ARIS SUMMARY SHEET

District Geologist, Kamloops — Off Confidential: 89.08.23

ASSESSMENT REPORT 18033 — MINING DIVISION: Clinton

PROPERTY: Bobcat
LOCATION: LAT 51 17 00 LONG 122 33 00
UTM 10 5681211 531384
NTS 092O07E
CLAIM(S): Bobcat I-III
OPERATOR(S): Lexington Res.
AUTHOR(S): Heine, T.H.
REPORT YEAR: 1988, 161 Pages
COMMODITIES SEARCHED FOR: Gold
GEOLOGICAL SUMMARY:

Near Blackdome Mountain, the rocks are composed of ignimbrites and possible ash-flows and lapilli tuffs, as well as volcanic and debris flows, ranging in composition from andesitic to rhyolitic. The entire sequence has been correlated with the Kamloops Group. Unconformally capping the Eocene rocks are basalt flows of Early Miocene or Late Oligocene age.

WORK DONE: Geological,Geochemical,Physical
GEOL 0.3 ha
ROCK 1058 sample(s) ;AU,HG,AG
SOIL 980 sample(s) ;AU,HG,AG
Map(s) - 3; Scale(s) - 1:1000,1:2500
TREN 2579.5 m 15 trench(es)
Map(s) - 1; Scale(s) - 1:1500

Assessment Report

for

Work Completed on the Bobcat Claims

Clinton Mining Division, British Columbia

by

Lexington Resources Limited
Suite 780
885 Dunsmuir Street
Vancouver, British Columbia
V6C 1N8

Location: Latitude 51°17' North
Longitude 122°33' West
Camelsfoot Range, approximately 70 km WSW of Clinton, B.C. and about 5 km southwest of the Blackdome mine
N.T.S. 92 O / 7 / SE

Subject: Geological and geochemical surveys conducted on the Bobcat claims from 23 June to 10 August 1988.

Prepared by: Thomas H. Heine,
430 7th Street East,
Saskatoon, Saskatchewan
S7H 0X5

November 1988

Table of Contents

Figures

Figures (cont.)

Figures (cont.)

Figures (cont.)

Figures (cont.)

Tables

I. Introduction

Lexington Resources Limited, owners of the Bobcat group of claims in the Clinton Mining Division, British Columbia, undertook a two phase exploration programme, concentrating on the Bobcat II claim. The first phase of this project ran from 23 June to 9 August, and consisted of trenching and trench mapping and sampling. The purpose of this phase was to define and delineate targets for subsequent diamond drill testing.

The second phase consisted of a diamond drilling programme to test the downdip and strike extensions of the targets defined during the first phase.

This report provides a review of previous work completed on these claims, and describes the programme undertaken on the Bobcat II claim during 1988.

II. Personnel

The following Lexington Resources Limited and Severn Explorations Limited personnel were employed during the course of this project:

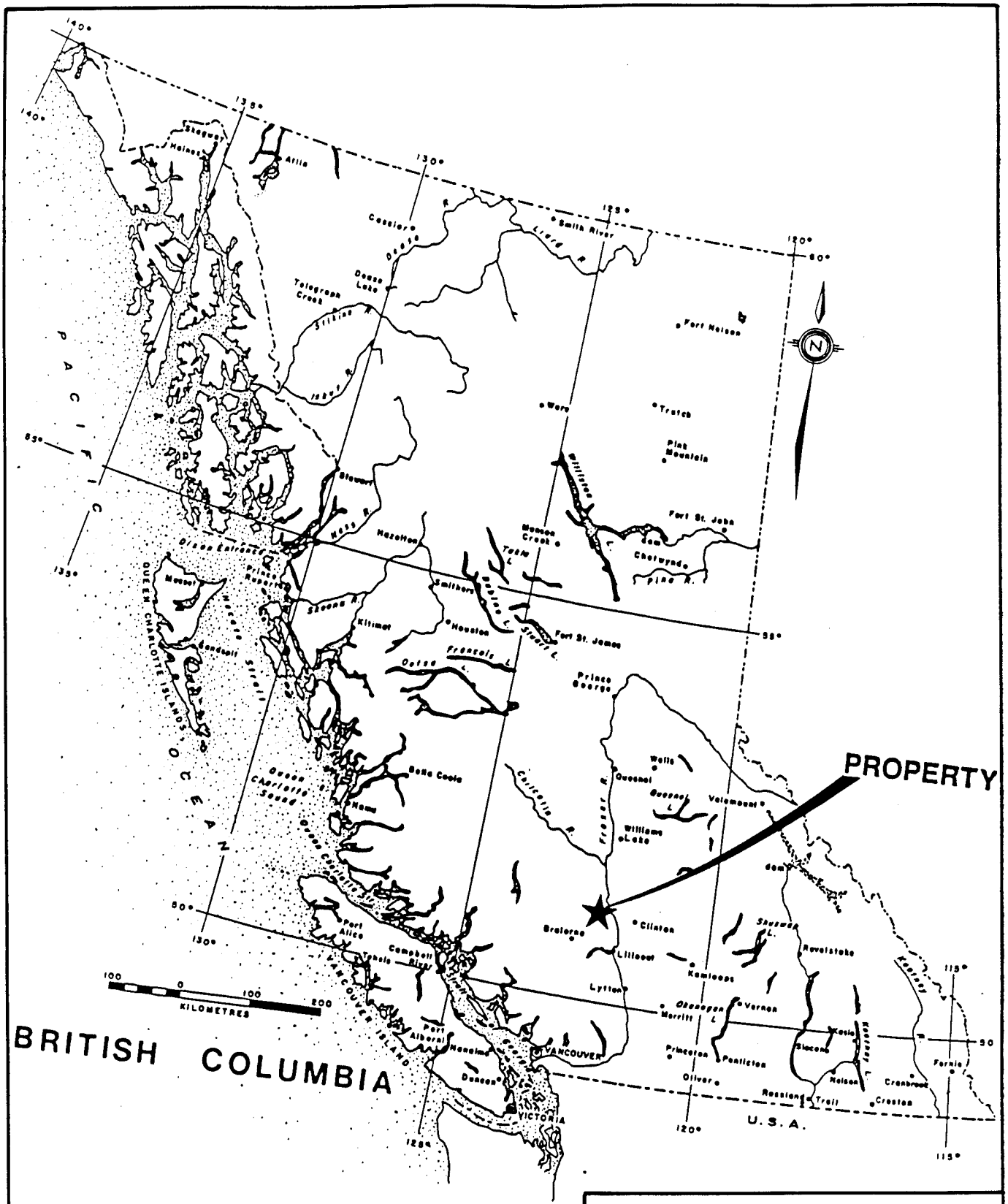
Ms. Karen D. Costello	Diamond Drill Geologist
Ms. Christel Evers	Cook
Mr. Dennis Froc	Camp Technician
Mr. Thomas H. Heine	Project Geologist/Project Manager
Ms. Suzanne Lee	Cook
Ms. Maria Leong	Cook
Mr. Duane Lucas	Project Manager
Ms. Melissa Paulse	Field Assistant
Mr. Donald Sergent	Field Assistant

In addition various personnel were employed from Ashworth Explorations Limited in order to assist with various parts of the project.

III. Location and Access

The Bobcat claims are located in the Camelsfoot Range on the Fraser Plateau, approximately 20 km west of the Fraser River and 70 km WNW of the town of Clinton (Figure 1). The claims are situated between latitudes 51 15' N and 51 19' N, and longitudes 122 31' W and 122 35' W. Their position can be located on N.T.S. map sheet 92 O/7 ("Churn Creek").

The centre of the Bobcat claims is about 5 km southwest of Blackdome Mountain (elevation 2253 m). The Blackdome Mine workings are located approximately 3 km northeast of the eastern boundary of the Bobcat II claim (Figure 2A).



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Property Location Map

Figure 1. Drafting by T.H. Heine November 1988

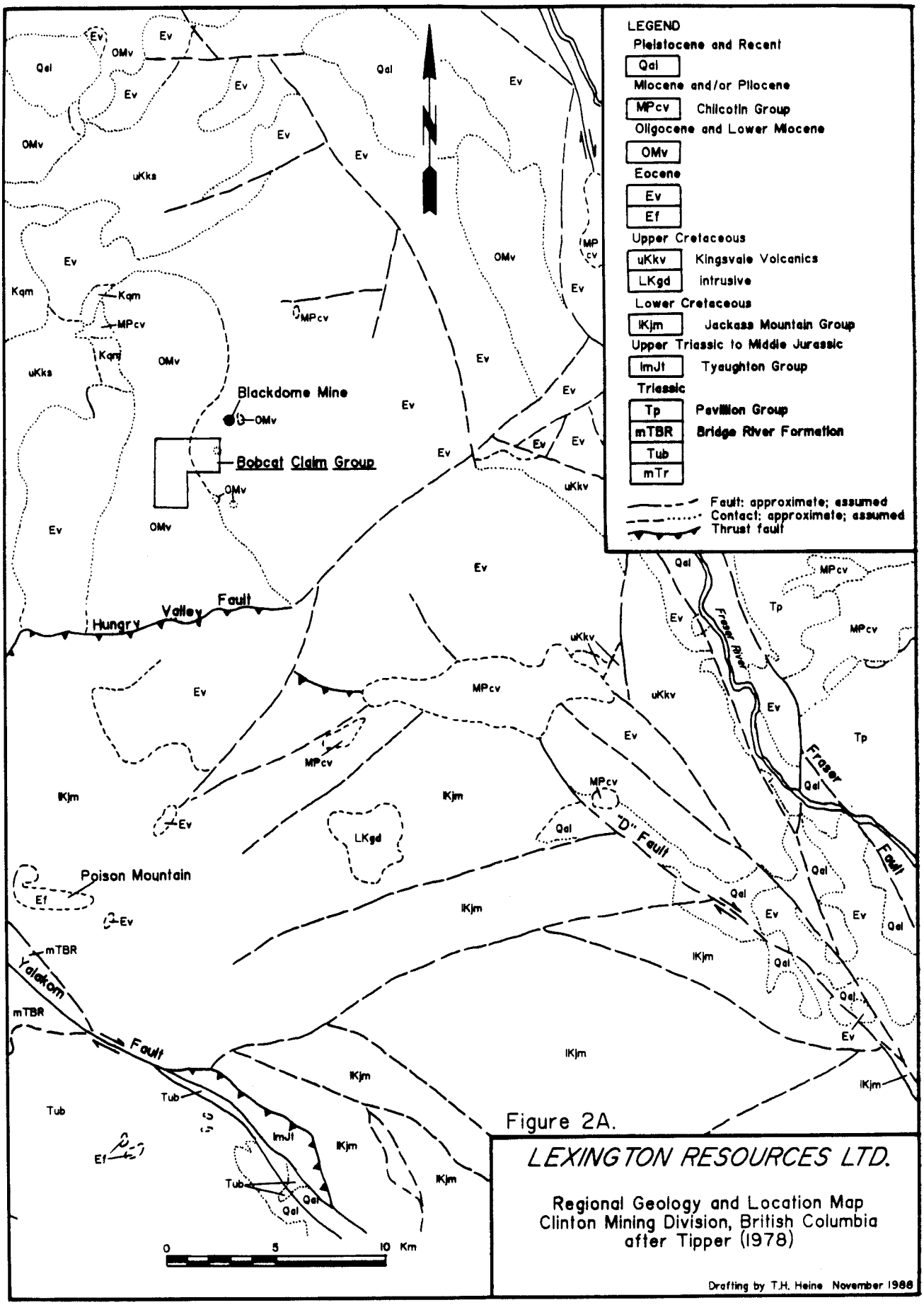

Figure 2A.

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Regional Geology and Location Map
Clinton Mining Division, British Columbia
after Tipper (1978)

Drafting by T.H. Heine November 1988

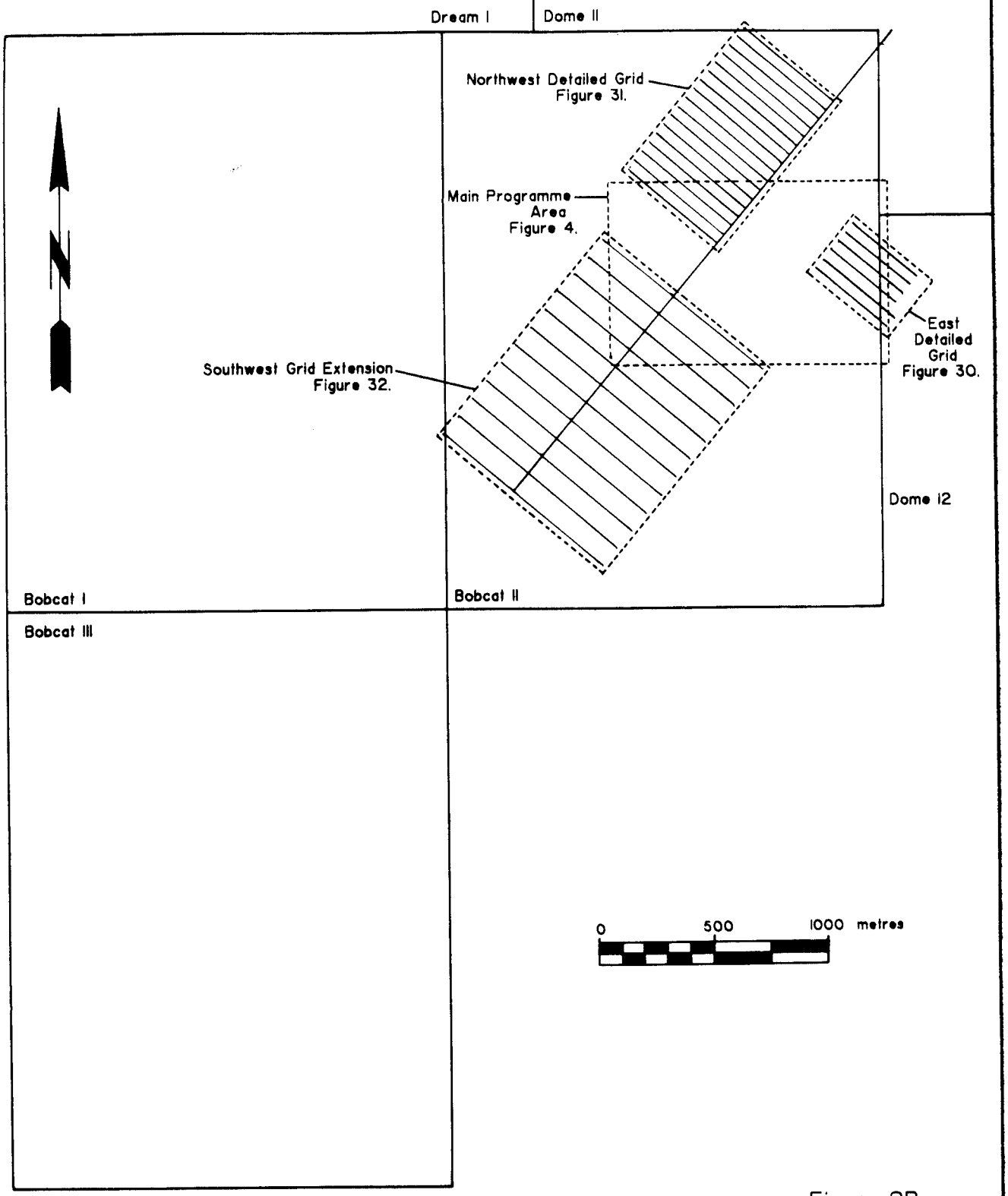

Figure 2B.

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Bobcat Project
Programme Location
and
Figure Location Map

Drafting by T.H. Heine November 1988

Elevations range from about 2040 m along the ridge in the southeast corner of the Bobcat II claim to about 1650 m in the valleys north and south of Bobcat I and III. The trenching and drill programme area is located in an area of alpine meadow just above the treeline, at an elevation of approximately 1950 m.

Access to the property is gained via an all-weather gravel road that runs west from provincial highway 97 about 17 km north of Clinton. This road crosses the Fraser River at the Churn Creek bridge, after which the Empire Valley Road is followed south to the turnoff to the Blackdome Mine. This all-weather road is approximately 32 km long, and is maintained by the Blackdome Mining Corporation. At the Blackdome mine site a 4-wheel drive road provides access to the project area, approximately 4 km distant.

IV. Previous Work

1. Pre-1986

The ground presently covered by the Bobcat claims was originally staked in 1980 as the Pony claims. Although these claims are located along the southwestern extension of the auriferous veins presently being exploited by the Blackdome Mining Corporation, they had never been prospected in detail.

In 1981, Mr. R. Dunn, owner/operator of the Pony claims, found anomalous gold values in heavy mineral samples obtained from creek bottoms. The location of where these samples were collected from is not known. Altered and silicified rock chips from float returned assays of up to 2010 ppb gold. These samples were found along the southwestern projection of the Blackdome vein systems, but their absolute location is not known with certainty.

In 1982, 23 soil samples were collected near the northwestern corner of the Pony claims. Three were strongly anomalous in gold (1180 to 2555 ppb), one moderately anomalous in gold (105 ppb), and two weakly anomalous in silver (Fipke and Capell, 1983).

In 1983, chip samples were collected along 6 traverse lines over the Pony claims. All 35 samples, consisting mainly of intermediate volcanic lithologies, returned only background values for gold (Capell, 1984).

The Pony claims lapsed in early 1986, and were restaked as the Bobcat I, II, and III claims by Mr. John Fleishman. The claims were subsequently sold to Lexington Resources Limited. Because witness posts had been used for the original Bobcat staking, the same claims were re-staked in the fall of 1986 by Ashworth Explorations Limited for Lexington Resources Limited.

2. 1986 Programme

A brief report and exploration recommendation for the property was made in 1986 (Sorbara, 1986), in which a two-phase programme was suggested.

The services of Ashworth Explorations Limited were employed

from 20 August to 6 September, during which time an initial examination of the Bobcat property was carried out. Most of the work was carried out along the eastern boundary of the Bobcat II claim adjacent to the Blackdome property. The programme consisted of prospecting, geological mapping, soil sampling, and geophysical surveys (VLF-EM and magnetometer). Analyses of the soil samples indicated a broad zone of anomalous values (including gold, silver, mercury, and base metals) occurring over an area "...at least 1.5 km long, along strike, and averaging 500 m wide." (Laanela, 1986; pp.18).

The VLF-EM survey revealed the presence of a number of weak conductors, one of which is coincident with some anomalous geochemical soil values. The magnetic survey undertaken over the claims is of no value as no diurnal corrections were made for the data collected.

3. 1987 Programme

The services of Ashworth Explorations Limited were again employed from 24 June to 8 July. The project concentrated on the Bobcat II claim, and involved establishing a new grid (baseline oriented at 040), geochemical soil sampling, a geophysical survey (VLF-EM), trenching, and trench mapping and sampling. The soil surveys indicated a number of areas showing anomalous mercury values. The trenching exposed several alteration zones comprising, in part, silicified areas and "highly altered and sericitized (areas)...containing disseminated pyrite in bleached silicified material." (Harrop and Scroggins, 1987; pp.33). Seven alteration zones (described as "veins" in the final report) are indicated, but the disposition or location of these zones was not indicated on the plan map provided in the report.

The results of the VLF survey were Fraser filtered, and show the presence of a number of weak conductive responses, generally trending parallel to the strike of the baseline.

V. Regional Geology

The Bobcat claims lie in an area that is underlain by rocks of Tertiary to Triassic age (Figure 2A). The oldest of these in the property area is the Triassic Pavilion Group, which outcrops on the east bank of the Fraser River approximately 16 km east of the claim group. Ultrabasic rocks of possible Triassic age have been mapped by Tipper (1978) along the Yalakom Fault, 30 km south of the property. These are underlain by rocks that have been correlated with the Lower Cretaceous Jackass Mountain Group and Upper Cretaceous Spences Bridge or Kingsvale Formations (Mathews and Rouse, 1984).

Overlying the Cretaceous strata are sediments, tuffs and flows of Eocene age. Near Blackdome Mountain, the rocks are composed of ignimbrites and possible ash-flow and lapilli tuffs, as well as volcanic flows and debris flows, all ranging in composition from andesitic to rhyolitic. The entire sequence of

sedimentary and volcanic rocks has been correlated with the Kamloops Group, which occurs many kilometers to the south and east of the Bobcat claim group area (Duffell and McTaggart, 1952; Ewing, 1981; Mathew and Rouse, 1984). Unconformably capping the Eocene rocks are basalt flows of Early Miocene or Late Oligocene age (Church, 1980).The stratigraphic column for the Blackdome area is summarized in Figure 3.

Major and trace element investigations of the Eocene rocks show that they are derived from a calc-alkaline magma emplaced in a volcanic arc setting (Rennie, 1988). Eocene quartz monzonite stocks at Poison Mountain, 22 km southwest of Blackdome Mountain, host an auriferous porphyry copper-molybdenum deposit, and may represent the source magma of a volcanic system similar to the one that was the source of some of the the rocks in the Blackdome area.

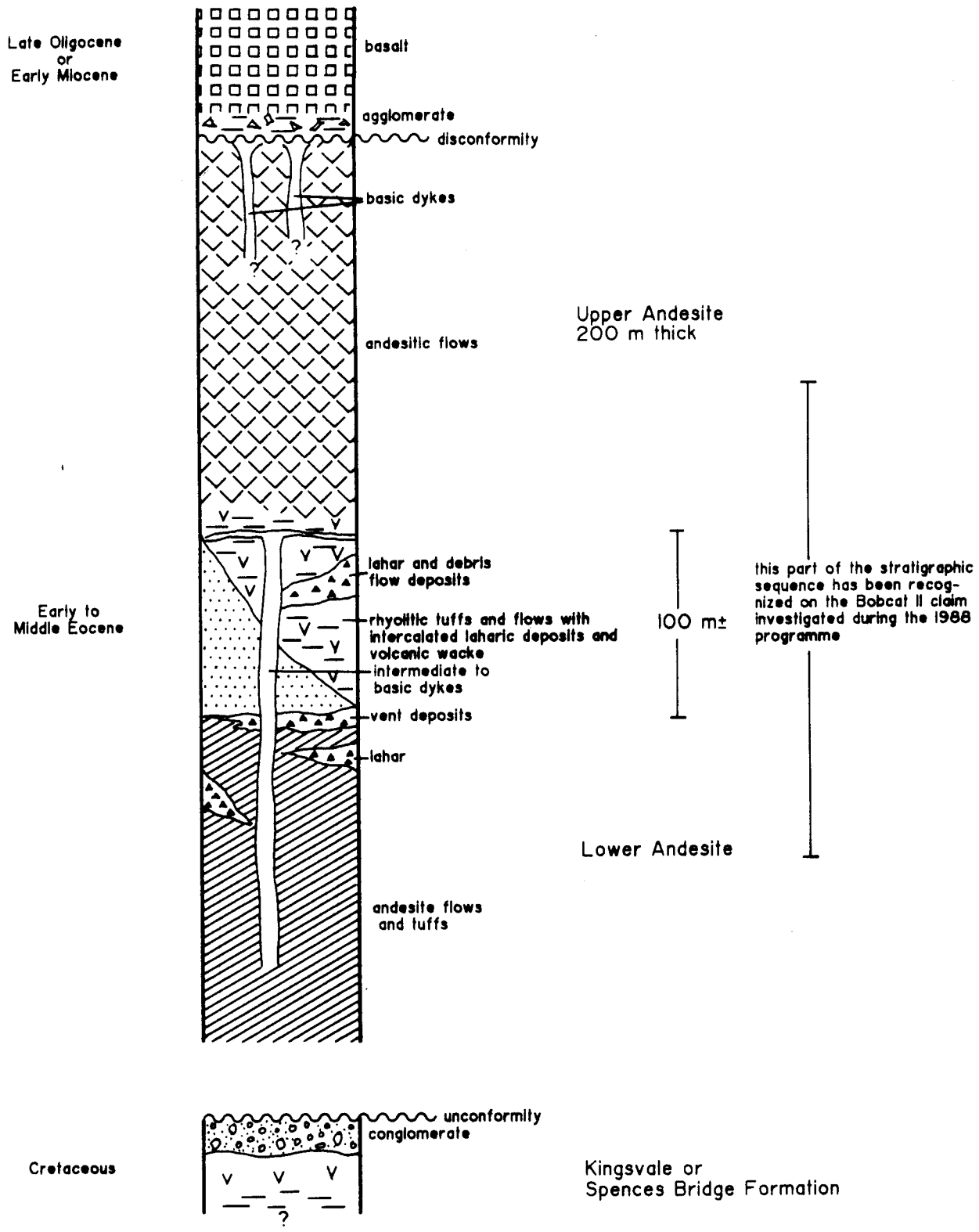
The region is transected by four major fault zones: the Fraser, "d", Hungry Valley and Yalakom faults (Trettin, 1961; Tipper, 1978). The Fraser Fault lies to the east of the property, and is followed by the Fraser River. The "d" Fault is a northwesterly-striking branch of the Fraser Fault that has undergone an unknown amount of strike-slip displacement. It is related to the Hungry Valley Fault, a thrust along which Lower Cretaceous sediments have been emplaced over Upper Cretaceous and Tertiary rocks. Further to the south is the Yalakom Fault, a right lateral strike-slip northwesterly-trending splay from the Fraser Fault. It roughly parallels the Hungry Valley Fault.

Several minor faults have been mapped by Tipper (1978) and are probably related to the above structures.

VI. Exploration Model and Philosophy

The model most appropriate to use for the Bobcat claim group is the typical one for epithermal type precious matals deposits, outlined by numerous authors including Buchanan (1981), Panteleyev ( ), and White (1981). This model has been applied to the genesis of the Blackdome deposit (Rennie, 1988), a short distance to the northeast of the Bobcat claim group.

The following characteristics of epithermal precious metal deposits have been outlined by Panteleyev (op. cit.). They are formed near the surface in terranes where extensional tectonics are prevalent. Ore and associated minerals are deposited dominantly as open space fillings, and commonly show banded, crustiform, vuggy, drusy, colloform, and cockscomb textures. The mineralization occurs from surface to a maximum depth of about 1000 metres. The vertical range of ore averages about 350 metres, and rarely exceeds 600 metres. Ore zones bottom out in barren rock or pass downward into subeconomic zones containing base metal sulphides. The ore is usually hosted by quartz and calcite-bearing veins, with lesser fluorite, barite, and pyrite. The veins can flare and branch upward into wedge-like or cone-shaped features, and at surface broad zones of argillic alteration can predominate. Breccia zones and stockworks also occur within the hydrothermal system. Gold and silver are presently the main metals being exploited from these deposits, but there is often an enrichment in Hg, As, Sb and rarely Tl, Se, and Te. The zones of



LEXINGTON RESOURCES LTD.

Stratigraphic Column of the
Blackdome Area
(after Rennie, 1988)

Drafting by T.H. Heine November 1988

Figure 3.

enrichment shown by these elements is often separate from the precious metal mineralization, reflecting the differing physico-chemical conditions of the particular hydrothermal system that transported these elements.

The ore in the Blackdome gold-silver mine is hosted by epithermal quartz veins and breccias emplaced along steeply west-dipping, northeasterly striking fault zones in Eocene volcanic rocks and sedimentary equivalents. These rocks have been sheared, hydrothermally altered, and strongly silicified. The gold occurs as fine to medium grained disseminations, and is associated with electrum, acanthite, aguilarite, silver sulphosalts, pyrite, covellite, chalcocite, arsenopyrite, sphalerite and galena. Ore shoots range from 12 to 70 metres in strike length, up to 80 metres vertically, and are up to 3.5 metres thick (Rennie, 1988). There is very little clay associated with the veins in the main part of the Blackdome workings.

The Watson vein, a mineralized structure discovered in 1987 adjacent to the eastern boundary of the Bobcat II claim, is different from the main veins presently being exploited. The mineralization is hosted by a clay-cemented quartz breccia. The character of this structure appears to be identical with some of the alteration zones observed in the trenches mapped during the course of the present programme. Its relation to the quartz-dominated structures to the northeast has not been established.

A review of the work undertaken on the Bobcat claim group prior to the 1988 field programme, and a literature survey on articles published about the Blackdome mine, indicate that there are few exploration methods that are applicable to defining drill targets for detailed investigation. Geophysical surveys (magnetic and VLF-EM) conducted over the Bobcat claims did not delineate any detailed target areas, although a review of the methodology used to conduct these surveys indicates that they were either not properly executed, or the parameters used were not appropriate to the survey type.

Overburden geochemistry, particularly for mercury and gold, appears to be the most useful method for identifying prospective areas for more detailed investigations at this point. The B soil horizon is the most suitable sampling medium because of the immature nature of the surficial cover.

Once prospective areas have been delineated by geochemical means, the source of the anomalous elements has to be identified. In the case of the present programme this was accomplished most efficiently by trenching across the strike of the response using a backhoe. Detailed mapping and sampling the trench allowed the probable source of the geochemical anomalies to be identified.

With the delineation of alteration zones (in the case of this project, these consisted mainly of areas of intense argillic alteration with occasional silicified zones) and their geochemical characteristics, it was possible to prioritize specific zones or parts of zones into areas that appeared to have more economic potential than adjacent ones, and further evaluation could be undertaken. Thus the first phase of the exploration programme on the Bobcat II claim was completed.

In most epithermal precious metal-bearing deposits described to date, there is a well defined zoning to many of the

constituents to these systems (Buchanan, 1981; Panteleyev,). Thus it becomes important to know at what level the rocks affected by a particular fossil hydrothermal system are exposed at in order to come to some estimation as to the potential of these altered areas for containing precious metal mineralization. If the level of erosion has been too deep, any orebody may no longer be present.

The second phase of the programme consisted of diamond drill testing of several areas of alteration zones that were judged to have particular merit, based on elevated mercury values (often in excess of 5000 ppb) and the presence of silicified zones and quartz veins. The holes were generally designed to test the down-dip extrapolations of the alteration zones approximately 100 metres and, if the the geological characteristics warranted it, 150 to 175 metres below surface. A discrete quartz vein/silicified zone was tested at 50, 75, and 100 metres below surface.

The main objective of the drilling phase of the programme was to determine what part of the hydrothermal system was represented by the altered areas intersected, and if deeper parts of these alteration zones were indeed auriferous.

VII. 1988 Programme

1. Phase I.

a. Trenching

Trenches were excavated late in 1987 and during the course of the 1988 programme. Funk Brothers Excavating was contracted to do all of the work using a Caterpillar 235 excavator.

The locations of all the trenches is indicated in Figure 4, and important statistics for them are presented in Table 1. Prior to the start of the 1988 trenching, the existing trenches were examined and the locations of the areas of intense argillic alteration and silicified zones exposed in them were outlined. New trenches were located in altered areas extrapolated from known ones.

Additional trenches (TR-88-14 and -15) were excavated in an area that showed anomalous mercury-in-soil values in an effort to determine the source of these values.

The trenches average 2 metres in width, and range from 1 to 8 metres in depth. The quality of the exposures in the trench walls was quite variable, but was generally very good in the areas of intense argillic alteration. The 1987 excavations generally had a poorer quality of exposure than the more recent trenches, due mainly to overburden materials being washed over the rock exposures. Trench TR-88-02 was cleaned along its entire length at the start of the programme because of this. An attempt was made to expose bedrock in trench TR-88-12 but this proved to be unsuccessful. Only a few pieces of white clay were noted on the spoil heap from the excavation and may represent material from an underlying alteration zone.

Trench Number	Excavated	Total Length	Intervals Backfilled
TR-88-01	1987	954 m	1+75 to 3+00 W.; 3+50 to 3+75 W.; 3+85 to 5+25 W.
TR-88-02	1987, 1988	406 m	0+00 to 0+50 W.; 1+75 to 2+50 W.
TR-88-03	1987	33 m	
TR-88-04	1987	120 m	
TR-88-05	1987	93 m	0+58 to 0+93 W.
TR-88-06	1987, 1988	63 m	
TR-88-07	1988	92 m	
TR-88-08	1988	95 m	
TR-88-09	1988	65 m	
TR-88-10	1988	82 m	
TR-88-11	1988	66 m	
TR-88-12	1987, 1988	68 m	
TR-88-13	1988	45.5 m	
TR-88-14	1988	193 m	
TR-88-15	1988	204 m	
TOTAL EXCAVATED		2579.5 m	
TOTAL BACKFILLED			450 m

Table 1. Trenching statistics for the 1988 programme, Bobcat Project, Bobcat II claim.

b. Geological Mapping

All of the trenches were examined and the altered areas were mapped at a scale of 1:200. These altered areas were sampled in detail for geochemical analysis, and this part of the programme is described separately below. The areas of the trenches that were mapped in detail are indicated in Figure 4, and the geological maps are presented in Figures 5A to 29A. Symbols usedin the figures and geologic maps are outlined in Table 2. The compass declination was set at 22^{o} east. Survey points were established with a chain, and pickets were put in at convenient intervals. End and intermediate points were surveyed in by Kidston and Hemingway between 10 and 14 August.

The main focus of the mapping portion of this programme was to define alteration zones, and less attention was paid to subdividing the primary lithologic assemblage present on the property. Thus most of the unaltered rocks mapped are indicated as dacites (Unit 1 on the geological maps). This should be used solely as a compositional term and does not have a genetic connotation. The geological units numbered on the geological maps are described in Table 3.

Fresh-looking rocks are grey-green to olive green in colour, fine grained, and are generally porphyritic, with phenocrysts occupying 10 to 20% of the rock volume. The phenocrysts comprise feldspar, quartz, and dark green to black mafic minerals (amphibole ?). Feldspar is the most common phenocryst, occurring

as lath-shaped euhedral grains to 1.5 mm long. They are white and are often at least partially altered to calcite. Quartz occurs as

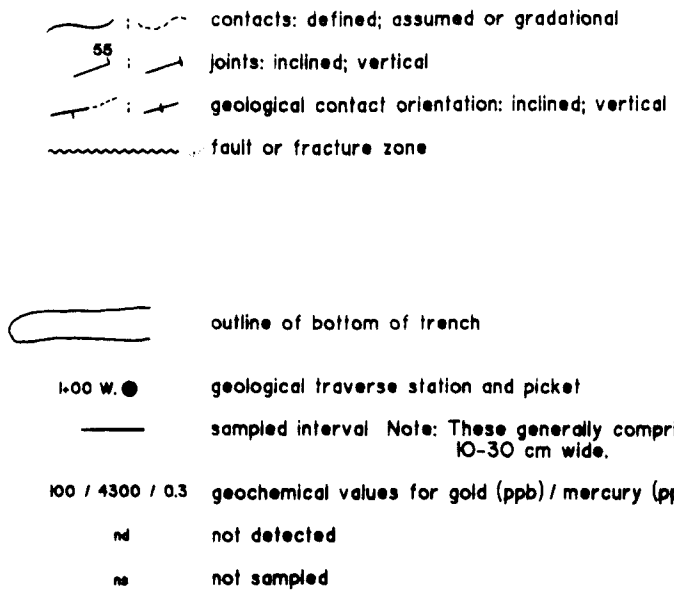


Table 2. Symbols used for geological and geochemical sampling maps.

rounded subhedral grains, averaging 1 mm in diameter. Mafic phenocrysts are an occasional constituent, occurring as subhedral to euhedral hexagonal grains to 1 mm in diameter.None of the phenocrysts show a preferred alignment.

The groundmass is fine grained and probably consists of an aggregate of feldspar grains. Pyrite is a very common accessory, comprising trace amounts up to 3% of the rock. It is probably the source of limonite commonly observed on joint surfaces.

The rocks are generally very well jointed, this being the dominant structural element observed in exposure. There is the suggestion that the areas of intense argillic alteration are controlled to some extent by a northeast-trending joint set. Narrow shear zones are also locally present.

Primary depositional features such as bedding or layering are not well developed, although possible primary bedding is suggested in a number of areas.

The types of alteration can be broadly classified into three main types: propylitic alteration, intense argillic alteration and silicification. Because of their potential economic significance, the latter two will be discussed separately.

Propylitic alteration has affected most of the rocks to varying degrees. This is manifest mainly by the replacement of feldspar phenocrysts by calcite, and is strongly suggested in a number of areas by very calcareous intervals. In the latter case the calcite is most likely present as fine grained intergrowths

or replacements of matrix minerals. Another indicator of widespread propylitic alteration is the presence of epidote as

Unit 1	fresh undifferentiated volcanic flows and volcaniclastic sediments -medium to dark green, medium grey -very competent, generally very well jointed -commonly porphyritic, showing feldspar laths, quartz grains, and/or mafic miner mineral crystals -common accessory pyrite to 2% -joint sets are often coated with limonite -often shows propylitic alteration effects: feldspars replaced by calcite; thin epidote stringers; minor chlorite-coated joints
Unit 1A	bleached intensely altered rock -alteration is pseudomorphous, with minor and major textures well preserved -all non-silica minerals altered to phyllosilicates -common clay, generally as seams parallel to joints -occasionally shows *in situ* brecciation with clay matrix, but lithic fragments are *not displaced or rotated* -contacts with Unit 1 are sharp, planar to very undulatory, to gradational over approximately 1 metre
Unit 2A	grey clay with lithic fragments -clay is commonly pyritic, with pyrite to 6% as small (0.1 to 0.5 mm) crystals enclosed in clay -angular to subrounded lithic fragments often show very little contrast to the enclosing matrix, and are themselves intensely altered -planar structural elements are present but are generally poorly developed or preserved
Unit 2B	limonitic clay to sandy limonitic clay -pale light brown to intense dark red-brown -common limonitic friable lithic fragments and patches -jointing is occasionally preserved -limonitic character is result of oxidation of pyrite
Unit 2C	grey clay with occasional light to medium brown limonitic patches -lithic fragments are often present but comprise less than 20% of unit -common euhedral pyrite grains to 0.5 mm in size can make up to 5% of unit -clay is plastic -slickensided planes are rarely developed
Unit 2D	intense pseudomorphous argillic alteration -medium to light grey -lithology is crumbly to plastic, but original texture is preserved -alteration is *in situ* and no brecciation is noted
Unit 3A	area of intensive silicification -often closely associated with areas of intense argillic alteration -get quartz patches, stringers, and vuggy areas lined with quartz crystals
Unit 3B	quartz vein

Table 3. Lithologic units used on the geologic maps and sections, 1988 programme, Bobcat project.

thin stringers and, rarely, as grain and grain masses to 2 mm in diameter. Chlorite is also sometimes present as fracture coatings, and is usually limited to areas immediately adjacent to zones of intense argillic alteration. Some of the mafic phenocrysts may also be altered to chlorite. The extent and intensity of the propylitic alteration is difficult to assess in the field because of the fine grained character of the alteration products.

Limonite (undifferentiated iron oxides) is a common alteration product occurring as joint coatings on fresh lithologies, and as patches and irregular masses in areas of strong argillic alteration. It appears to be mainly a recent product, formed as a result of oxidation of pyrite by surficial waters.

