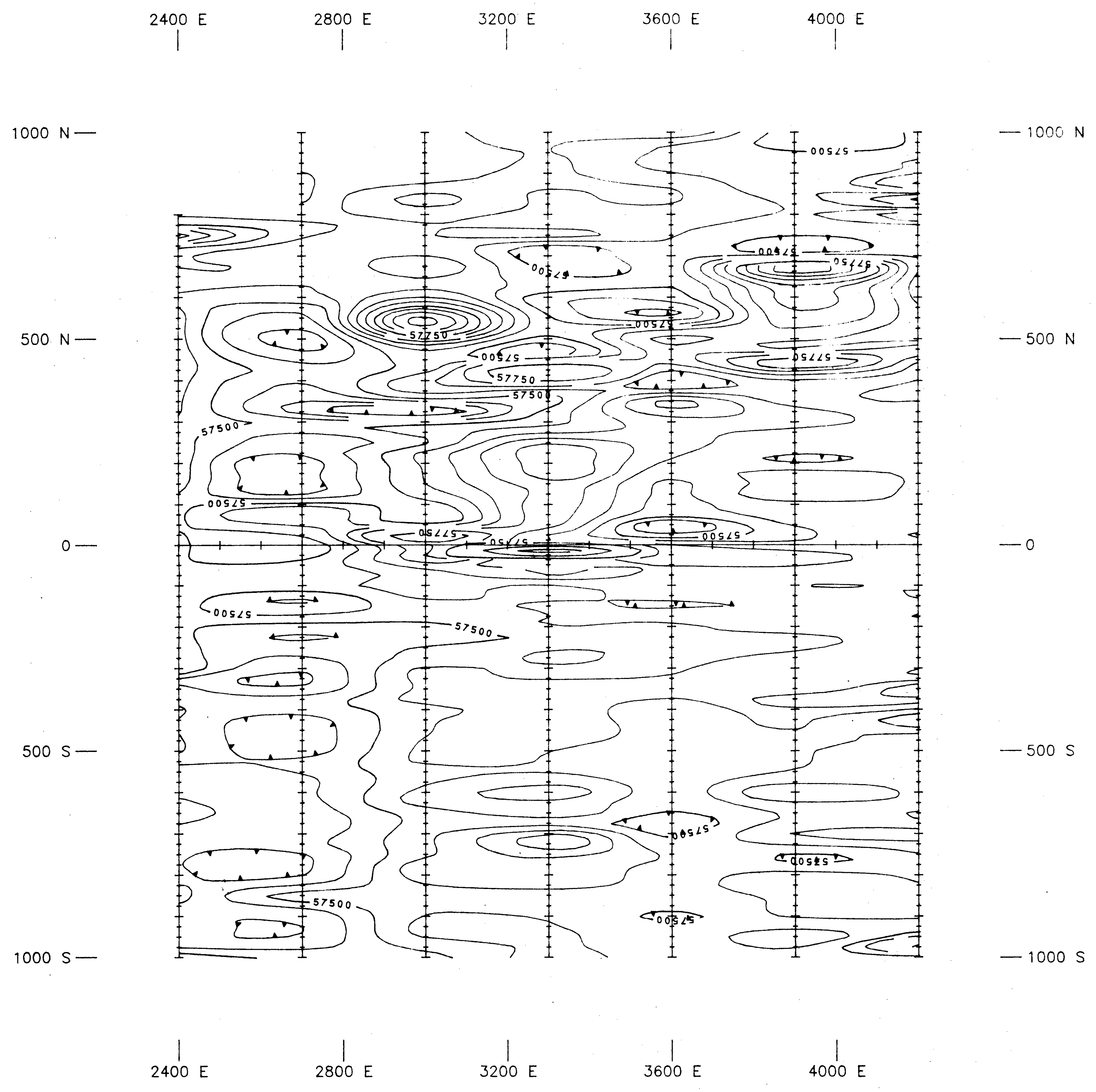
TECK EXPLORATION LTD.

Arrow 3 Claim

Fig. 12A

Magnetometer Survey

Contour



GEOLOGICAL BRANCH
ASSESSMENT REPORT

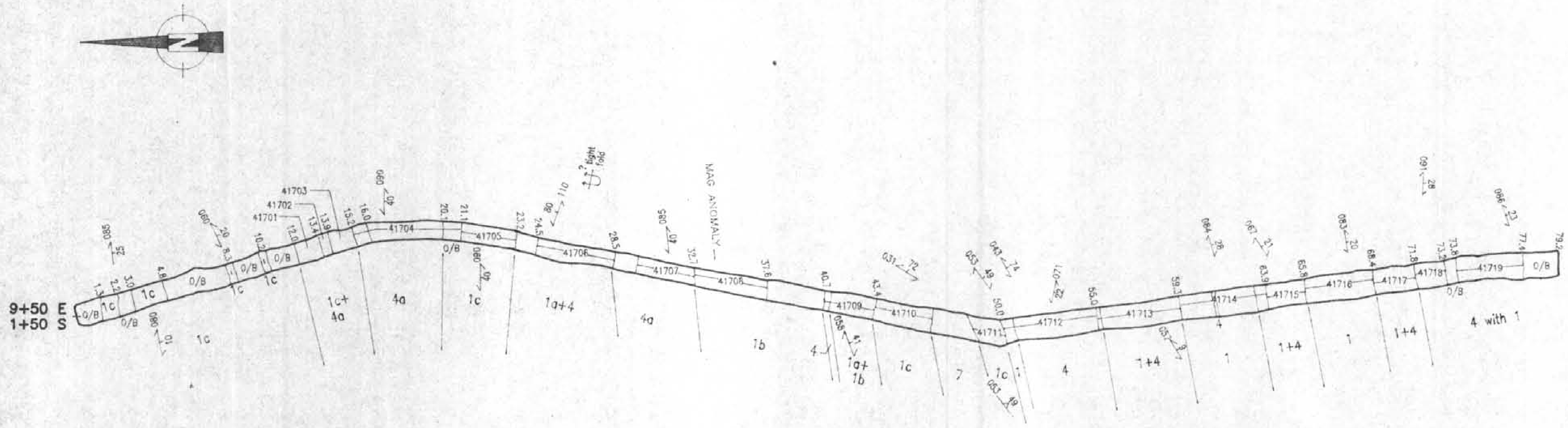
22,664

Scale 1:10000

250 0 250 500 750

(metres)