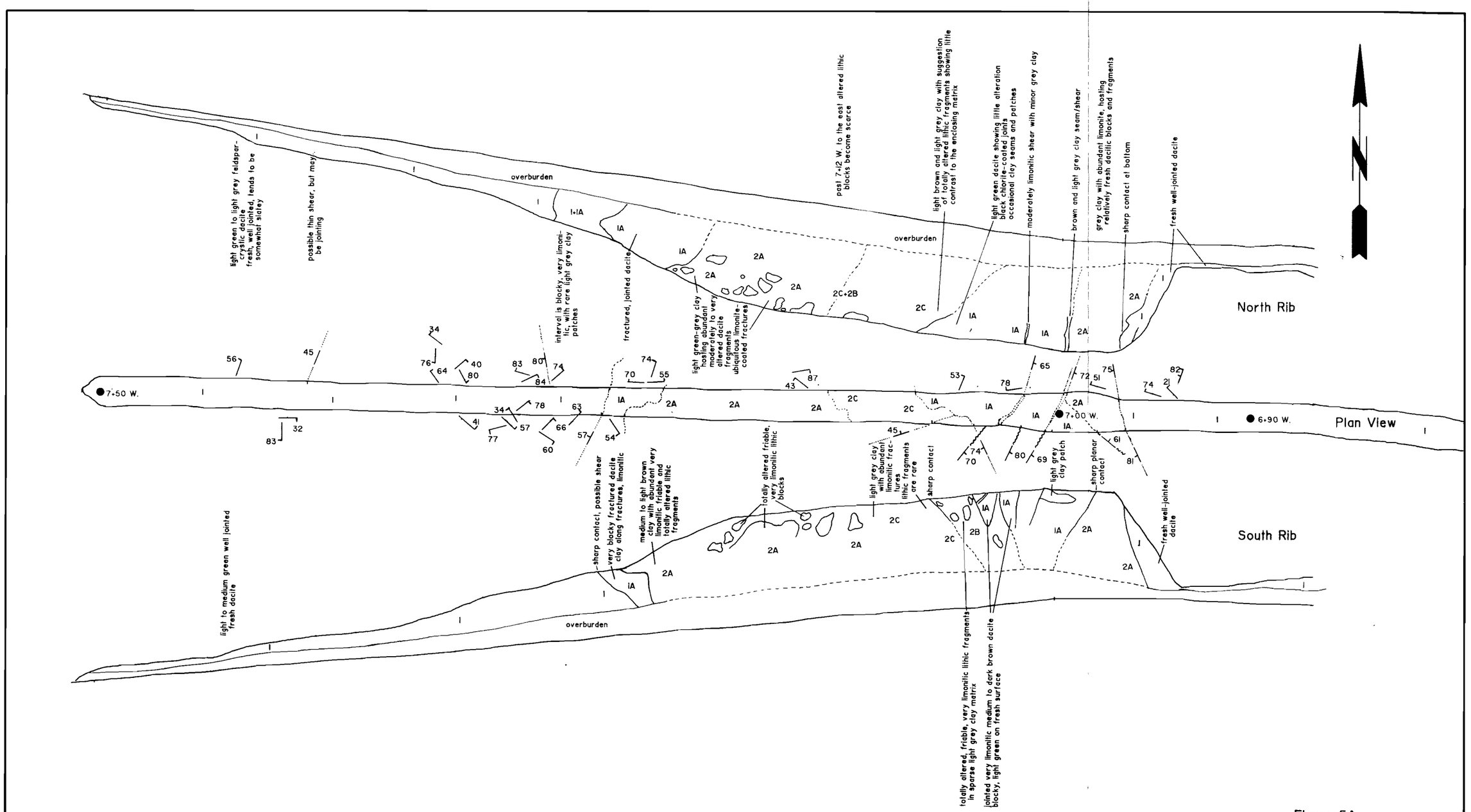


Figure 5A.

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Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine November 1988

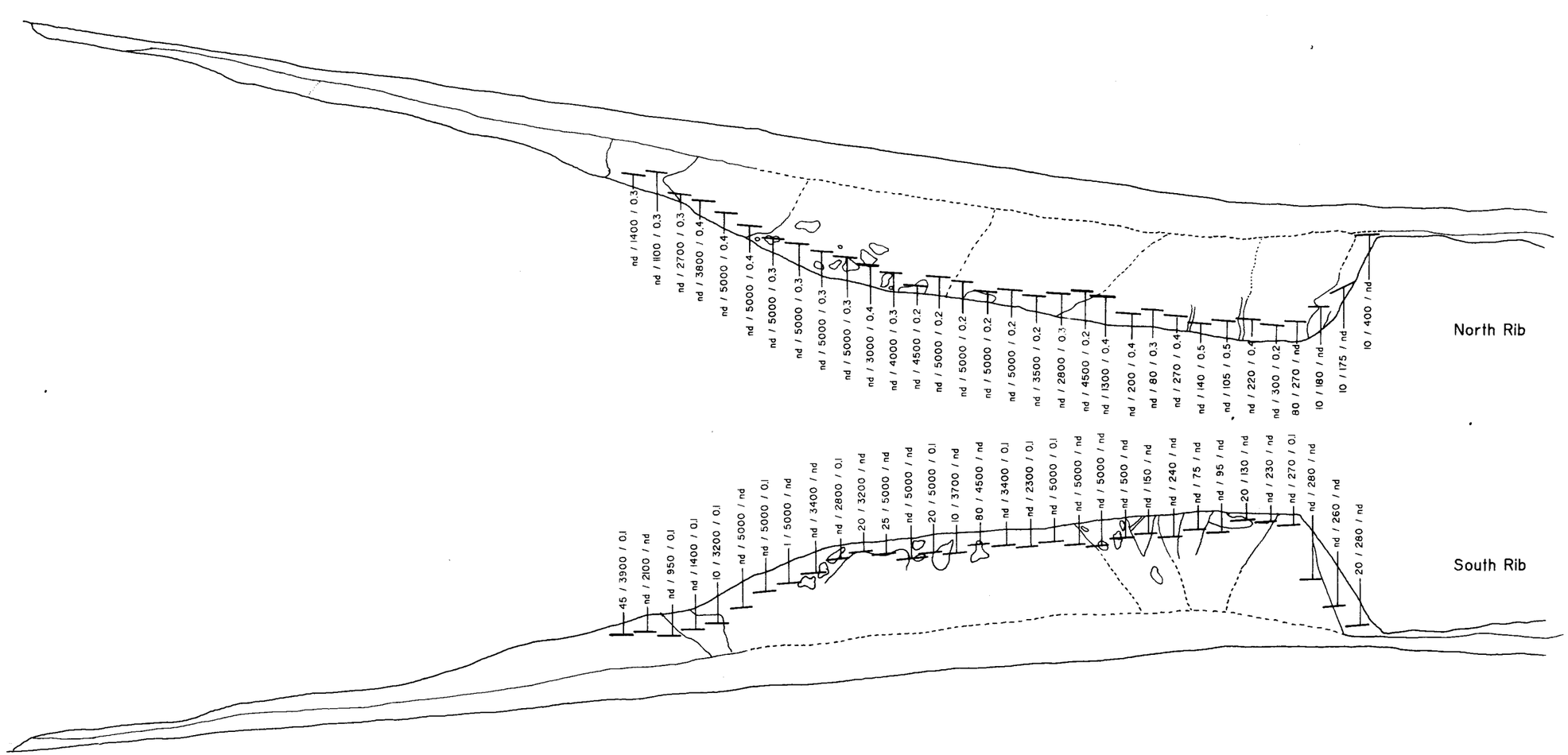


Figure 5B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine November 1988

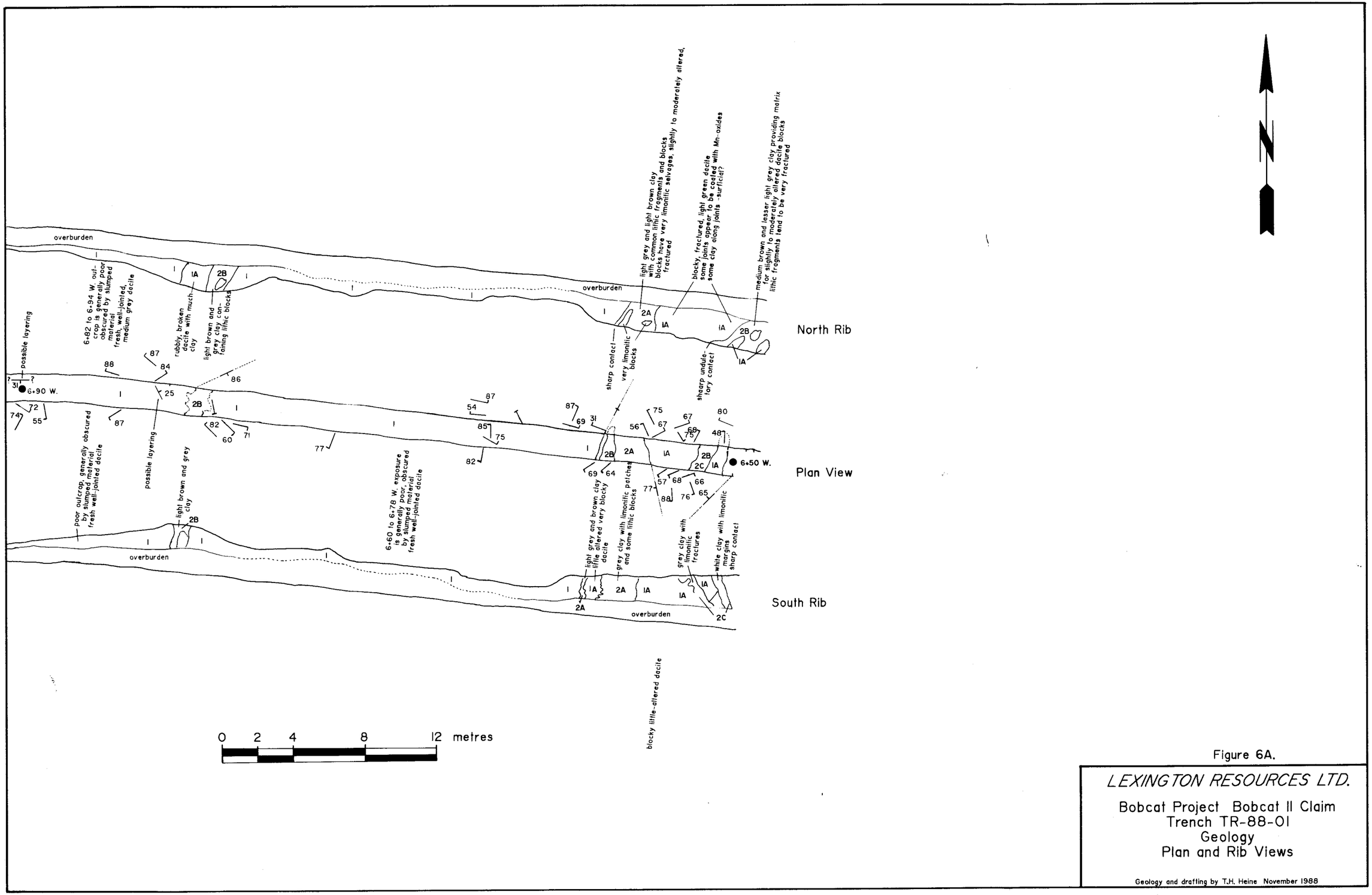


Figure 6A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine November 1988

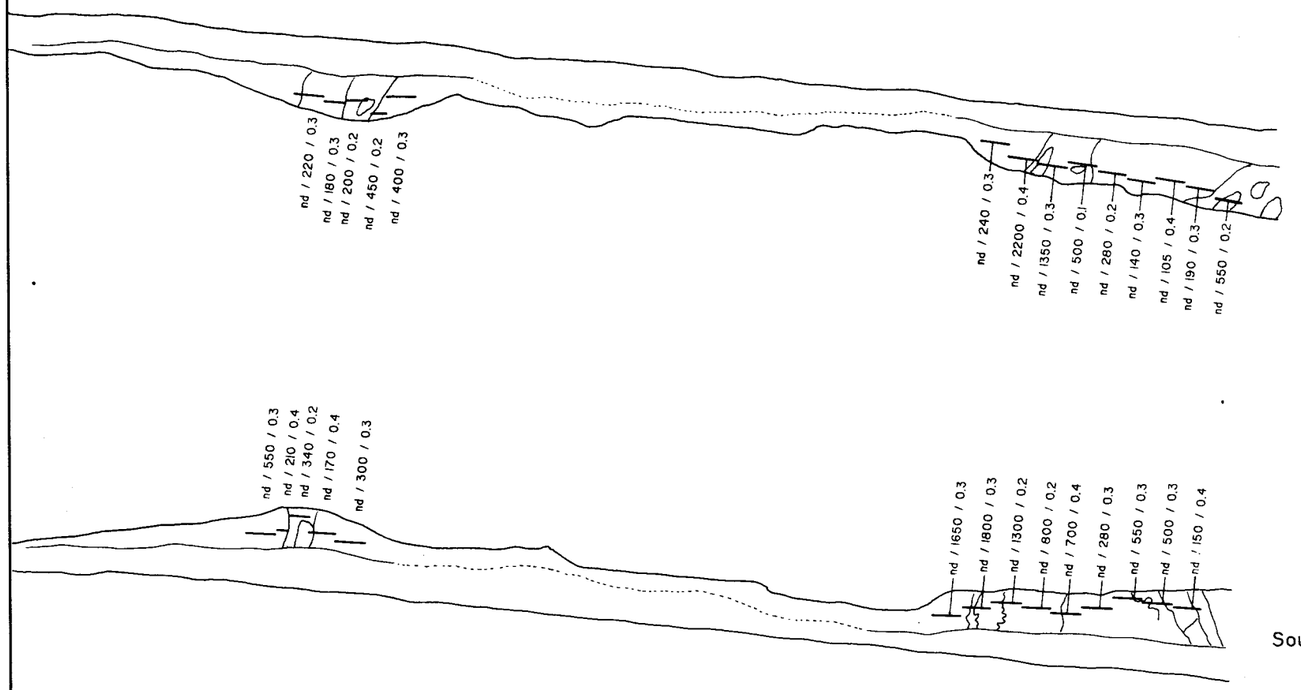


Figure 6B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine November 1988

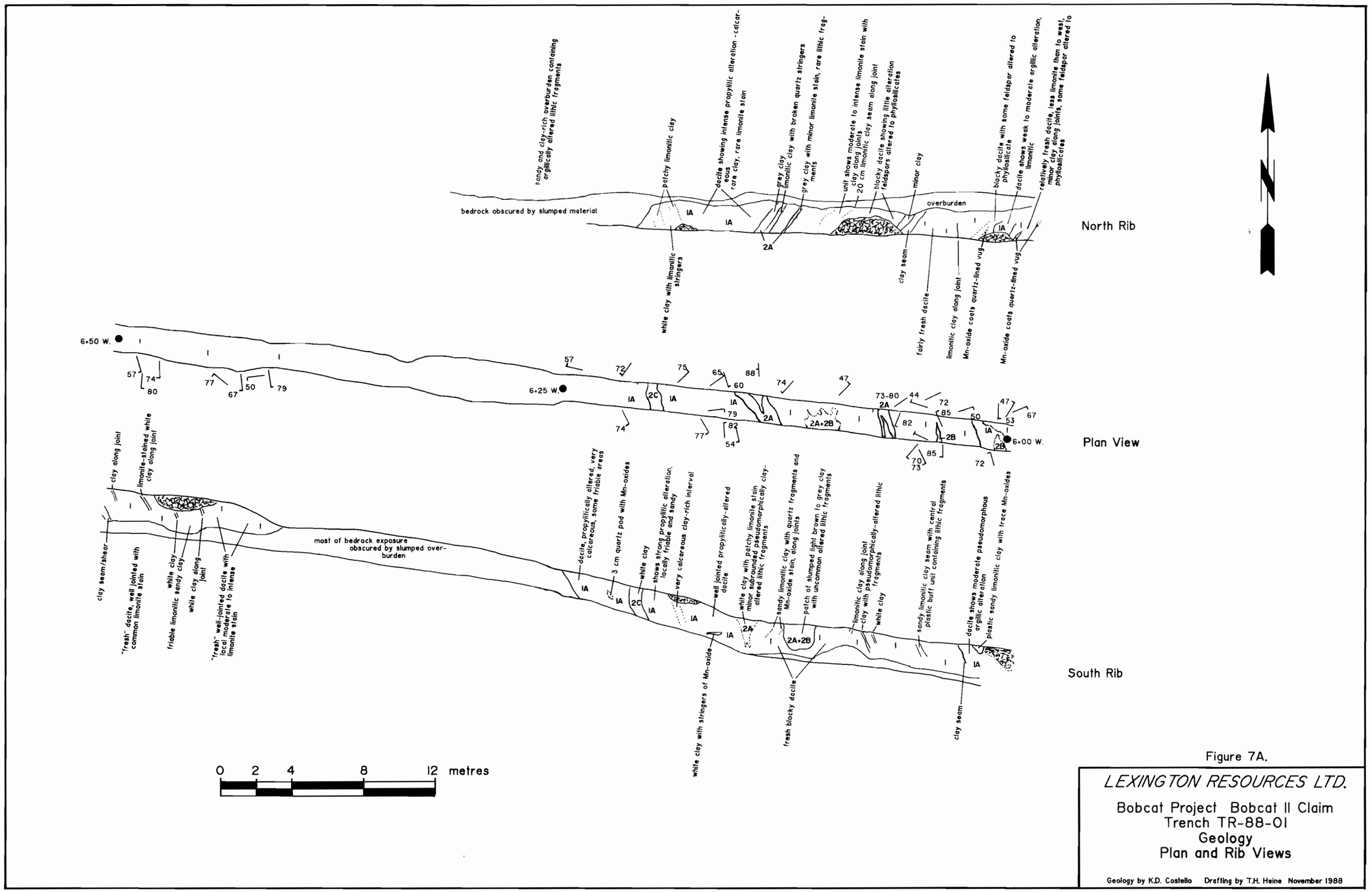
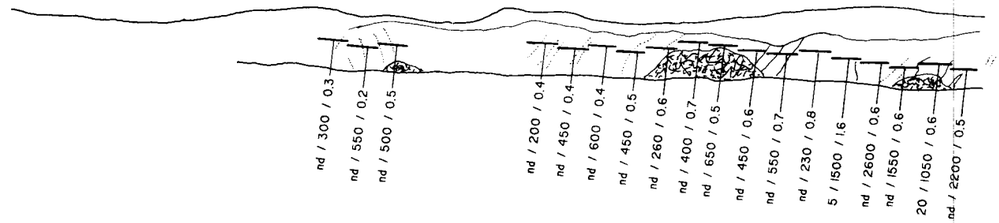


Figure 7A.

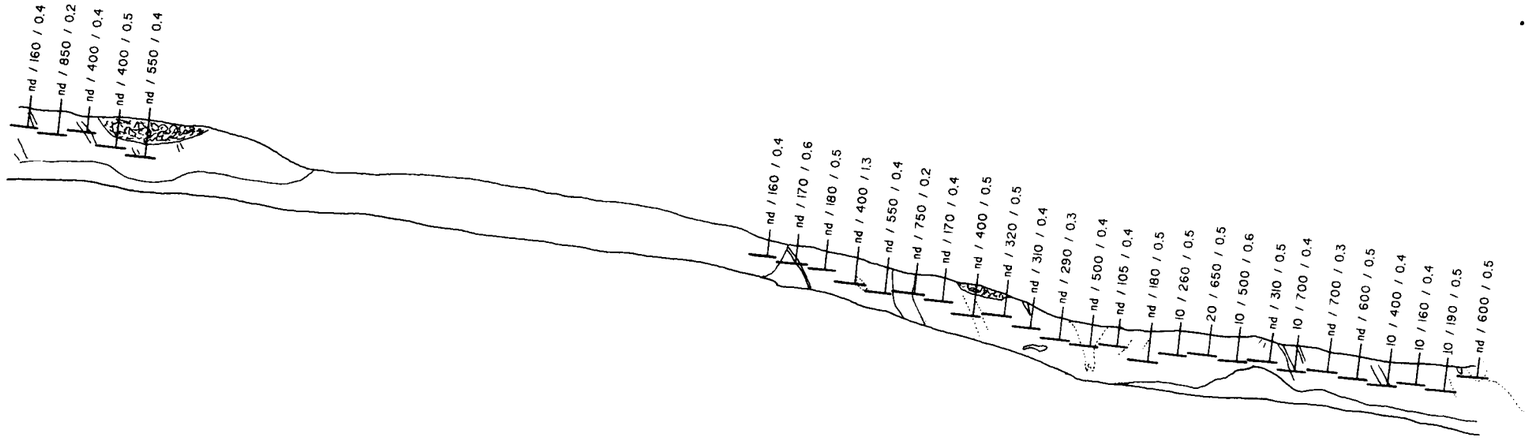
LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine November 1988



North Rib



South Rib

0 2 4 8 12 metres

Figure 7B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine November 1988

North Rib

overburden

common limonitic clay seams along joints in limonitic dacite

sandy limonitic clay with lithic fragments

rock is bleached, commonly limonitic abundant clay along joints

pale orange limonitic interval

limonitic dacite with clay along joints

overburden and slumped material

clay seam

blocky fairly fresh dacite with minor limonitic clay along joints

sandy limonitic clay cross-cuts joints

fairly limonitic

grey clay

limonitic clay seam

clay seams along joints

occasional quartz stringers here and there limonitic dacite block in clay

common broken quartz veins and veinlets to 6 cm wide

area shows patchy limonite stain and remnant dacite blocks hosted by clay matrix

area shows extensive slumping and collapse light lime green clay containing lesser altered lithic and common quartz fragments

limonitic pale grey dacite, trace to 1% pyrite, very limonitic on joint surfaces intensely limonitic and siliceous centre zone, marks increase in amount of clay to the west

friable sandy clay seam, limonitic to pale grey-green

limonitic clay seam at contact

blocky dacite with trace to 1% pyrite

Plan View

6+00 W.

5+75 W.

5+50 W.

South Rib

sandy limonitic clay with trace Mn-oxides

white clay with lithic fragments

limonitic clay with lithic fragments

weakly altered dacite trace Mn-oxides coating joints rare quartz lined vugs

light grey clay with trace to 1% pyrite

clay seam

small clay seam splaying from main seam

broken quartz vein in clay seam along joint

slump material contains quartz fragments to 3 cm in diameter in clay matrix

intensely clay-altered interval containing angular relict lithic blocks and siliceous material, and occasional broken quartz veinlets and veins to 7 cm wide occasional limonitic patches

overburden and slumped material

overburden-bedrock contact often not well defined or exposed due to slumping

joint with clay

2-3 cm limonitic clay seam

limonitic clay seam

0 2 4 8 12 metres

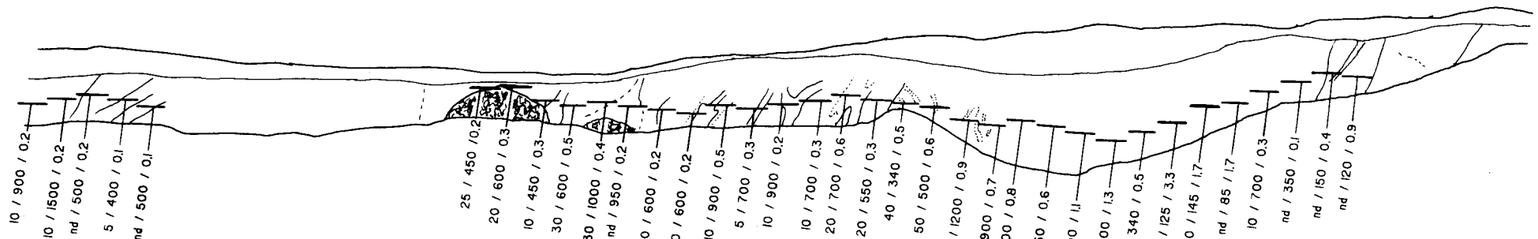
Figure 8A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988

North Rib



South Rib

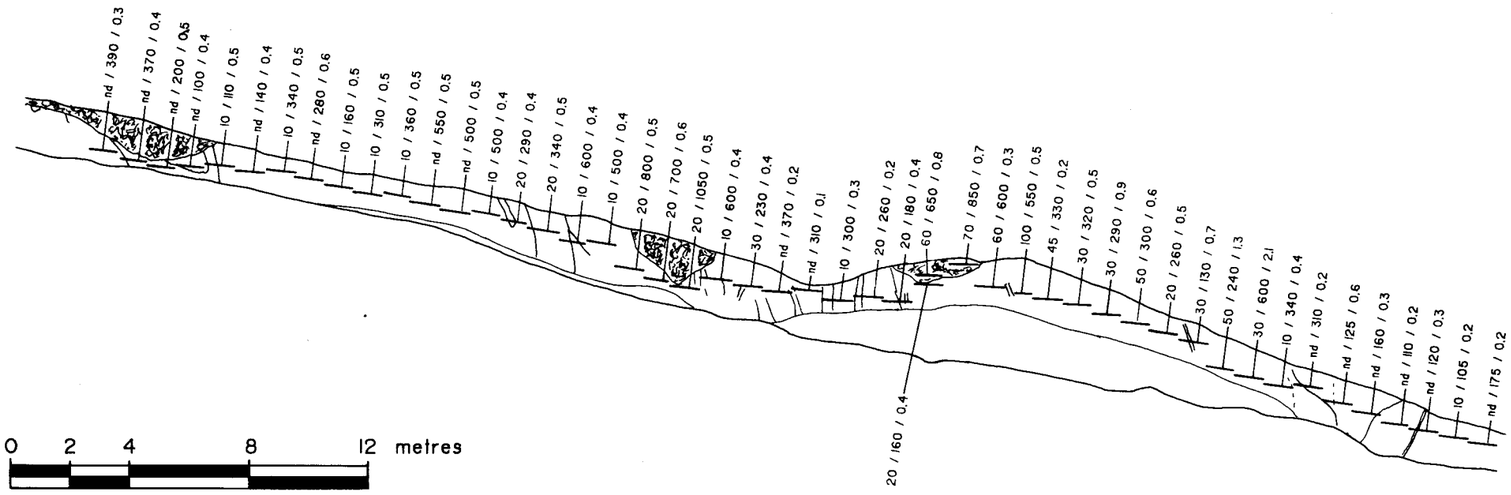
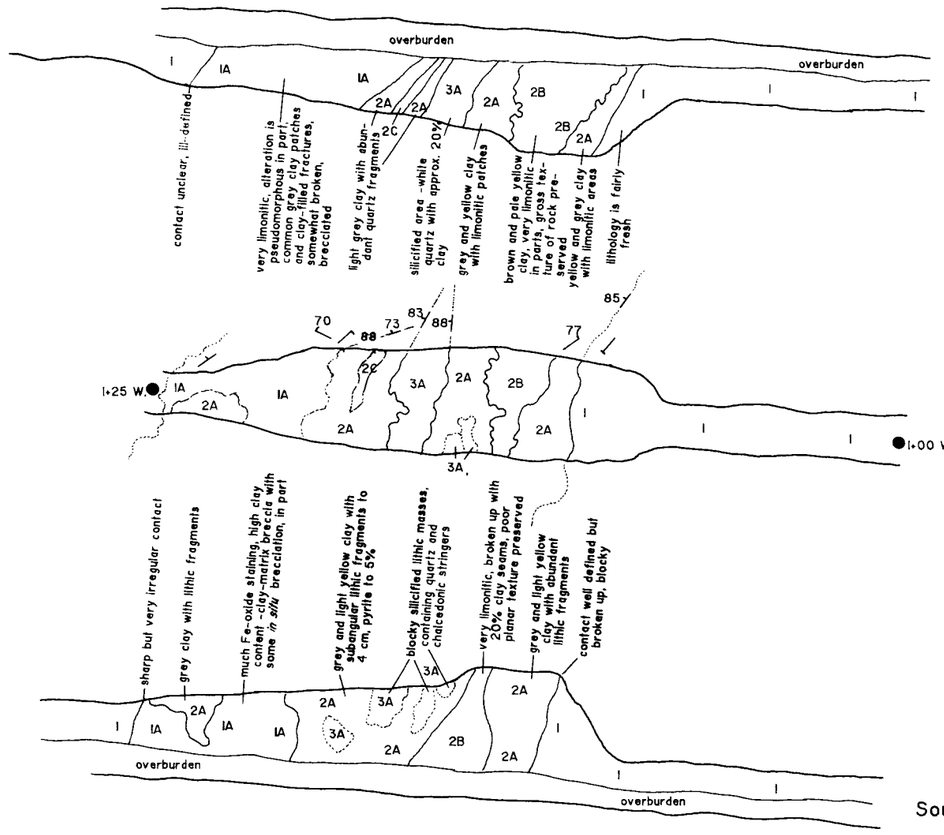


Figure 8B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988



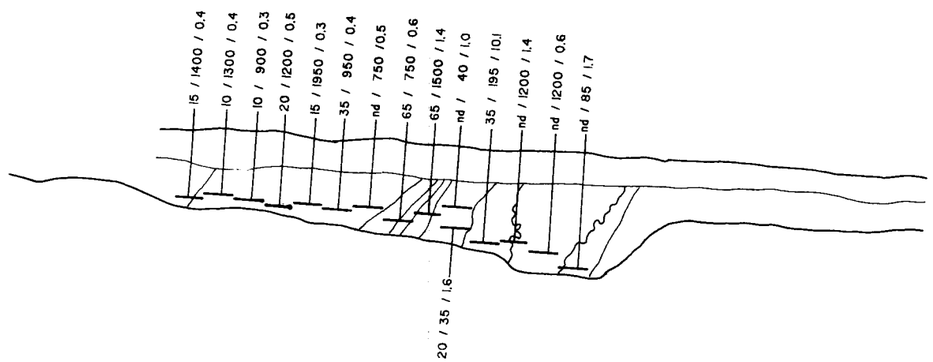
0 2 4 8 12 metres

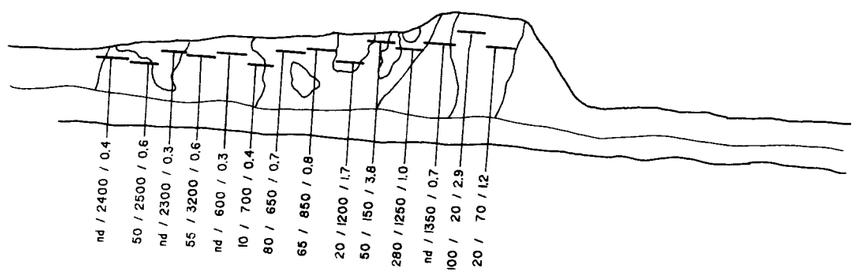
Figure 9A.

LEXINGTON RESOURCES L TD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine October 1988





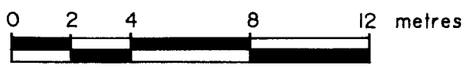


Figure 9B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

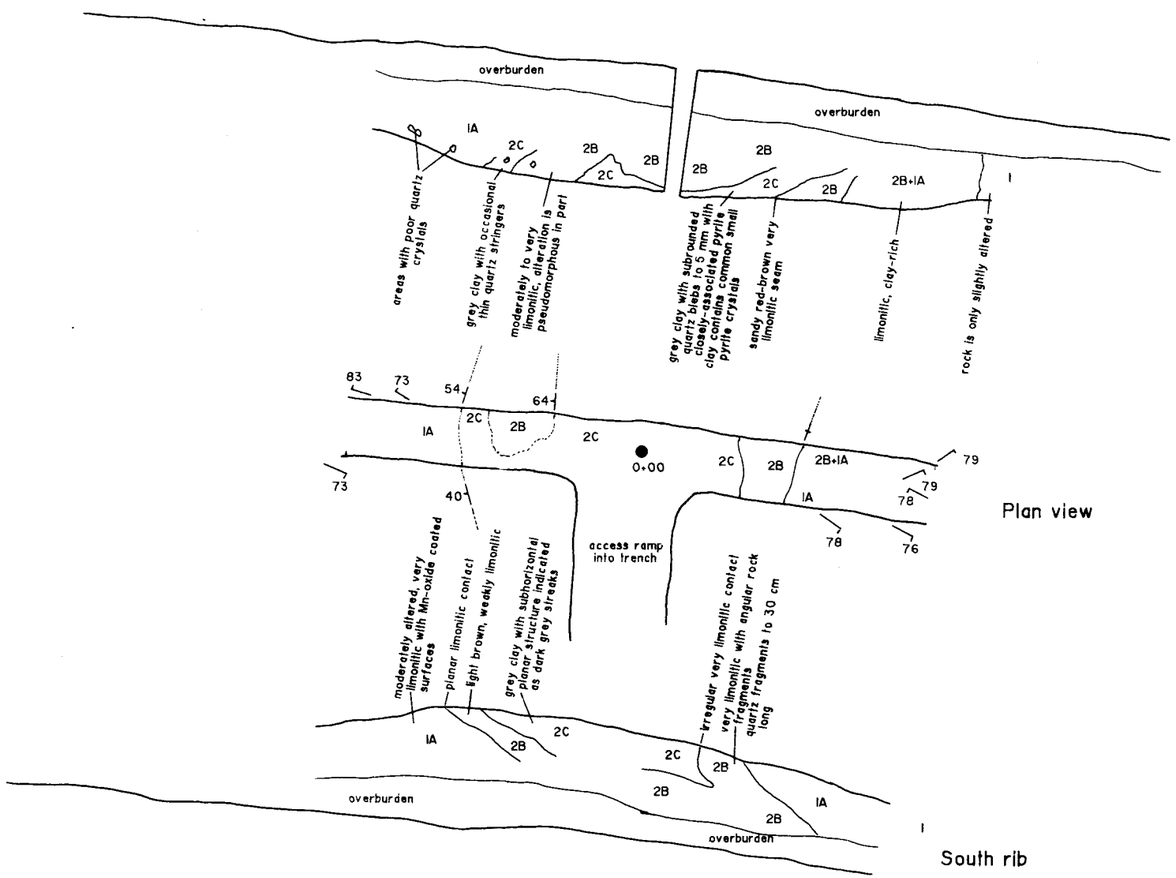
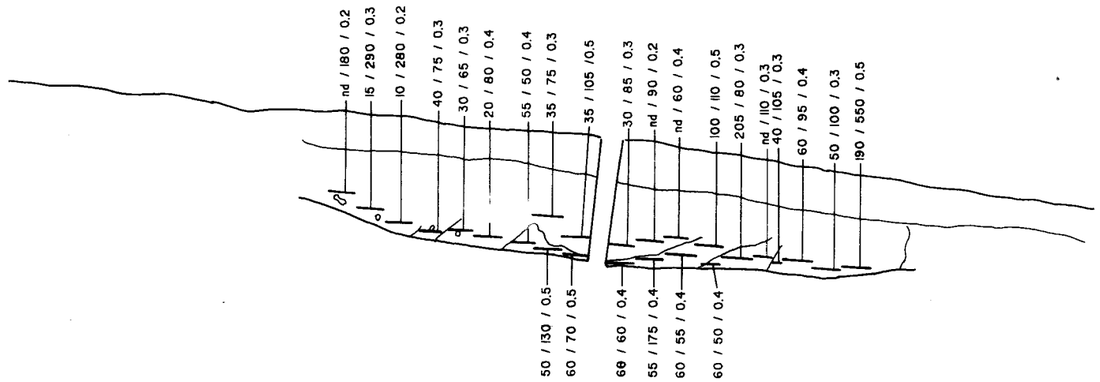


Figure 10A.

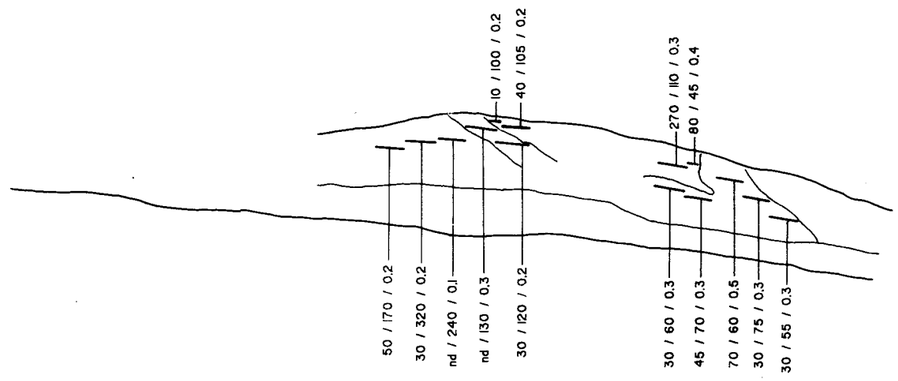
LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine October 1988



North rib



South rib

0 2 4 8 12 metres

Figure 10B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

Note: Mr. Yacoub's field notes did not indicate contact orientations for the units mapped in the north rib of the trench.

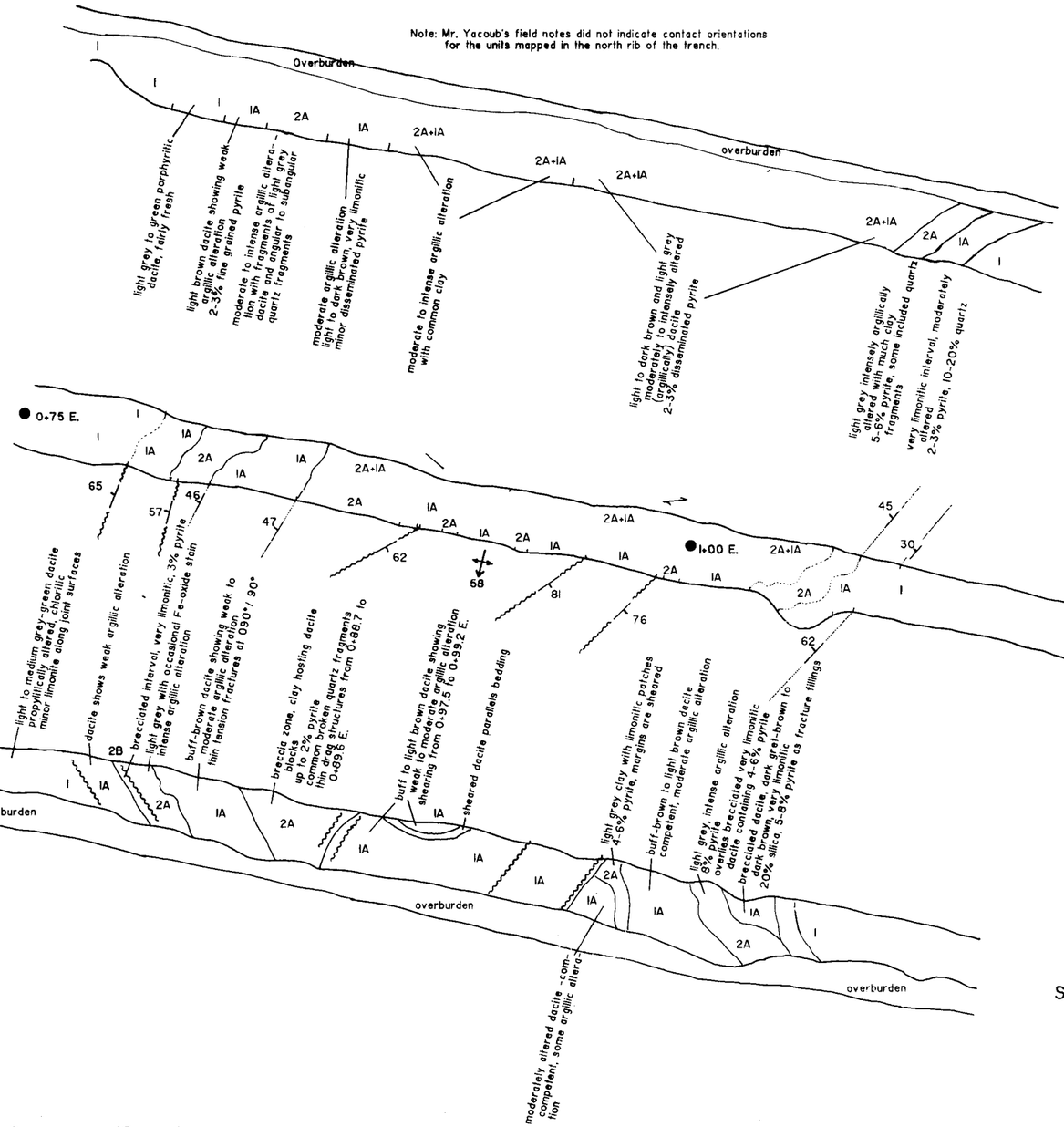
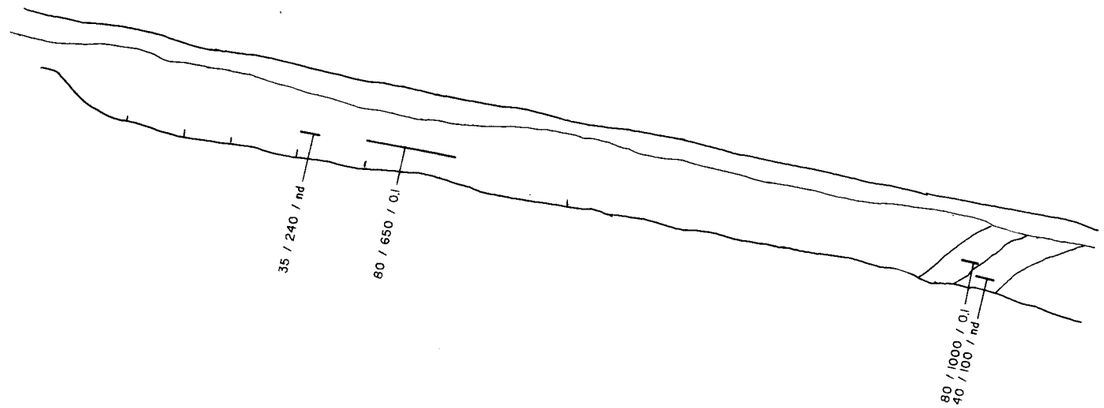


Figure IIA.

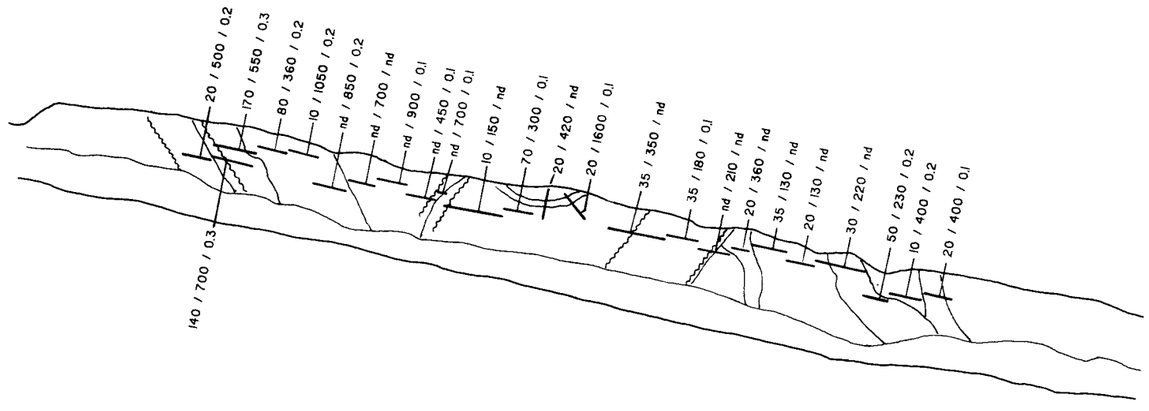
LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geology
Plan and Rib Views

Geology by D. Lucas and F. Yacoub Drafted by T.H. Heine October 1988



North Rib



South Rib

0 2 4 8 12 metres

Figure IIB.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-01
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

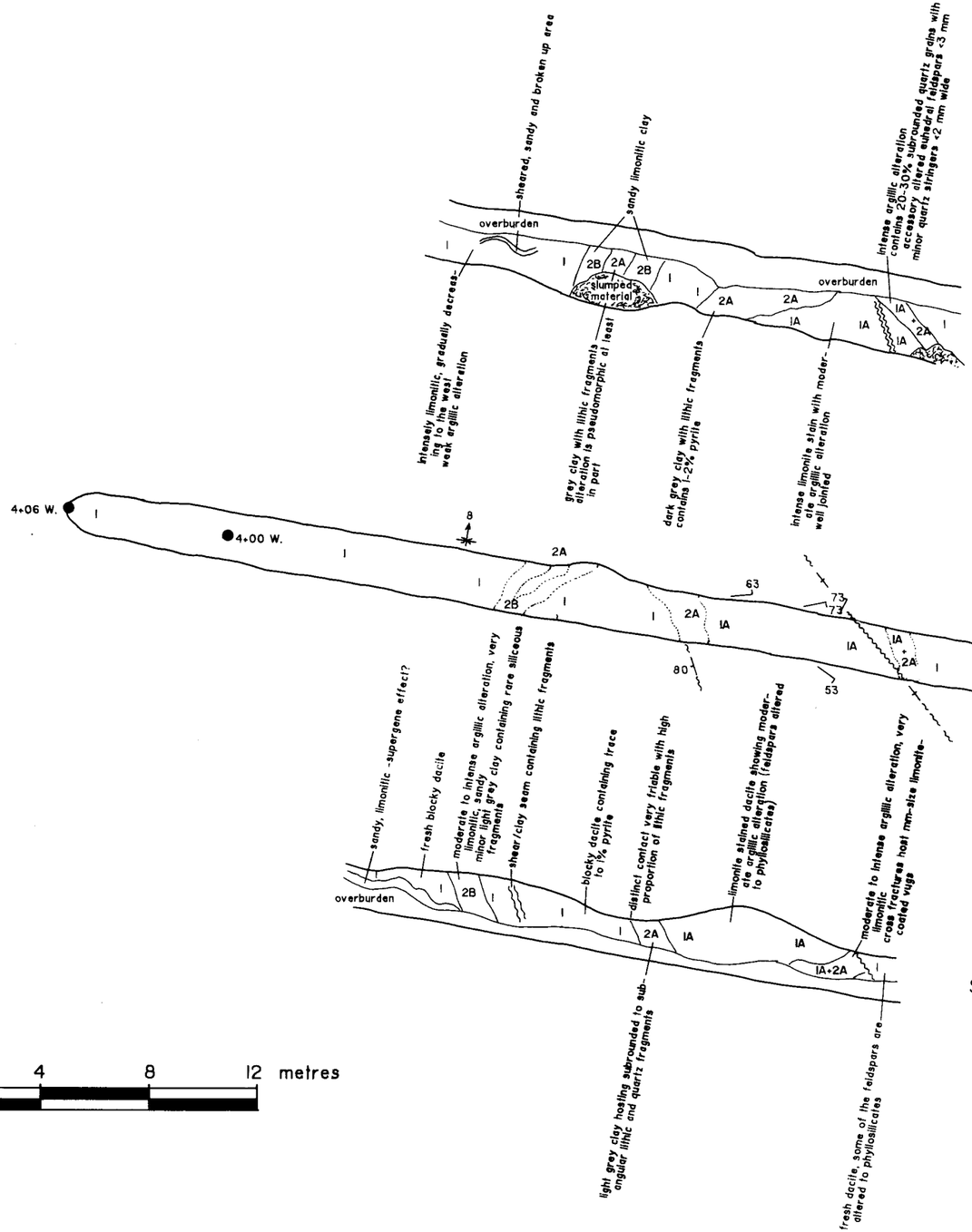
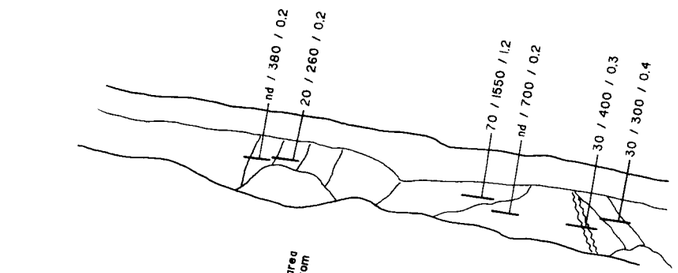


Figure 12A.

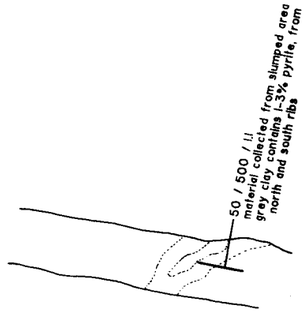
LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geology
Plan and Rib Views

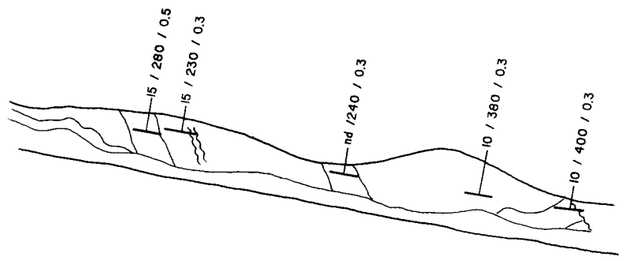
Geology by K.D. Costello Drafting by T.H. Heine October 1988



North rib



Plan view



South rib

0 2 4 8 12 metres

Figure 12B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

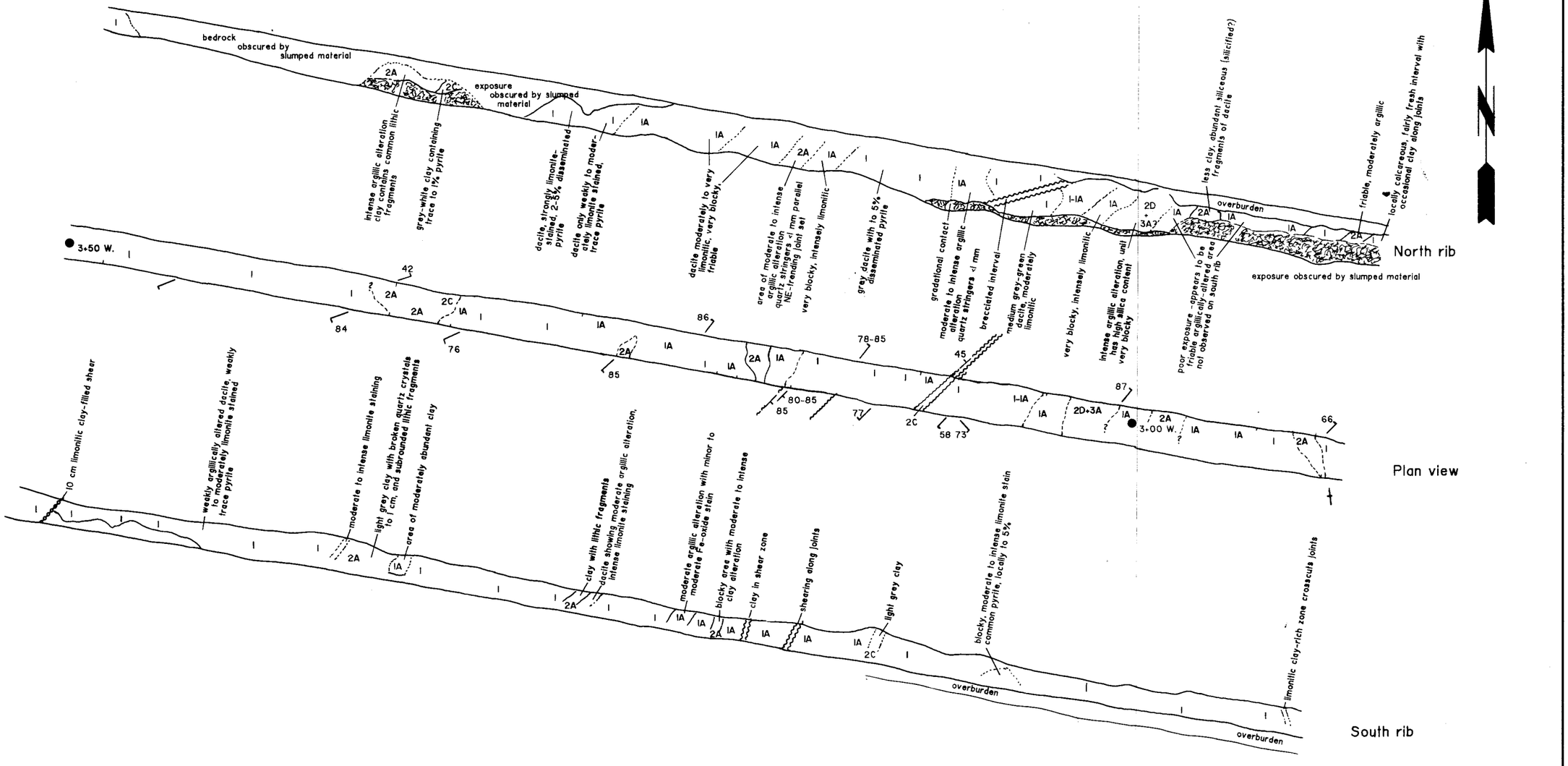
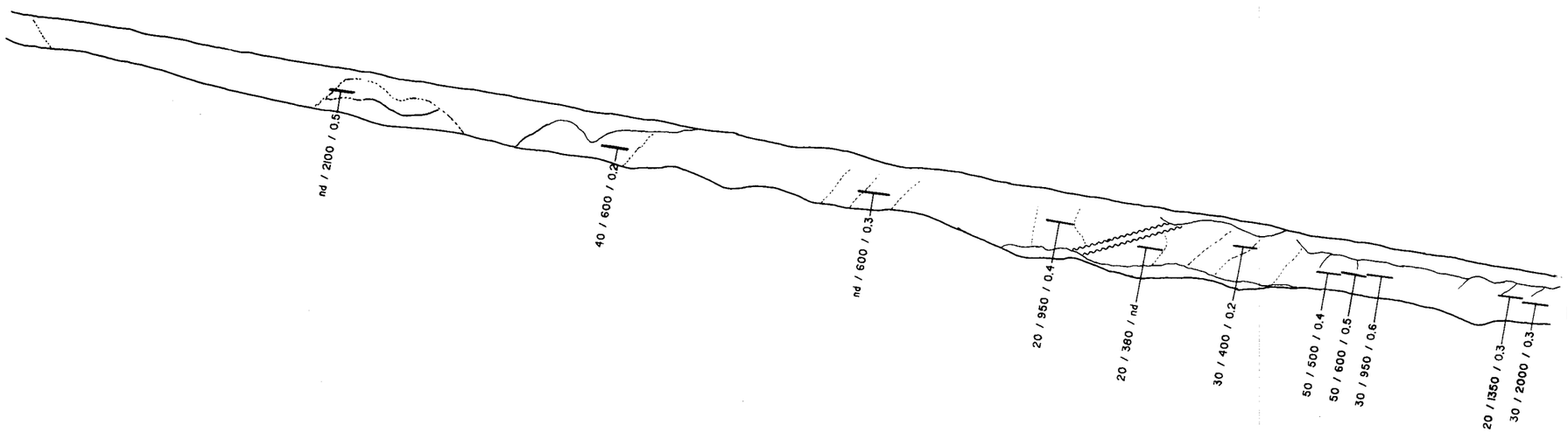


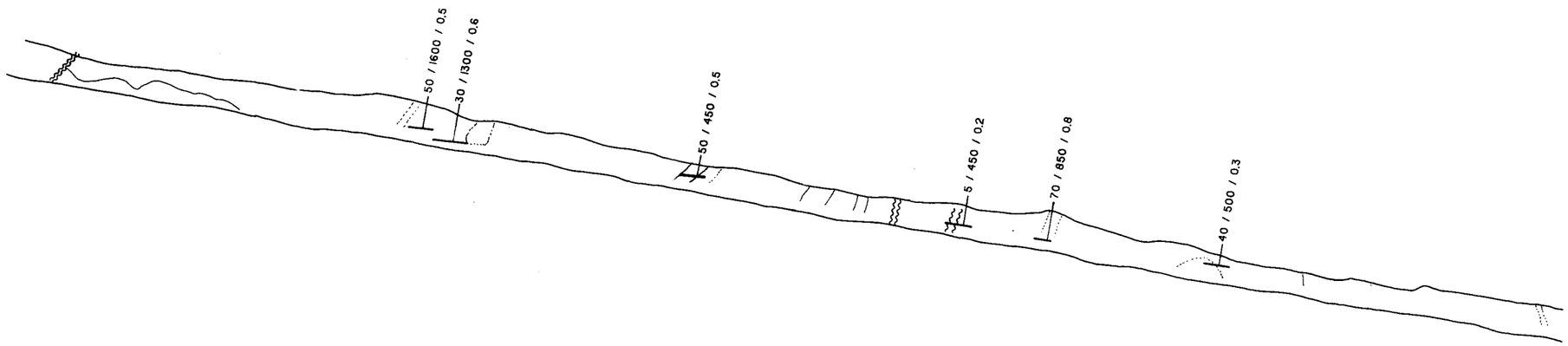
Figure 13A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988





0 2 4 8 12 metres

Figure 13B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

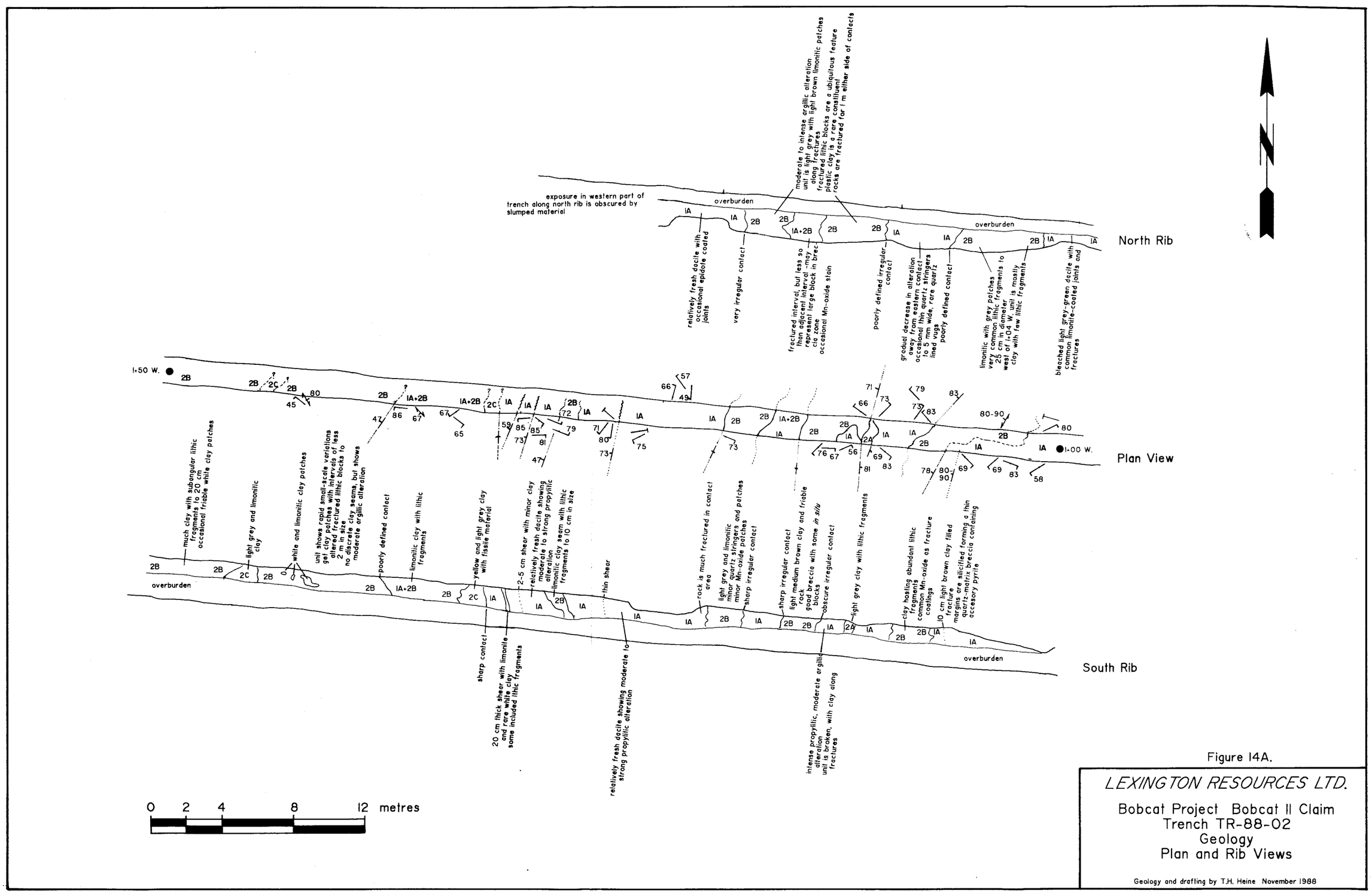
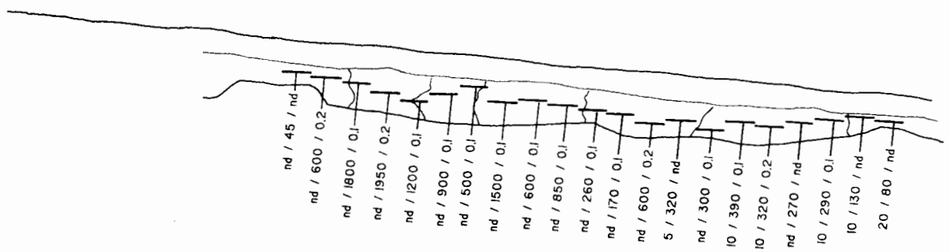


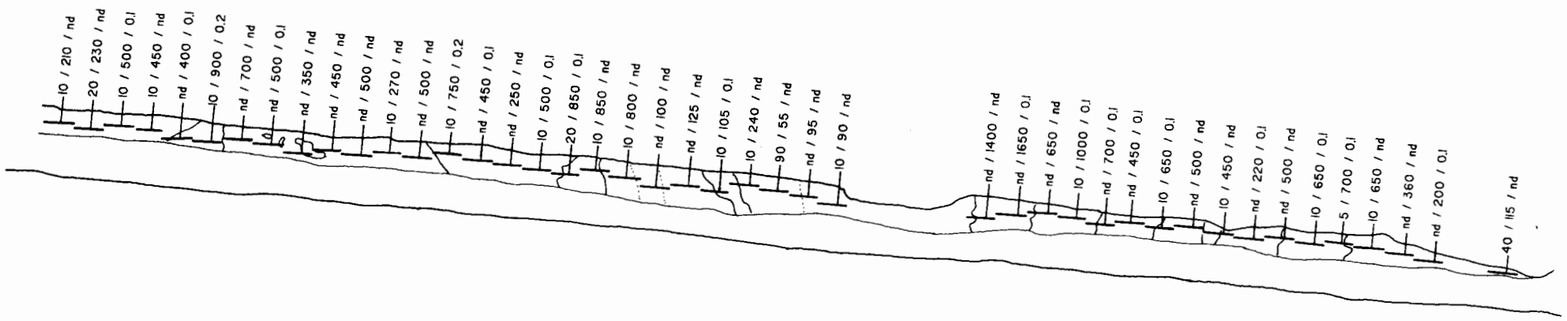
Figure 14A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine November 1988





0 2 4 8 12 metres

Figure 14B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine November 1988

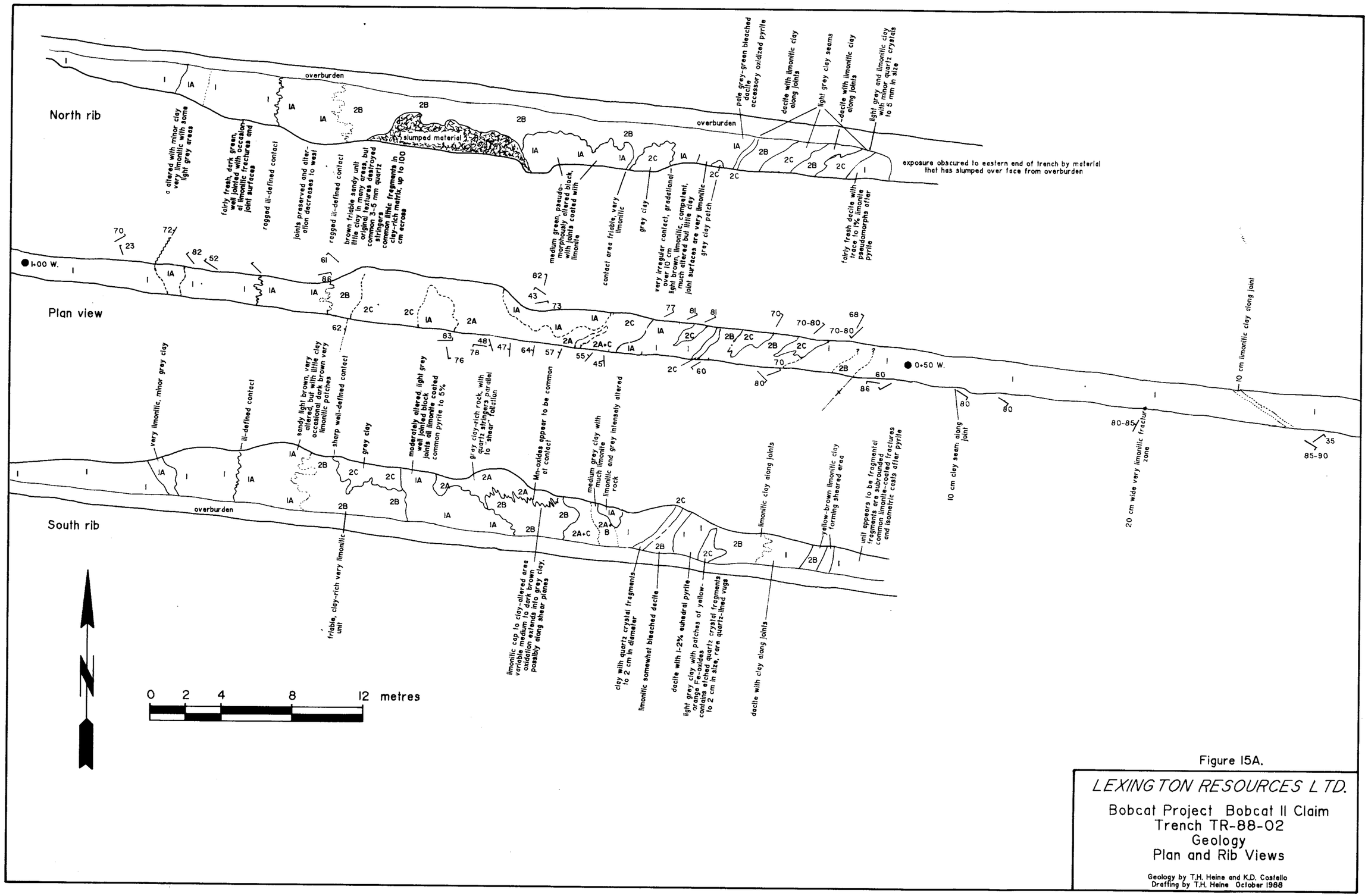


Figure 15A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geology
Plan and Rib Views

Geology by T.H. Heine and K.D. Costello
Drafting by T.H. Heine October 1988

North rib

20 / 90 / 0.2
20 / 650 / 0.3
10 / 210 / 0.2
20 / 230 / 0.2
10 / 190 / 0.2
20 / 200 / 0.2
30 / 500 / 0.3
60 / 500 / 0.3
20 / 420 / 0.2
30 / 700 / 0.2
30 / 700 / 0.2
40 / 800 / 0.2
90 / 850 / 0.3
10 / 1000 / 0.2
40 / 550 / 0.3
45 / 600 / 0.4
20 / 300 / 0.2
40 / 430 / 0.3
nd / 600 / 0.3
20 / 230 / 0.2
20 / 40 / 0.1
nd / 35 /0.1
30 / 30 / 0.1
nd / 180 / nd
nd / 55 / nd
30 / 65 / nd
30 / 100 / nd
30 / 95 / nd
40 / 75 / nd
50 / 80 / nd
20 / 50 / nd
25 / 70 / nd
30 / 120 / nd

Plan view

· 0.50 W.

20 / 65 / 0.7

nd / 130 / 0.2
20 / 170 / nd
50 / 650 / 0.2
20 / 170 / 0.1
20 / 220 / 0.1
30 / 170 / 0.1
40 / 340 / 0.1
55 / 550 / 0.1
50 / 350 / 0.2
10 / 170 / nd
10 / 410 / nd
90 / 700 / 0.1
65 / 700 / 0.1
nd / 210 / 0.1
60 / 700 / 0.2
10 /185 / 0.1
30 / 85 / 0.1
40 / 600 / 0.2
20 / 210 / 0.1
30 / 400 / 0.1
nd / 600 / 0.1
40 / 650 / 0.2
110 / 205 / 0.1
90 / 380 / 0.1
5 / 230 / nd
40 / 185 / 0.3
50 / 95 / 0.2
30 / 60 / nd
30 / 90 / nd
20 / 70 / nd
30 / 80 / nd
30 / 80 / nd
30 / 80 / nd
30 / 80 / nd
40 / 65 / nd
nd / 40 / nd
30 / 50 / nd
20 / 70 / 0.5
20 / 60 / 0.1
30 / 70 / nd
10 / 60 / nd
20 / 35 / nd

South rib

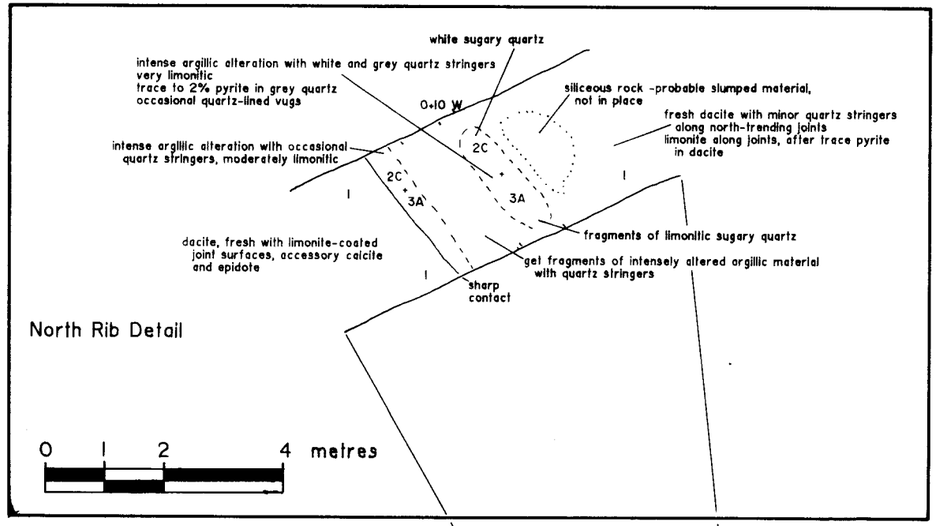
0 2 4 8 12 metres

Figure 15B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-02
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988



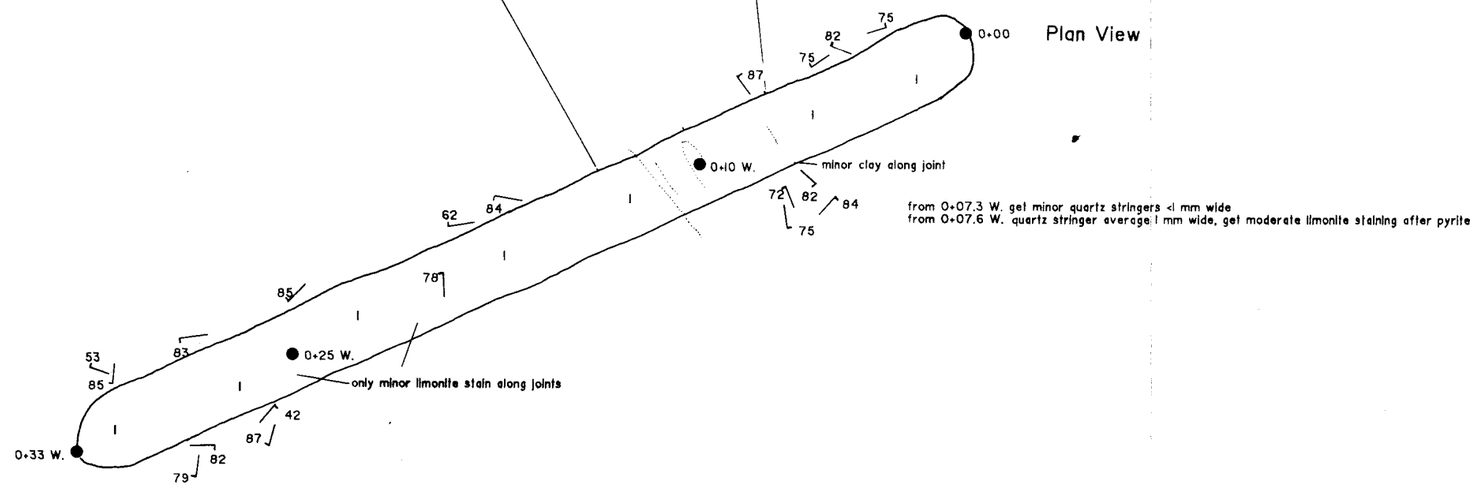
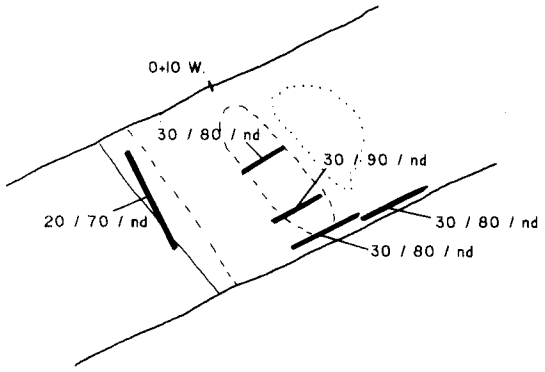


Figure 16A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-03
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988



North Rib Detail

0 1 2 4 metres

Figure 16B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-03
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

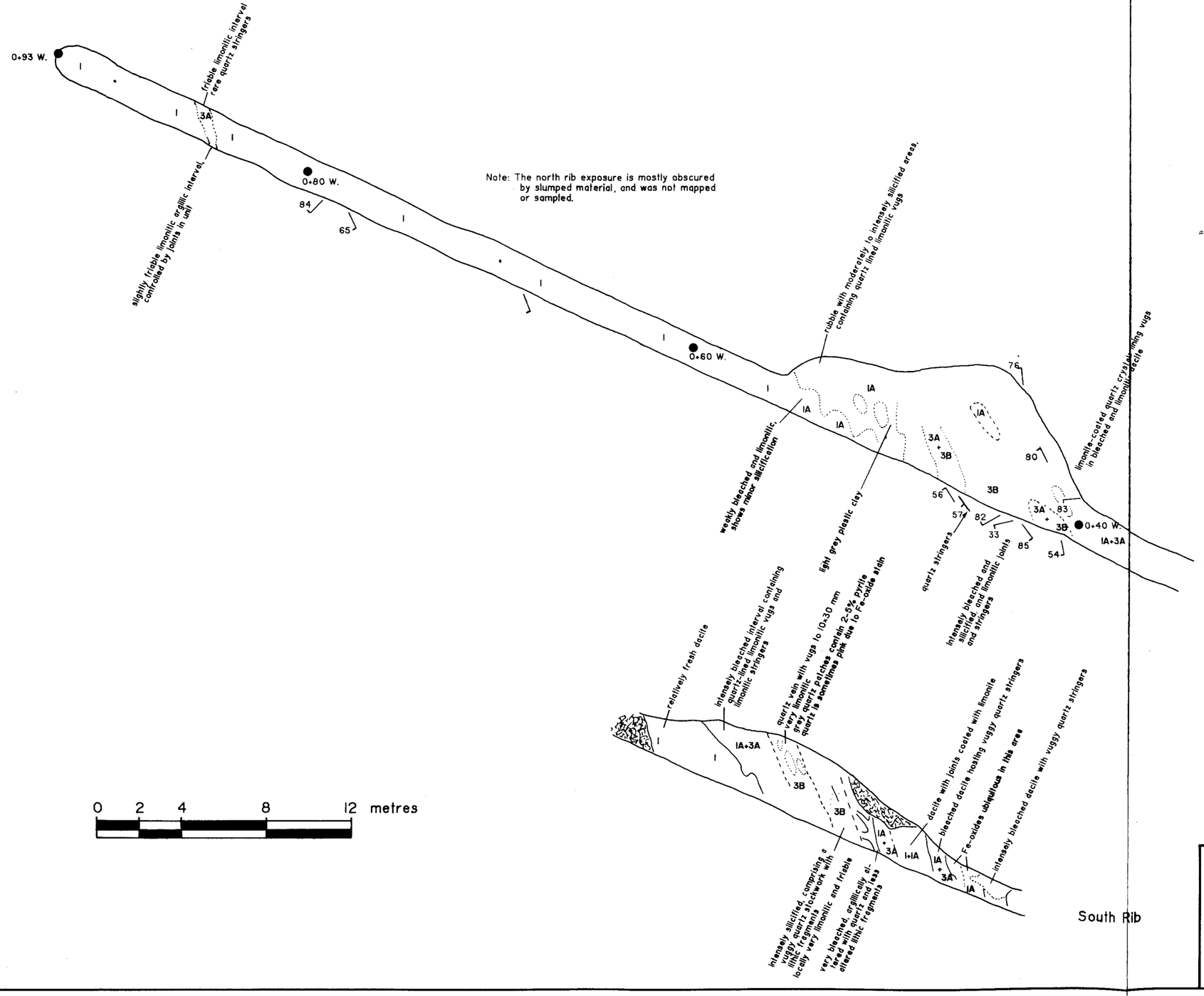
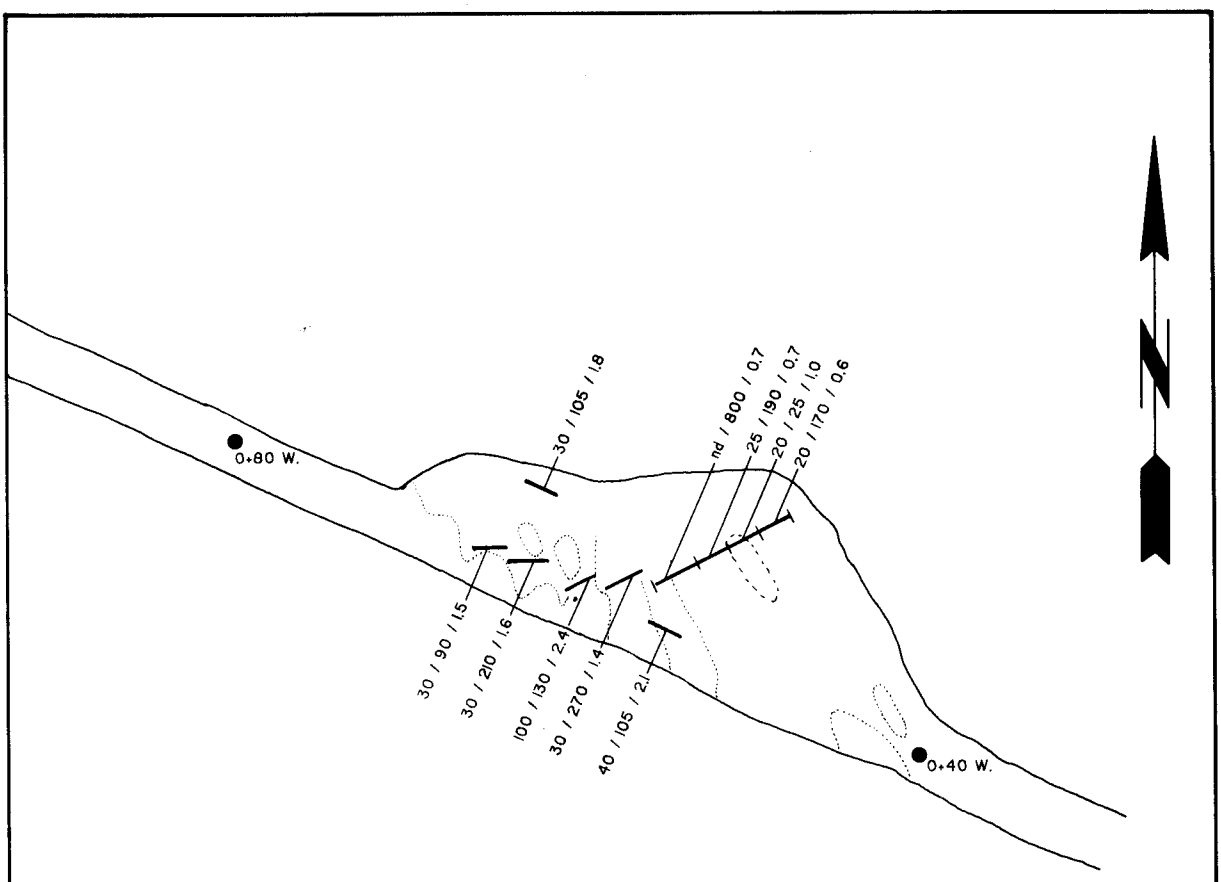