TECK EXPLORATION LTD.
Arrow 1–2 Claims Fig. 12B
Magnetometer Survey Contour



LEGEND

EOCENE DYKES

- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES

- 7a Granodiorite - Monzonite
- 7 Pegmatite

JURASSIC ROCKS

- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS

- 5a Calc-Silicates +/- Marble
- 5 Marble +/- Graphite Laminations
- 4b Quartzite with Calc-Silicate Beds
- 4a Quartzite with Flake Graphite (5-20%)
- 4 Quartzite +/- 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS

- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc-Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION

- Disseminated Sulphides
- Semi-Massive Sulphides
- Massive Sulphides

SYMBOLS

- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664

TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

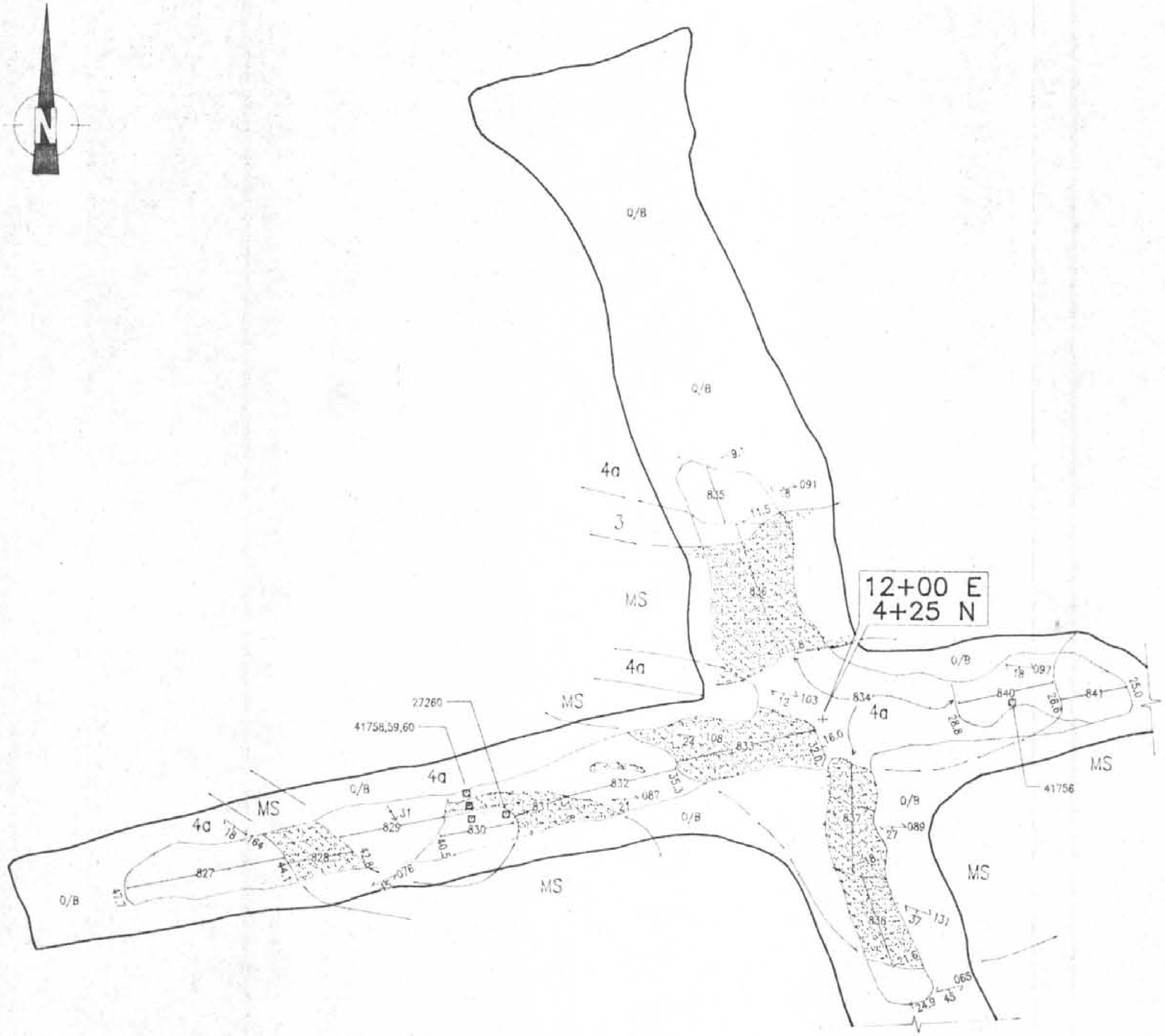
ARROW PROPERTY

PLAN MAP of TRENCH #1

0 5 10 15
metres

DATE DRAWN: NOV. 24, 1992	SCALE: 1:200	DWG. NAME: ARK-TR1
COMPILED BY: G.E.	JOB No: 1719	
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	


8+50 E
0+30 S
MAGNETIC HIGH
SCALE BREAK
LEGEND
EOCENE DYKES
8 Lamprophyre Dykes
LADYBIRD INTRUSIVES
7a Granodiorite - Monzonite
7 Pegmatite
JURASSIC ROCKS
6 Argillite
6a Mafic Volcanics
SHUSWAP METAMORPHIC ROCKS
SEDIMENTS
5a Calc-Silicates +/- Marble
5 Marble +/- Graphite Laminations
4b Quartzite with Calc-Silicate Beds
4a Quartzite with Flake Graphite (5-20%)
4 Quartzite +/- 20% Biotite Schist Laminations
3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
2 Biotite Schist
MAFIC VOLCANICS
1c Amphibolite with Biotite Schist (to 50:50)
1b Amphibolite with Calc-Silicate Laminations
1a Massive Amphibolite
MINERALIZATION
Disseminated Sulphides
Semi-Massive Sulphides
Massive Sulphides
SYMBOLS
Contacts
Faults
Normal Fault
Thrust Fault
Shear Zone
Lineation
Joints
Foliation, Bedding
Antiform
Isoclinal Antiform
Synform
Isoclinal Synform
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA
ARROW PROPERTY
PLAN MAP of
TRENCH #2
0
5
10
15
metres
DATE DRAWN: NOV. 24, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:200
JOB No: 1719
NTS: 82K/5,12;82L/8,9
DWG. NAME:
ARR-TR2



LEGEND

EOCENE DYKES

- [8] Lamprophyre Dykes

LADYBIRD INTRUSIVES

- [7a] Granodiorite -- Monzonite
- [7] Pegmatite

JURASSIC ROCKS

- [6] Argillite
- [6a] Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS

- [5a] Calc-Silicates +/- Marble
- [5] Marble +/- Graphite Laminations
- [4b] Quartzite with Calc-Silicate Beds
- [4a] Quartzite with Flake Graphite (5-20%)
- [4] Quartzite +/- 20% Biotite Schist Laminations
- [3] Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- [2] Biotite Schist

MAFIC VOLCANICS

- [1c] Amphibolite with Biotite Schist (to 50:50)
- [1b] Amphibolite with Calc-Silicate Laminations
- [1a] Massive Amphibolite

MINERALIZATION

- Disseminated Sulphides
- Semi-Massive Sulphides
- Massive Sulphides

SYMBOLS

- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPOR

22,664

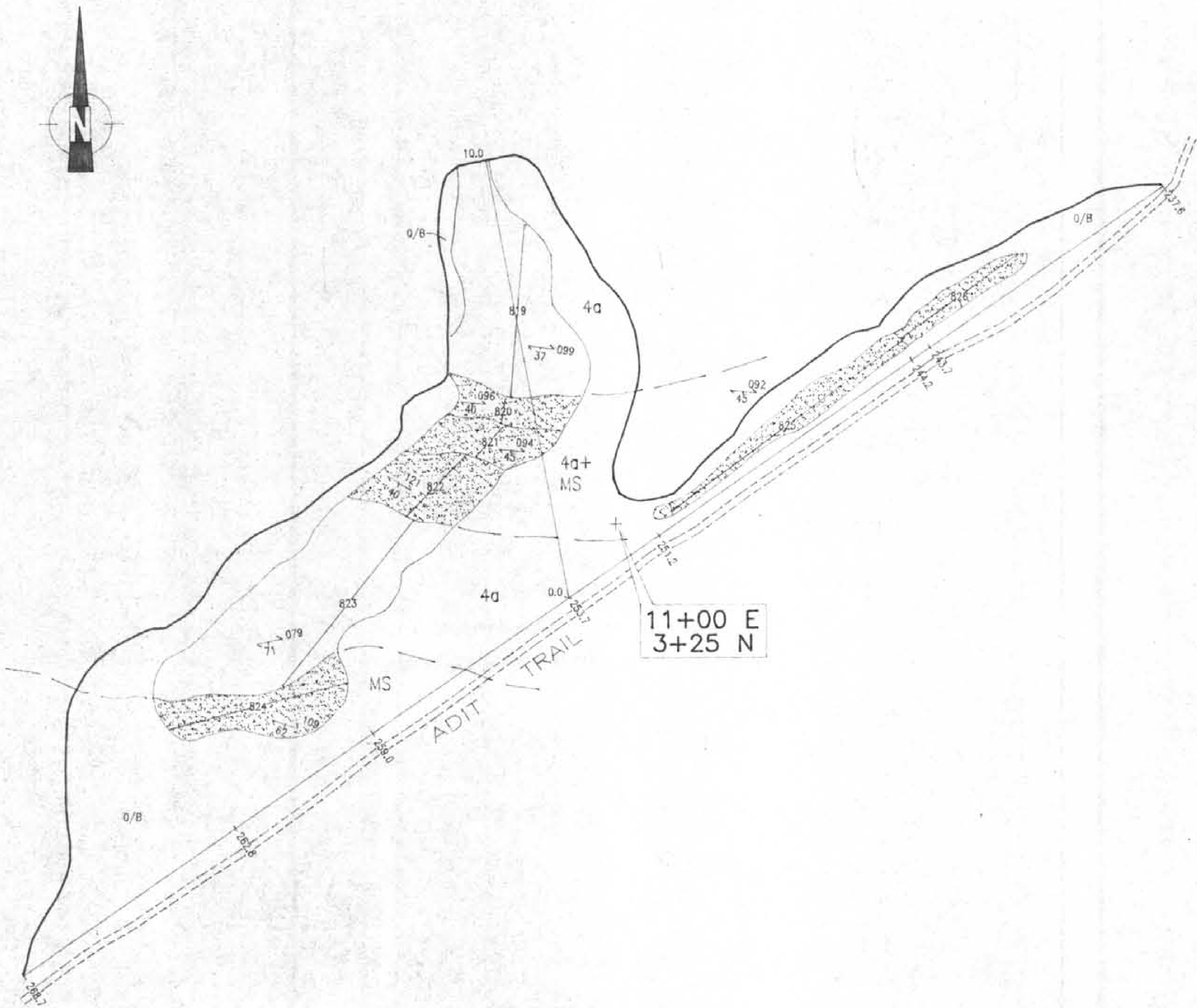
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

ARROW PROPERTY

PLAN MAP of TRENCH #3A

0 2.5 5
metres

DATE DRAWN: NOV, 25, 1992	SCALE: 1:100	DWG. NAME: ARR-TR3A
COMPILED BY: G.E.	JOB No: 1719	
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	



LEGEND

EOCENE DYKES
- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES
- 7a Granodiorite – Monzonite
- 7 Pegmatite

JURASSIC ROCKS
- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS
- 5a Calc–Silicates +/– Marble
- 5 Marble +/– Graphite Laminations
- 4b Quartzite with Calc–Silicate Beds
- 4a Quartzite with Flake Graphite (5–20%)
- 4 Quartzite +/– 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS
- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc–Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION
- Disseminated Sulphides
- Semi–Massive Sulphides
- Massive Sulphides