Figure 18A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-05
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988



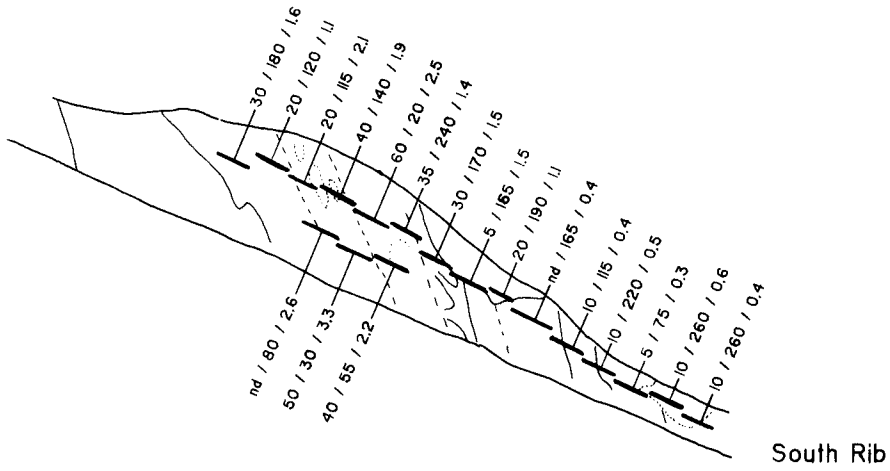


Figure 18B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-05
Geochemical Values from Rib
and Floor Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

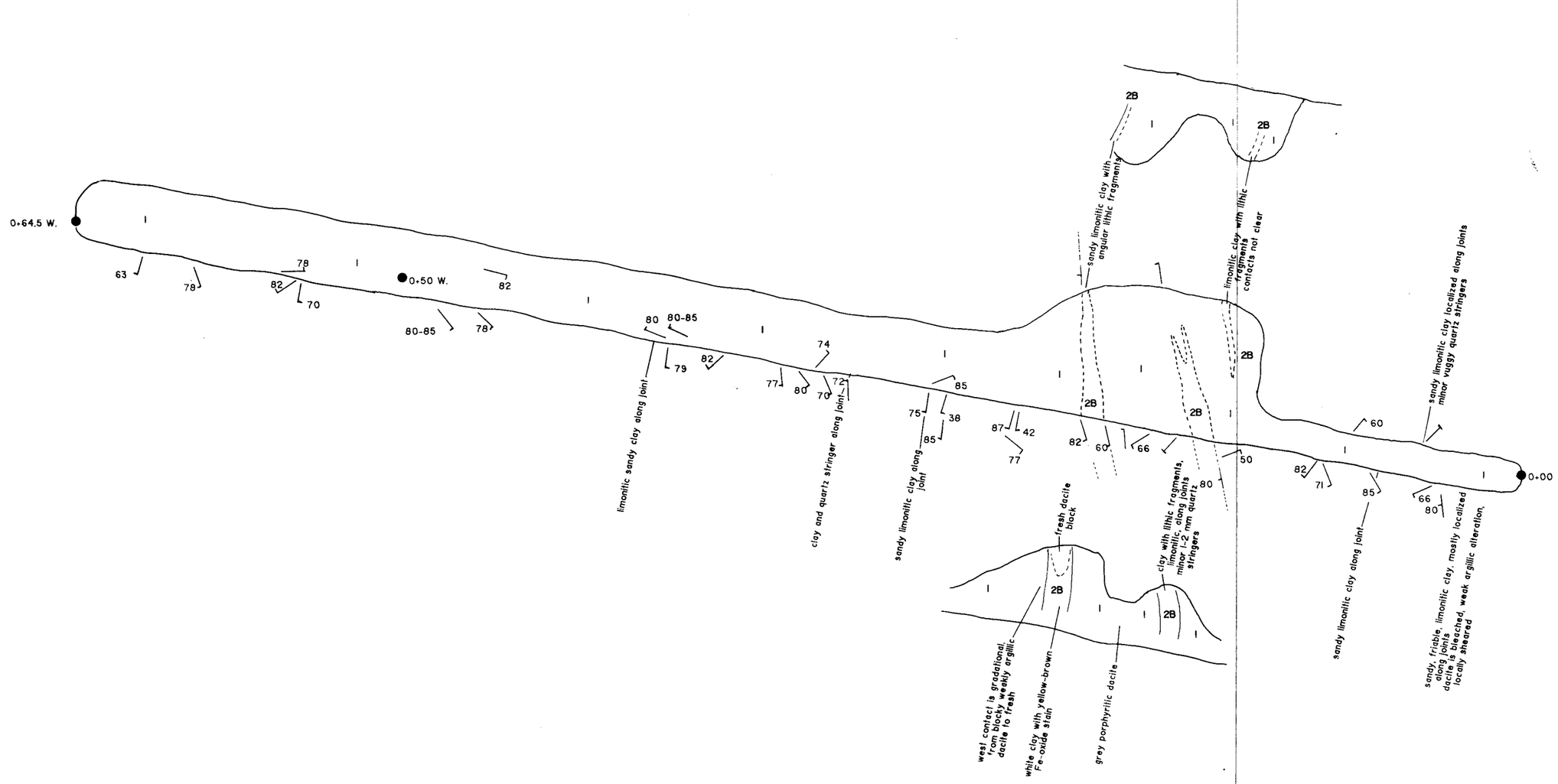


Figure 19A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-06
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988

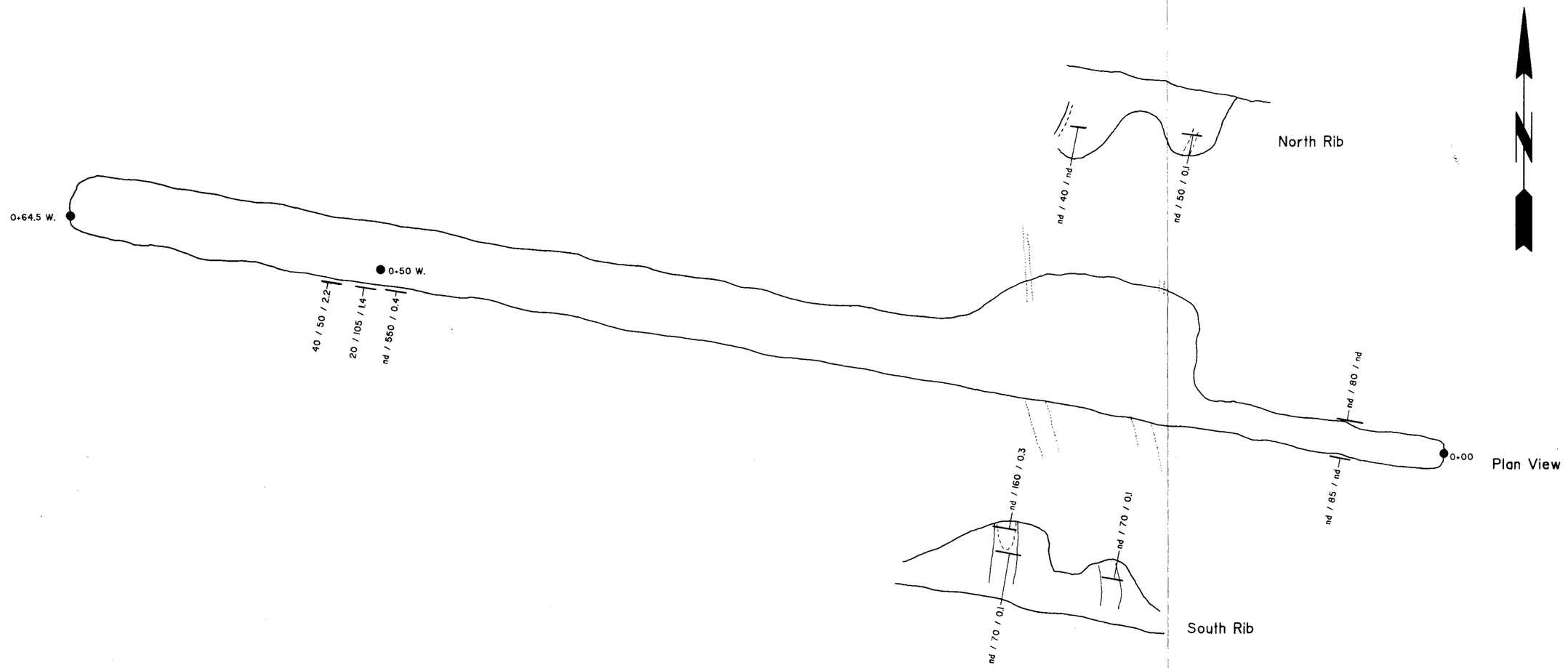


Figure 19B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-06
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

Northeast Rib

Plan View

Southwest Rib

0+92.6 W.

0+50 W.

clay seam

rusty interval with moderate argillic alteration

light grey clay with disseminated pyrite to 5%

light to dark brown, limonitic ductile showing moderate argillic and silicic alteration

light grey clay with minor pyrite

light grey and limonitic friable clay-rich alteration zone

light grey intensely argillically altered area, consists mainly of plastic clay with pyrite to 3%

light to dark brown, limonitic friable rock appears brecciated, slightly silicified in places

light to dark brown, limonitic ductile, shows moderate argillic alteration

light grey and limonitic plastic clay seam

0 2 4 8 12 metres

Figure 20A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-07
Geology
Plan and Rib Views

Geology by F. Yacoub Drafting by T.H. Heine October 1988

Northeast Rib

Southwest Rib

40 / 170 / 0.4

20 / 90 / 0.2

20 / 25 / 0.4

10 / 50 / 0.1

25 / 50 / 0.2

20 / 190 / 0.1

10 / 30 / 0.2

30 / 80 / 0.3

20 / 50 / nd

20 / 65 / 0.2

20 / 200 / 0.1

0 2 4 8 12 metres

Figure 20B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-07
Geochemical Values from Rib Samples
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine October 1988

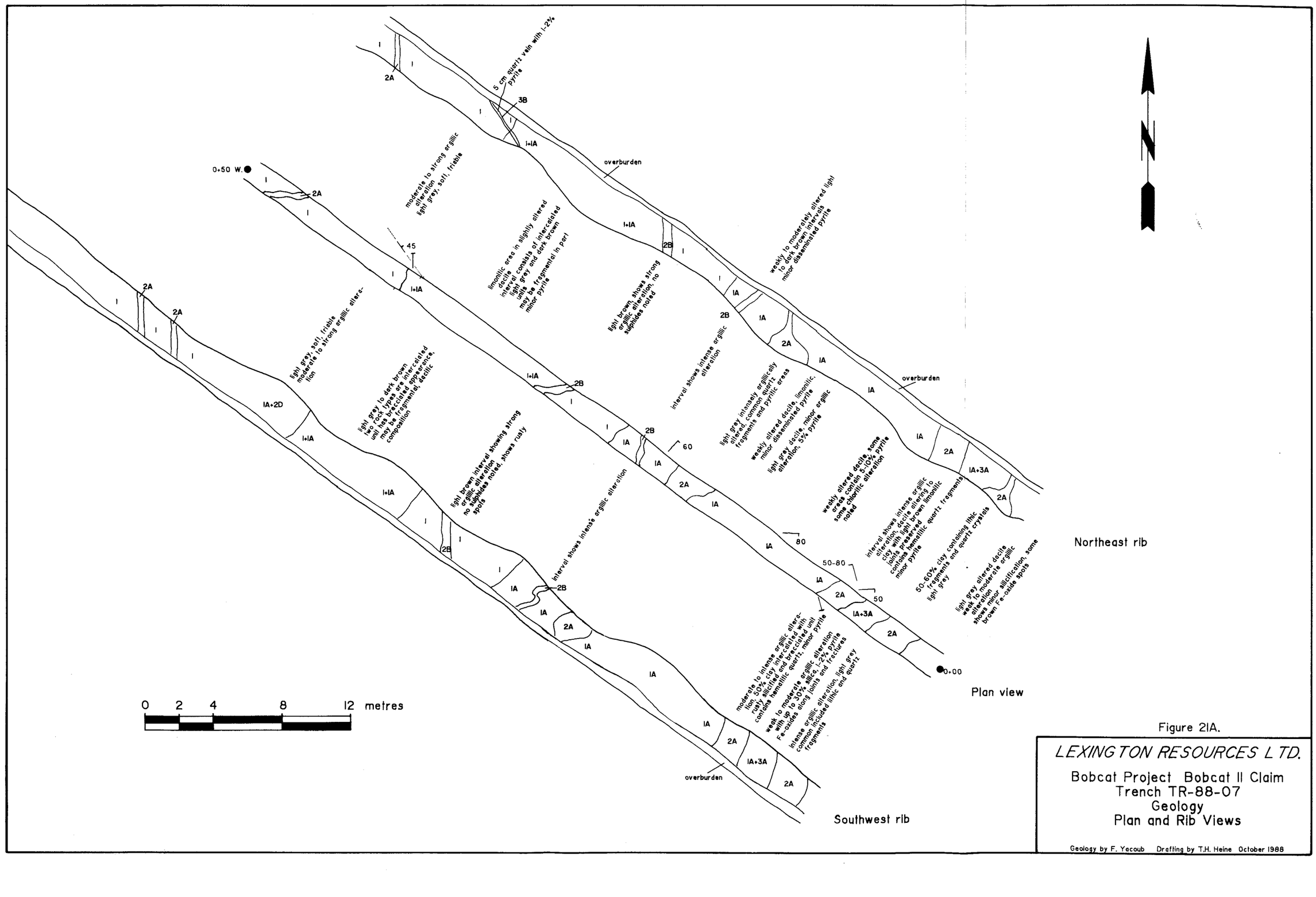


Figure 21A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-07
Geology
Plan and Rib Views

Geology by F. Yacoub Drafting by T.H. Heine October 1988

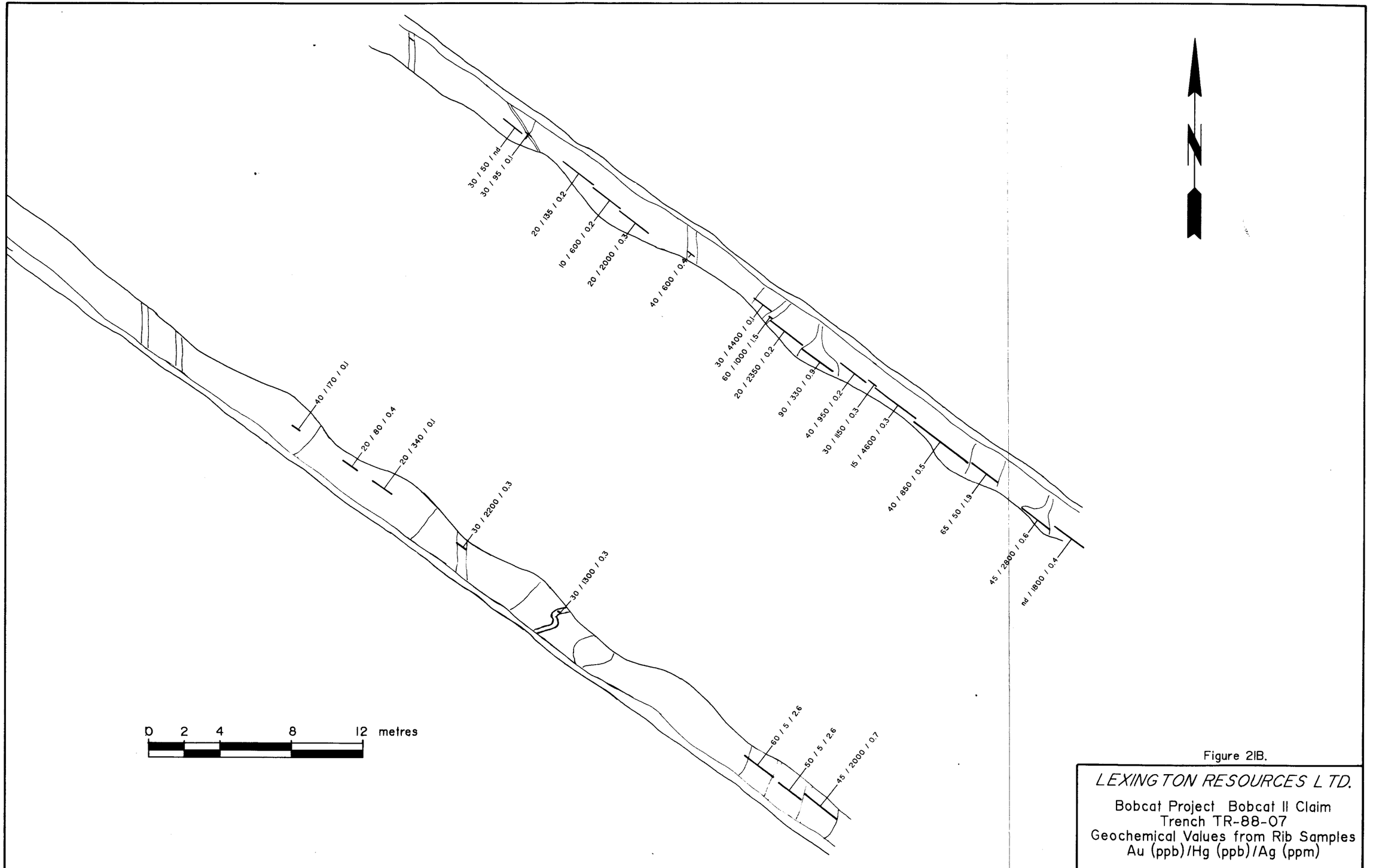


Figure 21B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-07
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

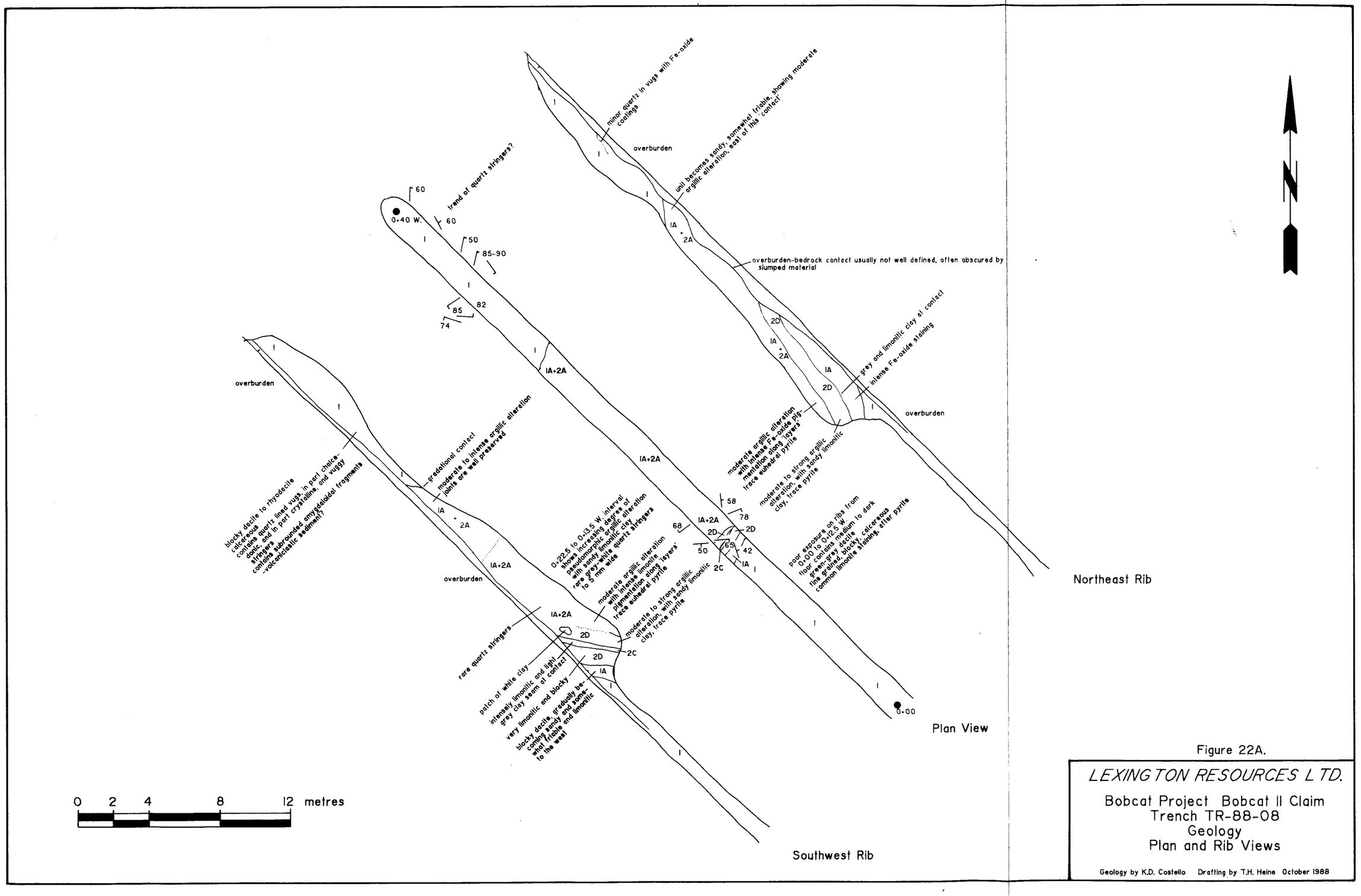


Figure 22A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-08
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988

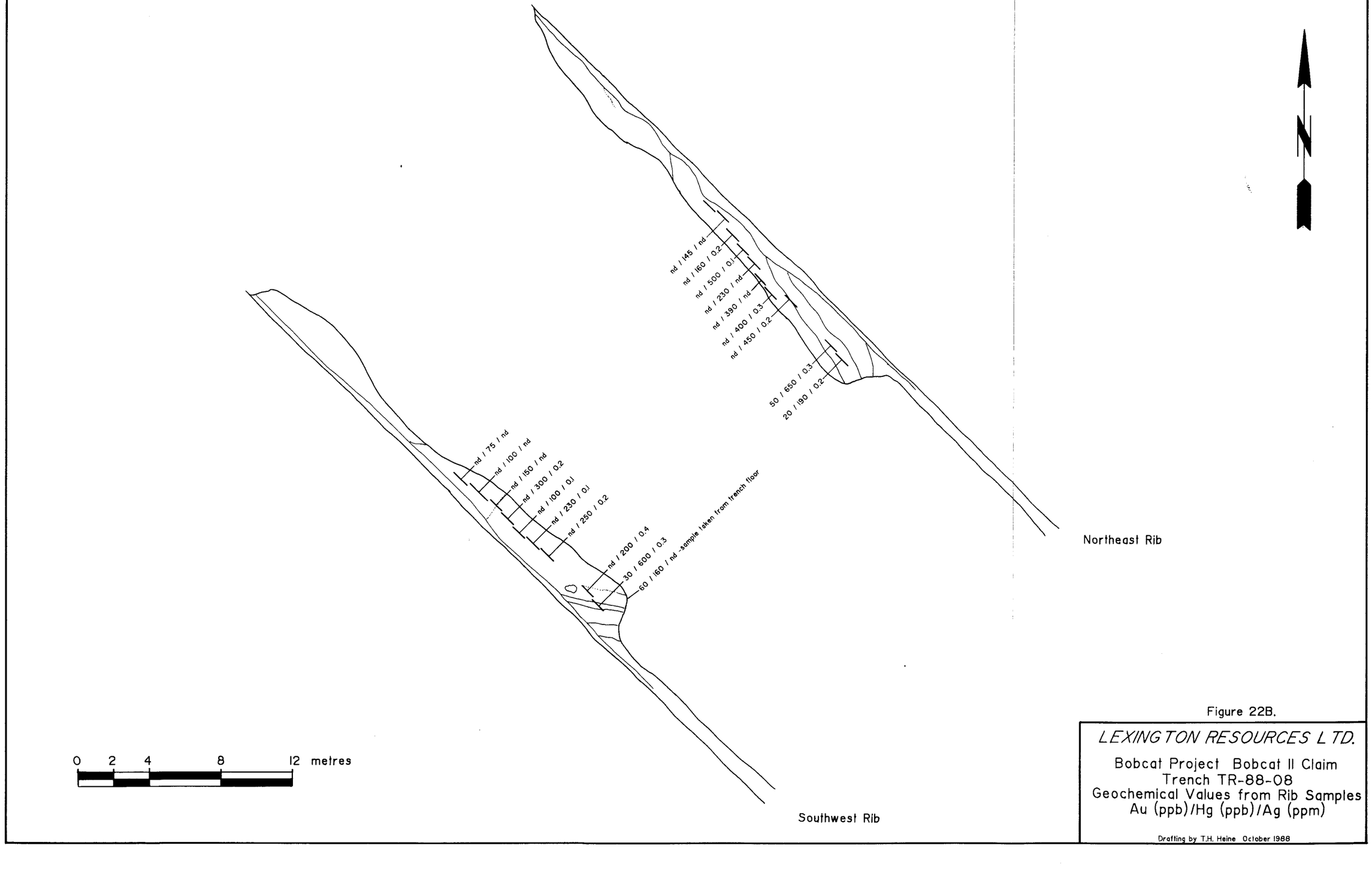


Figure 22B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-08
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

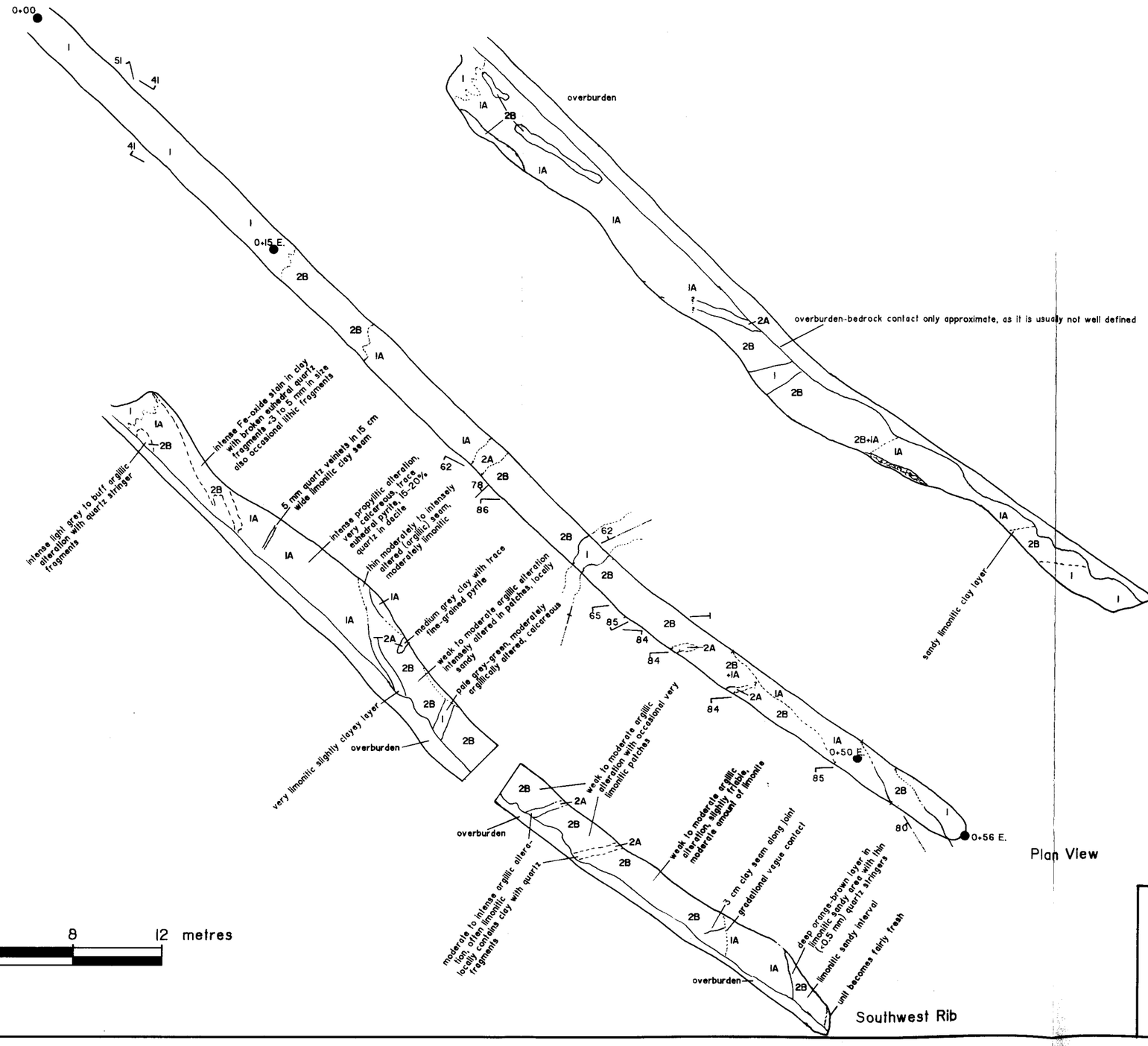


Figure 23A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-08
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.H. Heine October 1988

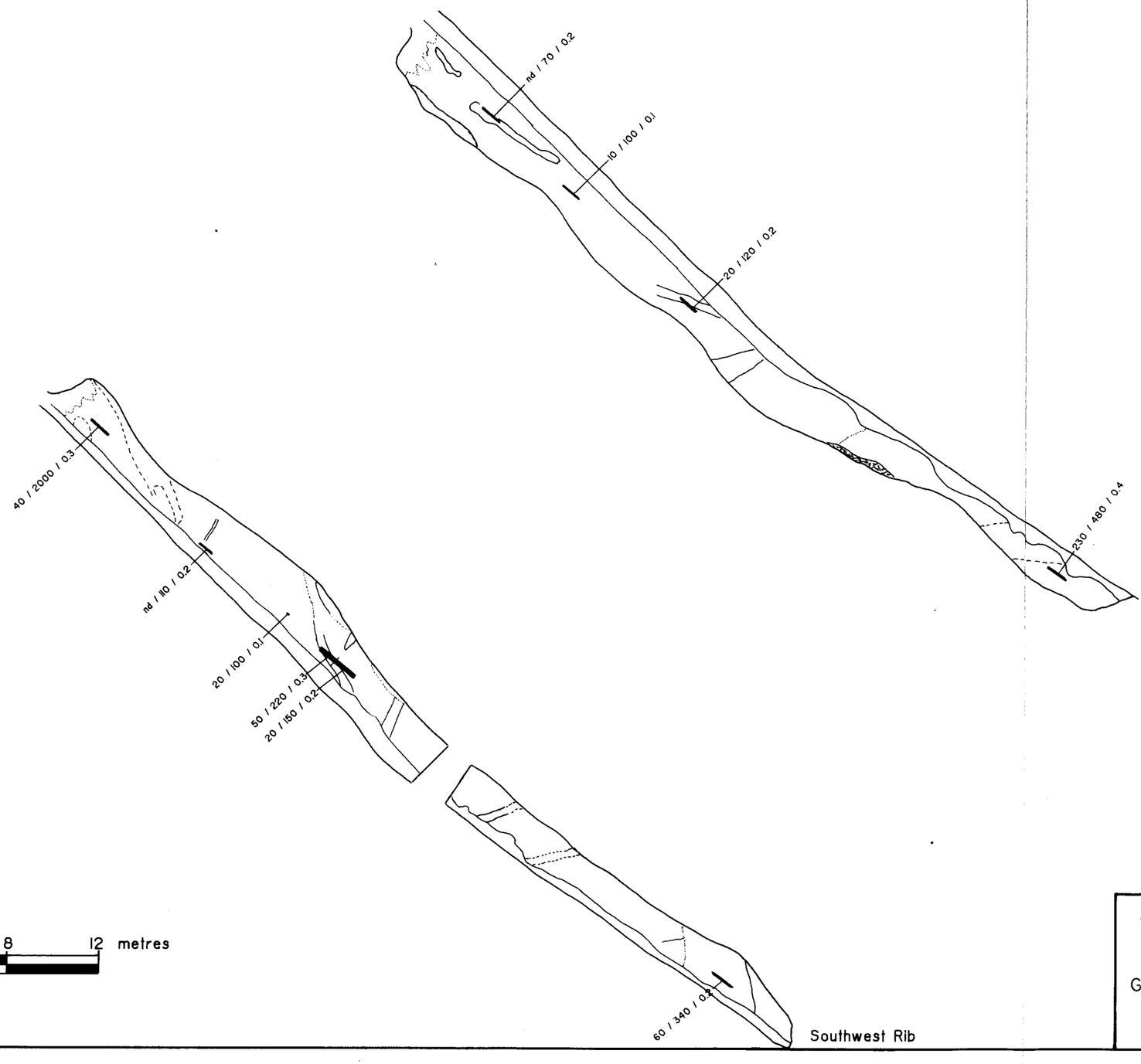


Figure 23B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-08
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

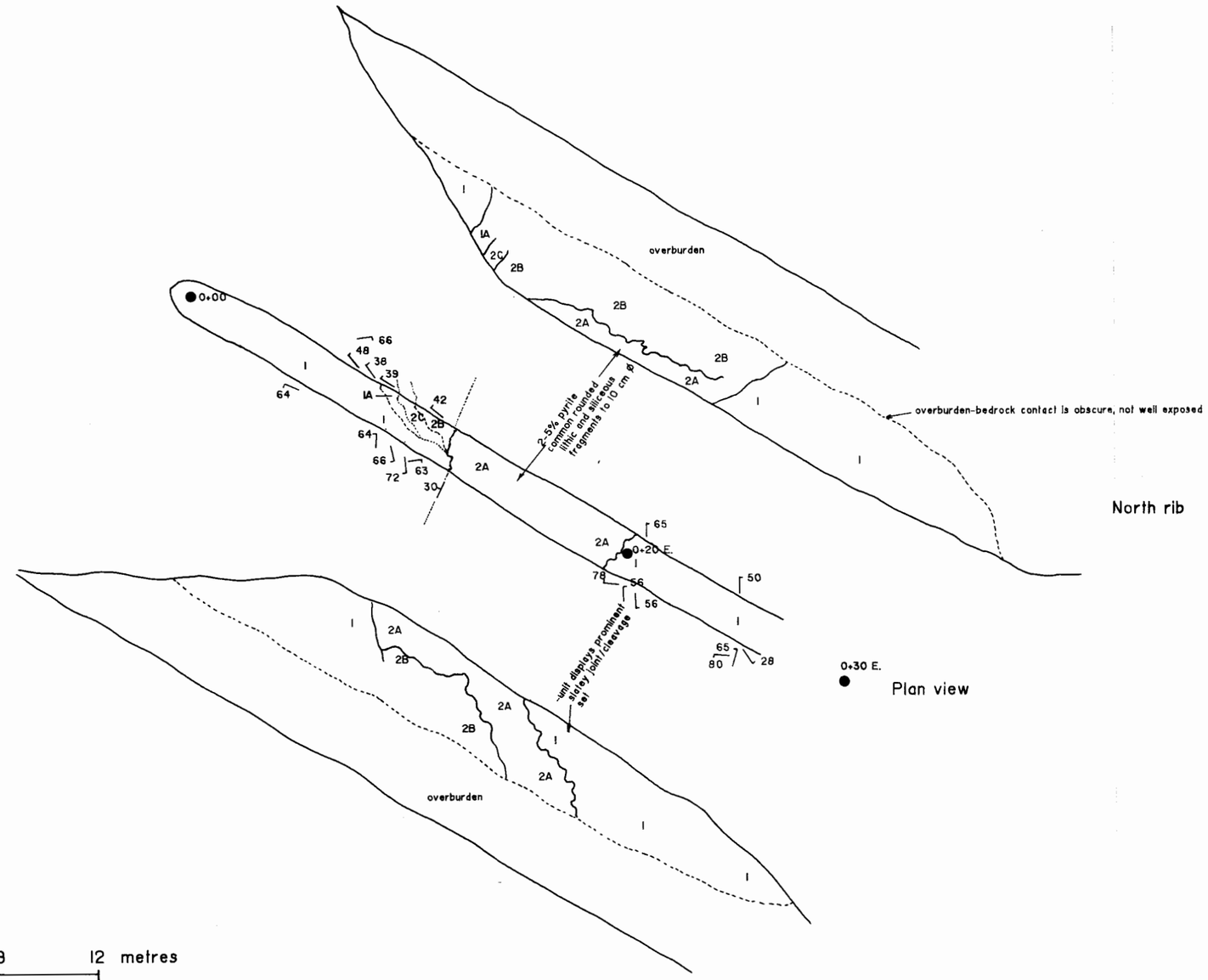


Figure 24A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-09
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine October 1988

Figure 24B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-09
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