SYMBOLS
- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664

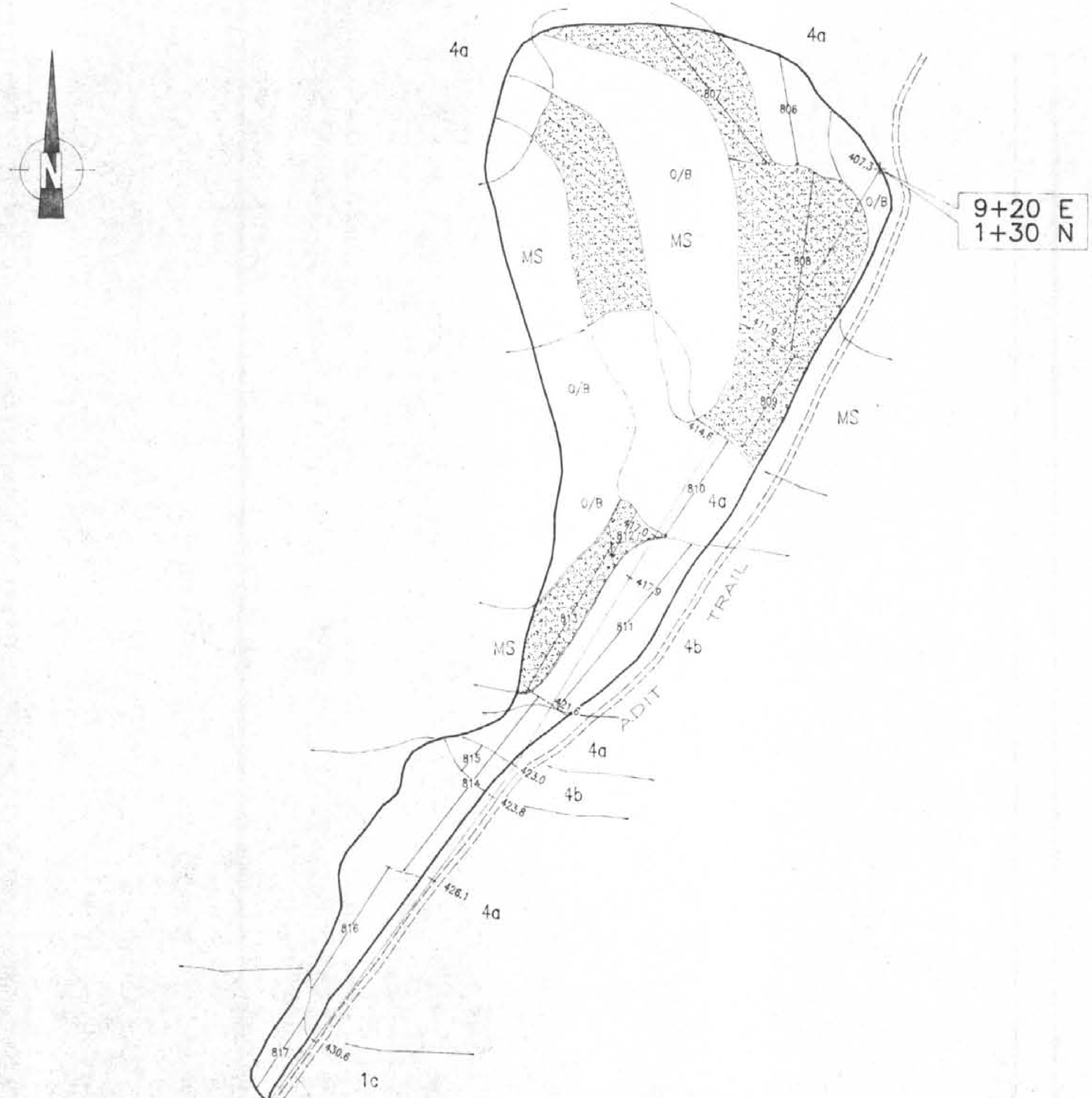
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

ARROW PROPERTY

PLAN MAP of TRENCH #3C

0 2.5 5
metres

DATE DRAWN: NOV. 25, 1992	SCALE: 1:100	DWG. NAME: ARR-TR3C
COMPILED BY: G.E.	JOB No: 1719	
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	



LEGEND

EOCENE DYKES
- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES
- 7a Granodiorite – Monzonite
- 7 Pegmatite

JURASSIC ROCKS
- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS
- 5a Calc-Silicates +/– Marble
- 5 Marble +/– Graphite Laminations
- 4b Quartzite with Calc-Silicate Beds
- 4a Quartzite with Flake Graphite (5–20%)
- 4 Quartzite +/– 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS
- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc-Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION
- Disseminated Sulphides
- Semi-Massive Sulphides
- Massive Sulphides

SYMBOLS
- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664

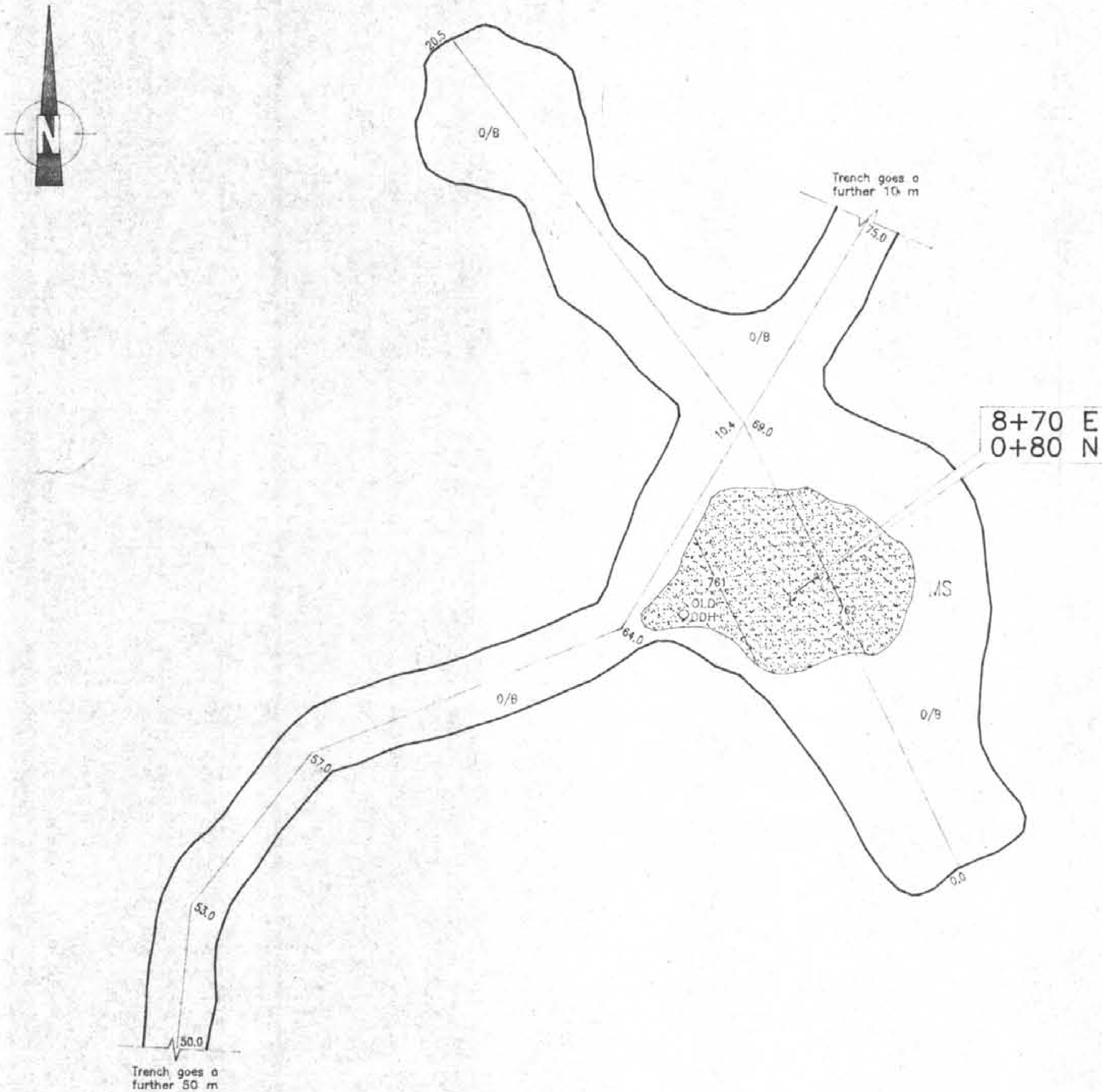
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

ARROW PROPERTY

PLAN MAP of TRENCH #3F

0 2.5 5
metres

DATE DRAWN: NOV. 26, 1992	SCALE: 1:100	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1719	ARR-TR3F
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	



LEGEND

EOCENE DYKES
- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES
- 7a Granodiorite – Monzonite
- 7 Pegmatite

JURASSIC ROCKS
- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS
- 5a Calc–Silicates +/– Marble
- 5 Marble +/– Graphite Laminations
- 4b Quartzite with Calc–Silicate Beds
- 4a Quartzite with Flake Graphite (5–20%)
- 4 Quartzite +/– 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS
- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc–Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION
- Disseminated Sulphides
- Semi–Massive Sulphides
- Massive Sulphides

SYMBOLS
- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664

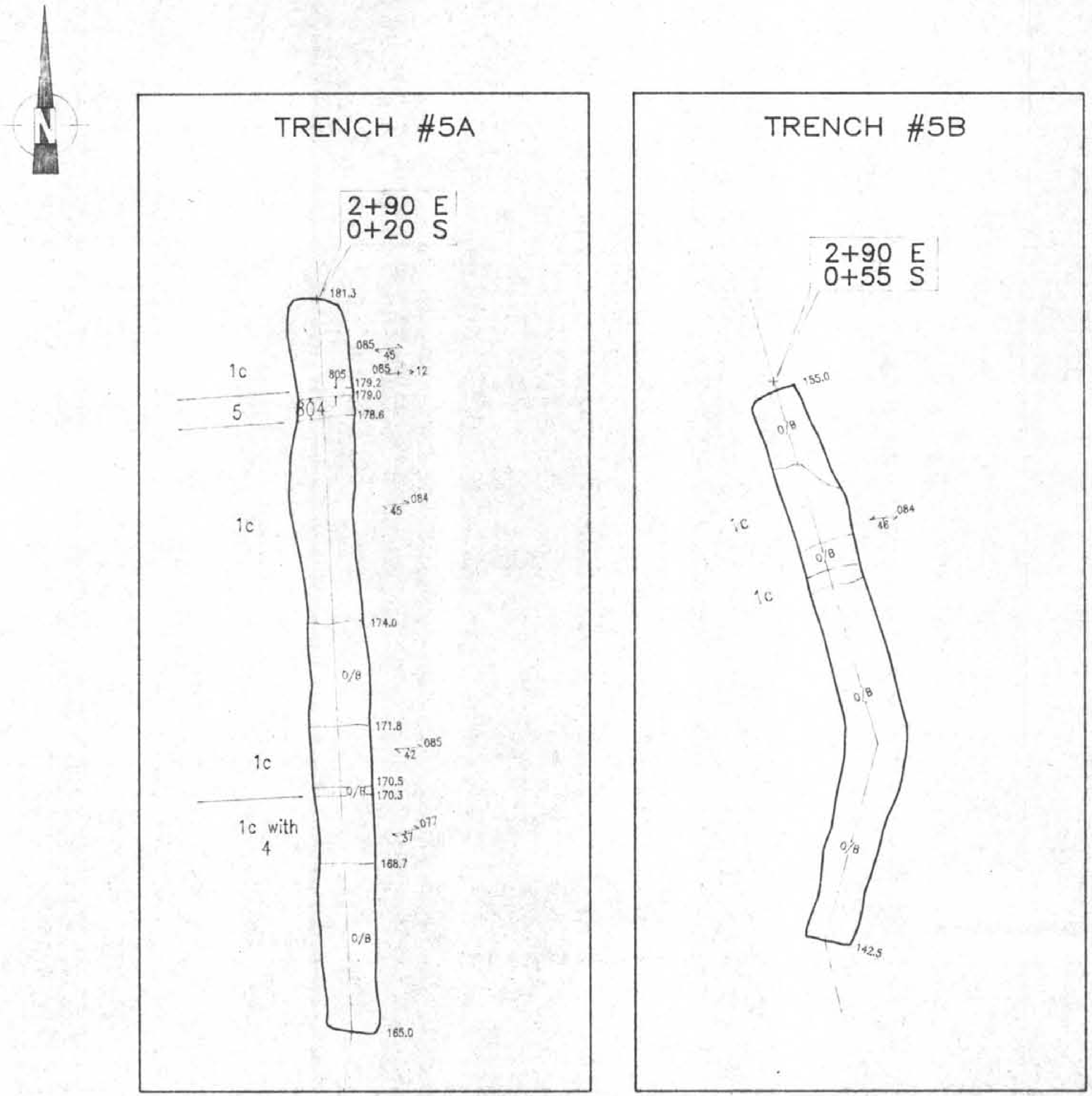
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