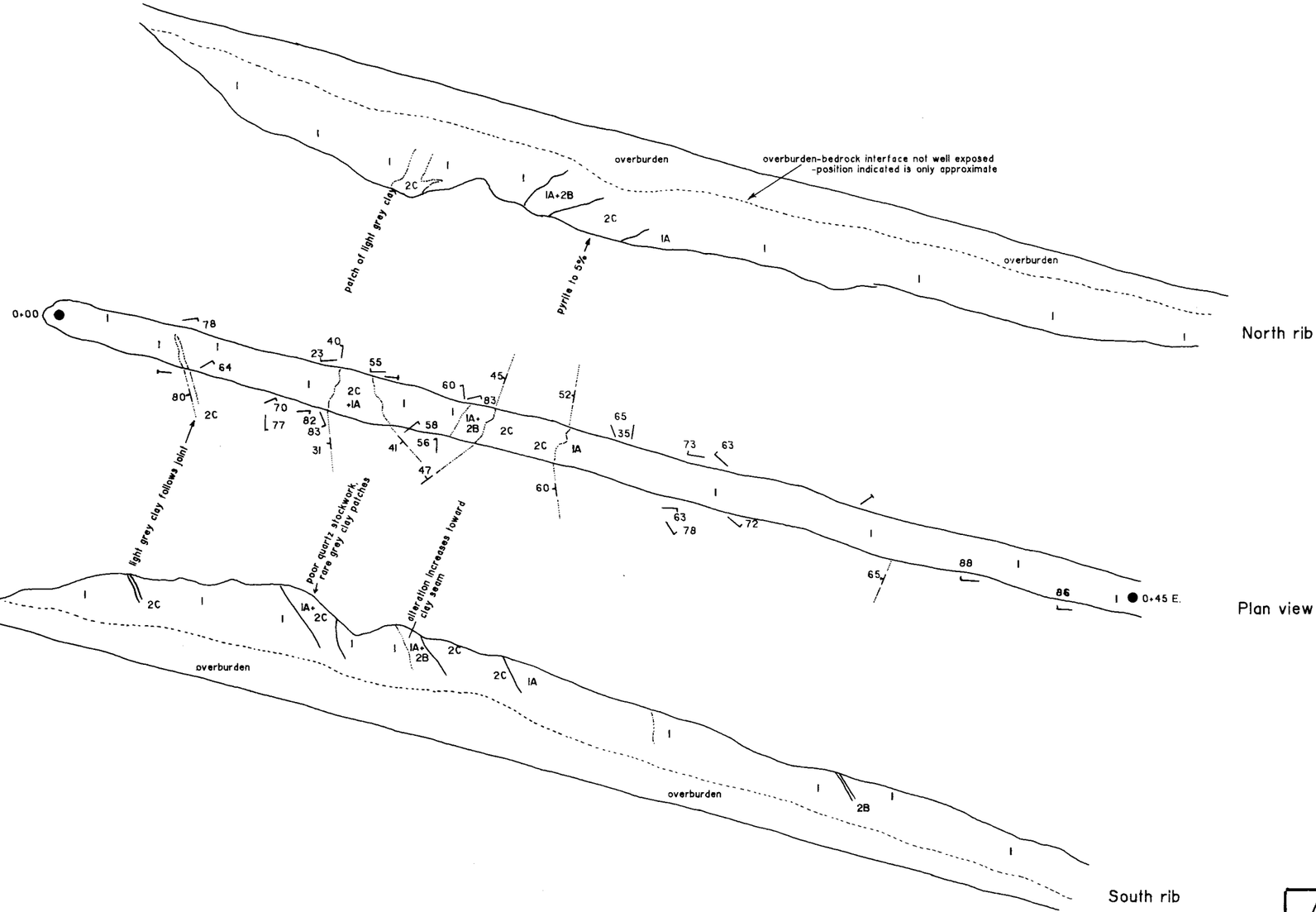
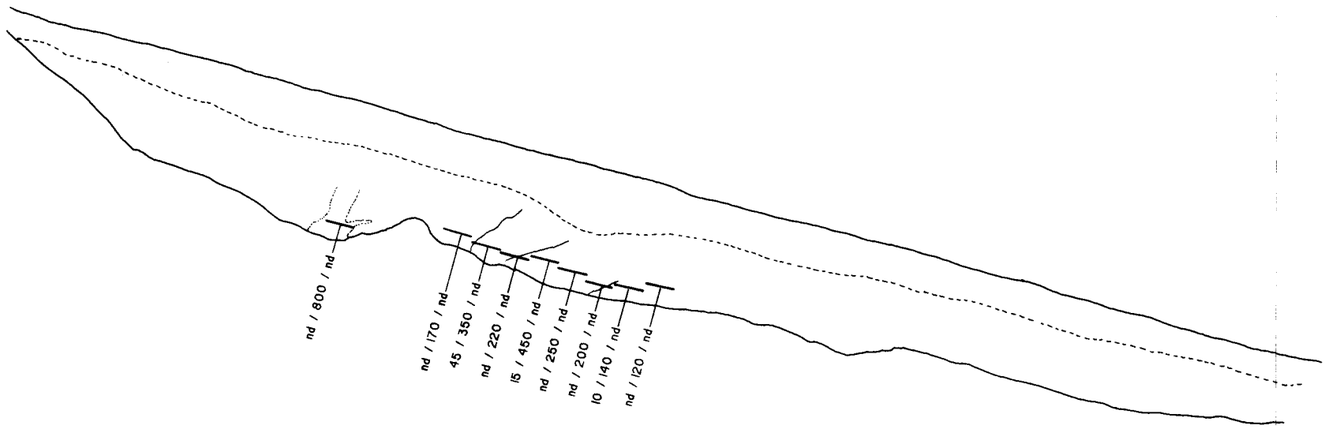


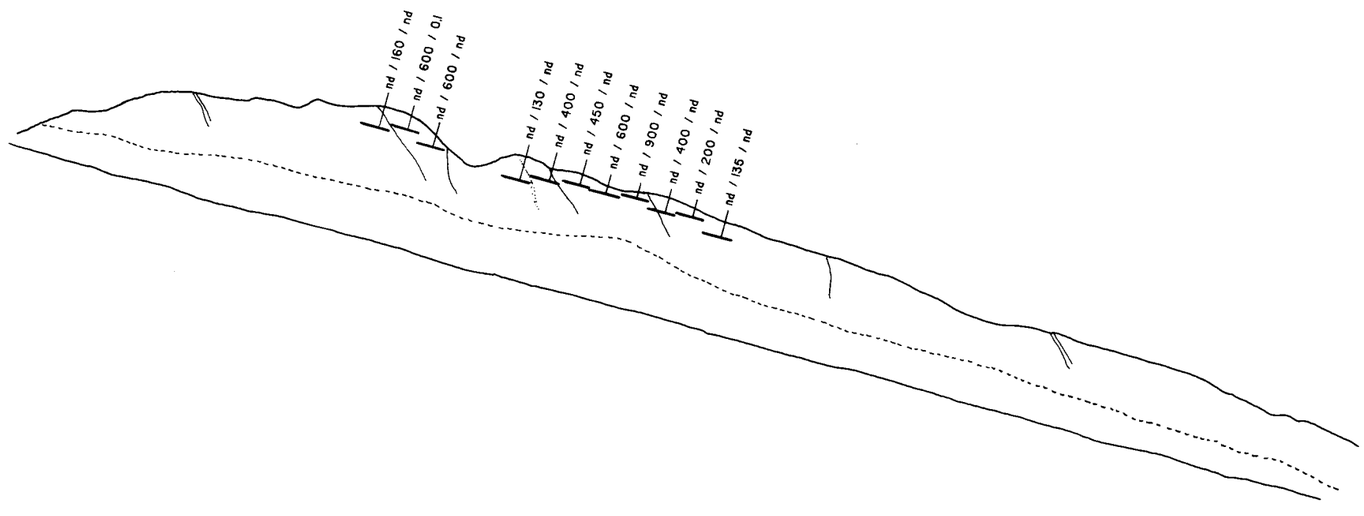
Figure 26A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-II
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine October 1988





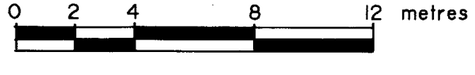


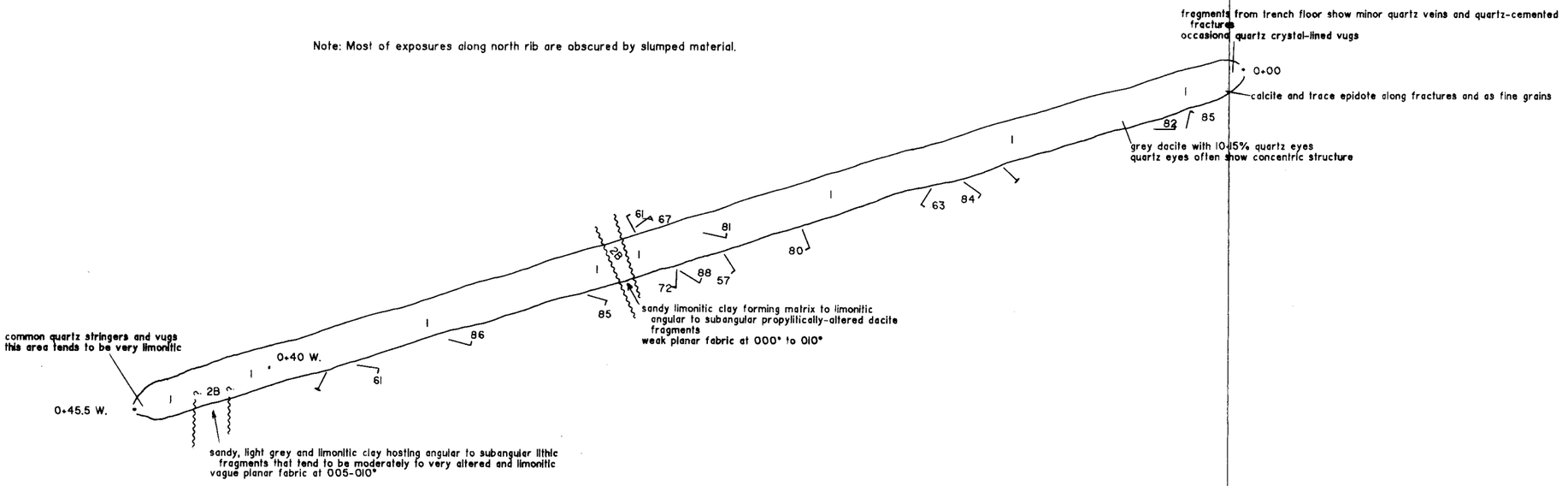
Figure 26B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-11
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

Note: Most of exposures along north rib are obscured by slumped material.



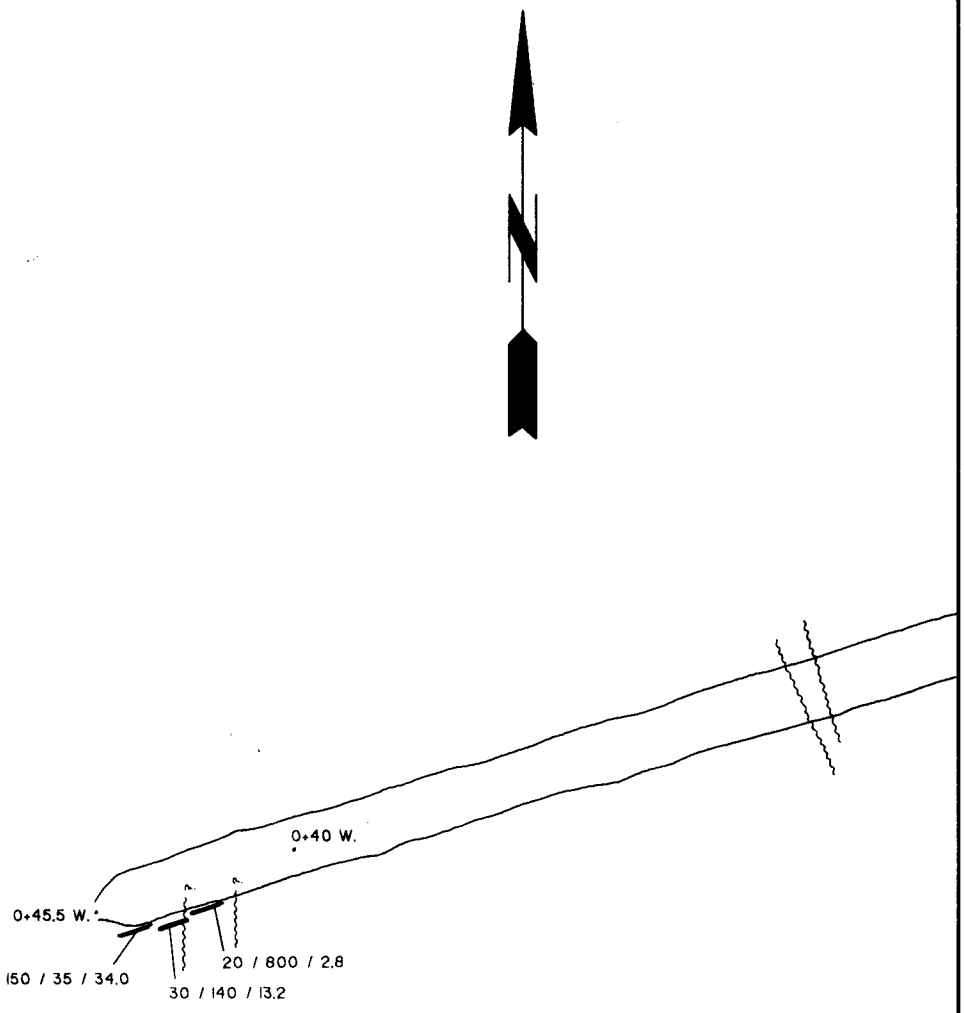
0 2 4 8 12 metres

Figure 27A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-13
Geology
Plan View

Geology by K.D. Costello Drafting by T.H. Heine October 1988



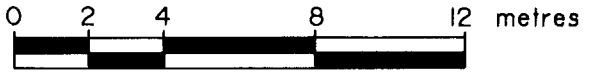


Figure 27B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-13
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988

i. Argillic Alteration

The main alteration type observed in the trenches consists of areas or zones of intense argillic alteration (Unit 2). These are represented by areas of pseudomorphous replacement of the host lithology by fine grained phyllosilicates, and by the formation of clay seams and units of clay-hosted lithic breccias. The margins to these areas of intense alteration are generally sharp and well defined, but are often very irregular.

The clay is usually light grey, but ranges from being almost white to streaked dark grey to black areas. Some clay rich areas are also pale greenish yellow. Pure clay seams containing no extraneous lithic material are uncommon.

Limonitic patches and irregular fractures are a common feature. The limonitic patches often represent intensely altered, friable lithic fragments that have suffered considerable oxidation. The clay itself is often pyritic, containing up to 7% euhedral pyrite crystals up to 1 mm in diameter. The grey pigmentation of the clay may be due to fine grained disseminated pyrite not visible with a hand lens. The contacts of the clay rich areas with the surrounding less altered rock is often marked by an intensely limonitic selvage. This appears to have been caused by surface waters that circulated along the outer margins and more permeable areas of the clay-rich areas and oxidized the contained pyrite. No other sulphides were noted in the areas of argillic alteration.

Usually the clay in the areas of intense argillic alteration is the host for strongly altered lithic fragments. In this case the unit is a proper breccia (Unit 2A). The fragments consist of similar lithologies as the enclosing less-altered sequence, and no exotic blocks were noted. The breccia pieces show considerable size variation, from less than 10 mm to more than 100 cm across. Considerable variation in the proportion of matrix also exists, ranging from fractured lithologies containing clay filled fractures to clay seams containing uncommon lithic fragments. The disposition of the fragments within the altered areas suggests that most of the alteration and attendant breccia formation has been in situ. The fragments have suffered little or no displacement and no appreciable transport within the hydrothermal conduit during the history of the formation of these breccias.

Quartz is a common minor fragmental constituent of the clay-rich areas. It usually occurs as angular to subangular fragments up to 5 cm in diameter. Occasionally, as in the western end of trench TR-88-01, the quartz fragments form linear stringers that represent quartz veins and veinlets deposited within the clay seams and broken up by subsequent tectonic activity. Euhedral quartz crystals comprise a rare constituent within the clay seams, and have been noted in several areas in the eastern end of trench TR-88-02 (Figure 15A). These are up to several centimetres in diameter, show etched faces, and are completely enclosed in clay. Their mode of formation remains problematic but they may represent material transported from deeper parts of the hydrothermal system.

The areas of strong argillic alteration form distinctive

units that can be correlated between adjacent trenches. Their extension along strike beyond the limits of the present trenching can also be inferred with a moderate degree of confidence by observing subtle depressions in the topography.

The detailed morphology of the alteration zones both along strike and across their width often shows considerable variation, as can be seen by examining the geological trench maps provided with this report.

ii. Silicification

Although quartz crystals and fragments occasionally form an appreciable fragmental component in some of the areas showing intense argillic alteration, only a single continuous quartz vein has been identified on the property to date. This is exposed most prominently in trenches TR-88-03 and -05. Correlative silicified areas are also present in trenches TR-88-01, -04, -06, and possibly -13.

Trench TR-88-05 exposes the widest part of the quartz vein, between 0+40 and 0+52 W. (Figure 18A). This consists of a zone of silicifica-tion rather than a discrete quartz vein. This series of stringers trends between 145 and 150°, and dips southwesterly between 55 and 60°. This silicified zone shows a stockwork character, consisting of quartz veinlets and stringers hosting angular lithic fragments.

Several textural varieties of quartz are present. Some of it is sucrosic, and this provides the main host for the lithic fragments. It is not clear if the sugary nature is a reflection of cataclasis. This alteration zone is vuggy in some areas, with quartz-lined open cavities up to 30 cm in diameter.These are often lined with white to pale grey (due to fine grained pyrite?) quartz crystals up to 2 cm in size. The vugs are often filled with limonitic clay, and the quartz crystals themselves are often coated by yellow iron oxides.

Although clay is present within the silicified zone, it forms only a minor component: a single clay seam is exposed in trench TR-88-05 within the silicified area, but the margins to this zone tend to show intense argillic alteration.

The margins to the silicified zone are sharp, well-defined features, and appear to be joint controlled.

Along strike to the southeast the silicified area decreases considerably in width. It is exposed in trench TR-88-03 between 0+09.2 and 0+10.1 W., and strikes 132°, dipping 85°SW (Figure 16A). It is closely associated with an area of intense argillic alteration (0+10.1 to 0+11.6 W.). Again the silicification appears to be joint controlled.

The quartz occurs as fracture fillings and veinlets, and consists of sucrosic white and grey pyritic varieties. Some of the pyrite has been oxidized to limonite, probably by surficial waters. Occasional quartz lined vugs are also present, but constitute an uncommon component. Minor silicification, as quartz stringers, extends into the argillic alteration zone.

In trench TR-88-04, located between TR-88-03 and -05, an interval of irregular quartz-cemented fractures is exposed between 0+35.5 and 0+58 W. (Figure 17A). Quartz comprises only about 2% of this crackle zone. Thin limonite stained quartz-

filled fractures continue to approximately 0+73 W.

An additional altered interval is also present in this trench, from 0+77 to 0+91.5 W. This is an area of moderate argillic alteration, with the rock having a bleached appearance. Quartz is present as thin stringers, vug linings, and as wholesale replacement zones. The latter often contains minor pyrite as disseminations and fracture fillings. Much of the pyrite appears to have been oxidized as indicated by the ubiquitous Fe-oxide stain along joints and fractures. A yellow and medium grey clay seam is poorly exposed between 0+89.5 and 0+91 W. It hosts subrounded to subangular lithic and quartz fragments. To the west of this last alteration zone the rocks become fresh, showing only propylitic alteration effects (calcite replacing feldspars, epidote stringers).

A short distance to the northwest of trench TR-88-05, trench TR-88-06 exposes a silicified area in its south rib, from 0+48 to approximately 0+56 W. (Figure 19A). This is represented as a quartz-cemented fractured area with rare quartz-lined vugs. There is the suggestion that this silicified zone is joint controlled, with a prominent set trending $140^{\circ}/70^{\circ}$SW. The veinlets tend to be narrow, the widest one being 4 mm. This zone could not be identified with certainty on the north rib of the trench, but may be represented by a narrow interval exposing very rare quartz cemented fractures.

The northwesternmost trench, TR-88-13, exposed a silicified area at its western end (Figure 27A). The bedrock in this area hosts micro-crystalline quartz in vugs. Some of the bedrock also shows pervasive silicification. It is not clear if this represents the northwestern extension of the main quartz vein/silicified zone. If this is indeed the case, it takes a significant swing to the west from the main 140 trend.

The southeastern extension of the silicified zone is exposed in trench TR-88-01 between 3+06 and 3+09 W. It consists of a zone showing pervasive silicification as well as massive quartz up to 30 cm wide and areas of quartz stringers generally less than 2 mm wide. The quartz usually shows moderate to intense limonite staining, probably as a result of oxidation of accessory pyrite, which is noted as a common minor constituent. The quartz is often associated with massive white to light grey clay. The trend of this alteration zone appears to be controlled by a prominent northwesterly-striking (120 to 145°) joint set. The adjacent rocks to the alteration zone show a typical propylitic alteration mineral assemblage (calcite and epidote).

West of this area, between 3+79.5 and 3+83.5 W., an interval of bleached and silicified rock was noted in the trench floor. A number of quartz-lined vugs and silicified rock fragments were found in this area. Pyrite is a common accessory to the quartz veins and stringers.

c. Geochemical Sampling

Samples were collected, usually from both ribs, of all the alteration zones exposed in the trenches. These took the form of channel or panel samples 5 to 30 cm wide and averaging 1 metre in length. Samples were chipped off the trench ribs and placed into polyethylene bags. The amount collected was quite variable but

ranged from 5 to 10 kilograms.

All of the samples were sent to Vangeochem Laboratories Ltd. in Vancouver. Care was taken when the samples were dried so that there would be minimal mercury loss. A 500 gram split was taken from each sample, and this was crushed in a jaw crusher and subsequently pulverized in a disc mill to -100 mesh.

For the gold analyses 20 to 30 gm of pulp sample were weighed out and deposited into individual fusion pots. A flux of litharage, soda ash, silica, borax, and either flour or potassium nitrite was added, and the mixture fused at 1040 C to form a lead button. The gold was extracted by cupellation and parted with dilute nitric acid. The gold bead was dissolved by boiling in aqua regia, then diluted with deionized water to 10 ml volume. A Techtron AAS atomic absorption spectrometer, using a gold hollow cathode lamp, was used for the final determination. The results were presented on a strip chart recorder, and gold values in parts per billion determined by comparison with a set of gold standards.

Mercury was determined by digesting some of the pulp sample with aqua regia in a hot water bath for one hour. The samples were agitated, diluted with demineralized water to a fixed volume, and left to settle. An aliquot of the digested sample was mixed with sulphuric acid, sodium chloride, and hydroxylamine sulphate-stannous sulphate, used as the reductant. The vapour of this mixture was drawn into an absorption cell and the Hg vapour detected by a Techtron AAS atomic absorption spectrophotometer.

For the silver determinations pulp samples were heated in test tubes on a sand bath in a nitric and concentrated perchloric acid solution (15% and 85% by volume, respectively). Digested samples were diluted with demineralized water to a fixed volume, and agitated to obtain a homogeneous solution. Silver concentrations were determined using a Techtron AAS atomic absorption spectrophotometer using the appropriate hollow cathode lamp. A hydrogen continuum lamp was used to correct for background interferences. The results, in parts per million, were calculated by comparing them to a set of standards.

The analytical results are presented in Appendix 1. A number of samples were sent to Chemex Laboratories Limited to check the reproducibility of the results obtained from Vangeochem. These are presented in Appendix 2. The results obtained from each laboratory indicate good comparability.

The sample intervals and analytical results obtained from them are indicated in Figures 5B to 29B.

d. Soil Sampling

The soil sampling part of this programme was carried out by Ashworth Explorations Limited. Samples were taken from three areas on the Bobcat II claim: the east detailed grid (Figure 30); the northwest detailed grid (Figure 31); and the southwest extension to the existing grid (Figure 32).

New grid lines were established by means of compass and hip chains, and station intervals marked with 1"x2" pickets at 50 metre intervals. An auger was used to collect samples from the B

horizon at a depth of 40 cm. Different sample intervals were used in the various areas sampled: 20 metres over the east detailed grid, 10 metres over the west detailed grid, and 50 metres over the southwest grid extension.

All of the samples were analysed by Vangeochem Laboratories Limited. The soil samples were carefully dried and screened through -80 mesh. The material remaining in the screen was discarded. Five to 10.0 gm of the -80 mesh material was digested in hot aqua regia. The digested samples were filtered and the washed pulps discarded. The filtrate was reduced in volume to about 5 ml. Gold complex ions were extracted into a di-isobutyl ketone and thiourea medium ("Aliquot 336"). The gold content was determined with a Techtron AAS atomic absorption spectrophotometer, using a gold hollow cathode lamp. A hydrogen lamp was used to correct any background interferences. The results were read out onto a strip chart recorder, and the gold values, in parts per billion, calculated by comparing them with a set of standards. Mercury and silver determinations used the same preparatory and determinative techniques as those used for the rock smple determinations, and are described under Section VII.1.c, above. The analytical results are presented in Appendix 3.

VIII. Statement of Expenditures

Project preparation			$2,000.00
Mobilization / Demobilization			6,000.00
Personnel			
Project manager	$275/day x 60 days	16,500.00	
Project geologist	$325/day x 49 days	15,925.00	
Field geologist	$270/day x 45 days	12,150.00	
Technician	$210/day x 43 days	9.030.00	
Field assistant	$200/day x 41 days	8,200.00	
Party geotech	$210/day x 9 days	1,890.00	
Cook	$225/day x 4 days	900.00	64,595.00
Field Costs			
1 4x4 pickup truck	$110/day x 45 days	4,950.00	
1 4x4 pickup truck	$110/day x 55 days	6,050.00	
1 4x4 pickup truck	$110/day x 15 days	1,650.00	12,650.00
communications equipment $50/day x 55 days		2,750.00	
food at $50/person per day (191 man-days)		9,550.00	
field and camp supplies		10,000.00	
camp rental at $250/day x 55 days		13,750.00	
water pump at $25/day x 55 days		1,375.00	
telephone and courier expenses		2,116.00	39,541.00
1 Caterpillar 225 excavator at $200/hr. x 156.5 hrs.			31,300.00
services rendered by Ashworth Explorations Ltd.			52,820.00
Laboratory analyses for Au, Ag, Hg			
1058 rock samples at $19.00 each		20,102.00	
980 soil samples at $15.00 each		14,700.00	
oversize and wet sample charge		990.50	35,792.50
Report Preparation			5,300.00
TOTAL EXPENDITURES			$249,998.50

This Report of Expenditures was prepared from figures supplied by Mr. Douglas F. Cochrane, President, Severn Explorations Ltd.

IX. Statement of Qualifications

CERTIFICATE

I, THOMAS HERMANN HEINE, of 430 7th Street East, Saskatoon, Saskatchewan, do hereby declare that:

1. I am a geologist, graduate of the University of Windsor, Windsor, Ontario in 1977, with a Master of Science degree in Geology;

2. I have practiced my profession as a mining exploration geologist since 1970, and on a full-time basis since 1977;

3. I have supervised the programmes carried out during the 1988 season, and I affirm that the personnel involved in these programmes are qualified geologists and geotechnicians;

4. I have no interest in the subject property of this report, nor any shares of the company, Lexington Resources Limited;

Dated at Saskatoon, Saskatchewan this 24th day of November, 1988

Thomas H. Heine
Project Manager

X. References

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Appendix 1

Geochemical Analyses of Trench Rock Samples

VGC

VANGEOCHEM LAB LIMITED

[illegible]

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT:	**SEVERN EXPLORATIONS LTD.**	DATE:	July 15 1988
ADDRESS:	575 - 885 Dunsmuir St.		
:	Vancouver, B.C.	**REPORT#:**	**880655 GA**
:	V6C 1N9	JOB#:	880655
PROJECT#:	None given	INVOICE#:	880655 NA
SAMPLES ARRIVED:	July 05 1988	TOTAL SAMPLES:	85
REPORT COMPLETED:	July 15 1988	SAMPLE TYPE:	85 Rocks
ANALYSED FOR:	Ag Au (FA/AAS) Hg	REJECTS:	SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Vancouver Office

PREPARED FOR: Mr. Caisey Harlingten

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1966 TRIUMF STREET
VANCOUVER, B.C. V6T 1W8
(604) 224-1744 FAX 224-1717

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

REPORT NUMBER: 880655 GA JOB NUMBER: 880655 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20001	.5	60	70
20002	.5	35	105
20003	.5	50	130
20004	.3	35	75
20005	.4	55	50
20006	.4	20	80
20007	.3	30	65
20008	.3	40	75
20009	.2	10	280
20010	.3	15	290
20011	.2	nd	180
20012	.2	30	120
20013	.2	40	105
20014	.3	nd	130
20015	.2	10	100
20016	.1	nd	240
20017	.2	30	320
20018	.2	50	170
20019	.3	30	85
20020	.4	60	60
20021	.2	nd	90
20022	.4	55	175
20023	.4	nd	60
20024	.4	60	55
20025	.4	60	50
20026	.5	100	110
20027	.3	205	80
20028	.3	nd	110
20029	.3	40	105
20030	.4	60	95
20031	.3	50	100
55032	.5	190	550
20033	.3	30	60
20034	.3	270	110
20035	.3	45	70
20036	.4	80	45
20037	.5	70	60
20038	.3	30	75
20039	.3	30	55
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1959 Triumph Street
Vancouver, B.C. V5L 1K5
(604) 251-5656 FAX (604) 254-5717

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20040	1.2	20	70
20041	2.9	100	20
20042	.7	nd	1350
20043	1.0	280	1250
20044	3.8	50	150
20045	1.7	20	1200
20046	.8	65	850
20047	.7	80	650
20048	.4	10	700
20049	.3	nd	600
20050	.6	55	3200
20051	.3	nd	2300
20052	.6	50	2500
20053	.4	nd	2400
20054	1.7	nd	85
20055	.6	nd	1200
20056	1.4	nd	1200
20057	10.1	35	195
20058	1.0	nd	40
20059	1.6	20	35
20060	1.4	65	1500
20061	.6	65	750
20062	.5	nd	750
20063	.4	35	950
20064	.3	15	1950
20065	.5	20	1200
20066	.3	10	900
20067	.4	10	1300
20068	.4	15	1400
20101	1.9	10	1450
20102	.1	nd	30
20103	1.1	nd	20
20104	7.1	nd	90
20105	1.1	20	50
20106	.2	10	110
20107	.4	10	70
20201	.2	20	500
20202	.3	170	550
20203	.3	140	700
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 880655 GA JOB NUMBER: 880655 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag	Au	Hg
	ppm	ppb	ppb
20204	.2	80	360
20205	.2	10	1050
20206	.2	nd	850
20207	nd	nd	700
20208	.1	nd	900
20209	.1	nd	450
20210	.1	nd	700

DETECTION LIMIT 0.1 5 5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: July 22 1988
REPORT#: 880680 GA
JOB#: 880680

PROJECT#: None given
SAMPLES ARRIVED: July 11 1988
REPORT COMPLETED: July 22 1988
ANALYSED FOR: Ag Au (FA/AAS) Hg

INVOICE#: 880680 NA
TOTAL SAMPLES: 184
SAMPLE TYPE: Rock
REJECTS: SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Vancouver & Clinton Offices

PREPARED FOR: Mr. Thomas H. Heine

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VGC

VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 880680 GA JOB NUMBER: 880680 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20069	27.0	40	5
20070	.2	50	95
20071	.3	40	185
20072	nd	5	230
20073	.1	90	380
20074	.1	110	205
20075	.2	40	650
20076	.1	nd	600
20077	.1	30	400
20078	.1	20	210
20079	.2	40	600
20080	.1	30	85
20081	.1	10	185
20082	.2	60	700
20083	.1	nd	210
20084	.1	65	700
20085	.1	90	700
20086	nd	10	410
20087	nd	10	170
20088	.2	50	350
20089	.1	55	550
20090	.1	40	340
20091	.1	30	170
20092	.1	20	220
20093	.1	20	170
20094	.2	50	650
20095	nd	20	170
20096	.2	nd	130
20097	nd	30	100
20098	nd	30	65
20099	nd	nd	55
20100	nd	nd	180
20108	nd	40	100
20109	.1	80	1000
20110	.1	80	650
20111	nd	35	240
20112	.4	65	35
20113	.1	30	165
20114	.4	nd	1800
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag	Au	Hg
	ppm	ppb	ppb
20115	.6	45	2800
20116	.7	45	2000
20117	2.6	50	5
20118	2.6	60	5
20119	1.9	65	50
20120	.5	40	850
20121	.3	15	4600
20122	.3	30	1150
20123	.2	40	950
20124	.9	90	330
20125	.2	20	2350
20126	1.5	60	1000
20127	.1	30	4400
20128	.3	30	1300
20129	.4	40	600
20130	.3	30	2200
20131	.3	20	2000
20132	.2	10	600
20133	.2	20	135
20134	.1	20	340
20135	.4	20	80
20136	.1	30	95
20137	nd	30	50
20138	.1	40	170
20211	nd	10	150
20212	.1	70	300
20213	nd	20	420
20214	.1	20	1600
20215	nd	35	350
20216	.1	35	180
20217	nd	nd	210
20218	nd	20	360
20219	nd	35	130
20220	nd	20	130
20221	nd	30	220
20222	.2	50	230
20223	.2	10	400
20224	.1	20	400
20225	nd	25	170
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20226	nd	35	700
20227	nd	50	4000
20228	nd	40	1050
20229	nd	40	950
20230	.4	50	1150
20231	1.1	50	5000
20232	.6	120	2050
20233	.4	90	2400
20234	.1	100	1750
20235	.8	140	>5000
20236	nd	20	1800
20237	.1	110	1300
20238	nd	50	550
20239	.4	90	3700
20240	nd	40	800
20241	.6	85	3800
20242	nd	50	600
20243	.1	50	800
20244	nd	50	400
20245	nd	80	500
20301	1.5	40	400
20302	.7	20	65
20303	nd	20	35
20304	nd	10	60
20305	nd	30	70
20306	.1	20	60
20307	.5	20	70
20308	nd	30	50
20309	nd	nd	40
20310	nd	40	65
20311	nd	30	80
20312	nd	30	80
20313	nd	30	80
20314	nd	20	70
20315	nd	30	90
20316	nd	30	60
20317	nd	30	120
20318	nd	25	70
20319	nd	20	50
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20320	nd	50	80
20321	nd	40	75
20322	nd	30	95
20323	.1	20	490
20324	.1	nd	190
20325	.1	5	170
20326	.2	nd	220
20327	.3	10	360
20328	.1	10	150
20329	.2	50	380
20330	.2	10	110
20331	.4	10	1450
20332	.3	30	500
20333	.3	10	200
20334	.3	5	400
20335	.3	nd	2600
20336	.2	nd	1000
20337	.1	nd	90
20338	.2	10	1000
20339	.2	nd	800
20340	.3	10	1100
20341	.2	nd	160
20342	.4	20	750
20343	.3	40	290
20401	.1	30	30
20402	.1	nd	35
20403	.1	20	40
20404	.2	20	230
20405	.3	nd	600
20406	.3	40	430
20407	.2	20	300
20408	.4	45	600
20409	.3	40	550
20410	.2	10	1000
20411	.3	90	850
20412	.2	40	800
20413	.2	30	700
20414	.2	30	700
20415	.2	20	420
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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

REPORT NUMBER: 880680 GA JOB NUMBER: 880680 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20416	.3	60	500
20417	.3	30	500
20418	.2	20	200
20419	.2	10	190
20420	.2	20	230
20421	.2	10	210
20422	.3	20	650
20423	.2	20	90
20424	.3	30	1350
20425	.3	30	650
20426	.3	30	950
20427	.2	20	700
20428	.2	20	600
20429	.3	30	400
20430	1.6	100	>5000
20431	.3	30	600
20432	.6	60	2300
20433	.5	90	>5000
20434	1.2	100	>5000
20435	.4	40	2900
20436	.5	70	3700
20437	.3	20	900
20438	.3	20	900
20439	.1	nd	700
SCAR/MELINDA	.1	30	420
TR - 88 - 09	.7	90	>5000
SAMPLE X	.1	20	20
SAMPLE Y	.2	20	25

DETECTION LIMIT 0.1 5 5
nd = none detected -- = not analysed is = insufficient sample

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: July 22 1988
REPORT#: 880715 GA
JOB#: 880715

PROJECT#: None given
SAMPLES ARRIVED: July 15 1988
REPORT COMPLETED: July 22 1988
ANALYSED FOR: Ag Au (FA/AAS) Hg

INVOICE#: 880715 NA
TOTAL SAMPLES: 90
SAMPLE TYPE: Rock
REJECTS: SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Vancouver & Clinton Offices

PREPARED FOR: Mr. Thomas H. Heine

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 880715 GA JOB NUMBER: 880715 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20139	.1	20	190
20140	.1	20	200
20141	.2	25	50
20142	.1	10	50
20143	nd	20	15
20144	.4	20	25
20145	.2	20	80
20146	.3	30	80
20147	.2	20	65
20148	.2	10	30
20149	.4	40	170
20150	.2	25	1300
20151	.5	20	600
20152	1.5	20	40
20153	1.6	40	70
20154	1.5	40	115
20155	1.4	nd	90
20156	3.0	90	160
20246	1.5	40	165
20247	2.4	80	140
20248	2.3	60	80
20249	1.6	70	550
20250	1.6	nd	60
20344	.3	25	750
20345	.1	20	105
20346	.1	10	400
20347	.1	20	550
20348	.2	25	800
20349	.2	20	600
20350	.2	40	1000
20351	.1	20	750
20352	.3	30	2000
20353	.3	20	1350
20354	.6	30	950
20355	.5	50	600
20356	.4	50	500
20357	.2	30	400
20358	nd	20	380
20359	.4	20	950
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-57178

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20360	.3	nd	600
20361	.2	40	600
20362	.5	nd	2100
20363	.3	40	500
20364	.8	70	850
20365	.2	5	450
20366	.5	50	450
20367	.6	30	1300
20368	.5	50	1600
20369	.3	10	400
20370	.3	10	380
20371	.3	nd	240
20372	.3	30	400
20373	.2	nd	700
20374	1.2	70	1550
20375	.4	30	300
20376	.3	15	230
20377	.5	15	280
20378	.2	20	260
20379	.2	nd	380
20380	1.1	50	500
20381	.3	40	2000
20382	.2	nd	170
20383	.2	nd	110
20384	.1	10	100
20385	.3	50	220
20386	.2	20	120
20387	.2	20	150
20388	.1	20	100
20389	.2	60	340
20390	.4	230	480
20440	4.5	50	390
20441	.9	20	480
20442	.5	10	260
20443	.3	10	300
20444	.4	10	550
20445	.3	nd	550
20446	.4	20	450
20447	.5	30	900
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20448	.3	nd	1450
20449	.2	20	1050
20450	.4	nd	1000
20451	.5	20	1250
20452	.3	nd	1100
20453	.9	10	700
20454	.5	10	1200
20455	.5	10	1300
20456	.3	20	3600
20457	.3	10	1400
TR 88 - 10	1.1	30	400
CASEY #2	.2	nd	25

DETECTION LIMIT 0.1 5 5

nd = none detected -- = not analysed is = insufficient sample

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: Aug 05 1988
REPORT#: 880781 GA
JOB#: 880781

PROJECT#: None given
SAMPLES ARRIVED: July 25 1988
REPORT COMPLETED: Aug 05 1988
ANALYSED FOR: Ag Au (FA/AAS) Hg

INVOICE#: 880781 NA
TOTAL SAMPLES: 186
SAMPLE TYPE: Soil
REJECTS: SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: CLinton & Vancouver Office

PREPARED FOR: Duane Lucas

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
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BRANCH OFFICE
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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