ARROW PROPERTY

PLAN MAP of TRENCH #4

0 2.5 5
metres

DATE DRAWN: NOV. 27, 1992	SCALE: 1:100	DWG. NAME: ARR–TR4
COMPILED BY: G.E.	JOB No: 1719	
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	



LEGEND

EOCENE DYKES

- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES

- 7a Granodiorite – Monzonite
- 7 Pegmatite

JURASSIC ROCKS

- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS

- 5a Calc–Silicates +/– Marble
- 5 Marble +/– Graphite Laminations
- 4b Quartzite with Calc–Silicate Beds
- 4a Quartzite with Flake Graphite (5–20%)
- 4 Quartzite +/– 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS

- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc–Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION

- Disseminated Sulphides
- Semi–Massive Sulphides
- Massive Sulphides

SYMBOLS

- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664

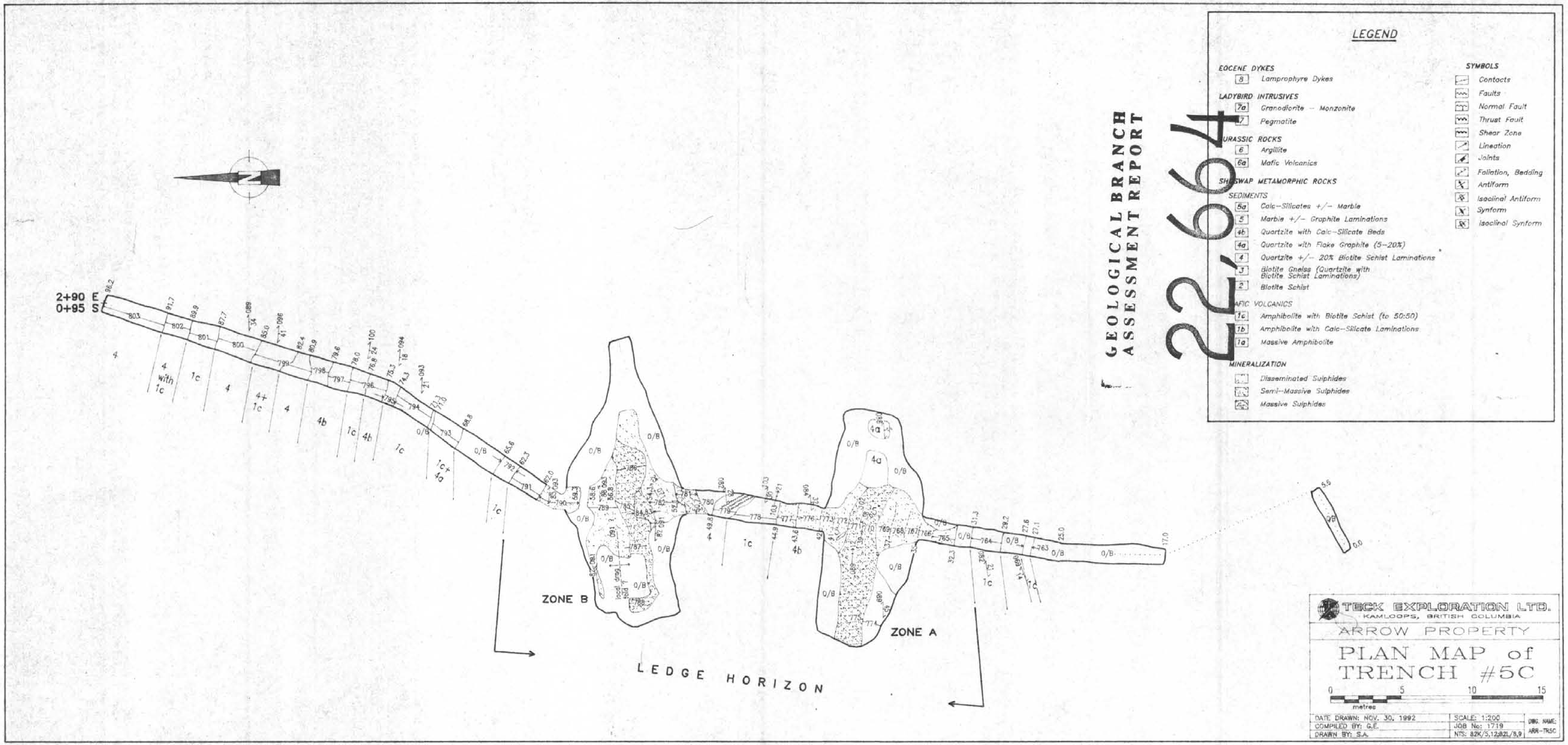
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