REPORT NUMBER: 880781 GA JOB NUMBER: 880781 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20157	.8	nd	125
20158	1.1	nd	1700
20159	.1	nd	30
20160	.5	nd	310
20161	nd	nd	30
20162	nd	nd	230
20163	1.6	nd	750
20164	nd	nd	95
20165	nd	nd	125
20166	nd	nd	>5000
20167	nd	nd	>5000
20168	nd	nd	>5000
20169	nd	nd	>5000
20170	nd	nd	>5000
20171	nd	nd	>5000
20172	nd	nd	>5000
20173	nd	nd	>5000
20174	nd	nd	>5000
20175	nd	nd	>5000
20176	nd	nd	>5000
20177	nd	nd	4000
20178	nd	nd	>5000
20179	nd	nd	>5000
20180	nd	nd	4500
20181	nd	nd	>5000
20182	nd	nd	>5000
20183	nd	nd	>5000
20184	nd	nd	>5000
20185	nd	nd	>5000
20186	nd	nd	>5000
20391	nd	60	160
20392	.2	20	190
20393	.3	30	600
20394	.4	nd	200
20395	.3	50	650
20396	nd	nd	145
20397	nd	nd	75
20398	nd	nd	100
20399	nd	nd	150
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20400	.2	nd	300
20458	.9	nd	600
20459	1.4	50	400
20460	1.0	70	500
20461	.9	45	350
20462	1.2	40	750
20463	.8	20	450
20464	1.4	45	450
20465	.6	20	600
20466	.5	nd	1900
20467	.3	nd	2000
20468	.4	20	3000
20469	.5	nd	2400
20470	.9	10	2200
20471	.6	nd	850
20472	.8	30	700
20473	.9	nd	290
20474	.7	40	250
20475	.8	50	270
20476	.8	80	400
20477	.9	50	400
20478	.9	60	1100
20479	.8	10	1550
20480	1.4	40	750
20481	.8	nd	1200
20482	.3	20	900
20483	.6	nd	850
20484	.3	10	550
20485	.2	nd	650
20486	nd	nd	1350
20487	.4	20	1250
20488	.2	nd	750
20489	.4	nd	330
20490	.4	nd	290
20491	.2	nd	240
20492	.4	nd	260
20493	.4	nd	250
20494	.6	10	450
20495	.4	10	900
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20496	.3	20	1600
20497	.2	40	1150
20498	.1	nd	1500
20499	.2	10	1900
20500	.1	nd	1800
20501	.1	nd	100
20502	.1	nd	230
20503	.2	nd	250
20504	.2	nd	160
20505	.1	nd	500
20506	nd	nd	230
20507	nd	nd	390
20508	.3	nd	400
20509	.2	nd	450
20510	nd	nd	70
20511	.3	nd	450
20512	1.4	nd	180
20513	2.3	10	120
20514	.4	nd	650
20515	.8	nd	180
20516	.2	40	180
20517	.2	40	320
20518	nd	nd	45
20519	nd	nd	40
20520	nd	nd	45
20521	nd	nd	35
20522	nd	nd	35
20523	.4	nd	220
20524	.2	nd	135
20525	.6	nd	150
20526	.4	nd	240
20527	.5	nd	700
20528	.7	nd	700
20529	12.0	50	15
20530	16.4	150	nd
20531	.4	nd	160
20532	.4	nd	280
20533	.7	nd	500
20534	11.2	nd	500
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20535	87.0	80	40
20536	1.0	nd	170
20537	1.1	40	180
20538	.9	30	160
20539	1.1	nd	160
20540	.5	nd	240
20541	.7	30	340
20542	.6	nd	500
20543	1.7	30	1900
20544	nd	nd	400
20545	1.1	30	35
20546	.3	30	210
20547	.3	nd	800
20548	nd	nd	85
20549	nd	nd	80
20550	.1	nd	70
20551	.1	nd	50
20552	.3	nd	160
20553	.1	nd	70
20554	nd	nd	40
20555	.4	nd	550
20601	.4	25	900
20602	.5	30	1700
20603	.3	20	1700
20604	.4	30	1600
20605	.8	30	1000
20606	.5	20	700
20607	.2	10	1100
20608	.2	nd	1000
20609	.1	20	350
20610	.2	nd	400
20611	.2	10	280
20612	.2	10	240
20613	.3	nd	850
20614	.1	nd	230
20615	.2	nd	2200
20616	.4	nd	1100
20617	.8	20	900
20618	.7	nd	1450
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20619	.3	25	1600
20620	.2	10	1500
20621	.3	nd	1600
20622	.7	70	600
20623	.3	20	750
20624	.2	nd	1800
20625	.1	20	1850
20626	.3	nd	1200
20627	.3	10	1350
20628	.9	60	700
20629	nd	nd	160
20630	.1	nd	600
20631	nd	nd	600
20632	nd	nd	130
20633	nd	nd	400
20634	nd	nd	450
20635	nd	nd	600
20636	nd	nd	900
20637	nd	nd	400
20638	nd	nd	200
20639	nd	nd	135
20640	nd	nd	800
20641	nd	nd	170
20642	nd	45	350
20643	nd	nd	220
20644	nd	15	450
20645	nd	nd	250
20646	nd	nd	200
20647	nd	10	140
20648	nd	nd	120

DETECTION LIMIT 0.1 5 5

nd = none detected -- = not analysed is = insufficient sample

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MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: Aug 12 1988
REPORT#: 880913 GA
JOB#: 880913

PROJECT#: None given
SAMPLES ARRIVED: Aug 08 1988
REPORT COMPLETED: Aug 12 1988
ANALYSED FOR: Ag Au (FA/AAS) Hg

INVOICE#: 880913 NA
TOTAL SAMPLES: 14
SAMPLE TYPE: Rock
REJECTS: SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Clinton & Vancouver Office

PREPARED FOR: Mr. Duane Lucas

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 880913 SA JOB NUMBER: 880913 **SEVERN EXPLORATIONS LTD.** PAGE 1 OF 1

SAMPLE #	Ag	Au	Hg
	ppm	ppb	ppb
20556	1.4	20	105
20557	2.2	40	50
20586	2.8	20	800
20587	13.2	30	140
20588	34.0	150	35
20816	1.3	nd	170
20826	1.3	50	240
20827	.7	30	130
20835	.7	70	850
20842	.8	60	850
20856	.9	90	1200
20857	.6	50	500
20858	.5	40	340
20878	.4	30	230

DETECTION LIMIT 0.1 5 5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
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(604)251-5656 FAX:254-5717

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

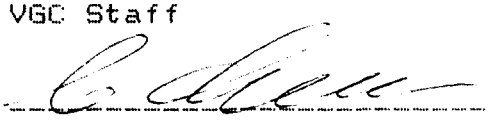
GEOCHEMICAL ANALYTICAL REPORT

CLIENT:	SEVERN EXPLORATIONS LTD.	DATE:	August 24 1988
ADDRESS:	510 - 850 W. Hastings St.		
:	Vancouver, B.C.	REPORT#:	880905 GA
:	V6C 1E1	JOB#:	880905
PROJECT#:	None given	INVOICE#:	880905 NA
SAMPLES ARRIVED:	Aug 09 1988	TOTAL SAMPLES:	347
REPORT COMPLETED:	August 24 1988	SAMPLE TYPE:	Rock
ANALYSED FOR:	Ag Au (FA/AAS) Hg	REJECTS:	SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Clinton & Vancouver Office

PREPARED FOR: Mr. Duane Lucas

ANALYSED BY: VGC Staff

SIGNED: 

GENERAL REMARK: Invoice sent to Vancouver office

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-57178

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

REPORT NUMBER: 880905 GA JOB NUMBER. 880905 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag	Au	Hg
	ppm	ppb	ppb
20187	.3	nd	290
20251	.2	nd	600
20252	.1	nd	170
20253	.1	nd	260
20254	.1	nd	850
20255	.1	nd	600
20256	.1	nd	1500
20257	.1	nd	500
20258	.1	nd	900
20259	.1	nd	1200
20260	.2	nd	1950
20261	.1	nd	1800
20262	.2	nd	600
20263	nd	nd	45
20264	.1	45	3900
20265	nd	nd	2100
20266	.1	nd	950
20267	.1	nd	1400
20268	.1	10	3200
20269	nd	nd	5000
20270	.1	nd	5000
20271	nd	1	5000
20272	nd	nd	3400
20273	.1	nd	2800
20274	nd	20	3200
20275	nd	25	5000
20276	nd	nd	5000
20277	.1	20	5000
20278	nd	10	3700
20279	nd	80	4500
20280	.1	nd	3400
20281	.1	nd	2300
20282	.1	nd	5000
20283	nd	nd	5000
20284	nd	nd	5000
20285	nd	nd	500
20286	nd	nd	150
20287	nd	nd	240
20288	nd	nd	75
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20289	nd	nd	95
20290	nd	20	130
20292	nd	nd	230
20293	.1	nd	270
20294	nd	nd	280
20295	nd	nd	260
20296	nd	20	280
20297	nd	10	400
20298	nd	10	175
20299	nd	10	180
20300	nd	80	270
20558	.4	10	260
20559	.6	10	260
20560	.3	5	75
20561	.5	10	220
20562	.4	10	115
20563	.5	nd	165
20564	1.1	20	190
20565	1.5	5	165
20566	1.5	30	170
20567	2.2	40	55
20568	1.4	35	240
20569	3.3	50	30
20570	2.5	60	20
20571	2.6	nd	80
20572	1.9	40	140
20573	2.1	20	115
20574	1.1	20	120
20575	1.6	30	180
20576	2.1	40	105
20577	.6	20	170
20578	1.0	20	25
20579	.7	25	190
20580	.7	nd	800
20581	1.4	30	270
20582	2.4	100	130
20583	1.6	30	210
20584	1.5	30	90
20585	1.8	30	105
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20589	.3	nd	160
20590	.2	nd	145
20591	.5	50	120
20592	.6	10	105
20593	.3	20	165
20594	.7	10	230
20595	2.0	15	160
20596	.6	40	1600
20597	.7	70	320
20598	.5	nd	1000
20599	1.0	40	700
20600	.5	10	700
20646	.1	nd	160
20647	nd	nd	190
20648	nd	nd	100
20649	nd	40	115
20650	.1	nd	200
20651	nd	nd	360
20652	nd	10	650
20653	.1	5	700
20654	.1	10	650
20655	nd	nd	500
20656	.1	nd	220
20657	nd	10	450
20658	nd	nd	500
20659	.1	10	650
20660	.1	nd	450
20661	.1	nd	700
20662	.1	10	1000
20663	nd	nd	650
20664	.1	nd	1650
20665	nd	nd	1400
20666	nd	10	90
20667	nd	nd	95
20668	nd	90	55
20669	nd	10	240
20670	.1	10	105
20671	nd	nd	125
20672	nd	nd	100
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
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Vancouver, B.C. V5L 1K5 3
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BRANCH OFFICE
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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20673	nd	10	800
20674	nd	10	850
20675	.1	20	850
20676	.1	10	500
20677	nd	nd	250
20678	.1	nd	450
20679	.2	10	750
20680	nd	nd	500
20681	nd	10	270
20682	nd	nd	500
20683	nd	nd	450
20684	nd	nd	350
20685	.1	nd	500
20686	nd	nd	700
20687	.2	10	900
20688	.1	nd	400
20689	nd	10	450
20690	.1	10	500
20691	nd	20	230
20692	nd	10	210
20693	nd	20	80
20694	nd	10	130
20695	.1	10	290
20696	nd	nd	270
20697	.2	10	320
20698	.1	10	390
20699	.1	nd	300
20700	nd	5	320
20701	.1	nd	800
20702	.3	10	230
20703	2.1	10	250
20704	nd	5	20
20801	.6	30	210
20802	.4	10	1500
20803	.6	30	800
20804	1.4	10	1000
20805	.3	30	900
20806	.5	20	350
20807	.9	20	650
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5 P 2S3
(604)251-5656 FAX:254-5717 2578

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

REPORT NUMBER: 880905 GA JOB NUMBER: 880905 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20808	.5	20	280
20809	.4	50	600
20810	.3	20	170
20811	.1	20	150
20812	.1	10	150
20813	.1	5	120
20814	.1	5	140
20815	.1	10	80
20817	.2	nd	175
20818	.2	10	105
20819	.3	nd	120
20820	.2	nd	110
20821	.3	nd	160
20822	.6	nd	125
20823	.2	nd	310
20824	.4	10	340
20825	2.1	30	600
20828	.5	20	260
20829	.6	50	300
20830	.9	30	290
20831	.5	30	320
20832	.2	45	330
20833	.5	100	550
20834	.3	60	600
20836	.4	20	160
20837	.4	20	180
20838	.2	20	260
20839	.3	10	300
20840	.1	nd	310
20841	.2	nd	370
20843	.9	nd	120
20844	.4	nd	150
20845	.1	nd	350
20846	.3	10	700
20847	1.7	nd	85
20848	1.7	30	145
20849	3.3	70	125
20850	.5	40	340
20851	1.3	60	600
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20852	1.1	70	600
20853	.6	85	550
20854	.8	70	600
20855	.7	70	900
20859	.3	20	550
20860	.6	20	700
20861	.3	10	700
20862	.2	10	900
20863	.3	5	700
20864	.5	10	900
20865	.2	10	600
20866	.2	10	600
20867	.2	nd	950
20868	.4	30	1000
20869	.5	30	600
20870	.3	10	450
20871	.3	20	600
20872	.2	25	450
20873	.1	nd	500
20874	.1	5	400
20875	.2	nd	500
20876	.2	10	1500
20877	.2	10	900
20879	.4	10	600
20880	.5	20	1050
20881	.6	20	700
20882	.5	20	800
20883	.4	10	500
20884	.4	10	600
20885	.5	20	340
20886	.4	20	290
20887	.4	10	500
20888	.5	nd	500
20889	.5	nd	550
20890	.5	10	360
20891	.5	10	310
20892	.5	10	160
20893	.6	nd	280
20894	.5	10	340
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
20895	.4	nd	140
20896	.5	10	110
20897	.4	nd	100
20898	.5	nd	200
20899	.4	nd	370
20900	.3	nd	390
20901	.3	nd	400
20902	.3	nd	950
20903	.5	nd	600
20904	.5	10	190
20905	.4	10	160
20906	.4	10	400
20907	.5	nd	600
20908	.3	nd	700
20909	.4	10	700
20910	.5	nd	310
20911	.6	10	500
20912	.5	20	650
20913	.5	10	260
20914	.5	nd	180
20915	.4	nd	105
20916	.4	nd	500
20917	.3	nd	290
20918	.4	nd	310
20919	.5	nd	320
20920	.5	nd	400
20921	.4	nd	170
20922	.2	nd	750
20923	.4	nd	550
20924	1.3	nd	400
20925	.5	nd	180
20926	.6	nd	170
20927	.4	nd	160
20928	.5	nd	2200
20929	.6	20	1050
20930	.6	nd	1550
20931	.6	nd	2600
20932	1.6	5	1500
20933	.8	nd	230
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

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Vancouver, B.C. V5L 1K5
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BRANCH OFFICE
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VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20934	.7	nd	550
20935	.6	nd	450
20936	.5	nd	650
20937	.7	nd	400
20938	.6	nd	260
20939	.5	nd	450
20940	.4	nd	600
20941	.4	nd	450
20942	.4	nd	200
20943	.5	nd	500
20944	.2	nd	550
20945	.3	nd	300
20949	.4	nd	550
20950	.5	nd	400
20951	.2	nd	300
20952	.4	nd	220
20953	.5	nd	105
20954	.5	nd	140
20955	.4	nd	270
20956	.3	nd	80
20957	.4	nd	200
20958	.4	nd	1300
20959	.2	nd	4500
20960	.3	nd	2800
20961	.2	nd	3500
20962	.2	nd	5000
20963	.2	nd	5000
20964	.2	nd	5000
20965	.2	nd	5000
20966	.2	nd	4500
20967	.3	nd	4000
20968	.4	nd	3000
20969	.3	nd	5000
20970	.3	nd	5000
20971	.3	nd	5000
20972	.3	nd	5000
20973	.4	nd	5000
20974	.4	nd	5000
20975	.4	nd	3800
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 880905 GA JOB NUMBER: 880905 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
20976	.3	nd	2700
20977	.3	nd	1100
20978	.3	nd	1400
20979	.3	nd	300
20980	.4	nd	170
20981	.2	nd	340
20982	.4	nd	210
20983	.3	nd	550
20984	.3	nd	400
20985	.2	nd	450
20986	.2	nd	200
20987	.3	nd	180
20988	.3	nd	220
44101	.4	nd	150
44102	.3	nd	500
44103	.3	nd	550
44104	.3	nd	280
44105	.4	nd	700
44106	.2	nd	800
44107	.2	nd	1300
44108	.3	nd	1800
44109	.3	nd	1650
44110	.2	nd	550
44111	.3	nd	190
44112	.4	nd	105
44113	.3	nd	140
44114	.2	nd	280
44115	.1	nd	500
44116	.3	nd	1350
44117	.4	nd	2200
44118	.3	nd	240
44151	.4	nd	400
44152	.2	nd	850
44153	.4	nd	160
44154	.4	nd	140
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: August 26 1988
REPORT#: 880964 GA
JOB#: 880964

PROJECT#: None given
SAMPLES ARRIVED: Aug 12 1988
REPORT COMPLETED: August 26 1988
ANALYSED FOR: Ag Au (FA/AAS) Hg

INVOICE#: 880964 NA
TOTAL SAMPLES: 90
SAMPLE TYPE: Rock
REJECTS: SAVED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Clinton & Vancouver Office

PREPARED FOR: Mr. Duane Lucas

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VANGEOCHEM LAB LIMITED

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

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

REPORT NUMBER: 880964 GA JOB NUMBER: 880964 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
44155	nd	10	50
44156	nd	15	10
44157	nd	nd	20
44158	nd	nd	2100
44159	nd	nd	2400
44160	nd	nd	1200
44161	nd	nd	1200
44162	nd	nd	1000
44163	nd	5	2900
44164	nd	nd	4100
44165	nd	10	>5000
44166	nd	nd	2300
44167	nd	nd	2300
44168	nd	nd	>5000
44169	nd	nd	3600
44170	nd	nd	>5000
44171	nd	nd	>5000
44172	nd	10	3400
44173	nd	nd	4500
44174	nd	nd	>5000
44175	nd	20	>5000
44176	nd	10	>5000
44177	nd	nd	>5000
44178	nd	nd	>5000
44179	nd	nd	>5000
44180	nd	5	>5000
44181	nd	10	>5000
44182	nd	10	>5000
44183	nd	nd	800
44184	nd	nd	>5000
44185	nd	nd	>5000
44186	nd	nd	>5000
44187	nd	nd	>5000
44188	nd	nd	>5000
44189	nd	nd	>5000
44190	nd	nd	3400
44191	nd	nd	>5000
44192	nd	nd	1200
44193	nd	nd	1100
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
44194	nd	nd	>5000
44195	nd	20	1600
44196	nd	nd	1900
44197	.1	10	>5000
44198	nd	nd	>5000
44199	nd	nd	850
44200	nd	nd	1300
44201	nd	nd	1200
44202	nd	30	1150
44203	nd	nd	1250
44204	nd	nd	600
44205	nd	nd	1400
44206	nd	nd	1550
44207	nd	nd	>5000
44208	nd	nd	>5000
44209	nd	nd	>5000
44210	nd	20	>5000
44211	nd	nd	>5000
44212	nd	nd	>5000
44213	nd	nd	>5000
44214	nd	nd	4000
44215	nd	nd	4500
44216	nd	90	>5000
44217	nd	nd	>5000
44218	nd	10	2500
44219	nd	nd	2600
44220	.1	nd	>5000
44221	nd	nd	>5000
44222	nd	nd	3100
44223	nd	nd	2900
44224	nd	nd	2600
44225	nd	nd	2400
44226	nd	nd	4800
44227	nd	nd	2300
44228	nd	nd	2500
44229	nd	nd	2100
44230	nd	nd	>5000
44231	nd	nd	>5000
44232	nd	nd	>5000
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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

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

REPORT NUMBER: 880964 GA JOB NUMBER: 880964 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag	Au	Hg
	ppm	ppb	ppb
44233	nd	nd	>5000
44234	nd	nd	>5000
44235	nd	nd	> 5000
44236	nd	nd	> 5000
44237	nd	nd	> 5000
44238	nd	nd	>5000
44239	nd	nd	2600
44240	nd	10	1400
44241	nd	10	700
44242	nd	nd	700
44243	nd	10	800
44244	nd	10	1100

DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

Appendix 2

Check Analyses

Chemex Labs Ltd.
Analytical Chemists • Geochemists • Registered Assayers
212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

TO: SEVERN EXPLORATIONS LIMITED
510 - 850 W. HASTINGS ST.
VANCOUVER, BC
V6C 1E2
Project :
Comments: CC: THOMAS HEINE

Page No. : 1
Tot. Pages: 3
Date : 12-SEP-88
Invoice # : I-8822215
P.O. # : NONE

CERTIFICATE OF ANALYSIS A8822215

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm Aqua R	Hg ppb
20023	214	--	35	0.1	60
20024	214	--	65	0.3	90
20025	214	--	75	0.2	60
20026	214	--	95	0.2	130
20027	214	--	120	0.1	70
20028	214	--	70	0.1	110
20029	214	--	45	0.1	90
20030	214	--	70	0.1	110
20031	214	--	55	0.1	80
20032	214	--	65	0.1	470
20069	214	--	65	29.0	50
20070	214	--	15	0.3	90
20071	214	--	20	0.1	140
20072	214	--	10	0.1	180
20073	214	--	5	0.1	270
20074	214	--	< 5	0.1	190
20075	214	--	35	0.1	340
20076	214	--	15	0.1	460
20077	214	--	10	0.1	330
20078	214	--	10	0.1	170
20079	214	--	25	0.1	380
20080	214	--	10	0.1	110
20081	214	--	15	0.1	190
20082	214	--	15	0.1	470
20083	214	--	10	0.1	180
20084	214	--	35	0.1	380
20085	214	--	60	0.1	520
20086	214	--	5	0.1	290
20087	214	--	20	0.1	250
20088	214	--	15	0.1	260
20089	214	--	15	0.1	330
20090	214	--	20	0.1	270
20091	214	--	25	0.1	170
20092	214	--	5	0.1	180
20093	214	--	10	0.1	160
20094	214	--	10	0.1	360
20095	214	--	5	0.1	170
20096	214	--	< 5	0.1	130
20113	214	--	< 5	0.1	140
20153	214	--	30	1.4	280

CERTIFICATION : Mark Vinh

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 BROOKSBANK AVE. NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

TO: SEVERN EXPLORATIONS LIMITED

510 - 850 W. HASTINGS ST.
VANCOUVER, BC
V6C 1E2

Project :
Comments: CC: THOMAS HEINE

Date :12-SEP-88
Invoice # :I-8822215
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8822215

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm Aqua R	Hg ppb
20154	214	--	20	1.2	270
20155	214	--	< 5	1.1	260
20158	214	--	< 5	1.3	1600
20558	214	--	< 5	0.1	280
20559	214	--	< 5	0.1	320
20560	214	--	< 5	0.1	90
20561	214	--	< 5	0.1	250
20562	214	--	< 5	0.1	190
20563	214	--	< 5	0.2	250
20564	214	--	< 5	0.7	280
20565	214	--	15	1.1	270
20566	214	--	15	1.0	270
20567	214	--	35	1.4	200
20568	214	--	35	0.9	340
20569	214	--	45	3.0	330
20570	214	--	45	2.3	280
20571	214	--	35	2.5	320
20572	214	--	35	1.8	410
20573	214	--	25	2.0	330
20574	214	--	25	1.0	310
20575	214	--	25	1.4	380
20576	214	--	25	1.9	350
20577	214	--	< 5	0.4	250
20578	214	--	10	0.8	310
20579	214	--	< 5	0.5	270
20580	214	--	< 5	0.4	750
20581	214	--	25	1.3	380
20582	214	--	120	2.4	560
20583	214	--	25	1.4	320
20584	214	--	25	1.4	220
20585	214	--	20	1.4	190
20817	214	--	< 5	0.1	200
20818	214	--	< 5	0.1	140
20819	214	--	< 5	0.1	150
20820	214	--	< 5	0.1	120
20821	214	--	< 5	0.1	180
20822	214	--	< 5	0.3	260
20823	214	--	< 5	0.1	320
20824	214	--	< 5	0.1	380
20825	214	--	10	2.1	610

CERTIFICATION : Thanh Vinh

Chemex Labs Ltd.
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BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

To: SEVERN EXPLORATIONS LIMITED

510 - 850 W. HASTINGS ST.
VANCOUVER, BC
V6C 1E2

Project :
Comments: CC: THOMAS HEINE

Date :12-SEP-88
Invoice # :I-8822215
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8822215

SAMPLE DESCRIPTION	PREP CODE		Au ppb FA+AA	Ag ppm Aqua R	Hg ppb
20826	214	--	15	1.4	270
20827	214	--	10	0.3	170
20828	214	--	< 5	0.4	270
20829	214	--	40	0.6	310
20830	214	--	40	0.8	320
20831	214	--	40	0.4	370
20832	214	--	45	0.4	310
20833	214	--	70	0.3	420
20834	214	--	80	0.3	470
20835	214	--	35	0.3	730
20836	214	--	25	0.3	180
20837	214	--	15	0.2	170
20838	214	--	< 5	0.1	250
20839	214	--	< 5	0.1	300
20840	214	--	< 5	0.1	290
20841	214	--	< 5	0.1	410
20842	214	--	50	0.3	810

CERTIFICATION :

Chemex Labs Ltd.
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212 BROOKSBANK AVE., NORTH VANCOUVER,
BRITISH COLUMBIA, CANADA V7J-2C1
PHONE (604) 984-0221

...SEVERN EXPLORATION LTD.
780 - 885 DUNSMUIR ST.
VANCOUVER, BC
V6C 1N8

Project :
Comments: ATTN: DUANE LUCAS

Tot. Pa
Date :03- 88
Invoice # :I-8819777
P.O. # :NONE

CERTIFICATE OF ANALYSIS A8819777

SAMPLE DESCRIPTION	PREP CODE		Au tot g/tonne	Au - g/tonne	Au + mg	Wt. + grams	Wt. - grams	Ag ppm Aqua R	Hg ppb
20152	236	---	0.14	0.14	< 0.001	6.60	210	1.3	120
20153	236	---	0.07	0.07	< 0.001	6.90	207	1.4	330
20154	236	---	0.07	0.07	< 0.001	6.90	224	1.4	340
20155	236	---	< 0.07	< 0.07	< 0.001	5.10	264	1.3	300
20156	236	---	0.27	0.27	< 0.001	4.90	230	2.9	510
20246	236	---	0.07	0.07	< 0.001	5.80	243	1.4	320
20247	236	---	< 0.07	< 0.07	< 0.001	5.20	241	2.2	410
20248	236	---	0.07	0.07	< 0.001	5.70	234	2.0	370
20249	236	---	0.14	0.14	< 0.001	6.40	270	1.4	530
20250	236	---	0.07	0.07	< 0.001	5.60	190	1.5	310

CERTIFICATION : W. Stone Brissie

ALL ASSAY DETERMINATIONS ARE PERFORMED OR SUPERVISED BY B.C. CERTIFIED ASSAYERS

Appendix 3

Geochemical Analyses of Soil Samples

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 988-5211 TELEX 04-352578

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 575 - 885 Dunsmuir St.
: Vancouver, B.C.
: V6C 1N9

DATE: July 19 1988
REPORT#: 880681 GA
JOB#: 880681

PROJECT#: None
SAMPLES ARRIVED: July 11 1988
REPORT COMPLETED: July 19 1988
ANALYSED FOR: Ag Au Hg

INVOICE#: 880681 NA
TOTAL SAMPLES: 147
SAMPLE TYPE: ~~Rock~~ Soil
REJECTS: DISCARDED

SAMPLES FROM: Mr. Fayz Yacoub
COPY SENT TO: Clinton, B.C.

PREPARED FOR: Mr. Fayz Yacoub

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Courtenay Office

VGC

VANGEOCHEM LAB LIMITED

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

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

REPORT NUMBER: 880681 GA JOB NUMBER: 880681 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 7+50S 4+00E	nd	5	45
L 7+50S 4+20E	nd	10	70
L 7+50S 4+40E	nd	nd	125
L 7+50S 4+60E	nd	nd	80
L 7+50S 4+80E	nd	nd	50
L 7+50S 5+00E	nd	5	55
L 7+50S 5+20E	nd	nd	60
L 7+50S 5+40E	nd	10	75
L 7+50S 5+60E	nd	nd	50
L 7+50S 5+80E	.1	nd	55
L 7+50S 6+00E	.1	10	55
L 7+50S 6+20E	nd	10	80
L 7+50S 6+40E	nd	nd	45
L 7+50S 6+60E	nd	nd	160
L 7+50S 6+80E	nd	15	330
L 7+50S 7+00E	nd	nd	65
L 7+50S 7+20E	nd	nd	45
L 7+50S 7+40E	nd	nd	90
L 7+50S 7+60E	nd	nd	60
L 8+00S 4+00E	nd	nd	45
L 8+00S 4+20E	.1	5	60
L 8+00S 4+40E	.5	nd	70
L 8+00S 4+60E	.1	nd	240
L 8+00S 4+80E	.1	nd	65
L 8+00S 5+00E	nd	20	50
L 8+00S 5+20E	nd	10	50
L 8+00S 5+40E	nd	10	45
L 8+00S 5+60E	.2	10	45
L 8+00S 5+80E	nd	10	50
L 8+00S 6+00E	nd	nd	70
L 8+00S 6+20E	nd	5	175
L 8+00S 6+40E	nd	nd	60
L 8+00S 6+60E	nd	nd	100
L 8+00S 6+80E	nd	10	60
L 8+00S 7+00E	nd	nd	45
L 8+00S 7+20E	nd	nd	160
L 8+00S 7+40E	nd	nd	60
L 8+00S 7+60E	nd	5	55
L 8+50S 4+00E	nd	5	45
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

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

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

REPORT NUMBER: 880681 GA JOB NUMBER: 880681 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 8+50S 4+20E	.1	10	70
L 8+50S 4+40E	.2	10	90
L 8+50S 4+60E	.1	nd	70
L 8+50S 4+80E	.1	nd	65
L 8+50S 5+00E	nd	5	60
L 8+50S 5+20E	nd	nd	70
L 8+50S 5+40E	.2	20	40
L 8+50S 5+60E	nd	15	35
L 8+50S 5+80E	.1	nd	330
L 8+50S 6+00E	.1	10	140
L 8+50S 6+20E	.3	5	65
L 8+50S 6+40E	.1	30	40
L 8+50S 6+60E	nd	5	60
L 8+50S 6+80E	nd	5	55
L 8+50S 7+00E	nd	5	65
L 8+50S 7+20E	nd	5	40
L 8+50S 7+40E	nd	5	30
L 8+50S 7+60E	nd	nd	50
L 9+00S 4+00E	.3	5	50
L 9+00S 4+20E	.3	5	80
L 9+00S 4+40E	.4	15	500
L 9+00S 4+60E	.2	30	95
L 9+00S 4+80E	nd	nd	40
L 9+00S 5+00E	nd	5	75
L 9+00S 5+20E	.1	nd	100
L 9+00S 5+40E	.1	nd	50
L 9+00S 5+60E	.1	5	65
L 9+00S 5+80E	.1	nd	50
L 9+00S 6+00E	nd	5	60
L 9+00S 6+20E	nd	5	40
L 9+00S 6+40E	nd	nd	45
L 9+00S 6+60E	.1	15	45
L 9+00S 6+80E	nd	nd	75
L 9+00S 7+00E	nd	5	60
L 9+00S 7+20E	nd	5	60
L 9+00S 7+40E	nd	5	75
L 9+00S 7+60E	nd	10	65
L 9+50S 4+00E	.1	10	140
L 9+50S 4+20E	.8	nd	240
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE.
NORTH VANCOUVER, B.C. V7P 2S3
(604) 986-6211 TELEX: 04-352578

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

REPORT NUMBER: 880681 GA JOB NUMBER: 880681 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 9+50S 4+40E	.2	5	90
L 9+50S 4+60E	nd	5	80
L 9+50S 4+80E	nd	nd	50
L 9+50S 5+00E	.1	nd	155
L 9+50S 5+20E	nd	nd	50
L 9+50S 5+40E	nd	nd	60
L 9+50S 5+60E	nd	nd	65
L 9+50S 5+80E	nd	10	165
L 9+50S 6+00E	nd	nd	55
L 9+50S 6+20E	nd	nd	45
L 9+50S 6+40E	nd	nd	40
L 9+50S 6+60E	nd	nd	40
L 9+50S 6+80E	nd	nd	60
L 9+50S 7+00E	nd	nd	65
L 9+50S 7+20E	nd	nd	400
L 9+50S 7+40E	nd	5	110
L 9+50S 7+60E	nd	nd	110
L 9+50S 7+80E	nd	nd	60
L 9+50S 8+00E	nd	nd	60
L10+00S 4+20E	nd	nd	85
L10+00S 4+40E	nd	nd	55
L10+00S 4+60E	.1	nd	60
L10+00S 4+80E	.7	nd	25
L10+00S 5+00E	nd	nd	50
L10+00S 5+20E	nd	nd	125
L10+00S 5+40E	nd	nd	80
L10+00S 5+60E	nd	nd	40
L10+00S 5+80E	nd	nd	50
L10+00S 6+00E	nd	nd	50
L10+00S 6+40E	nd	5	65
L10+00S 6+60E	nd	5	160
L10+00S 6+80E	nd	5	70
L10+00S 7+00E	nd	nd	385
L10+00S 7+20E	nd	nd	65
L10+00S 7+40E	nd	nd	70
L10+00S 7+60E	nd	5	40
L10+00S 7+80E	nd	nd	70
L10+00S 8+00E	nd	nd	55
L 6+00S 0+00	nd	nd	35
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE
1521 PEMBERTON AVE
NORTH VANCOUVER, B.C. V7P 2S3
(604) 988-5211 TELEX: 04-352578

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

REPORT NUMBER: 880681 GA JOB NUMBER: 880681 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 6+00S 0+20W	nd	5	80
L 6+00S 0+40W	nd	10	60
L 6+00S 0+60W	nd	nd	75
L 6+00S 0+80W	nd	nd	260
L 6+00S 1+00W	nd	nd	70
L 6+00S 1+20W	nd	5	75
L 6+00S 1+40W	nd	nd	60
L 6+00S 1+60W	nd	nd	75
L 6+00S 1+80W	nd	nd	90
L 6+00S 2+00W	nd	nd	50
L 6+00S 2+20W	nd	5	65
L 6+00S 2+40W	nd	nd	90
L 6+00S 2+60W	nd	nd	85
L 6+00S 2+80W	nd	nd	115
L 6+00S 3+00W	nd	nd	100
L 6+00S 3+20W	nd	5	50
L 6+00S 3+40W	nd	5	50
L 6+00S 3+60W	nd	nd	50
L 6+00S 3+80W	nd	nd	60
L 6+00S 4+00W	nd	nd	45
L 6+00S 4+10W	nd	nd	60
L 6+00S 4+20W	nd	nd	35
L 6+00S 4+30W	nd	nd	50
L 6+00S 4+40W	nd	nd	80
L 6+00S 4+50W	nd	nd	35
L 6+00S 4+60W	nd	nd	40
L 6+00S 4+70W	nd	nd	40
L 6+00S 4+80W	nd	nd	40
L 6+00S 4+90W	nd	nd	35
L 6+00S 5+00W	nd	nd	40
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: July 22 1988
REPORT#: 880716 GA
JOB#: 880716

PROJECT#: None given
SAMPLES ARRIVED: July 15 1988
REPORT COMPLETED: July 22 1988
ANALYSED FOR: Ag Au Hg

INVOICE#: 880716 NA
TOTAL SAMPLES: 341
SAMPLE TYPE: Soils
REJECTS: DISCARDED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Vancouver & Clinton Offices