ARROW PROPERTY

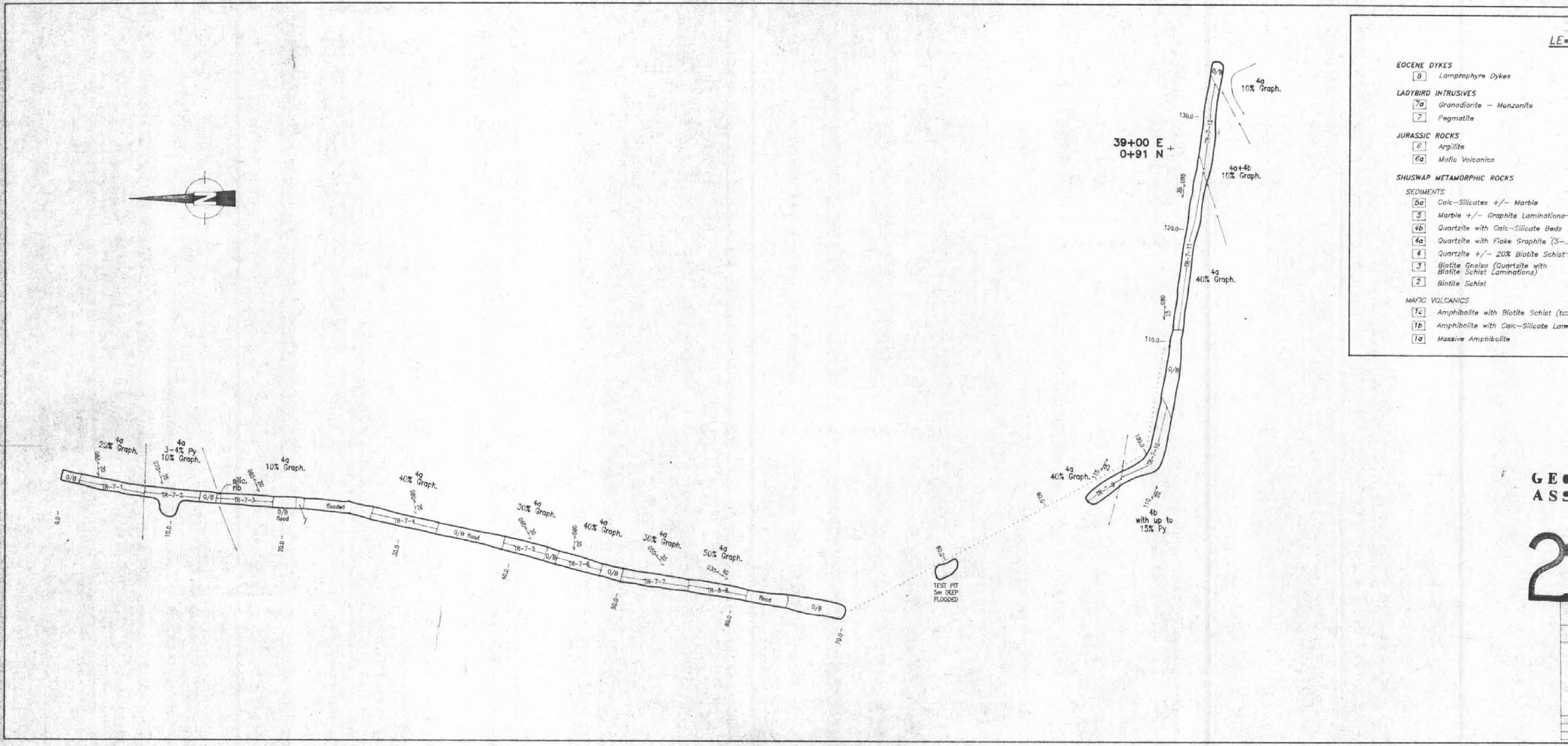
PLAN MAP of TRENCHES 5A & 5B

0 2.5 5
metres

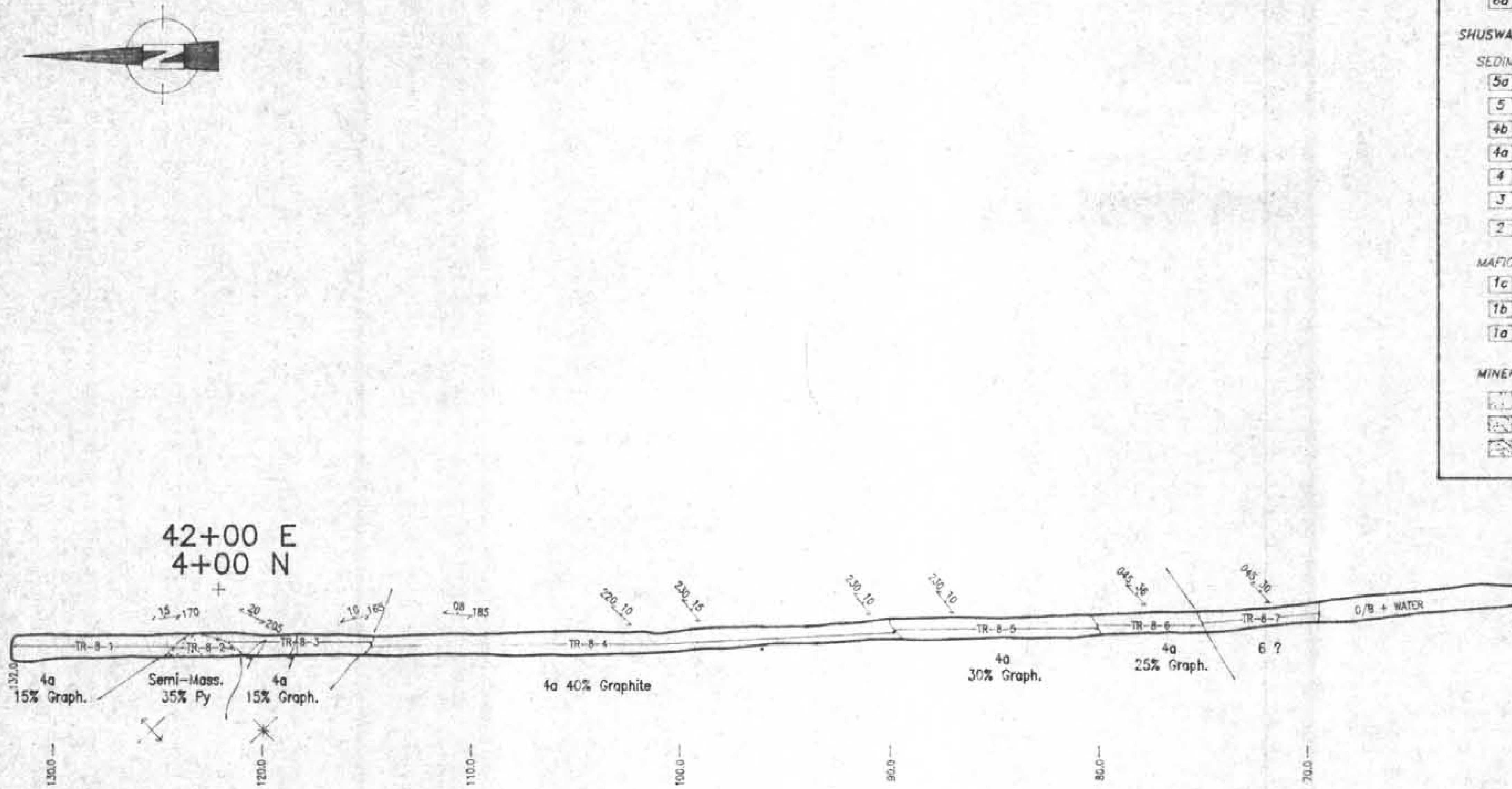
DATE DRAWN: NOV. 27, 1992	SCALE: 1:100	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1719	ARR–T5AB
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	