PREPARED FOR: Mr. Thomas H. Heine

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

REPORT NUMBER: 880716 GA JOB NUMBER: 880716 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 7+00S 00W	.1	5	40
L 7+00S 0+20W	.1	5	55
L 7+00S 0+40W	.1	5	55
L 7+00S 0+60W	.1	5	45
L 7+00S 0+80W	.1	5	30
L 7+00S 1+00W	.1	15	70
L 7+00S 1+20W	.1	5	30
L 7+00S 1+40W	.1	5	260
L 7+00S 1+60W	.1	5	50
L 7+00S 1+80W	nd	5	80
L 7+00S 2+00W	nd	nd	40
L 7+00S 2+20W	.1	10	35
L 7+00S 2+40W	.1	10	105
L 7+00S 2+60W	.1	10	350
L 7+00S 2+80W	.1	10	80
L 7+00S 3+00W	.1	5	75
L 7+00S 3+10W	.1	10	45
L 7+00S 3+20W	.2	5	55
L 7+00S 3+30W	.1	10	60
L 7+00S 3+40W	.1	nd	55
L 7+00S 3+50W	.2	5	30
L 7+00S 3+60W	.1	10	110
L 7+00S 3+70W	.1	5	45
L 7+00S 3+80W	.4	5	40
L 7+00S 3+90W	.2	5	40
L 7+00S 4+00W	.3	5	40
L 7+00S 4+10W	.2	5	40
L 7+00S 4+20W	.2	10	40
L 7+00S 4+30W	.1	25	20
L 7+00S 4+40W	.1	10	20
L 7+00S 4+50W	.3	10	45
L 7+00S 4+60W	.2	nd	30
L 7+00S 4+70W	.1	10	25
L 7+00S 4+80W	.1	15	20
L 7+00S 4+90W	.1	5	30
L 7+00S 5+00W	.2	10	45
L 8+00S 000 BL	.2	10	25
L 8+00S 0+10W	.1	nd	20
L 8+00S 0+20W	.1	5	260
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 8+00S 0+30W	.1	10	20
L 8+00S 0+40W	.2	5	65
L 8+00S 0+50W	.3	10	50
L 8+00S 0+60W	.3	10	45
L 8+00S 0+70W	.1	10	90
L 8+00S 0+80W	.1	5	65
L 8+00S 0+90W	.1	15	45
L 8+00S 1+00W	.1	5	45
L 8+00S 1+10W	.2	10	55
L 8+00S 1+20W	.2	15	10
L 8+00S 1+30W	.6	25	160
L 8+00S 1+40W	.1	5	140
L 8+00S 1+50W	.2	5	200
L 8+00S 1+60W	.2	10	60
L 8+00S 1+70W	.2	10	105
L 8+00S 1+80W	.2	15	120
L 8+00S 1+90W	.2	nd	65
L 8+00S 2+00W	.1	nd	70
L 8+00S 2+10W	nd	nd	80
L 8+00S 2+20W	.1	nd	60
L 8+00S 2+30W	.1	nd	50
L 8+00S 2+40W	.2	nd	85
L 8+00S 2+50W	.2	nd	35
L 8+00S 2+60W	.2	10	45
L 8+00S 2+70W	.2	10	65
L 8+00S 2+80W	.1	nd	240
L 8+00S 2+90W	.1	5	60
L 8+00S 3+00W	.3	10	30
L 8+00S 3+10W	.1	10	50
L 8+00S 3+20W	.1	5	30
L 8+00S 3+30W	nd	5	80
L 8+00S 3+40W	nd	nd	30
L 8+00S 3+50W	.1	10	50
L 8+00S 3+60W	.2	15	30
L 8+00S 3+70W	.1	15	40
L 8+00S 3+80W	.2	15	40
L 8+00S 3+90W	.1	10	30
L 8+00S 4+00W	.1	20	50
L 8+00S 4+10W	.1	10	30
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 8+00S 4+20W	.2	30	25
L 8+00S 4+30W	nd	10	30
L 8+00S 4+40W	.1	10	40
L 8+00S 4+50W	.1	nd	40
L 8+00S 4+60W	.1	10	90
L 8+00S 4+70W	.2	5	50
L 8+00S 4+80W	.1	15	30
L 8+00S 4+90W	.2	5	35
L 8+00S 5+00W	.1	10	45
L 9+00S BL	.2	5	40
L 9+00S 0+10W	nd	5	85
L 9+00S 0+20W	.1	10	70
L 9+00S 0+30W	.2	10	60
L 9+00S 0+40W	.2	10	60
L 9+00S 0+50W	.2	20	90
L 9+00S 0+60W	.2	15	60
L 9+00S 0+70W	.2	10	70
L 9+00S 0+80W	.1	nd	80
L 9+00S 0+90W	.2	nd	155
L 9+00S 1+00W	.2	10	80
L 9+00S 1+10W	.1	10	50
L 9+00S 1+20W	.1	10	80
L 9+00S 1+30W	.2	5	55
L 9+00S 1+40W	.2	15	80
L 9+00S 1+50W	-.1	nd	80
L 9+00S 1+60W	.4	nd	90
L 9+00S 1+70W	.1	10	110
L 9+00S 1+80W	.1	5	100
L 9+00S 1+90W	.2	5	55
L 9+00S 2+00W	.1	nd	60
L 9+00S 2+10W	.1	5	95
L 9+00S 2+20W	.1	nd	75
L 9+00S 2+30W	.1	5	80
L 9+00S 2+40W	.1	15	105
L 9+00S 2+50W	2.5	10	65
L 9+00S 2+60W	.1	5	45
L 9+00S 2+70W	.1	nd	110
L 9+00S 2+90W	nd	10	40
L 9+00S 3+00W	.1	10	90
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 9+00S 3+10W	.1	20	165
L 9+00S 3+20W	.1	20	60
L 9+00S 3+30W	.5	nd	70
L 9+00S 3+40W	.2	5	40
L 9+00S 3+50W	.2	5	440
L 9+00S 3+60W	.2	10	90
L 9+00S 3+70W	.2	nd	60
L 9+00S 3+80W	.2	nd	205
L 9+00S 3+90W	nd	nd	60
L 9+00S 4+00W	.2	5	50
L 9+00S 4+10W	.2	10	50
L 9+00S 4+20W	.2	10	30
L 9+00S 4+30W	.6	10	100
L 9+00S 4+40W	.4	10	145
L 9+00S 4+50W	.2	15	80
L 9+00S 4+60W	nd	nd	55
L 9+00S 4+70W	.1	5	40
L 9+00S 4+80W	.3	5	45
L 9+00S 4+90W	.2	5	40
L 9+00S 5+00W	nd	10	30
L10+50S BL	.1	10	85
L10+50S 0+10W	.1	10	50
L10+50S 0+20W	.1	25	500
L10+50S 0+30W	.1	10	65
L10+50S 0+40W	.1	10	95
L10+50S 0+50W	.1	5	110
L10+50S 0+60W	.1	nd	110
L10+50S 0+70W	.1	5	140
L10+50S 0+80W	.2	10	90
L10+50S 0+90W	.4	10	90
L10+50S 1+00W	.3	10	140
L10+50S 1+10W	.3	25	120
L10+50S 1+20W	.3	10	110
L10+50S 1+30W	.2	5	85
L10+50S 1+40W	.2	5	45
L10+50S 1+50W	.3	10	130
L10+50S 1+60W	.3	5	260
L10+50S 1+70W	.2	15	65
L10+50S 1+80W	.3	10	55
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L10+50S 1+90W	.4	5	120
L10+50S 2+00W	.5	15	400
L10+50S 2+10W	.2	10	160
L10+50S 2+20W	.2	5	450
L10+50S 2+30W	.3	5	155
L10+50S 2+40W	.2	15	85
L10+50S 2+50W	.2	10	125
L10+50S 2+60W	.4	20	120
L10+50S 2+70W	.4	5	120
L10+50S 2+80W	.2	nd	190
L10+50S 2+90W	.1	10	120
L10+50S 3+00W	.2	5	60
L10+50S 3+10W	.2	10	60
L10+50S 3+20W	.2	10	70
L10+50S 3+30W	nd	15	50
L10+50S 3+40W	.2	10	100
L10+50S 3+50W	.2	15	60
L10+50S 3+60W	.2	15	65
L10+50S 3+70W	.2	nd	65
L10+50S 3+80W	.2	5	60
L10+50S 3+90W	.1	15	90
L10+50S 4+00W	.1	20	150
L10+50S 4+10W	.1	5	65
L10+50S 4+20W	.1	20	80
L10+50S 4+30W	.2	10	45
L10+50S 4+40W	.2	10	50
L10+50S 4+50W	.2	10	60
L10+50S 4+60W	.2	10	130
L10+50S 4+70W	.3	5	160
L10+50S 4+80W	.2	15	120
L10+50S 4+90W	.2	15	55
L10+50S 5+00W	.1	20	80
L11+00S BL	.3	15	75
L11+00S 0+10W	.2	10	700
L11+00S 0+20W	.3	20	75
L11+00S 0+30W	.2	10	85
L11+00S 0+40W	.2	15	45
L11+00S 0+50W	.3	10	115
L11+00S 0+60W	.2	5	115
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L11+00S 0+70W	.2	10	110
L11+00S 0+80W	.2	10	60
L11+00S 0+90W	.2	5	80
L11+00S 1+00W	.2	nd	105
L11+00S 1+10W	.1	nd	90
L11+00S 1+20W	.1	10	185
L11+00S 1+30W	.2	5	120
L11+00S 1+40W	.2	10	110
L11+00S 1+50W	.2	5	75
L11+00S 1+60W	.2	10	70
L11+00S 1+70W	.2	15	75
L11+00S 1+80W	.2	5	80
L11+00S 1+90W	.2	10	230
L11+00S 2+00W	.1	5	230
L11+00S 2+10W	.3	10	450
L11+00S 2+20W	.2	10	145
L11+00S 2+30W	.1	15	85
L11+00S 2+40W	.1	nd	260
L11+00S 2+50W	.1	5	90
L11+00S 2+60W	.1	5	120
L11+00S 2+70W	.1	nd	420
L11+00S 2+80W	nd	nd	145
L11+00S 2+90W	.1	nd	180
L11+00S 3+00W	nd	nd	125
L11+00S 3+10W	.1	nd	500
L11+00S 3+20W	.1	5	55
L11+00S 3+30W	nd	5	165
L11+00S 3+40W	.1	10	85
L11+00S 3+50W	nd	5	120
L11+00S 3+60W	nd	10	90
L11+00S 3+70W	nd	10	75
L11+00S 3+80W	.1	10	140
L11+00S 3+90W	nd	nd	70
L11+00S 4+00W	nd	nd	60
L11+00S 4+10W	.1	10	70
L11+00S 4+20W	.1	10	55
L11+00S 4+30W	.1	5	60
L11+00S 4+40W	.1	20	80
L11+00S 4+50W	.1	5	45
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L11+00S 4+60W	nd	nd	60
L11+00S 4+70W	nd	15	65
L11+00S 4+80W	nd	50	260
L11+00S 4+90W	nd	20	90
L11+00S 5+00W	nd	5	60
L11+50S BL	.1	15	140
L11+50S 0+10W	.2	15	70
L11+50S 0+20W	.1	10	85
L11+50S 0+30W	.1	nd	50
L11+50S 0+40W	.2	15	55
L11+50S 0+50W	.3	20	70
L11+50S 0+60W	.1	5	90
L11+50S 0+70W	.1	15	90
L11+50S 0+80W	.1	nd	70
L11+50S 0+90W	.1	20	60
L11+50S 1+00W	.1	15	75
L11+50S 1+10W	.1	10	100
L11+50S 1+20W	.1	5	175
L11+50S 1+30W	nd	10	115
L11+50S 1+40W	.1	10	450
L11+50S 1+50W	.1	5	160
L11+50S 1+60W	.1	10	280
L11+50S 1+70W	nd	nd	260
L11+50S 1+80W	nd	10	280
L11+50S 1+90W	.1	nd	145
L11+50S 2+00W	.2	20	650
L11+50S 2+10W	.2	10	230
L11+50S 2+20W	.1	10	210
L11+50S 2+30W	.1	10	165
L11+50S 2+40W	.1	10	130
L11+50S 2+50W	.1	10	190
L11+50S 2+60W	.2	5	160
L11+50S 2+70W	.1	10	30
L11+50S 2+80W	.1	nd	65
L11+50S 2+90W	.1	20	60
L11+50S 3+00W	.1	10	100
L11+50S 3+10W	.1	10	95
L11+50S 3+20W	.1	10	40
L11+50S 3+30W	nd	10	50
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L11+50S 3+40W	nd	5	60
L11+50S 3+50W	nd	5	60
L11+50S 3+60W	nd	5	45
L11+50S 3+70W	nd	5	50
L11+50S 3+80W	nd	20	70
L11+50S 3+90W	nd	10	85
L11+50S 4+00W	nd	10	60
L11+50S 4+10W	nd	20	65
L11+50S 4+20W	nd	10	45
L11+50S 4+30W	nd	10	90
L11+50S 4+40W	nd	10	185
L11+50S 4+50W	nd	20	60
L11+50S 4+60W	nd	10	70
L11+50S 4+70W	nd	10	50
L11+50S 4+80W	nd	5	60
L11+50S 4+90W	nd	15	50
L11+50S 5+00W	nd	nd	30
L12+00S BL	nd	15	635
L12+00S 0+10W	.1	10	50
L12+00S 0+20W	.1	10	70
L12+00S 0+30W	.2	nd	90
L12+00S 0+40W	.2	10	70
L12+00S 0+50W	.1	5	290
L12+00S 0+60W	.1	10	110
L12+00S 0+70W	.1	10	145
L12+00S 0+80W	.1	5	110
L12+00S 0+90W	.1	nd	260
L12+00S 1+00W	.1	5	130
L12+00S 1+10W	.1	10	60
L12+00S 1+20W	nd	10	90
L12+00S 1+30W	nd	10	80
L12+00S 1+40W	.1	10	95
L12+00S 1+50W	nd	20	150
L12+00S 1+60W	nd	10	105
L12+00S 1+70W	.1	5	50
L12+00S 1+80W	nd	10	115
L12+00S 1+90W	nd	10	130
L12+00S 2+00W	.1	nd	90
L12+00S 2+10W	.1	5	70
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L12+00S 2+20W	nd	5	130
L12+00S 2+30W	nd	5	130
L12+00S 2+40W	nd	5	95
L12+00S 2+50W	.1	5	140
L12+00S 2+60W	.1	nd	80
L12+00S 2+70W	.1	nd	55
L12+00S 2+80W	.1	nd	630
L12+00S 2+90W	.1	20	55
L12+00S 3+00W	.1	10	75
L12+00S 3+10W	.1	10	70
L12+00S 3+20W	.1	10	75
L12+00S 3+30W	.1	15	55
L12+00S 3+40W	.1	5	90
L12+00S 3+50W	.1	10	70
L12+00S 3+60W	.1	5	60
L12+00S 3+70W	.1	5	80
L12+00S 3+80W	nd	10	50
L12+00S 3+90W	.1	20	60
L12+00S 4+00W	.2	5	160
L12+00S 4+10W	.1	5	185
L12+00S 4+20W	.1	10	6
L12+00S 4+30W	.1	10	145
L12+00S 4+40W	.1	10	65
L12+00S 4+50W	.1	10	200
L12+00S 4+60W	.1	10	45
L12+00S 4+70W	.1	nd	40
L12+00S 4+80W	.1	25	140
L12+00S 4+90W	.2	5	105
L12+00S 5+00W	.1	15	90

DETECTION LIMIT	0.1	5	5

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GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: Aug 05 1988
REPORT#: 880736 GA
JOB#: 880736

PROJECT#: None given
SAMPLES ARRIVED: July 20 1988
REPORT COMPLETED: Aug 05 1988
ANALYSED FOR: Ag Au Hg

INVOICE#: 880736 NA
TOTAL SAMPLES: 340
SAMPLE TYPE: Soil
REJECTS: DISCARDED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: CLinton & Vancouver Office

PREPARED FOR: Duane Lucas

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

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(604) 251-5656

REPORT NUMBER: 880736 GA JOB NUMBER: 880736 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 4+00S BL	nd	20	50
L 4+00S 0+10W	nd	15	45
L 4+00S 0+20W	nd	5	45
L 4+00S 0+30W	nd	10	65
L 4+00S 0+40W	nd	15	70
L 4+00S 0+50W	.1	10	50
L 4+00S 0+60W	nd	30	75
L 4+00S 0+70W	.1	10	70
L 4+00S 0+80W	nd	10	110
L 4+00S 0+90W	nd	15	35
L 4+00S 1+00W	nd	nd	50
L 4+00S 1+10W	nd	10	60
L 4+00S 1+20W	nd	10	80
L 4+00S 1+30W	nd	10	50
L 4+00S 1+40W	nd	10	40
L 4+00S 1+50W	nd	5	45
L 4+00S 1+60W	nd	5	55
L 4+00S 1+70W	nd	15	70
L 4+00S 1+80W	nd	10	70
L 4+00S 1+90W	nd	10	40
L 4+00S 2+00W	nd	20	35
L 4+00S 2+10W	nd	5	60
L 4+00S 2+20W	nd	15	40
L 4+00S 2+30W	nd	15	50
L 4+00S 2+40W	nd	10	30
L 4+00S 2+50W	nd	20	45
L 4+00S 2+60W	nd	nd	20
L 4+00S 2+70W	nd	10	35
L 4+00S 2+80W	nd	10	80
L 4+00S 2+90W	nd	20	25
L 4+00S 3+00W	nd	5	30
L 4+00S 3+10W	nd	nd	30
L 4+00S 3+20W	nd	nd	30
L 4+00S 3+30W	nd	nd	40
L 4+00S 3+40W	nd	nd	25
L 4+00S 3+50W	nd	nd	35
L 4+00S 3+60W	nd	nd	35
L 4+00S 3+70W	nd	nd	30
L 4+00S 3+80W	nd	30	35
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 4+00S 3+90W	nd	nd	30
L 4+00S 4+00W	nd	nd	60
L 4+00S 4+10W	nd	10	30
L 4+00S 4+20W	nd	30	30
L 4+00S 4+30W	nd	10	340
L 4+00S 4+40W	nd	20	50
L 4+00S 4+50W	nd	5	30
L 4+00S 4+60W	nd	nd	30
L 4+00S 4+70W	nd	10	30
L 4+00S 4+80W	nd	5	55
L 4+00S 4+90W	nd	nd	40
L 4+00S 5+00W	nd	15	50
L 4+50S BL	nd	5	40
L 4+50S 0+10W	nd	15	45
L 4+50S 0+20W	nd	10	50
L 4+50S 0+30W	nd	nd	50
L 4+50S 0+40W	nd	nd	50
L 4+50S 0+50W	nd	10	85
L 4+50S 0+60W	nd	nd	40
L 4+50S 0+70W	nd	5	65
L 4+50S 0+80W	nd	10	55
L 4+50S 0+90W	.3	20	100
L 4+50S 1+00W	nd	10	55
L 4+50S 1+10W	nd	20	50
L 4+50S 1+20W	nd	15	65
L 4+50S 1+30W	nd	10	40
L 4+50S 1+40W	nd	nd	60
L 4+50S 1+50W	nd	20	90
L 4+50S 1+60W	nd	10	50
L 4+50S 1+70W	.2	nd	100
L 4+50S 1+80W	.5	20	450
L 4+50S 1+90W	.6	25	210
L 4+50S 2+00W	.2	nd	110
L 4+50S 2+10W	nd	nd	40
L 4+50S 2+20W	nd	5	50
L 4+50S 2+30W	nd	10	45
L 4+50S 2+40W	nd	5	95
L 4+50S 2+50W	nd	nd	70
L 4+50S 2+60W	nd	5	35
DETECTION LIMIT	0.1	5	5

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 4+50S 2+70W	nd	nd	65
L 4+50S 2+80W	nd	10	35
L 4+50S 2+90W	nd	10	40
L 4+50S 3+00W	nd	5	40
L 4+50S 3+10W	nd	15	25
L 4+50S 3+20W	nd	20	55
L 4+50S 3+30W	nd	20	55
L 4+50S 3+40W	nd	nd	20
L 4+50S 3+50W	nd	10	35
L 4+50S 3+60W	nd	nd	35
L 4+50S 3+70W	nd	5	45
L 4+50S 3+80W	nd	10	40
L 4+50S 3+90W	nd	5	25
L 4+50S 4+00W	nd	5	30
L 4+50S 4+10W	nd	10	30
L 4+50S 4+20W	nd	nd	40
L 4+50S 4+30W	nd	10	40
L 4+50S 4+40W	nd	5	25
L 4+50S 4+50W	nd	5	30
L 4+50S 4+60W	nd	5	55
L 4+50S 4+70W	nd	10	45
L 4+50S 4+80W	nd	nd	30
L 4+50S 4+90W	.2	5	40
L 4+50S 5+00W	nd	5	30
L 5+00S BL	.1	5	65
L 5+00S 0+00W	nd	15	75
L 5+00S 0+10W	nd	10	180
L 5+00S 0+20W	nd	10	110
L 5+00S 0+30W	nd	nd	60
L 5+00S 0+40W	nd	20	65
L 5+00S 0+50W	nd	10	60
L 5+00S 0+60W	nd	10	85
L 5+00S 0+70W	nd	10	70
L 5+00S 0+80W	nd	5	45
L 5+00S 0+90W	nd	20	40
L 5+00S 1+10W	nd	5	70
L 5+00S 1+20W	nd	10	70
L 5+00S 1+30W	nd	nd	95
L 5+00S 1+40W	nd	20	70
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5 S3
(604)251-5656 FAX:254-5717 '8

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 5+00S 1+50W	.1	nd	70
L 5+00S 1+60W	nd	30	70
L 5+00S 1+70W	nd	10	75
L 5+00S 1+80W	nd	5	180
L 5+00S 1+90W	nd	10	60
L 5+00S 2+00W	nd	5	45
L 5+00S 2+10W	nd	10	55
L 5+00S 2+20W	nd	15	40
L 5+00S 2+30W	nd	15	40
L 5+00S 2+40W	nd	20	85
L 5+00S 2+50W	nd	5	50
L 5+00S 2+60W	nd	20	50
L 5+00S 2+70W	nd	20	70
L 5+00S 2+80W	nd	5	60
L 5+00S 2+90W	nd	10	60
L 5+00S 3+00W	nd	15	105
L 5+00S 3+10W	nd	10	65
L 5+00S 3+20W	nd	15	35
L 5+00S 3+30W	nd	nd	40
L 5+00S 3+40W	nd	10	30
L 5+00S 3+50W	nd	5	50
L 5+00S 3+60W	nd	10	30
L 5+00S 3+70W	nd	5	35
L 5+00S 3+80W	nd	nd	55
L 5+00S 3+90W	nd	5	30
L 5+00S 4+00W	nd	5	30
L 5+00S 4+10W	nd	20	50
L 5+00S 4+20W	nd	10	30
L 5+00S 4+30W	nd	10	35
L 5+00S 4+40W	nd	20	50
L 5+00S 4+50W	nd	5	80
L 5+00S 4+60W	nd	nd	75
L 5+00S 4+70W	nd	nd	40
L 5+00S 4+80W	nd	5	40
L 5+00S 4+90W	nd	15	40
L 5+00S 5+00W	nd	5	50
L 5+50S BL	nd	25	75
L 5+50S 0+10W	nd	25	55
L 5+50S 0+20W	nd	10	50
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

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1988 Triumph Street
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BRANCH OFFICE
1630 PANDORA ST.
VANCOUVER, B.C. V5L 1L6
(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 5+50S 0+30W	nd	20	60
L 5+50S 0+40W	nd	nd	70
L 5+50S 0+50W	nd	10	75
L 5+50S 0+60W	nd	10	65
L 5+50S 0+70W	nd	5	70
L 5+50S 0+80W	nd	10	185
L 5+50S 0+90W	nd	nd	55
L 5+50S 1+00W	nd	5	70
L 5+50S 1+10W	nd	10	85
L 5+50S 1+20W	nd	5	60
L 5+50S 1+30W	nd	10	200
L 5+50S 1+40W	nd	10	70
L 5+50S 1+50W	nd	10	1800
L 5+50S 1+60W	nd	nd	100
L 5+50S 1+70W	nd	nd	80
L 5+50S 1+80W	nd	5	55
L 5+50S 1+90W	nd	20	300
L 5+50S 2+00W	nd	nd	50
L 5+50S 2+10W	nd	5	60
L 5+50S 2+20W	nd	10	45
L 5+50S 2+30W	nd	nd	105
L 5+50S 2+40W	nd	5	90
L 5+50S 2+50W	.1	nd	250
L 5+50S 2+60W	nd	nd	210
L 5+50S 2+70W	nd	5	20
L 5+50S 2+80W	nd	5	75
L 5+50S 2+90W	nd	nd	45
L 5+50S 3+00W	nd	nd	160
L 5+50S 3+10W	nd	nd	70
L 5+50S 3+20W	nd	nd	75
L 5+50S 3+30W	nd	nd	60
L 5+50S 3+40W	nd	5	50
L 5+50S 3+50W	nd	nd	30
L 5+50S 3+60W	nd	15	50
L 5+50S 3+70W	nd	nd	60
L 5+50S 3+80W	nd	15	50
L 5+50S 3+90W	nd	nd	50
L 5+50S 4+00W	nd	nd	70
L 5+50S 4+10W	nd	5	35
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 5+50S 4+20W	nd	10	60
L 5+50S 4+30W	.1	15	70
L 5+50S 4+40W	nd	20	30
L 5+50S 4+50W	nd	5	40
L 5+50S 4+60W	nd	nd	40
L 5+50S 4+70W	nd	15	35
L 5+50S 4+80W	nd	10	45
L 5+50S 4+90W	nd	5	30
L 5+50S 5+00W	nd	5	145
L 6+00S 0+10W	nd	25	140
L 6+00S 0+30W	nd	15	75
L 6+00S 0+50W	.1	5	75
L 6+00S 0+70W	.1	10	165
L 6+00S 0+90W	nd	nd	80
L 6+00S 1+10W	nd	5	75
L 6+00S 1+30W	nd	5	170
L 6+00S 1+50W	nd	5	250
L 6+00S 1+70W	nd	nd	135
L 6+00S 1+90W	nd	5	80
L 6+00S 2+10W	nd	5	175
L 6+00S 2+30W	nd	10	100
L 6+00S 2+50W	nd	10	85
L 6+00S 2+70W	nd	10	260
L 6+00S 2+90W	nd	10	250
L 6+00S 3+10W	nd	10	50
L 6+00S 3+30W	nd	nd	60
L 6+00S 3+50W	nd	nd	45
L 6+00S 3+70W	nd	20	30
L 6+00S 3+90W	nd	15	45
L 6+50S BL	nd	10	60
L 6+50S 0+10W	nd	10	40
L 6+50S 0+20W	nd	5	60
L 6+50S 0+30W	nd	5	65
L 6+50S 0+40W	.1	5	55
L 6+50S 0+50W	nd	5	55
L 6+50S 0+60W	nd	nd	60
L 6+50S 0+70W	nd	10	45
L 6+50S 0+80W	nd	nd	50
L 6+50S 0+90W	nd	nd	80
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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

REPORT NUMBER: 880736 GA JOB NUMBER: 880736 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 6+50S 1+00W	nd	10	70
L 6+50S 1+10W	nd	5	70
L 6+50S 1+20W	nd	10	95
L 6+50S 1+30W	nd	20	80
L 6+50S 1+40W	nd	5	70
L 6+50S 1+50W	nd	10	50
L 6+50S 1+60W	nd	10	60
L 6+50S 1+70W	nd	10	60
L 6+50S 1+80W	nd	nd	65
L 6+50S 1+90W	nd	nd	75
L 6+50S 2+00W	nd	10	50
L 6+50S 2+10W	nd	10	130
L 6+50S 2+20W	nd	20	60
L 6+50S 2+30W	nd	10	120
L 6+50S 2+40W	nd	10	65
L 6+50S 2+50W	nd	20	1700
L 6+50S 2+60W	nd	20	300
L 6+50S 2+70W	nd	5	100
L 6+50S 2+80W	nd	10	115
L 6+50S 2+90W	nd	5	60
L 6+50S 3+00W	nd	5	50
L 6+50S 3+10W	nd	10	75
L 6+50S 3+20W	nd	5	55
L 6+50S 3+30W	nd	nd	30
L 6+50S 3+40W	.1	5	30
L 6+50S 3+50W	.1	20	30
L 6+50S 3+60W	nd	20	25
L 6+50S 3+70W	nd	15	30
L 6+50S 3+80W	nd	5	60
L 6+50S 3+90W	nd	15	40
L 6+50S 4+00W	nd	10	40
L 6+50S 4+10W	nd	5	20
L 6+50S 4+20W	nd	nd	40
L 6+50S 4+30W	nd	5	30
L 6+50S 4+40W	nd	10	35
L 6+50S 4+50W	.2	15	30
L 6+50S 4+60W	nd	15	40
L 6+50S 4+70W	nd	10	40
L 6+50S 4+80W	nd	15	20
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L 6+50S 4+90W	.2	15	70
L 6+50S 5+00W	nd	nd	55
L 7+00S 0+10W	nd	5	50
L 7+00S 0+30W	nd	30	50
L 7+00S 0+50W	nd	10	55
L 7+00S 0+70W	nd	5	50
L 7+00S 0+90W	nd	20	40
L 7+00S 1+10W	nd	5	45
L 7+00S 1+30W	nd	15	55
L 7+00S 1+50W	nd	5	100
L 7+00S 1+70W	nd	10	75
L 7+00S 1+90W	nd	10	100
L 7+00S 2+10W	nd	5	90
L 7+00S 2+30W	nd	nd	55
L 7+00S 2+50W	nd	10	145
L 7+00S 2+70W	.1	10	45
L 7+00S 2+90W	nd	15	80
L10+00S BL	nd	20	45
L10+00S 0+10W	nd	15	65
L10+00S 0+20W	nd	5	70
L10+00S 0+30W	nd	nd	95
L10+00S 0+40W	nd	10	80
L10+00S 0+50W	nd	nd	100
L10+00S 0+60W	nd	5	60
L10+00S 0+70W	nd	nd	280
L10+00S 0+80W	nd	5	240
L10+00S 0+90W	nd	5	190
L10+00S 1+00W	nd	5	90
L10+00S 1+10W	nd	10	80
L10+00S 1+20W	nd	nd	70
L10+00S 1+30W	nd	5	130
L10+00S 1+40W	nd	15	70
L10+00S 1+50W	.1	15	80
L10+00S 1+60W	.1	10	100
L10+00S 1+70W	.1	10	50
L10+00S 1+80W	nd	30	90
L10+00S 1+90W	nd	nd	85
L10+00S 2+00W	nd	10	100
L10+00S 2+10W	nd	10	75
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L10+00S 2+20W	nd	nd	90
L10+00S 2+30W	nd	10	95
L10+00S 2+40W	nd	10	95
L10+00S 2+50W	nd	20	45
L10+00S 2+60W	nd	5	500
L10+00S 2+70W	.3	nd	650
L10+00S 2+80W	.6	5	120
L10+00S 2+90W	.7	5	550
L10+00S 3+00W	.3	nd	600
L10+00S 3+10W	.3	10	310
L10+00S 3+30W	nd	nd	110
L10+00S 3+40W	nd	35	70
L10+00S 3+50W	nd	5	95
L10+00S 3+60W	.1	15	75
L10+00S 3+70W	.3	5	450
L10+00S 3+80W	nd	nd	65
L10+00S 3+90W	.1	10	30
L10+00S 4+00W	nd	10	50
L10+00S 4+10W	nd	nd	220
L10+00S 4+20W	nd	nd	75
L10+00S 4+30W	nd	nd	240
L10+00S 4+40W	nd	nd	55
L10+00S 4+50W	nd	nd	70
L10+00S 4+60W	nd	nd	55
L10+00S 4+70W	nd	nd	55
L10+00S 4+80W	nd	nd	30
L10+00S 4+90W	nd	10	40
L10+00S 5+00W	nd	10	45

DETECTION LIMIT 0.1 5 5
nd = none detected -- = not analysed is = insufficient sample

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: Aug 05 1988
REPORT#: 880787 GA
JOB#: 880787

PROJECT#: None given
SAMPLES ARRIVED: July 26 1988
REPORT COMPLETED: Aug 05 1988
ANALYSED FOR: Ag Au Hg

INVOICE#: 880787 NA
TOTAL SAMPLES: 153
SAMPLE TYPE: Soil
REJECTS: DISCARDED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Vancouver & Clinton Office

PREPARED FOR: Mr. Duane Lucas

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver & Copy sent to Clinton

VGC

VANGEOCHEM LAB LIMITED

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(604)251-5656 FAX:254-5717

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

REPORT NUMBER: 880787 GA JOB NUMBER: 880787 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L7+50S BL	nd	5	65
L7+50S 0+10W	nd	20	145
L7+50S 0+20W	nd	15	60
L7+50S 0+30W	nd	15	50
L7+50S 0+40W	nd	5	85
L7+50S 0+50W	nd	5	40
L7+50S 0+60W	nd	5	30
L7+50S 0+70W	nd	nd	50
L7+50S 0+80W	nd	15	50
L7+50S 0+90W	nd	5	60
L7+50S 1+00W	nd	5	55
L7+50S 1+10W	nd	15	50
L7+50S 1+20W	nd	5	55
L7+50S 1+30W	nd	5	50
L7+50S 1+40W	.1	15	120
L7+50S 1+50W	.4	15	250
L7+50S 1+60W	.3	10	220
L7+50S 1+70W	1.1	15	550
L7+50S 1+80W	1.5	10	700
L7+50S 1+90W	.2	nd	195
L7+50S 2+00W	.2	25	145
L7+50S 2+10W	nd	nd	120
L7+50S 2+20W	nd	5	75
L7+50S 2+30W	.2	10	190
L7+50S 2+40W	.6	5	180
L7+50S 2+50W	.7	10	195
L7+50S 2+60W	.4	15	185
L7+50S 2+70W	.5	10	200
L7+50S 2+80W	.7	10	300
L7+50S 2+90W	.1	15	120
L7+50S 3+00W	.2	20	85
L7+50S 3+10W	.1	15	40
L7+50S 3+20W	.1	15	70
L7+50S 3+30W	.2	5	55
L7+50S 3+40W	.3	5	60
L7+50S 3+50W	nd	10	50
L7+50S 3+60W	.1	10	55
L7+50S 3+70W	.1	nd	30
L7+50S 3+80W	.3	15	45
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L7+50S 3+90W	.2	10	50
L7+50S 4+00W	.1	5	45
L7+50S 4+10W	nd	15	40
L7+50S 4+20W	nd	nd	60
L7+50S 4+30W	nd	5	30
L7+50S 4+40W	nd	nd	50
L7+50S 4+50W	.1	5	40
L7+50S 4+60W	nd	5	35
L7+50S 4+70W	nd	nd	50
L7+50S 4+80W	nd	nd	35
L7+50S 4+90W	.1	10	55
L7+50S 5+00W	nd	5	70
L8+50S BL	.2	5	50
L8+50S 0+10W	.1	5	60
L8+50S 0+20W	nd	10	45
L8+50S 0+30W	.3	10	80
L8+50S 0+40W	.3	10	70
L8+50S 0+50W	.3	25	75
L8+50S 0+60W	nd	5	75
L8+50S 0+70W	nd	nd	40
L8+50S 0+80W	nd	10	70
L8+50S 0+90W	nd	15	65
L8+50S 1+00W	nd	15	80
L8+50S 1+10W	nd	5	80
L8+50S 1+20W	nd	15	85
L8+50S 1+30W	nd	10	60
L8+50S 1+40W	nd	10	50
L8+50S 1+50W	nd	nd	65
L8+50S 1+60W	.4	15	80
L8+50S 1+70W	nd	15	65
L8+50S 1+80W	.2	10	70
L8+50S 1+90W	.3	10	80
L8+50S 2+00W	.2	5	85
L8+50S 2+10W	.2	nd	85
L8+50S 2+20W	nd	15	80
L8+50S 2+30W	nd	nd	100
L8+50S 2+40W	.1	15	90
L8+50S 2+50W	nd	nd	60
L8+50S 2+60W	nd	nd	80
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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SAMPLE #	Ag ppm	Au ppb	Hg ppb
L8+50S 2+70W	.2	5	70
L8+50S 2+80W	.1	20	100
L8+50S 2+90W	.2	20	75
L8+50S 3+00W	.3	5	40
L8+50S 3+10W	.1	5	65
L8+50S 3+20W	.3	15	45
L8+50S 3+30W	.5	10	65
L8+50S 3+40W	.1	10	60
L8+50S 3+50W	nd	10	45
L8+50S 3+60W	nd	15	35
L8+50S 3+70W	nd	10	70
L8+50S 3+80W	nd	5	40
L8+50S 3+90W	nd	10	25
L8+50S 4+00W	nd	10	35
L8+50S 4+10W	.1	10	95
L8+50S 4+20W	.1	15	30
L8+50S 4+30W	nd	10	55
L8+50S 4+40W	.1	15	40
L8+50S 4+50W	.1	10	45
L8+50S 4+60W	nd	10	50
L8+50S 4+70W	.1	5	500
L8+50S 4+80W	.2	10	65
L8+50S 4+90W	.4	nd	100
L8+50S 5+00W	nd	10	25
L9+50S BL	nd	10	60
L9+50S 0+10W	nd	nd	55
L9+50S 0+20W	nd	25	35
L9+50S 0+30W	nd	10	45
L9+50S 0+40W	nd	5	30
L9+50S 0+50W	nd	10	35
L9+50S 0+60W	.2	15	55
L9+50S 0+70W	nd	5	90
L9+50S 0+80W	.1	10	60
L9+50S 0+90W	nd	10	70
L9+50S 1+00W	.2	15	70
L9+50S 1+10W	nd	20	70
L9+50S 1+20W	nd	15	80
L9+50S 1+30W	nd	nd	100
L9+50S 1+40W	.2	10	85
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

VANGEOCHEM LAB LIMITED

MAIN OFFICE AND LABORATORY
1988 Triumph Street
Vancouver, B.C. V5L 1K5
(604)251-5656 FAX:254-5717

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

REPORT NUMBER: 880787 GA · JOB NUMBER: 880787 **SEVERN EXPLORATIONS LTD.**

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L9+50S 1+50W	.2	nd	nd
L9+50S 1+60W	.1	10	75
L9+50S 1+70W	.2	10	80
L9+50S 1+80W	.2	5	75
L9+50S 1+90W	.1	10	95
L9+50S 2+00W	.2	5	320
L9+50S 2+10W	.1	5	50
L9+50S 2+20W	.1	5	90
L9+50S 2+30W	.1	nd	140
L9+50S 2+40W	.1	5	55
L9+50S 2+50W	.1	5	145
L9+50S 2+60W	.1	10	110
L9+50S 2+70W	.2	20	95
L9+50S 2+80W	.1	20	80
L9+50S 2+90W	.3	nd	55
L9+50S 3+00W	.3	nd	60
L9+50S 3+10W	.4	5	60
L9+50S 3+20W	.9	15	120
L9+50S 3+30W	.4	10	85
L9+50S 3+40W	.6	10	75
L9+50S 3+50W	nd	nd	45
L9+50S 3+60W	.3	5	95
L9+50S 3+70W	nd	nd	95
L9+50S 3+80W	.3	5	55
L9+50S 3+90W	.2	5	70
L9+50S 4+00W	.1	5	45
L9+50S 4+10W	nd	10	75
L9+50S 4+20W	nd	nd	40
L9+50S 4+30W	nd	10	50
L9+50S 4+40W	nd	nd	40
L9+50S 4+50W	nd	5	40
L9+50S 4+60W	nd	nd	55
L9+50S 4+70W	nd	nd	30
L9+50S 4+80W	nd	nd	25
L9+50S 4+90W	nd	nd	65
L9+50S 5+00W	nd	nd	30
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

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

GEOCHEMICAL ANALYTICAL REPORT

CLIENT: SEVERN EXPLORATIONS LTD.
ADDRESS: 510 - 850 W. Hastings St.
: Vancouver, B.C.
: V6C 1E1

DATE: August 19 1988
REPORT#: 880911 GA
JOB#: 880911

PROJECT#: None given
SAMPLES ARRIVED: Aug 08 1988
REPORT COMPLETED: August 19 1988
ANALYSED FOR: Ag Au Hg

INVOICE#: 880911 NA
TOTAL SAMPLES: 223
SAMPLE TYPE: Soil
REJECTS: DISCARDED

SAMPLES FROM: Clinton, B.C.
COPY SENT TO: Clinton & Vancouver Office

PREPARED FOR: Mr. T. H. Heine

ANALYSED BY: VGC Staff

SIGNED: _____

GENERAL REMARK: Invoice sent to Vancouver Office

VANGEOCHEM LAB LIMITED

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

REPORT NUMBER: 880911 GA JOB NUMBER: 880911 SEVERN EXPLORATIONS LTD.

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L15S 0+00E	.1	5	60
L15S 0+50E	nd	10	600
L15S 1+00E	nd	10	45
L15S 1+50E	nd	10	40
L15S 2+00E	nd	5	50
L15S 2+50E	nd	nd	20
L15S 3+00E	nd	nd	30
L15S 3+50E	nd	5	40
L15S 4+00E	nd	nd	25
L15S 4+50E	.3	25	165
L15S 5+00E	.1	5	40
L15S 0+50W	nd	5	75
L15S 1+00W	nd	15	300
L15S 1+50W	nd	15	500
L15S 2+00W	nd	10	170
L15S 2+50W	nd	5	130
L15S 3+00W	nd	5	800
L15S 3+50W	nd	5	360
L16S 0+00E	nd	5	65
L16S 0+50E	nd	25	50
L16S 1+00E	nd	nd	35
L16S 1+50E	nd	5	90
L16S 2+00E	nd	5	40
L16S 2+50E	nd	nd	60
L16S 3+00E	nd	10	80
L16S 3+50E	nd	nd	50
L16S 4+00E	nd	15	80
L16S 4+50E	nd	nd	40
L16S 5+00E	nd	10	35
L16S 0+50W	nd	nd	55
L16S 1+00W	nd	nd	55
L16S 1+50W	nd	nd	220
L16S 2+00W	nd	nd	140
L16S 2+50W	nd	nd	240
L16S 3+00W	nd	nd	650
L16S 3+50W	nd	15	175
L16S 4+00W	nd	10	80
L17S 0+50E	nd	5	80
L17S 1+00E	nd	10	55
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

VGC

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(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L17S 1+50E	nd	nd	115
L17S 2+00E	nd	5	40
L17S 2+50E	.1	5	40
L17S 3+00E	.3	20	100
L17S 3+50E	.4	15	110
L17S 4+00E	.1	10	30
L17S 4+50E	.1	15	20
L17S 5+00E	nd	10	50
L17S 0+50W	nd	nd	85
L17S 1+00W	nd	20	65
L17S 1+50W	.1	10	95
L17S 2+00W	nd	5	70
L17S 2+50W	nd	nd	95
L17S 3+00W	nd	10	195
L17S 3+50W	nd	20	85
L17S 4+00W	nd	5	20
L18S 0+00E	nd	10	55
L18S 0+50E	.1	nd	75
L18S 1+00E	nd	5	50
L18S 1+50E	nd	10	50
L18S 2+00E	nd	nd	35
L18S 2+50E	.1	15	75
L18S 3+00E	nd	10	35
L18S 3+50E	.1	15	80
L18S 4+00E	.1	15	150
L18S 4+50E	nd	5	70
L18S 5+00E	nd	nd	85
L18S 0+50W	nd	nd	700
L18S 1+00W	nd	5	25
L18S 1+50W	.3	nd	400
L18S 2+00W	nd	10	120
L18S 2+50W	.1	5	450
L18S 3+00W	.1	nd	45
L18S 3+50W	.1	25	40
L18S 4+00W	nd	5	70
L19S 0+00E	.1	10	105
L19S 0+50E	.1	10	65
L19S 1+00E	nd	20	40
L19S 1+50E	nd	10	30
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L19S 2+00E	nd	10	50
L19S 2+50E	nd	15	25
L19S 3+00E	nd	30	20
L19S 3+50E	nd	10	20
L19S 4+00E	nd	15	30
L19S 4+50E	nd	5	50
L19S 5+00E	nd	nd	65
L19S 0+50W	nd	nd	240
L19S 1+00W	nd	nd	50
L19S 1+50W	nd	5	25
L19S 2+00W	nd	5	30
L19S 2+50W	nd	nd	20
L19S 3+00W	nd	10	20
L19S 3+50W	nd	20	30
L19S 4+00W	nd	10	30
L20S 1+50E	nd	5	40
L20S 2+00E	nd	20	40
L20S 2+50E	nd	5	20
L20S 3+00E	nd	10	75
L20S 3+50E	nd	5	70
L20S 4+00E	.1	nd	70
L20S 4+50E	nd	5	40
L20S 5+00E	nd	15	25
L20S 0+50W	.1	15	30
L20S 1+00W	.1	5	55
L20S 1+50W	nd	nd	20
L20S 2+00W	nd	10	30
L20S 2+50W	nd	10	30
L20S 3+00W	nd	5	50
L20S 3+50W	.1	nd	30
L20S 4+00W	nd	10	280
L21S 0+00E	nd	20	45
L21S 0+50E	.3	5	55
L21S 1+00E	.2	nd	70
L21S 1+50E	.2	5	90
L21S 2+00E	.2	5	130
L21S 2+50E	nd	nd	50
L21S 3+00E	nd	nd	40
L21S 3+50E	nd	15	30
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L21S 4+00E	nd	10	40
L21S 4+50E	nd	nd	50
L21S 5+00E	nd	20	60
L21S 0+50W	nd	10	75
L21S 1+00W	nd	5	40
L21S 1+50W	nd	5	35
L21S 2+00W	nd	10	30
L21S 2+50W	nd	40	30
L21S 3+00W	nd	nd	25
L21S 3+50W	nd	nd	40
L21S 4+00W	nd	15	35
L22S 0+00E	nd	5	35
L22S 0+50E	nd	5	60
L22S 1+00E	nd	5	40
L22S 1+50E	nd	5	35
L22S 2+00E	nd	5	35
L22S 2+50E	nd	10	40
L22S 3+00E	nd	nd	95
L22S 3+50E	nd	10	60
L22S 4+00E	nd	15	80
L22S 4+50E	nd	10	45
L22S 5+00E	nd	5	60
L22S 0+50W	nd	5	35
L22S 1+00W	nd	10	30
L22S 1+50W	nd	5	30
L22S 2+00W	nd	5	30
L22S 2+50W	nd	5	20
L22S 3+00W	nd	nd	25
L22S 3+50W	nd	15	30
L22S 4+00W	nd	10	40
L23S 0+00E	nd	5	35
L23S 0+50E	nd	5	25
L23S 1+00E	nd	10	30
L23S 1+50E	nd	10	40
L23S 2+00E	.1	15	50
L23S 2+50E	nd	nd	30
L23S 3+00E	nd	20	40
L23S 3+50E	nd	5	40
L23S 4+00E	nd	10	50
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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(604) 251-5656

SAMPLE #	Ag ppm	Au ppb	Hg ppb
L23S 4+50E	nd	5	40
L23S 5+00E	nd	nd	60
L23S 0+50W	nd	15	40
L23S 1+00W	nd	nd	40
L23S 1+50W	nd	10	60
L23S 2+00W	nd	15	45
L23S 2+50W	nd	5	25
L23S 3+00W	nd	5	30
L23S 3+50W	nd	nd	45
L23S 4+00W	nd	10	30
L24S 0+00E	nd	nd	40
L24S 0+50E	nd	5	30
L24S 1+00E	nd	nd	40
L24S 1+50E	nd	10	55
L24S 2+00E	nd	10	70
L24S 2+50E	nd	15	45
L24S 3+00E	nd	nd	45
L24S 3+50E	nd	15	30
L24S 4+00E	nd	10	50
L24S 4+50E	nd	5	35
L24S 5+00E	nd	nd	30
L24S 0+50W	nd	10	30
L24S 1+00W	nd	20	45
L24S 1+50W	nd	15	30
L24S 2+00W	nd	15	30
L24S 2+50W	nd	5	35
L24S 3+00W	nd	10	95
L24S 3+50W	nd	10	155
L24S 4+00W	nd	nd	30
L25S 0+00E	nd	20	30
L25S 0+50E	nd	nd	50
L25S 1+00E	nd	5	85
L25S 1+50E	nd	10	40
L25S 2+00E	nd	25	95
L25S 2+50E	nd	10	35
L25S 3+00E	nd	15	60
L25S 3+50E	nd	nd	115
L25S 4+00E	nd	15	55
L25S 4+50E	nd	nd	60
DETECTION LIMIT	0.1	5	5

nd = none detected -- = not analysed is = insufficient sample

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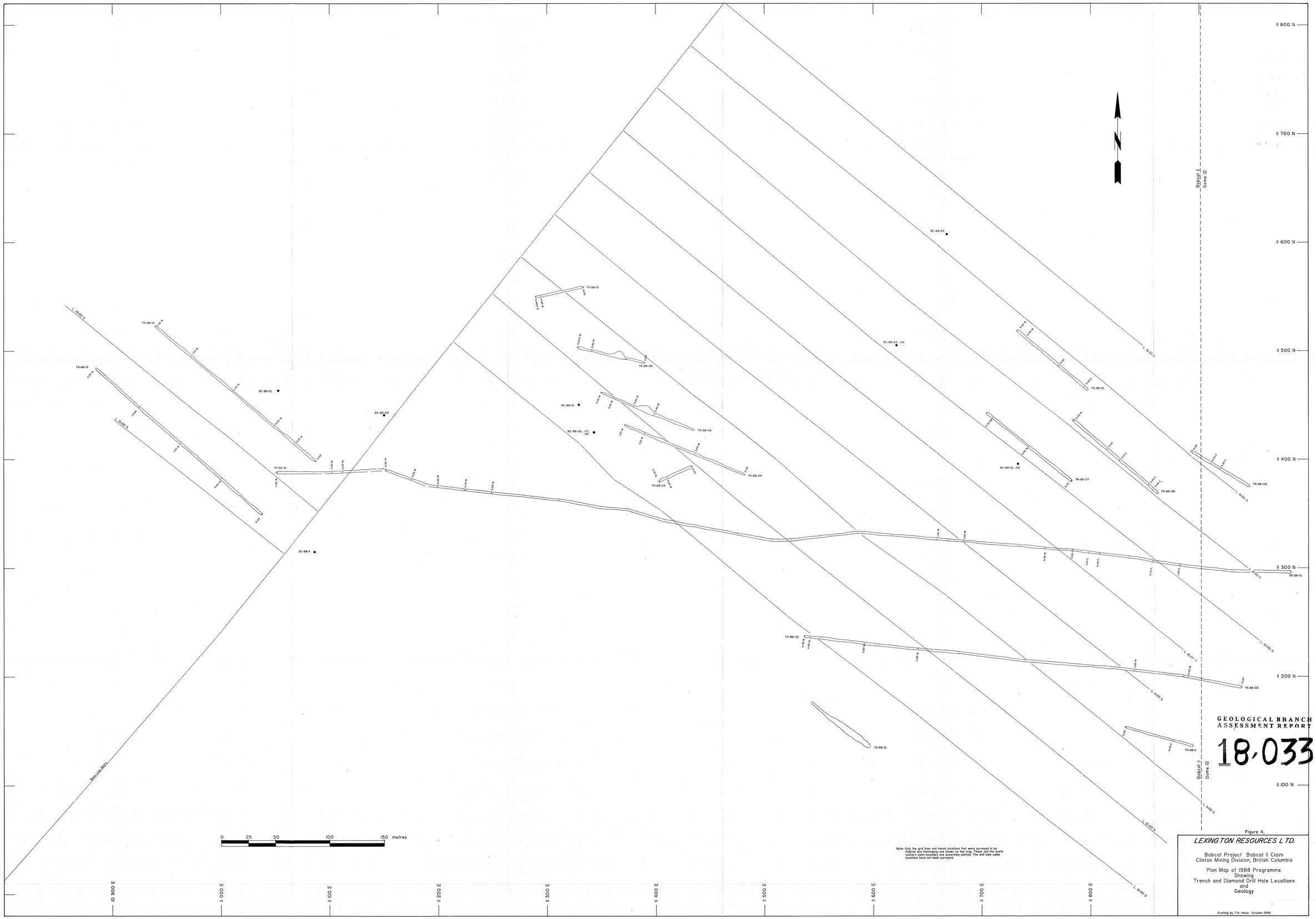
SAMPLE #	Ag ppm	Au ppb	Hg ppb
L25S 5+00E	nd	nd	50
L25S 0+50W	nd	nd	30
L25S 1+00W	nd	nd	30
L25S 1+50W	nd	5	50
L25S 2+00W	nd	nd	35
L25S 2+50W	nd	15	25
L25S 3+00W	nd	5	30
L25S 3+50W	nd	5	40
L25S 4+00W	nd	10	20
L26S 0+00E	nd	10	35
L26S 0+50E	nd	15	75
L26S 1+00E	nd	nd	30
L26S 1+50E	nd	5	45
L26S 2+00E	nd	nd	25
L26S 2+50E	nd	10	30
L26S 3+00E	nd	nd	45
L26S 3+50E	nd	nd	55
L26S 4+00E	nd	nd	70
L26S 4+50E	nd	10	50
L26S 5+00E	nd	nd	65
L26S 0+50W	.1	5	60
L26S 1+00W	.1	nd	95
L26S 1+50W	nd	5	45
L26S 2+00W	nd	10	20
L26S 2+50W	nd	nd	25
L26S 3+00W	nd	10	30
L26S 3+50W	nd	15	40
L26S 4+00W	nd	15	30

DETECTION LIMIT 0.1 5 5

nd = none detected -- = not analysed is = insufficient sample



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ASSESSMENT REPORT

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Figure 4.

LEXINGTON RESOURCES L TD.

Babcat Project Bobcat II Claim
Clinton Mining Division, British Columbia

Plan Map of 1988 Programme
Showing
Trench and Diamond Drill Hole Locations
and
Geology

Drafting by T.H. Heine October 1988

Figure 30.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
East Detailed Grid
Soil Geochemistry
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine November 1988

L. 10+00 S.: ns | nd / 85 / nd | nd / 55 / nd | nd / 50 / nd | nd / 25 / 0.7 | nd / 50 / nd | nd / 125 / nd | nd / 80 / nd | nd / 40 / nd | nd / 50 / nd | nd / 60 / 0.1

L. 9+50 S.: 10 / 140 / 0.1 | nd / 240 / 0.8 | 5 / 90 / 0.2 | nd / 60 / nd | 5 / 80 / nd | nd / 50 / nd | nd / 155 / 0.1 | nd / 50 / nd | nd / 60 / nd | nd / 65 / nd | 10 / 165 / nd | nd / 55 / nd | nd / 50 / nd

L. 9+00 S.: 5 / 50 / 0.3 | 5 / 80 / 0.3 | 15 / 500 / 0.4 | 30 / 95 / 0.2 | nd / 40 / nd | nd / 100 / 0.1 | 5 / 75 / nd | nd / 50 / 0.1 | 5 / 65 / 0.1 | nd / 50 / 0.1 | nd / 330 / 0.1 | 5 / 60 / nd

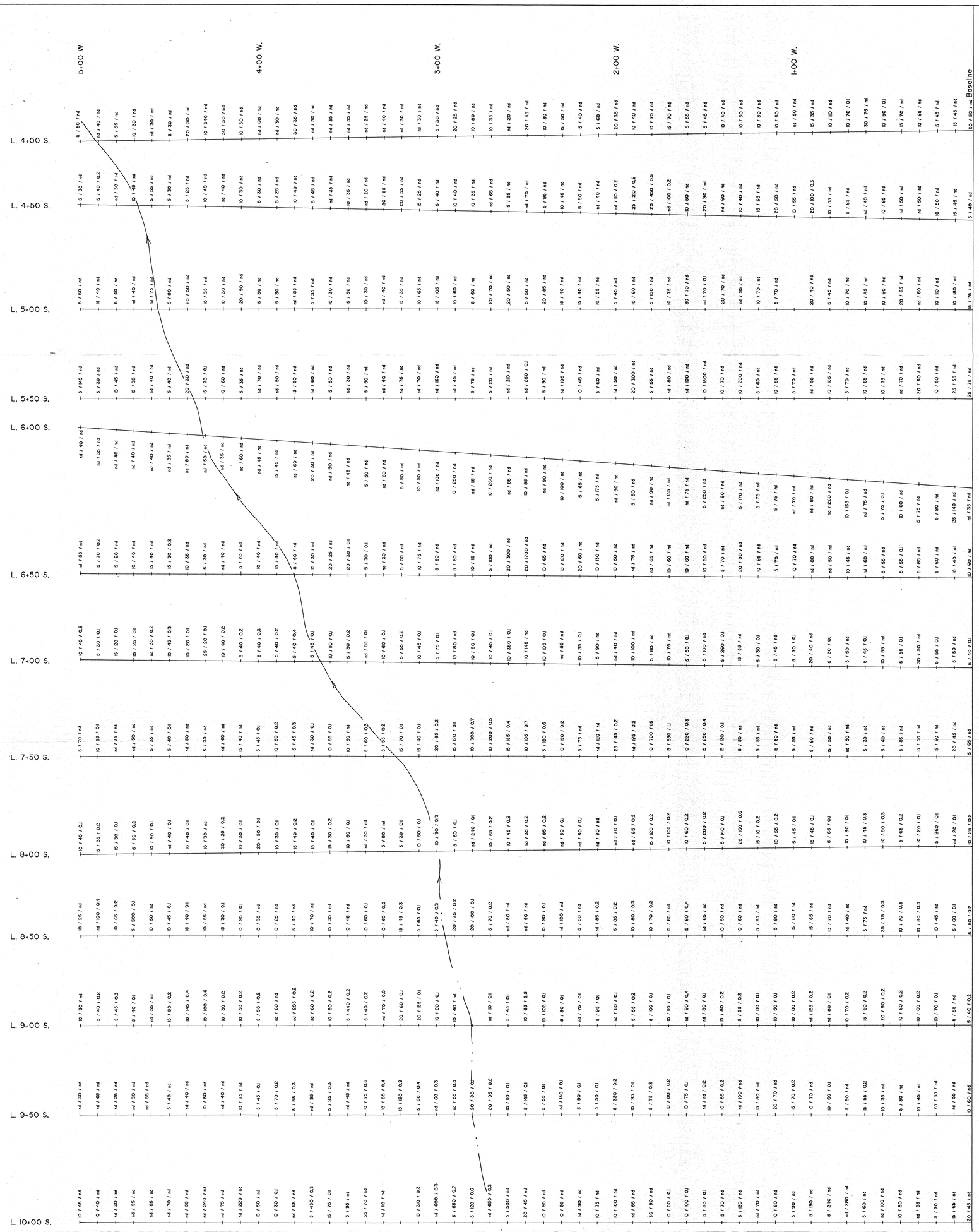
L. 8+50 S.: 5 / 45 / nd | 10 / 70 / 0.1 | 10 / 90 / 0.2 | nd / 70 / 0.1 | nd / 65 / 0.1 | 5 / 60 / nd | 15 / 35 / nd | 20 / 40 / 0.2 | nd / 70 / nd | 5 / 60 / nd | 10 / 140 / 0.1

L. 8+00 S.: nd / 45 / nd | 5 / 60 / 0.1 | nd / 70 / 0.5 | nd / 240 / 0.1 | nd / 65 / 0.1 | 20 / 50 / nd | 10 / 45 / 0.2 | 10 / 45 / nd | 10 / 50 / nd | nd / 70 / nd

L. 7+50 S.: 5 / 45 / nd | 10 / 70 / nd | nd / 125 / nd | nd / 80 / nd | nd / 50 / nd | 5 / 55 / nd | 10 / 75 / nd | nd / 60 / nd | nd / 50 / nd | nd / 55 / 0.1 | 10 / 55 / 0.1

4+00 E. | 5+00 E. | 6+00 E.

0 10 20 50 80 metres



0 10 20 50 80 metres

Note: This is an idealized grid, part of which was drawn from a sketch supplied by Ashworth Explorations Ltd., who was responsible for collecting the soil samples.

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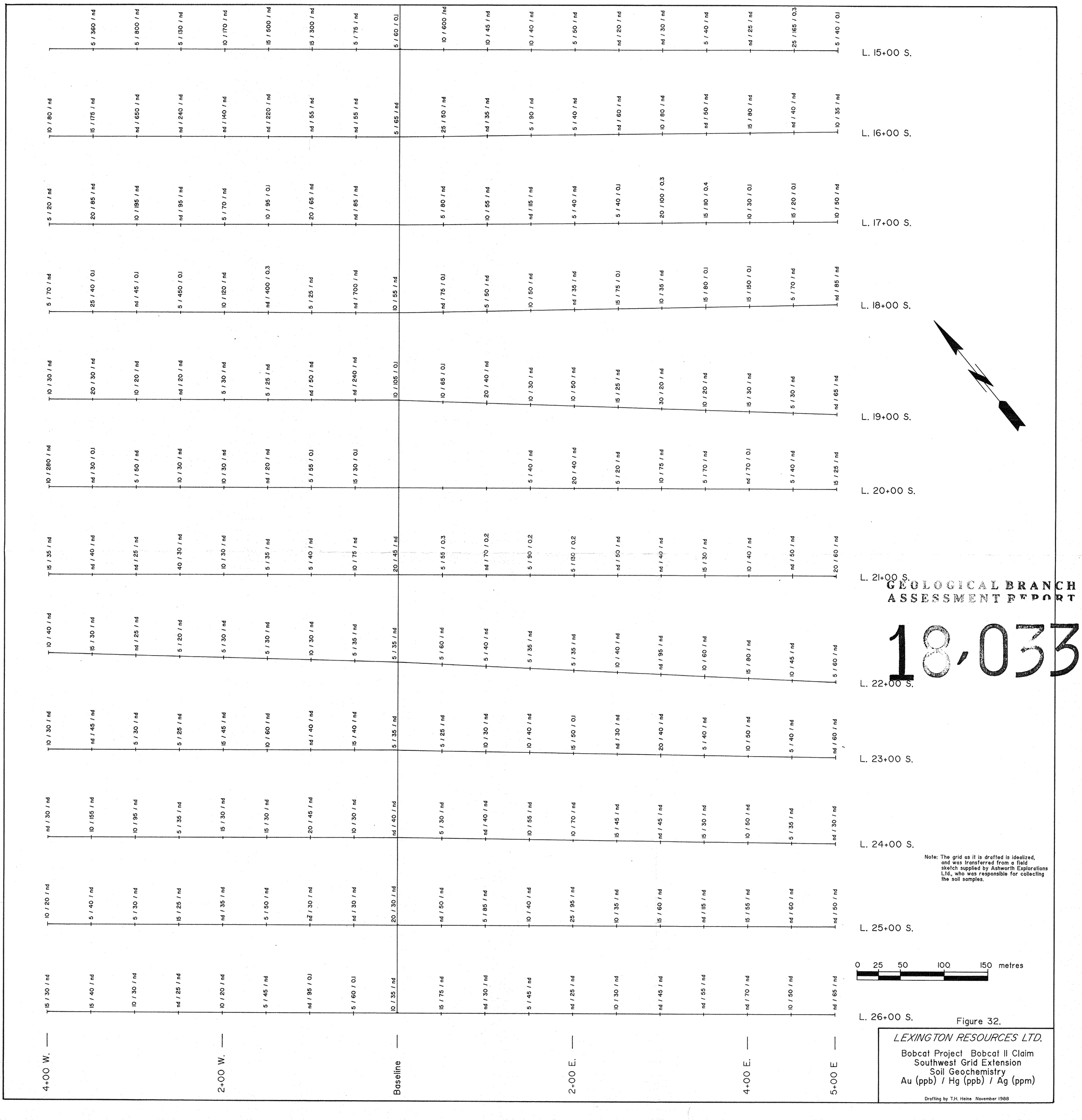
18,033

Figure 31.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Northwest Detailed Grid
Soil Geochemistry
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine November 1988



Note: The grid as it is drafted is idealized, and was transferred from a field sketch supplied by Ashworth Explorations Ltd., who was responsible for collecting the soil samples.

Figure 32.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Southwest Grid Extension
Soil Geochemistry
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine November 1988

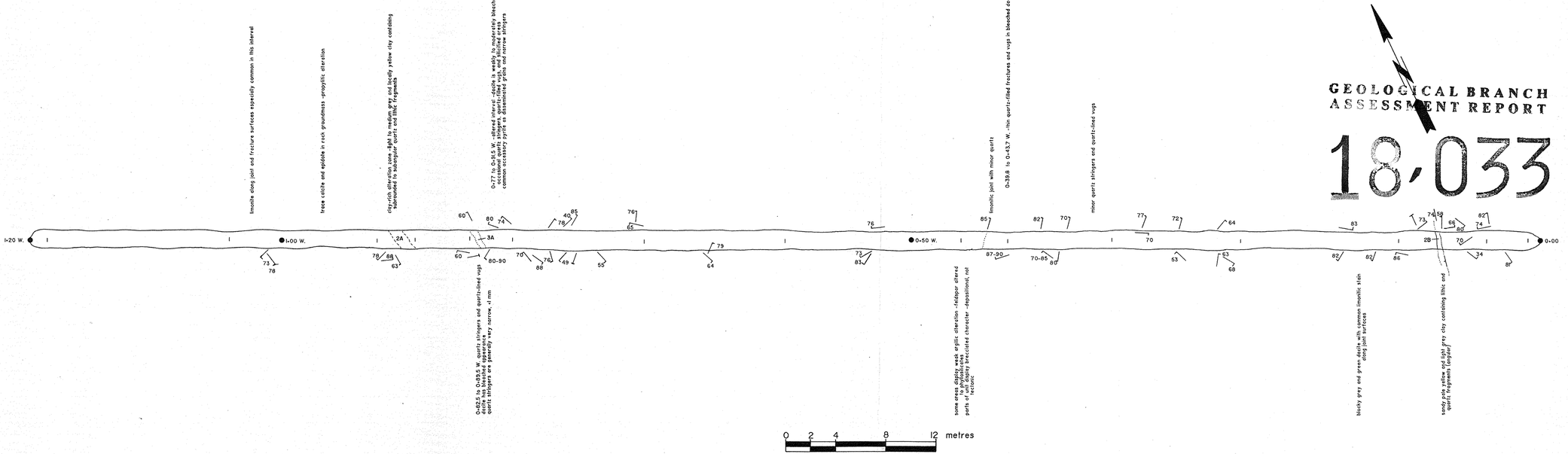


Figure 17A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-04
Geology
Plan View

Geology by K.D. Costello Drafting by T.H. Heine November 1988

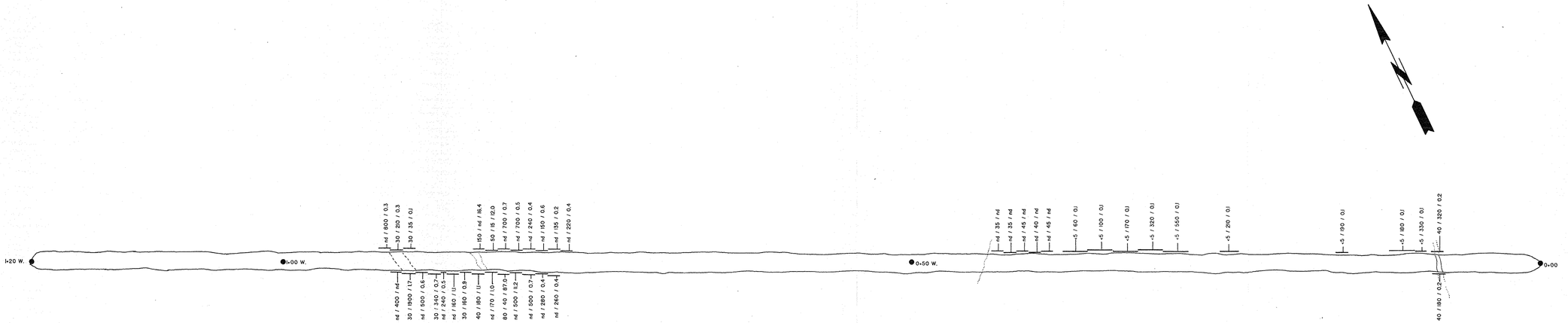


Figure 17B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-04
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine November 1988

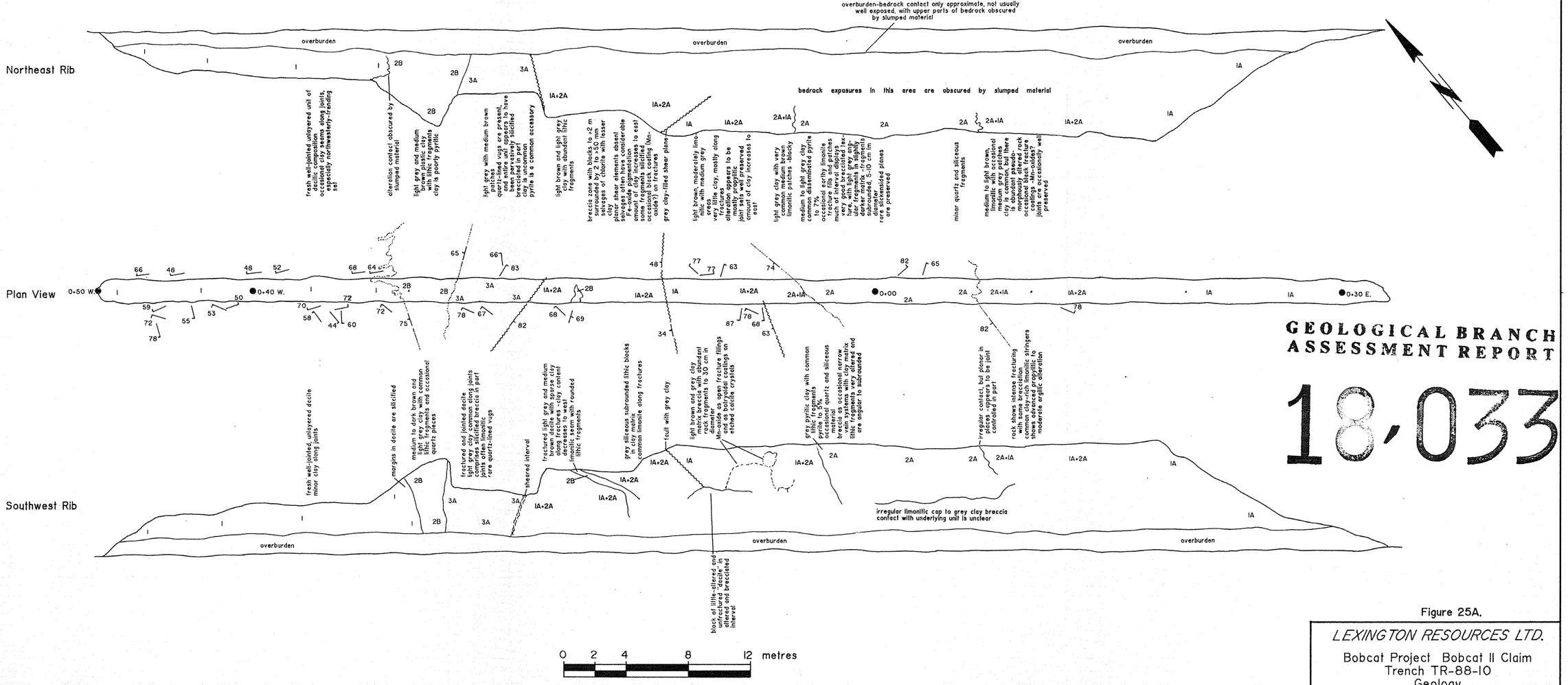


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Figure 25A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-10
Geology
Plan and Rib Views

Geology and drafting by T.H. Heine October 1988

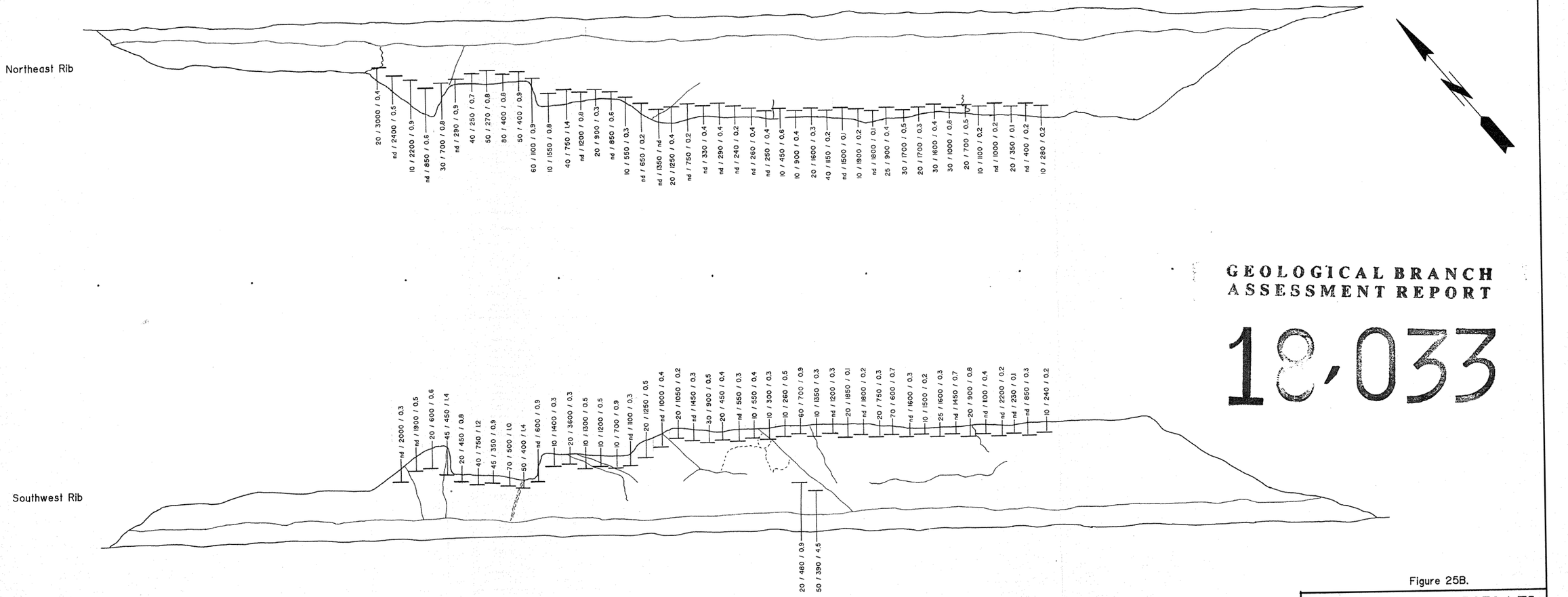

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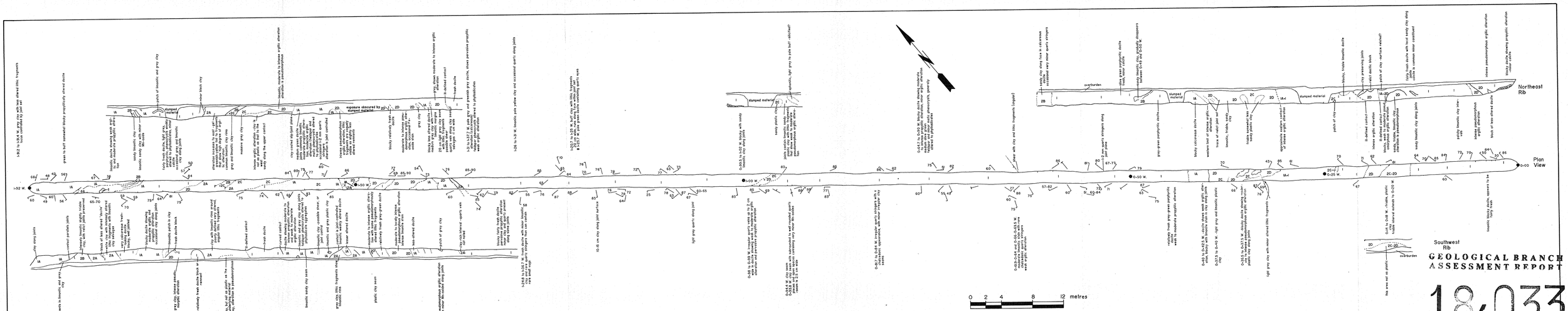
Figure 25B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-10
Geochemical Values from Rib Samples
Au (ppb)/Hg (ppb)/Ag (ppm)

Drafting by T.H. Heine October 1988



GEOLOGICAL BRANCH
ASSESSMENT REPORT

18,033

Figure 28A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-14
Geology
Plan and Rib Views

Geology by K.D. Costello Drafting by T.N. Heine November 1988

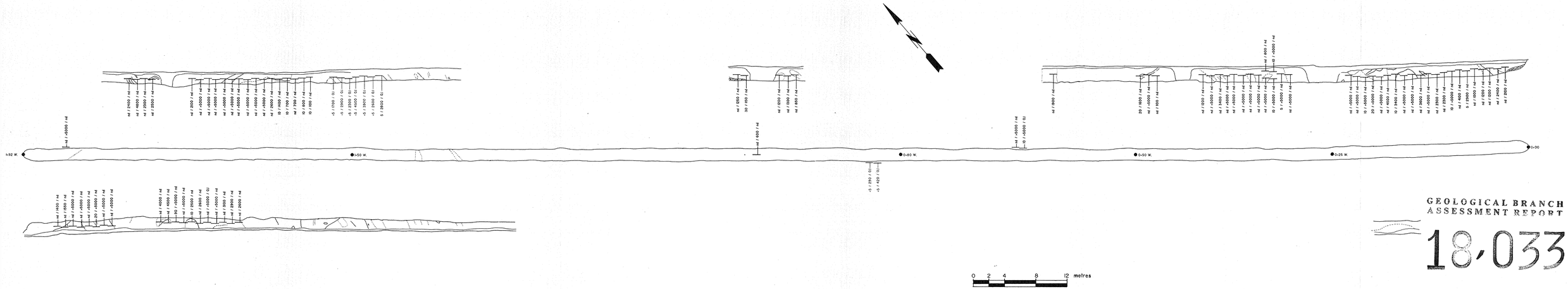


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Figure 288.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-14
Geochemical Values from Rib Samples
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine November 1988

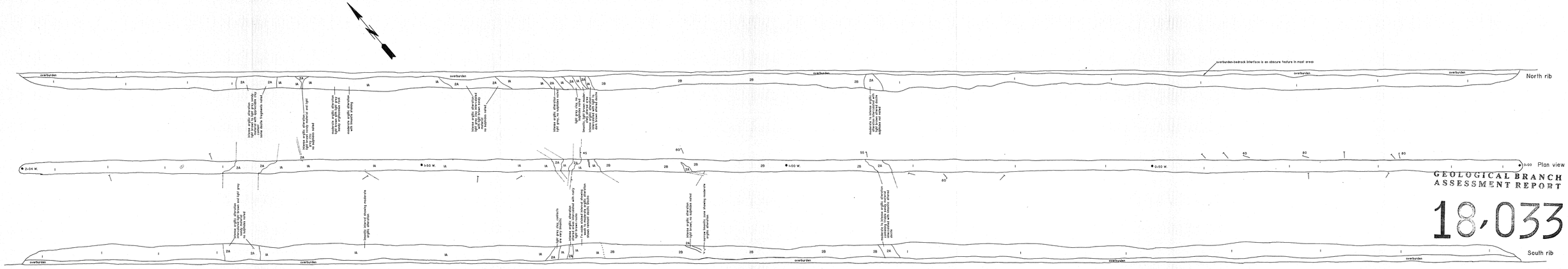

Figure 29A.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-15
Geology
Plan and Rib Views

Geology by F. Tecsult
Drafted by Tim Heine October 1988

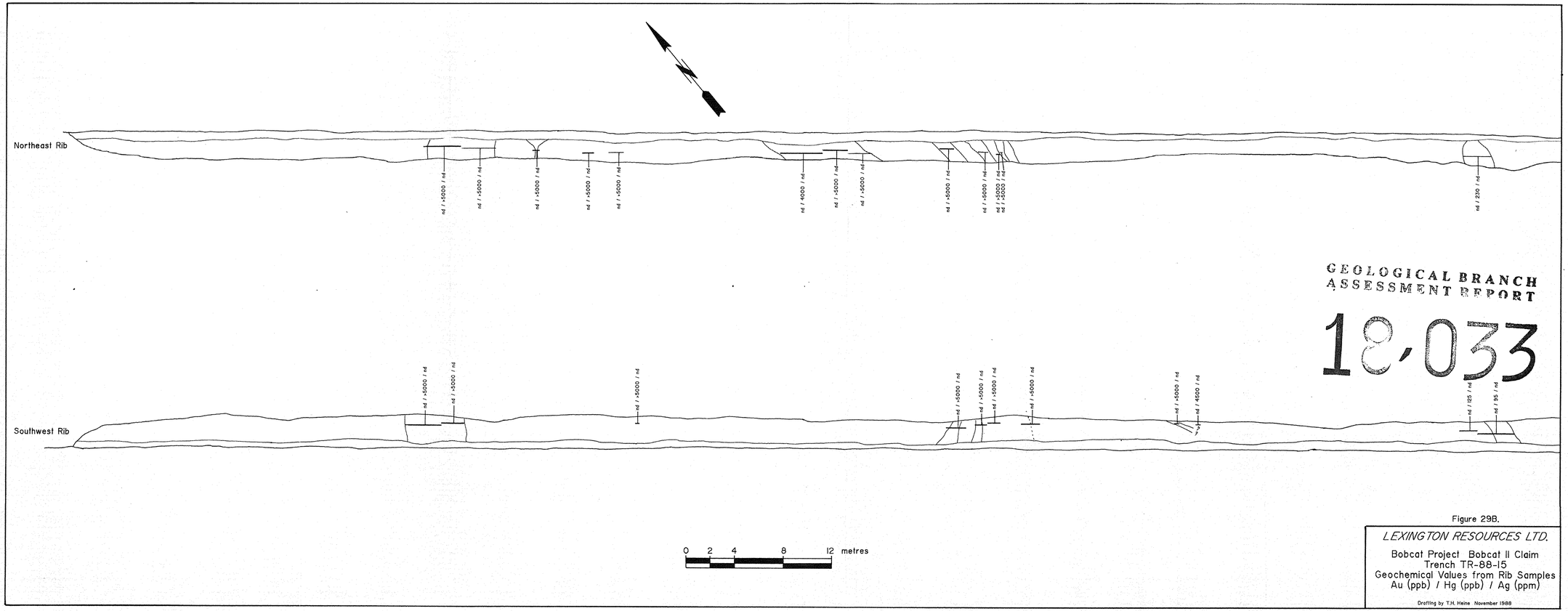

Figure 29B.

LEXINGTON RESOURCES LTD.

Bobcat Project Bobcat II Claim
Trench TR-88-15
Geochemical Values from Rib Samples
Au (ppb) / Hg (ppb) / Ag (ppm)

Drafting by T.H. Heine November 1988