2+90 E
0+95 S
ZONE B
ZONE A
LEDGE HORIZON
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
LEGEND
EOCENE DYKES
8 Lamprophyre Dykes
LADYBIRD INTRUSIVES
7a Granodiorite – Monzonite
7 Pegmatite
JURASSIC ROCKS
6 Argillite
6a Mafic Volcanics
SHUSWAP METAMORPHIC ROCKS
SEDIMENTS
5a Calc–Silicates +/– Marble
5 Marble +/– Graphite Laminations
4b Quartzite with Calc–Silicate Beds
4a Quartzite with Flake Graphite (5–20%)
4 Quartzite +/– 20% Biotite Schist Laminations
3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
2 Biotite Schist
MAFIC VOLCANICS
1c Amphibolite with Biotite Schist (to 50:50)
1b Amphibolite with Calc–Silicate Laminations
1a Massive Amphibolite
MINERALIZATION
Disseminated Sulphides
Semi–Massive Sulphides
Massive Sulphides
SYMBOLS
Contacts
Faults
Normal Fault
Thrust Fault
Shear Zone
Lineation
Joints
Foliation, Bedding
Antiform
Isoclinal Antiform
Synform
Isoclinal Synform
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA
ARROW PROPERTY
PLAN MAP of TRENCH #5C
0 5 10 15
metres
DATE DRAWN: NOV. 30, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:200
JOB No: 1719
NTS: 82K/5,12;82L/8,9
DWG. NAME: ARR-TR5C



39+00 E
0+91 N
EOCENE DYKES
8 Lamprophyre Dykes
LADYBIRD INTRUSIVES
7a Granodiorite – Monzonite
7 Pegmatite
JURASSIC ROCKS
6 Argillite
6a Mafic Volcanics
SHUSWAP METAMORPHIC ROCKS
SEDIMENTS
5a Calc–Silicates +/– Marble
5 Marble +/– Graphite Laminations
4b Quartzite with Calc–Silicate Beds
4a Quartzite with Flake Graphite
4 Quartzite +/– 20% Biotite Schist
3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
2 Biotite Schist
MAFIC VOLCANICS
1c Amphibolite with Biotite Schist
1b Amphibolite with Calc–Silicate
1a Massive Amphibolite
4a 20% Graph.
4a 3–4% Py 10% Graph.
silic. rib
4a 10% Graph.
4a 40% Graph.
4a 30% Graph.
4a 40% Graph.
4a 30% Graph.
4a 50% Graph.
TR-7-1
TR-7-2
TR-7-3
TR-7-4
TR-7-5
TR-7-6
TR-7-7
TR-8-8
TR-7-9
TR-7-10
TR-7-11
TR-7-12
O/B
flooded
O/B flood
flood
TEST PIT 5m DEEP FLOODED
4a 40% Graph.
4b with up to 15% Py
4a 40% Graph.
4a+4b 10% Graph.
4a 10% Graph.
0.0
10.0
20.0
30.0
40.0
50.0
60.0
70.0
80.0
90.0
100.0
110.0
120.0
130.0



LEGEND

EOCENE DYKES
- 8 Lamprophyre Dykes

LADYBIRD INTRUSIVES
- 7a Granodiorite – Monzonite
- 7 Pegmatite

JURASSIC ROCKS
- 6 Argillite
- 6a Mafic Volcanics

SHUSWAP METAMORPHIC ROCKS

SEDIMENTS
- 5a Calc–Silicates +/– Marble
- 5 Marble +/– Graphite Laminations
- 4b Quartzite with Calc–Silicate Beds
- 4a Quartzite with Flake Graphite (5–20%)
- 4 Quartzite +/– 20% Biotite Schist Laminations
- 3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
- 2 Biotite Schist

MAFIC VOLCANICS
- 1c Amphibolite with Biotite Schist (to 50:50)
- 1b Amphibolite with Calc–Silicate Laminations
- 1a Massive Amphibolite

MINERALIZATION
- Disseminated Sulphides
- Semi–Massive Sulphides
- Massive Sulphides

SYMBOLS
- Contacts
- Faults
- Normal Fault
- Thrust Fault
- Shear Zone
- Lineation
- Joints
- Foliation, Bedding
- Antiform
- Isoclinal Antiform
- Synform
- Isoclinal Synform

GEOLOGICAL BRANCH ASSESSMENT REPORT

22,664

TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA

ARROW PROPERTY

PLAN MAP of TRENCH #8

0 25 50 75 100 125
metres

DATE DRAWN: DEC. 2, 1992	SCALE: 1:250	DWG. NAME:
COMPILED BY: G.E.	JOB No: 1719	ARR–TR8
DRAWN BY: S.A.	NTS: 82K/5,12;82L/8,9	


N
30+05 E
0+60 N
LEGEND
EOCENE DYKES
8 Lamprophyre Dykes
LADYBIRD INTRUSIVES
7a Granodiorite – Monzonite
7 Pegmatite
JURASSIC ROCKS
6 Argillite
6a Mafic Volcanics
SHUSWAP METAMORPHIC ROCKS
SEDIMENTS
5a Calc–Silicates +/– Marble
5 Marble +/– Graphite Laminations
4b Quartzite with Calc–Silicate Beds
4a Quartzite with Flake Graphite (5–20%)
4 Quartzite +/– 20% Biotite Schist Laminations
3 Biotite Gneiss (Quartzite with Biotite Schist Laminations)
2 Biotite Schist
MAFIC VOLCANICS
1c Amphibolite with Biotite Schist (to 50:50)
1b Amphibolite with Calc–Silicate Laminations
1a Massive Amphibolite
MINERALIZATION
Disseminated Sulphides
Semi–Massive Sulphides
Massive Sulphides
SYMBOLS
Contacts
Faults
Normal Fault
Thrust Fault
Shear Zone
Lineation
Joints
Foliation, Bedding
Antiform
Isoclinal Antiform
Synform
Isoclinal Synform
GEOLOGICAL BRANCH
ASSESSMENT REPORT
22,664
TECK EXPLORATION LTD.
KAMLOOPS, BRITISH COLUMBIA
ARROW PROPERTY
PLAN MAP of
TRENCH #11
0 5 10 15
metres
DATE DRAWN: DEC. 1, 1992
COMPILED BY: G.E.
DRAWN BY: S.A.
SCALE: 1:200
JOB No: 1719
NTS: 82K/5,12;82L/8,9
DWG. NAME:
ARR–TR11